

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

05/03/2025

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	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	42.11	35.25	31.22	30.56	30.58	31.48	34.16	41.88	39.84	39.49	38.65	39.88	39.03	39.66	41.85	46.97	50.78	55.51	60.75	60.07	57.50	51.57	46.25	41.57
24138	3.01	2.58	2.15	2.21	2.13	2.14	2.11	2.33	2.47	2.51	2.39	2.64	2.69	2.87	3.10	3.36	3.63	4.63	4.86	4.24	3.81	3.24	2.78	2.35
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	42.11	35.25	31.25	30.59	30.58	31.51	34.16	41.88	39.84	39.49	38.62	39.84	38.99	39.62	41.85	46.97	50.78	55.51	60.69	60.01	57.55	51.57	46.30	41.61
24260	3.01	2.58	2.18	2.24	2.13	2.17	2.11	2.33	2.47	2.51	2.36	2.61	2.65	2.83	3.10	3.36	3.63	4.63	4.81	4.19	3.87	3.24	2.83	2.39
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_2	42.11	35.25	31.25	30.59	30.58	31.51	34.16	41.88	39.84	39.49	38.62	39.84	38.99	39.62	41.85	46.97	50.78	55.51	60.69	60.01	57.55	51.57	46.30	41.61
24261	3.01	2.58	2.18	2.24	2.13	2.17	2.11	2.33	2.47	2.51	2.36	2.61	2.65	2.83	3.10	3.36	3.63	4.63	4.81	4.19	3.87	3.24	2.83	2.39
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	41.48	34.66	30.78	30.05	30.07	31.10	33.84	41.45	39.13	38.71	38.00	38.98	38.45	38.99	41.19	45.31	49.04	52.86	58.29	58.06	56.05	49.98	45.08	41.29
24011	2.38	1.99	1.71	1.70	1.62	1.76	1.79	1.90	1.76	1.74	1.74	1.75	2.11	2.21	2.44	1.70	1.89	1.98	2.40	2.23	2.36	1.64	1.61	2.08
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	41.64	34.79	30.90	30.14	30.19	31.22	33.97	41.60	39.32	38.86	38.18	39.17	38.67	39.18	41.38	46.75	50.73	54.18	59.91	59.85	57.45	51.23	46.12	41.45
23798	2.54	2.12	1.83	1.79	1.74	1.88	1.92	2.06	1.94	1.88	1.92	1.93	2.33	2.39	2.64	3.14	3.58	3.31	4.03	4.02	3.76	2.90	2.65	2.23
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS	41.48	34.66	30.78	30.05	30.07	31.10	33.84	41.45	39.13	38.71	38.00	38.98	38.45	38.99	41.19	45.31	49.04	52.86	58.29	58.06	56.05	49.98	45.08	41.29
24028	2.38	1.99	1.71	1.70	1.62	1.76	1.79	1.90	1.76	1.74	1.74	1.75	2.11	2.21	2.44	1.70	1.89	1.98	2.40	2.23	2.36	1.64	1.61	2.08
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	40.97	34.37	30.46	29.77	29.79	30.92	33.52	41.13	38.83	38.38	37.53	38.54	37.72	38.18	40.30	45.35	49.23	53.32	59.24	59.17	56.59	50.75	45.60	40.86
23527	1.88	1.70	1.40	1.42	1.34	1.58	1.47	1.58	1.46	1.40	1.27	1.30	1.38	1.40	1.55	1.75	2.07	2.44	3.35	3.35	2.90	2.42	2.13	1.65
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	39.76	33.36	29.62	28.95	28.99	29.96	32.49	39.82	37.67	37.31	36.51	37.57	36.70	37.26	39.17	44.04	47.67	51.64	56.84	56.55	54.44	48.82	43.95	39.45
24190	0.66	0.69	0.55	0.60	0.54	0.62	0.45	0.28	0.30	0.33	0.25	0.34	0.36	0.48	0.43	0.44	0.52	0.76	0.95	0.73	0.75	0.48	0.48	0.24
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	38.00	31.95	28.43	27.70	27.80	28.64	31.53	39.59	37.45	37.09	36.40	37.38	36.49	36.93	38.86	43.83	47.25	50.83	55.72	55.71	53.64	48.48	43.82	39.37
355683	-1.09	-0.72	-0.64	-0.65	-0.65	-0.70	-0.51	0.04	0.07	0.11	0.15	0.15	0.15	0.15	0.12	0.22	0.09	-0.05	-0.17	-0.11	-0.05	0.15	0.35	0.16
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	40.47	33.88	30.08	29.37	29.42	30.40	32.97	40.34	38.05	37.56	36.77	37.72	36.89	37.41	39.48	44.43	48.19	52.25	57.68	57.66	55.25	49.64	44.65	40.16
323833	1.37	1.21	1.02	1.02	0.97	1.05	0.93	0.79	0.67	0.59	0.51	0.48	0.55	0.62	0.73	0.83	1.04	1.37	1.79	1.84	1.56	1.31	1.17	0.94
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	40.43	33.84	30.08	29.37	29.42	30.40	32.97	40.34	38.01	37.53	36.73	37.72	36.89	37.41	39.48	44.43	48.19	52.25	57.68	57.61	55.25	49.59	44.65	40.16
323834	1.33	1.17	1.02	1.02	0.97	1.05	0.93	0.79	0.63	0.56	0.47	0.48	0.55	0.62	0.73	0.83	1.04	1.37	1.79	1.79	1.56	1.25	1.17	0.94
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	39.76	33.36	29.62	28.95	28.99	29.96	32.49	39.82	37.67	37.31	36.51	37.57	36.70	37.26	39.17	44.04	47.67	51.64	56.84	56.55	54.44	48.82	43.95	39.45
23571	0.66	0.69	0.55	0.60	0.54	0.62	0.45	0.28	0.30	0.33	0.25	0.34	0.36	0.48	0.43	0.44	0.52	0.76	0.95	0.73	0.75	0.48	0.48	0.24
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	39.76 0.66 0.00	33.36 0.69 0.00	29.62 0.55 0.00	28.95 0.60 0.00	28.99 0.54 0.00	29.96 0.62 0.00	32.49 0.45 0.00	39.82 0.28 0.00	37.67 0.30 0.00	37.31 0.33 0.00	36.51 0.25 0.00	37.57 0.34 0.00	36.70 0.36 0.00	37.26 0.48 0.00	39.17 0.43 0.00	44.04 0.44 0.00	47.67 0.52 0.00	51.64 0.76 0.00	56.84 0.95 0.00	56.55 0.73 0.00	54.44 0.75 0.00	48.82 0.48 0.00	43.95 0.48 0.00	39.45 0.24 0.00
ALBANY___3 23573	39.76 0.66 0.00	33.36 0.69 0.00	29.62 0.55 0.00	28.95 0.60 0.00	28.99 0.54 0.00	29.96 0.62 0.00	32.49 0.45 0.00	39.82 0.28 0.00	37.67 0.30 0.00	37.31 0.33 0.00	36.51 0.25 0.00	37.57 0.34 0.00	36.70 0.36 0.00	37.26 0.48 0.00	39.17 0.43 0.00	44.04 0.44 0.00	47.67 0.52 0.00	51.64 0.76 0.00	56.84 0.95 0.00	56.55 0.73 0.00	54.44 0.75 0.00	48.82 0.48 0.00	43.95 0.48 0.00	39.45 0.24 0.00
ALBANY___4 23574	39.76 0.66 0.00	33.36 0.69 0.00	29.62 0.55 0.00	28.95 0.60 0.00	28.99 0.54 0.00	29.96 0.62 0.00	32.49 0.45 0.00	39.82 0.28 0.00	37.67 0.30 0.00	37.31 0.33 0.00	36.51 0.25 0.00	37.57 0.34 0.00	36.70 0.36 0.00	37.26 0.48 0.00	39.17 0.43 0.00	44.04 0.44 0.00	47.67 0.52 0.00	51.64 0.76 0.00	56.84 0.95 0.00	56.55 0.73 0.00	54.44 0.75 0.00	48.82 0.48 0.00	43.95 0.48 0.00	39.45 0.24 0.00
ALBANY___LFGE 323615	40.15 1.06 0.00	33.65 0.98 0.00	29.88 0.81 0.00	29.18 0.82 0.00	29.22 0.77 0.00	30.19 0.85 0.00	32.78 0.74 0.00	40.22 0.67 0.00	38.05 0.67 0.00	37.64 0.67 0.00	36.91 0.65 0.00	37.94 0.71 0.00	37.11 0.76 0.00	37.59 0.81 0.00	39.56 0.82 0.00	44.57 0.96 0.00	48.24 1.09 0.00	52.10 1.22 0.00	57.56 1.68 0.00	57.44 1.62 0.00	54.98 1.29 0.00	49.30 0.97 0.00	44.34 0.87 0.00	39.84 0.63 0.00
ALCOA_PA_115KV_PL-6C 55860	38.00 -1.09 0.00	31.95 -0.72 0.00	28.43 -0.64 0.00	27.70 -0.65 0.00	27.80 -0.65 0.00	28.61 -0.73 0.00	31.50 -0.54 0.00	39.71 0.16 0.00	37.56 0.19 0.00	37.23 0.26 0.00	36.51 0.25 0.00	37.49 0.26 0.00	36.60 0.25 0.00	37.04 0.26 0.00	38.98 0.23 0.00	43.96 0.35 0.00	47.25 0.09 0.00	50.83 -0.05 0.00	55.72 -0.17 0.00	55.71 -0.11 0.00	53.64 -0.05 0.00	48.48 0.15 0.00	43.99 0.52 0.00	39.53 0.31 0.00
ALCOA_RYNLDS___DRP 24188	38.00 -1.09 0.00	31.95 -0.72 0.00	28.43 -0.64 0.00	27.70 -0.65 0.00	27.80 -0.65 0.00	28.61 -0.73 0.00	31.50 -0.54 0.00	39.71 0.16 0.00	37.56 0.19 0.00	37.23 0.26 0.00	36.51 0.25 0.00	37.49 0.26 0.00	36.60 0.25 0.00	37.04 0.26 0.00	38.98 0.23 0.00	43.96 0.35 0.00	47.25 0.09 0.00	50.83 -0.05 0.00	55.72 -0.17 0.00	55.71 -0.11 0.00	53.64 -0.05 0.00	48.48 0.15 0.00	43.99 0.52 0.00	39.53 0.31 0.00
ALCOA___DSASP 323711	38.00 -1.09 0.00	31.95 -0.72 0.00	28.43 -0.64 0.00	27.73 -0.62 0.00	27.80 -0.65 0.00	28.61 -0.73 0.00	31.50 -0.54 0.00	39.71 0.16 0.00	37.56 0.19 0.00	37.23 0.26 0.00	36.52 0.26 0.00	37.50 0.26 0.00	36.60 0.26 0.00	37.05 0.26 0.00	38.98 0.23 0.00	43.87 0.26 0.00	47.15 0.00 0.00	50.83 -0.05 0.00	55.44 -0.45 0.00	55.10 -0.73 0.00	53.64 -0.05 0.00	48.53 0.19 0.00	43.95 0.48 0.00	39.53 0.31 0.00
ALLEGHENY___COGEN 23514	41.21 2.11 0.00	33.26 0.59 0.00	29.94 0.87 0.00	28.98 0.62 0.00	29.22 0.77 0.00	29.96 0.62 0.00	32.46 0.42 0.00	39.94 0.40 0.00	37.37 0.00 0.00	36.75 -0.22 0.00	35.97 -0.29 0.00	36.75 -0.49 0.00	35.58 -0.76 0.00	35.79 -0.99 0.00	37.59 -1.16 0.00	42.43 -1.18 0.00	46.02 -1.13 0.00	49.20 -1.68 0.00	54.49 -1.40 0.00	55.49 -0.33 0.00	53.21 -0.48 0.00	48.33 0.00 0.00	43.47 0.00 0.00	39.96 0.74 0.00
ALTAMONT_115KV_TB 2 55880	40.19 1.09 0.00	33.65 0.98 0.00	29.88 0.81 0.00	29.20 0.85 0.00	29.25 0.80 0.00	30.19 0.85 0.00	32.81 0.77 0.00	40.26 0.71 0.00	38.05 0.67 0.00	37.64 0.67 0.00	36.88 0.62 0.00	37.90 0.67 0.00	37.03 0.69 0.00	37.56 0.77 0.00	39.60 0.85 0.00	44.52 0.92 0.00	48.19 1.04 0.00	52.15 1.27 0.00	57.40 1.51 0.00	57.16 1.34 0.00	55.03 1.34 0.00	49.35 1.02 0.00	44.43 0.96 0.00	39.96 0.75 0.00
ALTONA_WT_PWR 323606	37.96 -1.14 0.00	32.02 -0.65 0.00	28.54 -0.52 0.00	27.93 -0.42 0.00	28.05 -0.40 0.00	28.90 -0.44 0.00	31.89 -0.16 0.00	40.06 0.51 0.00	37.90 0.52 0.00	37.64 0.67 0.00	36.88 0.62 0.00	37.87 0.63 0.00	36.96 0.62 0.00	37.41 0.62 0.00	39.37 0.62 0.00	44.30 0.70 0.00	47.81 0.66 0.00	51.59 0.71 0.00	56.28 0.39 0.00	55.94 0.11 0.00	54.44 0.75 0.00	49.21 0.87 0.00	44.39 0.91 0.00	39.88 0.67 0.00
AMERICAN_REF_FUEL 24010	38.55 -0.55 0.00	31.10 -1.57 0.00	28.05 -1.02 0.00	27.16 -1.19 0.00	27.37 -1.08 0.00	28.02 -1.32 0.00	30.22 -1.83 0.00	37.33 -2.21 0.00	34.95 -2.43 0.00	34.35 -2.62 0.00	33.87 -2.39 0.00	34.70 -2.53 0.00	33.69 -2.65 0.00	33.81 -2.98 0.00	35.38 -3.37 0.00	39.86 -3.75 0.00	42.96 -4.20 0.00	45.44 -5.44 0.00	49.91 -5.98 0.00	50.80 -5.02 0.00	48.43 -5.26 0.00	43.79 -4.55 0.00	39.73 -3.74 0.00	37.14 -2.08 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	40.70 1.60 0.00	32.61 -0.07 0.00	29.42 0.35 0.00	28.47 0.11 0.00	28.71 0.26 0.00	29.37 0.03 0.00	31.72 -0.32 0.00	39.27 -0.27 0.00	36.81 -0.56 0.00	36.13 -0.85 0.00	35.68 -0.58 0.00	36.52 -0.71 0.00	35.43 -0.91 0.00	35.50 -1.29 0.00	37.20 -1.55 0.00	42.00 -1.61 0.00	45.17 -1.98 0.00	48.03 -2.85 0.00	52.81 -3.07 0.00	53.76 -2.06 0.00	51.11 -2.58 0.00	46.06 -2.27 0.00	41.56 -1.91 0.00	38.59 -0.63 0.00
ARTHUR KILL_GT_1 23520	42.27 3.17 -0.01	35.42 2.74 -0.01	31.43 2.35 -0.01	30.80 2.44 -0.01	30.79 2.33 -0.01	31.70 2.35 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.80 2.43 0.00	39.50 2.51 -0.01	38.62 2.36 -0.01	39.82 2.57 -0.02	38.80 2.43 -0.02	41.14 2.61 -1.74	44.71 2.87 -3.09	46.84 3.23 -0.01	50.54 3.40 0.01	57.66 4.53 -2.25	60.52 4.64 0.01	59.78 3.96 0.01	57.28 3.60 0.01	51.33 3.00 0.00	46.31 2.83 -0.01	41.73 2.51 -0.01
ARTHUR_KILL_2 23512	42.16 3.05 -0.01	35.32 2.65 -0.01	31.34 2.27 -0.01	30.71 2.35 -0.01	30.70 2.25 -0.01	31.61 2.26 -0.01	34.13 2.08 0.00	41.92 2.37 0.00	39.84 2.47 0.00	39.46 2.48 -0.01	38.62 2.36 -0.01	39.75 2.49 -0.02	38.84 2.47 -0.02	41.03 2.50 -1.74	44.59 2.75 -3.09	46.76 3.14 -0.01	50.44 3.30 0.01	57.35 4.22 -2.25	60.58 4.70 0.01	60.12 4.30 0.01	57.07 3.38 0.01	51.09 2.75 0.00	46.18 2.70 -0.01	41.66 2.43 -0.01
ARTHUR_KILL_3 23513	41.76 2.66 0.00	34.99 2.32 0.00	30.98 1.92 0.00	30.34 1.98 0.00	30.33 1.88 0.00	31.25 1.91 0.00	33.90 1.86 0.00	41.64 2.09 0.00	39.65 2.28 0.00	39.27 2.29 0.00	38.44 2.18 0.00	39.59 2.35 -0.01	38.86 2.51 -0.01	41.10 2.57 -1.74	44.62 2.79 -3.08	46.62 3.01 0.00	50.36 3.21 0.00	55.98 4.02 -1.08	60.41 4.52 0.00	60.07 4.24 0.00	57.02 3.33 0.00	51.14 2.80 0.00	45.90 2.43 0.00	41.29 2.08 0.00



ARTHUR_KILL_COGEN 323718	42.27 3.17 -0.01	35.42 2.74 -0.01	31.43 2.35 -0.01	30.77 2.41 -0.01	30.79 2.33 -0.01	31.70 2.35 -0.01	34.23 2.18 0.00	42.04 2.49 0.00	39.95 2.58 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.86 2.61 -0.02	38.94 2.58 -0.02	41.14 2.61 -1.74	44.71 2.87 -3.09	46.89 3.27 -0.01	50.59 3.44 0.01	57.51 4.38 -2.25	60.80 4.92 0.01	60.28 4.47 0.01	57.28 3.60 0.01	51.28 2.95 0.00	46.30 2.82 -0.01	41.77 2.55 -0.01
ASHOKAN____ 23654	41.40 2.31 0.00	34.70 2.03 0.00	30.69 1.63 0.00	30.00 1.64 0.00	30.04 1.59 0.00	30.92 1.58 0.00	33.55 1.51 0.00	41.01 1.46 0.00	38.91 1.53 0.00	38.34 1.37 0.00	37.27 1.01 0.00	38.16 0.93 0.00	37.40 1.05 0.00	37.89 1.10 0.00	40.14 1.39 0.00	44.57 0.96 0.00	48.33 1.18 0.00	52.71 1.83 0.00	58.13 2.24 0.00	58.67 2.85 0.00	55.94 2.25 0.00	50.41 2.08 0.00	45.30 1.83 0.00	40.74 1.53 0.00
ASTORIA_EAST_ENERGY_CC1 323581	41.96 2.85 -0.01	35.13 2.45 -0.01	31.08 2.00 -0.01	30.46 2.10 -0.01	30.45 1.99 -0.01	31.22 1.88 0.00	33.73 1.70 0.01	41.52 1.98 0.01	39.57 2.20 0.01	39.18 2.22 0.01	38.35 2.10 0.01	39.53 2.31 0.01	38.77 2.44 0.01	39.28 2.50 0.01	41.45 2.71 0.01	46.61 3.01 0.01	50.35 3.21 0.01	54.89 4.02 0.01	60.40 4.52 0.01	60.01 4.19 0.01	56.90 3.22 0.01	50.93 2.61 0.01	45.82 2.35 0.00	41.45 2.23 0.00
ASTORIA_EAST_ENERGY_CC2 323582	41.96 2.85 -0.01	35.13 2.45 -0.01	31.11 2.03 -0.01	30.46 2.10 -0.01	30.45 1.99 -0.01	31.22 1.88 0.00	33.73 1.70 0.01	41.52 1.98 0.01	39.57 2.20 0.01	39.18 2.22 0.01	38.35 2.10 0.01	39.53 2.31 0.01	38.77 2.44 0.01	39.28 2.50 0.01	41.45 2.71 0.01	46.61 3.01 0.01	50.35 3.21 0.01	54.89 4.02 0.01	60.40 4.52 0.01	60.01 4.19 0.01	56.90 3.22 0.01	50.93 2.61 0.01	45.82 2.35 0.00	41.45 2.23 0.00
ASTORIA_GT2_1 24094	42.04 2.93 -0.01	35.16 2.48 -0.01	31.11 2.03 -0.01	30.46 2.10 -0.01	30.45 1.99 -0.01	31.22 1.88 0.00	33.78 1.73 0.00	41.45 1.90 0.00	39.47 2.09 0.00	39.16 2.18 0.00	38.29 2.03 0.00	39.50 2.27 0.00	38.70 2.36 0.00	39.29 2.50 0.00	41.46 2.71 0.00	46.57 2.97 0.00	50.36 3.21 0.00	55.05 4.17 0.00	60.19 4.30 0.00	59.45 3.63 0.00	56.96 3.28 0.00	50.99 2.66 0.00	45.86 2.39 0.00	41.45 2.24 0.00
ASTORIA_GT2_2 24095	42.04 2.93 -0.01	35.16 2.48 -0.01	31.11 2.03 -0.01	30.46 2.10 -0.01	30.45 1.99 -0.01	31.22 1.88 0.00	33.78 1.73 0.00	41.45 1.90 0.00	39.47 2.09 0.00	39.16 2.18 0.00	38.29 2.03 0.00	39.50 2.27 0.00	38.70 2.36 0.00	39.29 2.50 0.00	41.46 2.71 0.00	46.57 2.97 0.00	50.36 3.21 0.00	55.05 4.17 0.00	60.19 4.30 0.00	59.45 3.63 0.00	56.96 3.28 0.00	50.99 2.66 0.00	45.86 2.39 0.00	41.45 2.24 0.00
ASTORIA_GT2_3 24096	42.04 2.93 -0.01	35.16 2.48 -0.01	31.11 2.03 -0.01	30.46 2.10 -0.01	30.45 1.99 -0.01	31.22 1.88 0.00	33.78 1.73 0.00	41.45 1.90 0.00	39.47 2.09 0.00	39.16 2.18 0.00	38.29 2.03 0.00	39.50 2.27 0.00	38.70 2.36 0.00	39.29 2.50 0.00	41.46 2.71 0.00	46.57 2.97 0.00	50.36 3.21 0.00	55.05 4.17 0.00	60.19 4.30 0.00	59.45 3.63 0.00	56.96 3.28 0.00	50.99 2.66 0.00	45.86 2.39 0.00	41.45 2.24 0.00
ASTORIA_GT2_4 24097	42.04 2.93 -0.01	35.16 2.48 -0.01	31.11 2.03 -0.01	30.46 2.10 -0.01	30.45 1.99 -0.01	31.22 1.88 0.00	33.78 1.73 0.00	41.45 1.90 0.00	39.47 2.09 0.00	39.16 2.18 0.00	38.29 2.03 0.00	39.50 2.27 0.00	38.70 2.36 0.00	39.29 2.50 0.00	41.46 2.71 0.00	46.57 2.97 0.00	50.36 3.21 0.00	55.05 4.17 0.00	60.19 4.30 0.00	59.45 3.63 0.00	56.96 3.28 0.00	50.99 2.66 0.00	45.86 2.39 0.00	41.45 2.24 0.00
ASTORIA_GT3_1 24098	42.04 2.93 -0.01	35.16 2.48 -0.01	31.11 2.03 -0.01	30.46 2.10 -0.01	30.45 1.99 -0.01	31.22 1.88 0.00	33.78 1.73 0.00	41.45 1.90 0.00	39.47 2.09 0.00	39.16 2.18 0.00	38.29 2.03 0.00	39.50 2.27 0.00	38.70 2.36 0.00	39.29 2.50 0.00	41.46 2.71 0.00	46.57 2.97 0.00	50.36 3.21 0.00	55.05 4.17 0.00	60.19 4.30 0.00	59.45 3.63 0.00	56.96 3.28 0.00	50.99 2.66 0.00	45.86 2.39 0.00	41.45 2.24 0.00
ASTORIA_GT3_2 24099	42.04 2.93 -0.01	35.16 2.48 -0.01	31.11 2.03 -0.01	30.46 2.10 -0.01	30.45 1.99 -0.01	31.22 1.88 0.00	33.78 1.73 0.00	41.45 1.90 0.00	39.47 2.09 0.00	39.16 2.18 0.00	38.29 2.03 0.00	39.50 2.27 0.00	38.70 2.36 0.00	39.29 2.50 0.00	41.46 2.71 0.00	46.57 2.97 0.00	50.36 3.21 0.00	55.05 4.17 0.00	60.19 4.30 0.00	59.45 3.63 0.00	56.96 3.28 0.00	50.99 2.66 0.00	45.86 2.39 0.00	41.45 2.24 0.00
ASTORIA_GT3_3 24100	42.04 2.93 -0.01	35.16 2.48 -0.01	31.11 2.03 -0.01	30.46 2.10 -0.01	30.45 1.99 -0.01	31.22 1.88 0.00	33.78 1.73 0.00	41.45 1.90 0.00	39.47 2.09 0.00	39.16 2.18 0.00	38.29 2.03 0.00	39.50 2.27 0.00	38.70 2.36 0.00	39.29 2.50 0.00	41.46 2.71 0.00	46.57 2.97 0.00	50.36 3.21 0.00	55.05 4.17 0.00	60.19 4.30 0.00	59.45 3.63 0.00	56.96 3.28 0.00	50.99 2.66 0.00	45.86 2.39 0.00	41.45 2.24 0.00
ASTORIA_GT3_4 24101	42.04 2.93 -0.01	35.16 2.48 -0.01	31.11 2.03 -0.01	30.46 2.10 -0.01	30.45 1.99 -0.01	31.22 1.88 0.00	33.78 1.73 0.00	41.45 1.90 0.00	39.47 2.09 0.00	39.16 2.18 0.00	38.29 2.03 0.00	39.50 2.27 0.00	38.70 2.36 0.00	39.29 2.50 0.00	41.46 2.71 0.00	46.57 2.97 0.00	50.36 3.21 0.00	55.05 4.17 0.00	60.19 4.30 0.00	59.45 3.63 0.00	56.96 3.28 0.00	50.99 2.66 0.00	45.86 2.39 0.00	41.45 2.24 0.00
ASTORIA_GT4_1 24102	42.04 2.93 -0.01	35.16 2.48 -0.01	31.11 2.03 -0.01	30.46 2.10 -0.01	30.45 1.99 -0.01	31.22 1.88 0.00	33.78 1.73 0.00	41.45 1.90 0.00	39.47 2.09 0.00	39.16 2.18 0.00	38.29 2.03 0.00	39.50 2.27 0.00	38.70 2.36 0.00	39.29 2.50 0.00	41.46 2.71 0.00	46.57 2.97 0.00	50.36 3.21 0.00	55.05 4.17 0.00	60.19 4.30 0.00	59.45 3.63 0.00	56.96 3.28 0.00	50.99 2.66 0.00	45.86 2.39 0.00	41.45 2.24 0.00
ASTORIA_GT4_2 24103	42.04 2.93 -0.01	35.16 2.48 -0.01	31.11 2.03 -0.01	30.46 2.10 -0.01	30.45 1.99 -0.01	31.22 1.88 0.00	33.78 1.73 0.00	41.45 1.90 0.00	39.47 2.09 0.00	39.16 2.18 0.00	38.29 2.03 0.00	39.50 2.27 0.00	38.70 2.36 0.00	39.29 2.50 0.00	41.46 2.71 0.00	46.57 2.97 0.00	50.36 3.21 0.00	55.05 4.17 0.00	60.19 4.30 0.00	59.45 3.63 0.00	56.96 3.28 0.00	50.99 2.66 0.00	45.86 2.39 0.00	41.45 2.24 0.00
ASTORIA_GT4_3 24104	42.04 2.93 -0.01	35.16 2.48 -0.01	31.11 2.03 -0.01	30.46 2.10 -0.01	30.45 1.99 -0.01	31.22 1.88 0.00	33.78 1.73 0.00	41.45 1.90 0.00	39.47 2.09 0.00	39.16 2.18 0.00	38.29 2.03 0.00	39.50 2.27 0.00	38.70 2.36 0.00	39.29 2.50 0.00	41.46 2.71 0.00	46.57 2.97 0.00	50.36 3.21 0.00	55.05 4.17 0.00	60.19 4.30 0.00	59.45 3.63 0.00	56.96 3.28 0.00	50.99 2.66 0.00	45.86 2.39 0.00	41.45 2.24 0.00



ASTORIA_GT4_4 24105	42.04 2.93 -0.01	35.16 2.48 -0.01	31.11 2.03 -0.01	30.46 2.10 -0.01	30.45 1.99 -0.01	31.22 1.88 0.00	33.78 1.73 0.00	41.45 1.90 0.00	39.47 2.09 0.00	39.16 2.18 0.00	38.29 2.03 0.00	39.50 2.27 0.00	38.70 2.36 0.00	39.29 2.50 0.00	41.46 2.71 0.00	46.57 2.97 0.00	50.36 3.21 0.00	55.05 4.17 0.00	60.19 4.30 0.00	59.45 3.63 0.00	56.96 3.28 0.00	50.99 2.66 0.00	45.86 2.39 0.00	41.45 2.24 0.00
ASTORIA_GT_1 23523	42.12 3.01 -0.01	35.19 2.52 -0.01	31.14 2.06 -0.01	30.52 2.15 -0.01	30.51 2.05 -0.01	31.28 1.94 0.00	33.81 1.76 0.00	41.48 1.94 0.00	39.54 2.17 0.00	39.19 2.22 0.00	38.36 2.10 0.00	39.58 2.35 0.00	38.74 2.40 0.00	39.36 2.58 0.00	41.54 2.79 0.00	46.66 3.05 0.00	50.45 3.30 0.00	55.15 4.27 0.00	60.30 4.42 0.00	59.57 3.74 0.00	57.07 3.38 0.00	51.09 2.76 0.00	45.91 2.43 0.00	41.53 2.31 0.00
ASTORIA_GT_10 24110	42.08 2.97 -0.01	35.23 2.55 -0.01	31.23 2.15 -0.01	30.57 2.21 -0.01	30.56 2.11 -0.01	31.42 2.08 0.00	34.00 1.95 0.00	41.68 2.14 0.00	39.65 2.28 0.00	39.30 2.33 0.00	38.47 2.21 0.00	39.69 2.46 0.00	38.85 2.51 0.00	39.43 2.65 0.00	41.65 2.91 0.00	46.75 3.14 0.00	50.55 3.40 0.00	53.78 4.38 1.48	60.47 4.58 0.00	59.73 3.91 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.08 2.61 0.00	41.53 2.31 0.00
ASTORIA_GT_11 24225	42.08 2.97 -0.01	35.23 2.55 -0.01	31.23 2.15 -0.01	30.57 2.21 -0.01	30.56 2.11 -0.01	31.42 2.08 0.00	34.00 1.95 0.00	41.68 2.14 0.00	39.65 2.28 0.00	39.30 2.33 0.00	38.47 2.21 0.00	39.69 2.46 0.00	38.85 2.51 0.00	39.43 2.65 0.00	41.65 2.91 0.00	46.75 3.14 0.00	50.55 3.40 0.00	53.78 4.38 1.48	60.47 4.58 0.00	59.73 3.91 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.08 2.61 0.00	41.53 2.31 0.00
ASTORIA_GT_12 24226	42.08 2.97 -0.01	35.23 2.55 -0.01	31.23 2.15 -0.01	30.57 2.21 -0.01	30.56 2.11 -0.01	31.42 2.08 0.00	34.00 1.95 0.00	41.68 2.14 0.00	39.65 2.28 0.00	39.30 2.33 0.00	38.47 2.21 0.00	39.69 2.46 0.00	38.85 2.51 0.00	39.43 2.65 0.00	41.65 2.91 0.00	46.75 3.14 0.00	50.55 3.40 0.00	53.78 4.38 1.48	60.47 4.58 0.00	59.73 3.91 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.08 2.61 0.00	41.53 2.31 0.00
ASTORIA_GT_13 24227	42.08 2.97 -0.01	35.23 2.55 -0.01	31.23 2.15 -0.01	30.57 2.21 -0.01	30.56 2.11 -0.01	31.42 2.08 0.00	34.00 1.95 0.00	41.68 2.14 0.00	39.65 2.28 0.00	39.30 2.33 0.00	38.47 2.21 0.00	39.69 2.46 0.00	38.85 2.51 0.00	39.43 2.65 0.00	41.65 2.91 0.00	46.75 3.14 0.00	50.55 3.40 0.00	53.78 4.38 1.48	60.47 4.58 0.00	59.73 3.91 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.08 2.61 0.00	41.53 2.31 0.00
ASTORIA_GT_5 24106	42.12 3.01 -0.01	35.19 2.52 -0.01	31.14 2.06 -0.01	30.52 2.15 -0.01	30.51 2.05 -0.01	31.28 1.94 0.00	33.81 1.76 0.00	41.48 1.94 0.00	39.54 2.17 0.00	39.19 2.22 0.00	38.36 2.10 0.00	39.58 2.35 0.00	38.74 2.40 0.00	39.36 2.58 0.00	41.54 2.79 0.00	46.66 3.05 0.00	50.45 3.30 0.00	55.15 4.27 0.00	60.30 4.42 0.00	59.57 3.74 0.00	57.07 3.38 0.00	51.09 2.76 0.00	45.91 2.43 0.00	41.53 2.31 0.00
ASTORIA_GT_7 24107	42.12 3.01 -0.01	35.19 2.52 -0.01	31.14 2.06 -0.01	30.52 2.15 -0.01	30.51 2.05 -0.01	31.28 1.94 0.00	33.81 1.76 0.00	41.48 1.94 0.00	39.54 2.17 0.00	39.19 2.22 0.00	38.36 2.10 0.00	39.58 2.35 0.00	38.74 2.40 0.00	39.36 2.58 0.00	41.54 2.79 0.00	46.66 3.05 0.00	50.45 3.30 0.00	55.15 4.27 0.00	60.30 4.42 0.00	59.57 3.74 0.00	57.07 3.38 0.00	51.09 2.76 0.00	45.91 2.43 0.00	41.53 2.31 0.00
ASTORIA_GT_8 24108	42.12 3.01 -0.01	35.19 2.52 -0.01	31.14 2.06 -0.01	30.52 2.15 -0.01	30.51 2.05 -0.01	31.28 1.94 0.00	33.81 1.76 0.00	41.48 1.94 0.00	39.54 2.17 0.00	39.19 2.22 0.00	38.36 2.10 0.00	39.58 2.35 0.00	38.74 2.40 0.00	39.36 2.58 0.00	41.54 2.79 0.00	46.66 3.05 0.00	50.45 3.30 0.00	55.15 4.27 0.00	60.30 4.42 0.00	59.57 3.74 0.00	57.07 3.38 0.00	51.09 2.76 0.00	45.91 2.43 0.00	41.53 2.31 0.00
ASTORIA___2 24149	42.00 2.89 -0.01	35.13 2.45 -0.01	31.11 2.03 -0.01	30.46 2.10 -0.01	30.45 1.99 -0.01	31.22 1.88 0.00	33.73 1.70 0.01	41.55 2.02 0.01	39.61 2.24 0.01	39.22 2.26 0.01	38.39 2.14 0.01	39.53 2.31 0.01	38.81 2.47 0.01	39.28 2.50 0.01	41.45 2.71 0.01	46.65 3.05 0.01	50.40 3.25 0.01	54.94 4.07 0.01	60.40 4.52 0.01	60.01 4.19 0.01	56.96 3.28 0.01	50.98 2.66 0.01	45.86 2.39 0.00	41.45 2.23 0.00
ASTORIA___3 23516	42.04 2.93 -0.01	35.23 2.55 -0.01	31.23 2.15 -0.01	30.57 2.21 -0.01	30.56 2.11 -0.01	31.42 2.08 0.00	34.00 1.96 0.00	41.80 2.25 0.00	39.77 2.39 0.00	39.41 2.44 0.00	38.55 2.29 0.00	39.69 2.46 0.00	38.96 2.62 0.00	39.44 2.65 0.00	41.62 2.87 0.00	46.84 3.23 0.00	50.59 3.44 0.00	53.67 4.27 1.48	60.70 4.81 0.00	60.29 4.47 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.08 2.61 0.00	41.53 2.31 0.00
ASTORIA___4 23517	42.08 2.97 -0.01	35.23 2.55 -0.01	31.23 2.15 -0.01	30.57 2.21 -0.01	30.56 2.11 -0.01	31.42 2.08 0.00	34.00 1.95 0.00	41.68 2.14 0.00	39.65 2.28 0.00	39.30 2.33 0.00	38.47 2.21 0.00	39.69 2.46 0.00	38.85 2.51 0.00	39.43 2.65 0.00	41.65 2.91 0.00	46.75 3.14 0.00	50.55 3.40 0.00	53.78 4.38 1.48	60.47 4.58 0.00	59.73 3.91 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.08 2.61 0.00	41.53 2.31 0.00
ASTORIA___5 23518	42.04 2.93 -0.01	35.23 2.55 -0.01	31.23 2.15 -0.01	30.57 2.21 -0.01	30.56 2.11 -0.01	31.42 2.08 0.00	34.00 1.96 0.00	41.80 2.25 0.00	39.77 2.39 0.00	39.41 2.44 0.00	38.55 2.29 0.00	39.69 2.46 0.00	38.96 2.62 0.00	39.44 2.65 0.00	41.62 2.87 0.00	46.84 3.23 0.00	50.59 3.44 0.00	53.67 4.27 1.48	60.70 4.81 0.00	60.29 4.47 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.08 2.61 0.00	41.53 2.31 0.00
AST_ENERGY_2_CC3 323677	38.54 2.74 3.29	35.00 2.38 0.05	31.07 2.00 0.00	30.42 2.07 0.00	30.41 1.96 0.00	31.31 1.97 0.00	33.94 1.89 0.00	38.94 2.13 2.74	36.04 2.32 3.65	35.91 2.29 3.35	34.69 2.18 3.74	34.69 2.35 4.89	34.69 2.51 4.16	34.69 2.57 4.67	34.69 2.79 6.85	40.03 3.05 6.63	36.27 3.30 14.18	41.03 4.07 13.92	45.62 4.58 14.85	45.24 4.30 14.88	42.22 3.44 14.91	39.73 2.90 11.50	38.51 2.52 7.48	37.59 2.16 3.78
AST_ENERGY_2_CC4 323678	38.54 2.74 3.29	35.00 2.38 0.05	31.07 2.00 0.00	30.42 2.07 0.00	30.41 1.96 0.00	31.31 1.97 0.00	33.94 1.89 0.00	38.94 2.13 2.74	36.04 2.32 3.65	35.91 2.29 3.35	34.69 2.18 3.74	34.69 2.35 4.89	34.69 2.51 4.16	34.69 2.57 4.67	34.69 2.79 6.85	40.03 3.05 6.63	36.27 3.30 14.18	41.03 4.07 13.92	45.62 4.58 14.85	45.24 4.30 14.88	42.22 3.44 14.91	39.73 2.90 11.50	38.51 2.52 7.48	37.59 2.16 3.78



ATHENS_STG_1 23668	40.43 1.33 0.00	33.88 1.21 0.00	30.08 1.02 0.00	29.40 1.05 0.00	29.44 1.00 0.00	30.37 1.03 0.00	32.94 0.90 0.00	40.49 0.95 0.00	38.34 0.97 0.00	37.93 0.96 0.00	37.17 0.91 0.00	38.20 0.97 0.00	37.36 1.02 0.00	37.85 1.07 0.00	39.91 1.16 0.00	44.87 1.27 0.00	48.57 1.41 0.00	52.61 1.73 0.00	58.07 2.18 0.00	57.95 2.12 0.00	55.30 1.61 0.00	49.69 1.35 0.00	44.65 1.17 0.00	40.16 0.94 0.00
ATHENS_STG_2 23670	40.43 1.33 0.00	33.88 1.21 0.00	30.08 1.02 0.00	29.40 1.05 0.00	29.44 1.00 0.00	30.37 1.03 0.00	32.94 0.90 0.00	40.49 0.95 0.00	38.34 0.97 0.00	37.93 0.96 0.00	37.17 0.91 0.00	38.20 0.97 0.00	37.36 1.02 0.00	37.85 1.07 0.00	39.91 1.16 0.00	44.87 1.27 0.00	48.57 1.41 0.00	52.61 1.73 0.00	58.07 2.18 0.00	57.95 2.12 0.00	55.30 1.61 0.00	49.69 1.35 0.00	44.65 1.17 0.00	40.16 0.94 0.00
ATHENS_STG_3 23677	40.43 1.33 0.00	33.88 1.21 0.00	30.08 1.02 0.00	29.40 1.05 0.00	29.44 1.00 0.00	30.37 1.03 0.00	32.94 0.90 0.00	40.49 0.95 0.00	38.34 0.97 0.00	37.93 0.96 0.00	37.17 0.91 0.00	38.20 0.97 0.00	37.36 1.02 0.00	37.85 1.07 0.00	39.91 1.16 0.00	44.87 1.27 0.00	48.57 1.41 0.00	52.61 1.73 0.00	58.07 2.18 0.00	57.95 2.12 0.00	55.30 1.61 0.00	49.69 1.35 0.00	44.65 1.17 0.00	40.16 0.94 0.00
AUBURN___LFGE 323710	39.41 0.31 0.00	32.64 -0.03 0.00	29.10 0.03 0.00	28.35 0.00 0.00	28.51 0.06 0.00	29.34 0.00 0.00	32.01 -0.03 0.00	39.35 -0.20 0.00	37.08 -0.30 0.00	36.68 -0.30 0.00	36.01 -0.25 0.00	36.86 -0.37 0.00	35.94 -0.40 0.00	36.31 -0.48 0.00	38.24 -0.50 0.00	43.17 -0.44 0.00	46.68 -0.47 0.00	50.12 -0.76 0.00	55.11 -0.78 0.00	55.15 -0.67 0.00	53.04 -0.64 0.00	47.90 -0.44 0.00	42.95 -0.52 0.00	38.90 -0.31 0.00
BABYLON_RES_REC 323704	42.03 2.93 0.00	35.51 2.84 0.00	31.39 2.33 0.00	30.88 2.52 0.00	30.70 2.25 0.00	31.66 2.32 0.00	34.25 2.21 0.00	42.00 2.45 0.00	40.03 2.65 0.00	39.60 2.63 0.00	38.91 2.61 -0.04	39.58 2.35 0.00	39.07 2.73 0.00	39.11 2.32 0.00	41.15 2.40 0.00	45.96 2.35 0.00	49.84 2.69 0.00	54.39 3.51 0.00	59.74 3.85 0.00	59.62 3.80 0.00	56.59 2.90 0.00	51.19 2.85 0.00	45.64 2.17 0.00	41.45 2.23 0.00
BALL_HILL_WT_PWR 323825	39.92 0.82 0.00	32.11 -0.56 0.00	28.98 -0.09 0.00	28.04 -0.31 0.00	28.28 -0.17 0.00	28.96 -0.38 0.00	31.28 -0.77 0.00	38.71 -0.83 0.00	36.25 -1.12 0.00	35.61 -1.37 0.00	35.14 -1.12 0.00	35.97 -1.27 0.00	34.92 -1.42 0.00	35.02 -1.77 0.00	36.69 -2.05 0.00	41.39 -2.22 0.00	44.56 -2.59 0.00	47.37 -3.51 0.00	52.03 -3.86 0.00	53.04 -2.79 0.00	50.47 -3.22 0.00	45.48 -2.85 0.00	41.17 -2.31 0.00	38.24 -0.98 0.00
BARON_WINDS___WT_PWR 323822	39.76 0.66 0.00	32.48 -0.19 0.00	29.15 0.09 0.00	28.30 -0.06 0.00	28.54 0.09 0.00	29.25 -0.09 0.00	31.76 -0.29 0.00	39.23 -0.32 0.00	36.77 -0.60 0.00	36.24 -0.74 0.00	35.64 -0.62 0.00	36.49 -0.74 0.00	35.43 -0.91 0.00	35.68 -1.10 0.00	37.47 -1.28 0.00	42.26 -1.35 0.00	45.55 -1.60 0.00	48.69 -2.19 0.00	53.59 -2.29 0.00	54.43 -1.39 0.00	51.86 -1.83 0.00	46.79 -1.55 0.00	42.17 -1.30 0.00	38.71 -0.51 0.00
BARRETT_IC_1 23704	41.91 2.82 0.00	35.35 2.68 0.00	31.25 2.18 0.00	30.71 2.35 0.00	30.55 2.11 0.00	31.51 2.17 0.00	34.13 2.08 0.00	41.84 2.29 0.00	39.88 2.50 0.00	39.41 2.44 0.00	39.09 2.39 -0.44	39.47 2.23 0.00	39.09 2.69 -0.06	39.09 2.24 -0.06	41.11 2.36 0.00	46.22 2.62 0.00	49.98 2.83 0.00	54.79 3.82 -0.09	60.08 4.19 0.00	59.96 4.13 0.00	56.91 3.22 0.00	51.23 2.90 0.00	45.73 2.26 0.00	41.29 2.08 0.00
BARRETT_IC_10 23701	41.91 2.82 0.00	35.35 2.68 0.00	31.25 2.18 0.00	30.71 2.35 0.00	30.55 2.11 0.00	31.51 2.17 0.00	34.13 2.08 0.00	41.84 2.29 0.00	39.88 2.50 0.00	39.41 2.44 0.00	39.09 2.39 -0.44	39.47 2.23 0.00	39.09 2.69 -0.06	39.09 2.24 -0.06	41.11 2.36 0.00	46.22 2.62 0.00	49.98 2.83 0.00	54.72 3.82 -0.03	60.08 4.19 0.00	59.96 4.13 0.00	56.91 3.22 0.00	51.23 2.90 0.00	45.73 2.26 0.00	41.29 2.08 0.00
BARRETT_IC_11 23702	41.91 2.82 0.00	35.35 2.68 0.00	31.25 2.18 0.00	30.71 2.35 0.00	30.55 2.11 0.00	31.51 2.17 0.00	34.13 2.08 0.00	41.84 2.29 0.00	39.88 2.50 0.00	39.41 2.44 0.00	39.09 2.39 -0.44	39.47 2.23 0.00	39.09 2.69 -0.06	39.09 2.24 -0.06	41.11 2.36 0.00	46.22 2.62 0.00	49.98 2.83 0.00	54.72 3.82 -0.03	60.08 4.19 0.00	59.96 4.13 0.00	56.91 3.22 0.00	51.23 2.90 0.00	45.73 2.26 0.00	41.29 2.08 0.00
BARRETT_IC_12 23703	41.91 2.82 0.00	35.35 2.68 0.00	31.25 2.18 0.00	30.71 2.35 0.00	30.55 2.11 0.00	31.51 2.17 0.00	34.13 2.08 0.00	41.84 2.29 0.00	39.88 2.50 0.00	39.41 2.44 0.00	39.09 2.39 -0.44	39.47 2.23 0.00	39.09 2.69 -0.06	39.09 2.24 -0.06	41.11 2.36 0.00	46.22 2.62 0.00	49.98 2.83 0.00	54.72 3.82 -0.03	60.08 4.19 0.00	59.96 4.13 0.00	56.91 3.22 0.00	51.23 2.90 0.00	45.73 2.26 0.00	41.29 2.08 0.00
BARRETT_IC_2 23705	41.91 2.82 0.00	35.35 2.68 0.00	31.25 2.18 0.00	30.71 2.35 0.00	30.55 2.11 0.00	31.51 2.17 0.00	34.13 2.08 0.00	41.84 2.29 0.00	39.88 2.50 0.00	39.41 2.44 0.00	39.09 2.39 -0.44	39.47 2.23 0.00	39.09 2.69 -0.06	39.09 2.24 -0.06	41.11 2.36 0.00	46.22 2.62 0.00	49.98 2.83 0.00	54.79 3.82 -0.09	60.08 4.19 0.00	59.96 4.13 0.00	56.91 3.22 0.00	51.23 2.90 0.00	45.73 2.26 0.00	41.29 2.08 0.00
BARRETT_IC_3 23706	41.91 2.82 0.00	35.35 2.68 0.00	31.25 2.18 0.00	30.71 2.35 0.00	30.55 2.11 0.00	31.51 2.17 0.00	34.13 2.08 0.00	41.84 2.29 0.00	39.88 2.50 0.00	39.41 2.44 0.00	39.09 2.39 -0.44	39.47 2.23 0.00	39.09 2.69 -0.06	39.09 2.24 -0.06	41.11 2.36 0.00	46.22 2.62 0.00	49.98 2.83 0.00	54.79 3.82 -0.09	60.08 4.19 0.00	59.96 4.13 0.00	56.91 3.22 0.00	51.23 2.90 0.00	45.73 2.26 0.00	41.29 2.08 0.00
BARRETT_IC_4 23707	41.91 2.82 0.00	35.35 2.68 0.00	31.25 2.18 0.00	30.71 2.35 0.00	30.55 2.11 0.00	31.51 2.17 0.00	34.13 2.08 0.00	41.84 2.29 0.00	39.88 2.50 0.00	39.41 2.44 0.00	39.09 2.39 -0.44	39.47 2.23 0.00	39.09 2.69 -0.06	39.09 2.24 -0.06	41.11 2.36 0.00	46.22 2.62 0.00	49.98 2.83 0.00	54.79 3.82 -0.09	60.08 4.19 0.00	59.96 4.13 0.00	56.91 3.22 0.00	51.23 2.90 0.00	45.73 2.26 0.00	41.29 2.08 0.00
BARRETT_IC_5 23708	41.91 2.82 0.00	35.35 2.68 0.00	31.25 2.18 0.00	30.71 2.35 0.00	30.55 2.11 0.00	31.51 2.17 0.00	34.13 2.08 0.00	41.84 2.29 0.00	39.88 2.50 0.00	39.41 2.44 0.00	39.09 2.39 -0.44	39.47 2.23 0.00	39.09 2.69 -0.06	39.09 2.24 -0.06	41.11 2.36 0.00	46.22 2.62 0.00	49.98 2.83 0.00	54.79 3.82 -0.09	60.08 4.19 0.00	59.96 4.13 0.00	56.91 3.22 0.00	51.23 2.90 0.00	45.73 2.26 0.00	41.29 2.08 0.00



BARRETT_IC_6 23709	41.91 2.82 0.00	35.35 2.68 0.00	31.25 2.18 0.00	30.71 2.35 0.00	30.55 2.11 0.00	31.51 2.17 0.00	34.13 2.08 0.00	41.84 2.29 0.00	39.88 2.50 0.00	39.41 2.44 0.00	39.09 2.39 -0.44	39.47 2.23 0.00	39.09 2.69 -0.06	39.09 2.24 -0.06	41.11 2.36 0.00	46.22 2.62 0.00	49.98 2.83 0.00	54.79 3.82 -0.09	60.08 4.19 0.00	59.96 4.13 0.00	56.91 3.22 0.00	51.23 2.90 0.00	45.73 2.26 0.00	41.29 2.08 0.00
BARRETT_IC_7 23710	42.07 2.97 0.00	35.38 2.71 0.00	31.25 2.18 0.00	30.73 2.38 0.00	30.58 2.13 0.00	31.51 2.17 0.00	34.13 2.08 0.00	41.60 2.06 0.00	39.65 2.28 0.00	39.27 2.29 0.00	39.02 2.32 -0.44	39.47 2.23 0.00	38.40 2.00 -0.06	39.05 2.21 -0.06	41.11 2.36 0.00	46.05 2.44 0.00	49.84 2.69 0.00	54.74 3.77 -0.09	59.63 3.74 0.00	59.17 3.35 0.00	56.70 3.01 0.00	51.09 2.76 0.00	45.65 2.17 0.00	41.22 2.00 0.00
BARRETT_IC_8 23711	41.91 2.82 0.00	35.35 2.68 0.00	31.25 2.18 0.00	30.71 2.35 0.00	30.55 2.11 0.00	31.51 2.17 0.00	34.13 2.08 0.00	41.84 2.29 0.00	39.88 2.50 0.00	39.41 2.44 0.00	39.09 2.39 -0.44	39.47 2.23 0.00	39.09 2.69 -0.06	39.09 2.24 -0.06	41.11 2.36 0.00	46.22 2.62 0.00	49.98 2.83 0.00	54.79 3.82 -0.09	60.08 4.19 0.00	59.96 4.13 0.00	56.91 3.22 0.00	51.23 2.90 0.00	45.73 2.26 0.00	41.29 2.08 0.00
BARRETT_IC_9 23700	41.91 2.82 0.00	35.35 2.68 0.00	31.25 2.18 0.00	30.71 2.35 0.00	30.55 2.11 0.00	31.51 2.17 0.00	34.13 2.08 0.00	41.84 2.29 0.00	39.88 2.50 0.00	39.41 2.44 0.00	39.09 2.39 -0.44	39.47 2.23 0.00	39.09 2.69 -0.06	39.09 2.24 -0.06	41.11 2.36 0.00	46.22 2.62 0.00	49.98 2.83 0.00	54.72 3.82 -0.03	60.08 4.19 0.00	59.96 4.13 0.00	56.91 3.22 0.00	51.23 2.90 0.00	45.73 2.26 0.00	41.29 2.08 0.00
BARRETT___1 23545	41.91 2.82 0.00	35.35 2.68 0.00	31.25 2.18 0.00	30.71 2.35 0.00	30.55 2.11 0.00	31.51 2.17 0.00	34.13 2.08 0.00	41.84 2.29 0.00	39.88 2.50 0.00	39.41 2.44 0.00	39.09 2.39 -0.44	39.47 2.23 0.00	39.09 2.69 -0.06	39.09 2.24 -0.06	41.11 2.36 0.00	46.22 2.62 0.00	49.98 2.83 0.00	54.79 3.82 -0.09	60.08 4.19 0.00	59.96 4.13 0.00	56.91 3.22 0.00	51.23 2.90 0.00	45.73 2.26 0.00	41.29 2.08 0.00
BARRETT___2 23546	41.91 2.82 0.00	35.35 2.68 0.00	31.25 2.18 0.00	30.71 2.35 0.00	30.55 2.11 0.00	31.51 2.17 0.00	34.13 2.08 0.00	41.84 2.29 0.00	39.88 2.50 0.00	39.41 2.44 0.00	39.09 2.39 -0.44	39.47 2.23 0.00	39.09 2.69 -0.06	39.09 2.24 -0.06	41.11 2.36 0.00	46.22 2.62 0.00	49.98 2.83 0.00	54.72 3.82 -0.03	60.08 4.19 0.00	59.96 4.13 0.00	56.91 3.22 0.00	51.23 2.90 0.00	45.73 2.26 0.00	41.29 2.08 0.00
BATAVIA___115KV_TB1 55881	40.04 0.94 0.00	32.15 -0.52 0.00	29.01 -0.06 0.00	28.07 -0.28 0.00	28.22 -0.23 0.00	28.99 -0.35 0.00	31.28 -0.77 0.00	38.60 -0.95 0.00	36.29 -1.08 0.00	35.64 -1.33 0.00	35.17 -1.09 0.00	35.78 -1.45 0.00	34.96 -1.38 0.00	35.06 -1.73 0.00	36.69 -2.05 0.00	41.65 -1.96 0.00	44.94 -2.22 0.00	47.27 -3.61 0.00	51.98 -3.91 0.00	52.53 -3.29 0.00	50.58 -3.11 0.00	46.16 -2.18 0.00	41.52 -1.96 0.00	38.59 -0.63 0.00
BAYONEEC___CTG1 323682	41.87 2.78 0.00	35.09 2.42 0.00	31.07 2.00 0.00	30.42 2.07 0.00	30.41 1.96 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.76 2.21 0.00	39.77 2.39 0.00	39.34 2.37 0.00	38.51 2.25 0.00	39.65 2.42 0.00	38.92 2.58 0.00	39.44 2.65 0.00	41.62 2.87 0.00	46.75 3.14 0.00	50.50 3.35 0.00	55.99 4.12 -0.99	60.58 4.70 0.00	60.18 4.36 0.00	57.18 3.49 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.19 0.00
BAYONEEC___CTG10 323750	41.87 2.78 0.00	35.09 2.42 0.00	31.07 2.00 0.00	30.42 2.07 0.00	30.41 1.96 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.76 2.21 0.00	39.77 2.39 0.00	39.34 2.37 0.00	38.51 2.25 0.00	39.65 2.42 0.00	38.92 2.58 0.00	39.44 2.65 0.00	41.62 2.87 0.00	46.75 3.14 0.00	50.50 3.35 0.00	55.99 4.12 -0.99	60.58 4.70 0.00	60.18 4.36 0.00	57.18 3.49 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.19 0.00
BAYONEEC___CTG2 323683	41.87 2.78 0.00	35.09 2.42 0.00	31.07 2.00 0.00	30.42 2.07 0.00	30.41 1.96 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.76 2.21 0.00	39.77 2.39 0.00	39.34 2.37 0.00	38.51 2.25 0.00	39.65 2.42 0.00	38.92 2.58 0.00	39.44 2.65 0.00	41.62 2.87 0.00	46.75 3.14 0.00	50.50 3.35 0.00	55.99 4.12 -0.99	60.58 4.70 0.00	60.18 4.36 0.00	57.18 3.49 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.19 0.00
BAYONEEC___CTG3 323684	41.87 2.78 0.00	35.09 2.42 0.00	31.07 2.00 0.00	30.42 2.07 0.00	30.41 1.96 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.76 2.21 0.00	39.77 2.39 0.00	39.34 2.37 0.00	38.51 2.25 0.00	39.65 2.42 0.00	38.92 2.58 0.00	39.44 2.65 0.00	41.62 2.87 0.00	46.75 3.14 0.00	50.50 3.35 0.00	55.99 4.12 -0.99	60.58 4.70 0.00	60.18 4.36 0.00	57.18 3.49 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.19 0.00
BAYONEEC___CTG4 323685	41.87 2.78 0.00	35.09 2.42 0.00	31.07 2.00 0.00	30.42 2.07 0.00	30.41 1.96 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.76 2.21 0.00	39.77 2.39 0.00	39.34 2.37 0.00	38.51 2.25 0.00	39.65 2.42 0.00	38.92 2.58 0.00	39.44 2.65 0.00	41.62 2.87 0.00	46.75 3.14 0.00	50.50 3.35 0.00	55.99 4.12 -0.99	60.58 4.70 0.00	60.18 4.36 0.00	57.18 3.49 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.19 0.00
BAYONEEC___CTG5 323686	41.87 2.78 0.00	35.09 2.42 0.00	31.07 2.00 0.00	30.42 2.07 0.00	30.41 1.96 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.76 2.21 0.00	39.77 2.39 0.00	39.34 2.37 0.00	38.51 2.25 0.00	39.65 2.42 0.00	38.92 2.58 0.00	39.44 2.65 0.00	41.62 2.87 0.00	46.75 3.14 0.00	50.50 3.35 0.00	55.99 4.12 -0.99	60.58 4.70 0.00	60.18 4.36 0.00	57.18 3.49 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.19 0.00
BAYONEEC___CTG6 323687	41.87 2.78 0.00	35.09 2.42 0.00	31.07 2.00 0.00	30.42 2.07 0.00	30.41 1.96 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.76 2.21 0.00	39.77 2.39 0.00	39.34 2.37 0.00	38.51 2.25 0.00	39.65 2.42 0.00	38.92 2.58 0.00	39.44 2.65 0.00	41.62 2.87 0.00	46.75 3.14 0.00	50.50 3.35 0.00	55.99 4.12 -0.99	60.58 4.70 0.00	60.18 4.36 0.00	57.18 3.49 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.19 0.00
BAYONEEC___CTG7 323688	41.87 2.78 0.00	35.09 2.42 0.00	31.07 2.00 0.00	30.42 2.07 0.00	30.41 1.96 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.76 2.21 0.00	39.77 2.39 0.00	39.34 2.37 0.00	38.51 2.25 0.00	39.65 2.42 0.00	38.92 2.58 0.00	39.44 2.65 0.00	41.62 2.87 0.00	46.75 3.14 0.00	50.50 3.35 0.00	55.99 4.12 -0.99	60.58 4.70 0.00	60.18 4.36 0.00	57.18 3.49 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.19 0.00



BAYONEEC___CTG8 323689	41.87 2.78 0.00	35.09 2.42 0.00	31.07 2.00 0.00	30.42 2.07 0.00	30.41 1.96 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.76 2.21 0.00	39.77 2.39 0.00	39.34 2.37 0.00	38.51 2.25 0.00	39.65 2.42 0.00	38.92 2.58 0.00	39.44 2.65 0.00	41.62 2.87 0.00	46.75 3.14 0.00	50.50 3.35 0.00	55.99 4.12 -0.99	60.58 4.70 0.00	60.18 4.36 0.00	57.18 3.49 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.19 0.00
BAYONEEC___CTG9 323749	41.87 2.78 0.00	35.09 2.42 0.00	31.07 2.00 0.00	30.42 2.07 0.00	30.41 1.96 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.76 2.21 0.00	39.77 2.39 0.00	39.34 2.37 0.00	38.51 2.25 0.00	39.65 2.42 0.00	38.92 2.58 0.00	39.44 2.65 0.00	41.62 2.87 0.00	46.75 3.14 0.00	50.50 3.35 0.00	55.99 4.12 -0.99	60.58 4.70 0.00	60.18 4.36 0.00	57.18 3.49 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.19 0.00
BEACON___LESR 323632	40.39 1.29 0.00	33.81 1.14 0.00	30.02 0.96 0.00	29.32 0.96 0.00	29.36 0.91 0.00	30.34 1.00 0.00	32.94 0.90 0.00	40.42 0.87 0.00	38.27 0.90 0.00	37.86 0.89 0.00	37.09 0.83 0.00	38.13 0.89 0.00	37.28 0.94 0.00	37.78 0.99 0.00	39.75 1.01 0.00	44.79 1.18 0.00	48.47 1.32 0.00	52.40 1.52 0.00	57.90 2.01 0.00	57.78 1.95 0.00	55.36 1.67 0.00	49.59 1.25 0.00	44.60 1.13 0.00	40.08 0.86 0.00
BEAVER RIVER___HYD 24048	38.35 -0.74 0.00	31.98 -0.69 0.00	28.45 -0.61 0.00	27.73 -0.62 0.00	27.97 -0.48 0.00	28.75 -0.59 0.00	31.37 -0.67 0.00	38.79 -0.75 0.00	36.59 -0.79 0.00	36.16 -0.81 0.00	35.46 -0.80 0.00	36.27 -0.97 0.00	35.25 -1.09 0.00	35.72 -1.07 0.00	37.74 -1.01 0.00	42.61 -1.00 0.00	46.21 -0.94 0.00	49.86 -1.02 0.00	54.94 -0.95 0.00	55.10 -0.73 0.00	53.15 -0.54 0.00	47.95 -0.39 0.00	42.95 -0.52 0.00	38.63 -0.59 0.00
BEEBEE_GT_13 23619	39.49 0.39 0.00	32.15 -0.52 0.00	28.86 -0.20 0.00	27.98 -0.37 0.00	28.14 -0.31 0.00	28.93 -0.41 0.00	31.34 -0.70 0.00	38.64 -0.91 0.00	36.36 -1.01 0.00	35.83 -1.15 0.00	35.32 -0.94 0.00	36.08 -1.15 0.00	35.25 -1.09 0.00	35.46 -1.32 0.00	37.16 -1.59 0.00	42.08 -1.53 0.00	45.41 -1.74 0.00	48.13 -2.75 0.00	52.87 -3.02 0.00	53.20 -2.62 0.00	51.17 -2.52 0.00	46.55 -1.79 0.00	41.82 -1.65 0.00	38.51 -0.71 0.00
BENSHRST_27_KV_BENSHRST_1 355998	42.51 3.40 -0.01	35.55 2.88 -0.01	31.52 2.44 -0.01	30.86 2.50 -0.01	30.85 2.39 -0.01	31.73 2.38 -0.01	34.32 2.28 0.00	42.08 2.53 0.00	40.03 2.65 0.00	39.72 2.74 -0.01	38.88 2.61 -0.01	40.12 2.87 -0.02	39.20 2.83 -0.02	42.58 3.02 -2.78	46.97 3.29 -4.93	47.28 3.66 -0.01	51.07 3.91 0.00	65.30 5.04 -9.38	61.09 5.20 0.00	60.29 4.47 0.00	57.82 4.13 0.00	51.77 3.43 0.00	46.61 3.13 -0.01	41.97 2.75 -0.01
BETHLEHEM___GRP 23843	39.76 0.66 0.00	33.36 0.69 0.00	29.62 0.55 0.00	28.95 0.60 0.00	28.99 0.54 0.00	29.96 0.62 0.00	32.49 0.45 0.00	39.82 0.28 0.00	37.67 0.30 0.00	37.31 0.33 0.00	36.51 0.25 0.00	37.57 0.34 0.00	36.70 0.36 0.00	37.26 0.48 0.00	39.17 0.43 0.00	44.04 0.44 0.00	47.67 0.52 0.00	51.64 0.76 0.00	56.84 0.95 0.00	56.55 0.73 0.00	54.44 0.75 0.00	48.82 0.48 0.00	43.95 0.48 0.00	39.45 0.24 0.00
BETHLEHEM___GS1 323560	39.80 0.70 0.00	33.36 0.69 0.00	29.62 0.55 0.00	28.95 0.60 0.00	28.99 0.54 0.00	29.96 0.62 0.00	32.49 0.45 0.00	39.86 0.31 0.00	37.75 0.37 0.00	37.34 0.37 0.00	36.59 0.33 0.00	37.57 0.33 0.00	36.78 0.44 0.00	37.26 0.48 0.00	39.18 0.43 0.00	44.13 0.53 0.00	47.76 0.61 0.00	51.64 0.76 0.00	57.01 1.12 0.00	56.88 1.06 0.00	54.44 0.75 0.00	48.87 0.53 0.00	43.95 0.48 0.00	39.45 0.24 0.00
BETHLEHEM___GS2 323561	39.80 0.70 0.00	33.36 0.69 0.00	29.62 0.55 0.00	28.95 0.60 0.00	28.99 0.54 0.00	29.96 0.62 0.00	32.49 0.45 0.00	39.86 0.31 0.00	37.75 0.37 0.00	37.34 0.37 0.00	36.59 0.33 0.00	37.57 0.33 0.00	36.78 0.44 0.00	37.26 0.48 0.00	39.18 0.43 0.00	44.13 0.53 0.00	47.76 0.61 0.00	51.64 0.76 0.00	57.01 1.12 0.00	56.88 1.06 0.00	54.44 0.75 0.00	48.87 0.53 0.00	43.95 0.48 0.00	39.45 0.24 0.00
BETHLEHEM___GS3 323562	39.80 0.70 0.00	33.36 0.69 0.00	29.62 0.55 0.00	28.95 0.60 0.00	28.99 0.54 0.00	29.96 0.62 0.00	32.49 0.45 0.00	39.86 0.31 0.00	37.75 0.37 0.00	37.34 0.37 0.00	36.59 0.33 0.00	37.57 0.33 0.00	36.78 0.44 0.00	37.26 0.48 0.00	39.18 0.43 0.00	44.13 0.53 0.00	47.76 0.61 0.00	51.64 0.76 0.00	57.01 1.12 0.00	56.88 1.06 0.00	54.44 0.75 0.00	48.87 0.53 0.00	43.95 0.48 0.00	39.45 0.24 0.00
BETHLEHEM___STEEL 23779	39.68 0.59 0.00	31.92 -0.75 0.00	28.81 -0.26 0.00	27.87 -0.48 0.00	28.05 -0.40 0.00	28.78 -0.56 0.00	31.05 -0.99 0.00	38.44 -1.11 0.00	36.03 -1.35 0.00	35.35 -1.63 0.00	34.88 -1.38 0.00	35.45 -1.79 0.00	34.71 -1.64 0.00	34.80 -1.99 0.00	36.42 -2.32 0.00	41.25 -2.35 0.00	44.47 -2.69 0.00	46.96 -3.92 0.00	51.58 -4.30 0.00	52.08 -3.74 0.00	50.04 -3.65 0.00	45.48 -2.85 0.00	40.95 -2.52 0.00	38.12 -1.10 0.00
BETHLHEM_115KV_TB1 79974	39.84 0.74 0.00	33.42 0.75 0.00	29.68 0.61 0.00	29.01 0.65 0.00	29.05 0.60 0.00	30.02 0.67 0.00	32.56 0.51 0.00	39.90 0.36 0.00	37.75 0.37 0.00	37.38 0.41 0.00	36.59 0.33 0.00	37.64 0.41 0.00	36.78 0.44 0.00	37.30 0.52 0.00	39.29 0.54 0.00	44.13 0.52 0.00	47.81 0.66 0.00	51.74 0.86 0.00	56.95 1.06 0.00	56.66 0.84 0.00	54.55 0.86 0.00	48.91 0.58 0.00	44.04 0.57 0.00	39.57 0.35 0.00
BETHPAGE_CC_5 323564	42.03 2.93 0.00	35.48 2.81 0.00	31.36 2.30 0.00	30.82 2.47 0.00	30.67 2.22 0.00	31.63 2.29 0.00	34.25 2.21 0.00	41.92 2.37 0.00	39.95 2.58 0.00	39.52 2.55 0.00	38.89 2.57 -0.05	39.58 2.35 0.00	39.10 2.76 0.00	39.14 2.36 0.00	41.23 2.48 0.00	46.31 2.70 0.00	50.22 3.06 0.00	54.95 4.07 0.00	60.36 4.47 0.00	60.23 4.41 0.00	57.13 3.44 0.00	51.47 3.14 0.00	45.86 2.39 0.00	41.41 2.19 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	39.68 0.59 0.00	31.92 -0.75 0.00	28.81 -0.26 0.00	27.90 -0.45 0.00	28.05 -0.40 0.00	28.78 -0.56 0.00	31.08 -0.96 0.00	38.48 -1.07 0.00	36.07 -1.31 0.00	35.35 -1.63 0.00	34.92 -1.34 0.00	35.48 -1.75 0.00	34.74 -1.60 0.00	34.84 -1.95 0.00	36.46 -2.29 0.00	41.25 -2.35 0.00	44.51 -2.64 0.00	47.01 -3.87 0.00	51.64 -4.25 0.00	52.14 -3.68 0.00	50.15 -3.54 0.00	45.53 -2.80 0.00	40.99 -2.48 0.00	38.12 -1.10 0.00
BINGHAMTON___COGEN 23790	39.65 0.55 0.00	32.80 0.13 0.00	29.27 0.20 0.00	28.52 0.17 0.00	28.68 0.23 0.00	29.49 0.15 0.00	32.11 0.06 0.00	39.59 0.04 0.00	37.26 -0.11 0.00	36.79 -0.18 0.00	36.15 -0.11 0.00	37.01 -0.22 0.00	36.09 -0.25 0.00	36.46 -0.33 0.00	38.40 -0.35 0.00	43.30 -0.31 0.00	46.78 -0.38 0.00	50.22 -0.66 0.00	55.22 -0.67 0.00	55.32 -0.50 0.00	53.15 -0.54 0.00	47.95 -0.39 0.00	43.08 -0.39 0.00	39.10 -0.12 0.00



BIXINCNT_115KV_LOAD 355685	39.92 0.82 0.00	32.15 -0.52 0.00	29.01 -0.06 0.00	28.07 -0.28 0.00	28.25 -0.20 0.00	28.96 -0.38 0.00	31.34 -0.70 0.00	38.84 -0.71 0.00	36.44 -0.93 0.00	35.68 -1.29 0.00	35.21 -1.05 0.00	35.78 -1.45 0.00	34.96 -1.38 0.00	35.06 -1.73 0.00	36.66 -2.09 0.00	41.56 -2.05 0.00	44.80 -2.36 0.00	47.47 -3.41 0.00	52.09 -3.80 0.00	52.59 -3.24 0.00	50.63 -3.06 0.00	45.87 -2.47 0.00	41.21 -2.26 0.00	38.27 -0.94 0.00
BLACK RIVER___HYD 24047	38.78 -0.31 0.00	32.28 -0.39 0.00	28.69 -0.38 0.00	27.96 -0.40 0.00	28.25 -0.20 0.00	29.02 -0.32 0.00	31.60 -0.45 0.00	38.91 -0.63 0.00	36.66 -0.71 0.00	36.20 -0.78 0.00	35.53 -0.72 0.00	36.30 -0.93 0.00	35.21 -1.13 0.00	35.68 -1.10 0.00	37.70 -1.04 0.00	42.61 -1.00 0.00	46.40 -0.76 0.00	50.01 -0.87 0.00	55.33 -0.56 0.00	55.60 -0.22 0.00	53.58 -0.11 0.00	48.33 0.00 0.00	43.12 -0.35 0.00	38.82 -0.39 0.00
BLACKRVR_115KV_TB2 79977	38.75 -0.35 0.00	32.28 -0.39 0.00	28.69 -0.38 0.00	27.96 -0.40 0.00	28.25 -0.20 0.00	29.02 -0.32 0.00	31.60 -0.45 0.00	38.91 -0.63 0.00	36.66 -0.71 0.00	36.23 -0.74 0.00	35.53 -0.73 0.00	36.30 -0.93 0.00	35.25 -1.09 0.00	35.68 -1.10 0.00	37.70 -1.05 0.00	42.74 -0.87 0.00	46.40 -0.75 0.00	50.01 -0.86 0.00	55.33 -0.56 0.00	55.60 -0.22 0.00	53.58 -0.11 0.00	48.38 0.05 0.00	43.12 -0.35 0.00	38.82 -0.39 0.00
BLDWN_LI_69_KV_BK4 356085	42.27 3.17 0.00	35.51 2.84 0.00	31.33 2.27 0.00	30.85 2.50 0.00	30.67 2.22 0.00	31.60 2.26 0.00	34.22 2.18 0.00	41.72 2.18 0.00	39.77 2.39 0.00	39.38 2.40 0.00	38.92 2.50 -0.16	39.62 2.38 0.00	38.50 2.14 -0.02	39.19 2.39 -0.02	41.27 2.52 0.00	46.31 2.70 0.00	50.17 3.02 0.00	55.08 4.17 -0.02	60.08 4.19 0.00	59.57 3.74 0.00	57.13 3.44 0.00	51.48 3.14 0.00	45.91 2.43 0.00	41.41 2.20 0.00
BLISS_WT_PWR 323608	39.92 0.82 0.00	32.15 -0.52 0.00	29.04 -0.03 0.00	28.10 -0.26 0.00	28.31 -0.14 0.00	28.99 -0.35 0.00	31.37 -0.67 0.00	38.87 -0.67 0.00	36.44 -0.93 0.00	35.75 -1.22 0.00	35.24 -1.02 0.00	36.04 -1.19 0.00	34.92 -1.42 0.00	35.06 -1.73 0.00	36.66 -2.09 0.00	41.43 -2.18 0.00	44.61 -2.55 0.00	47.47 -3.41 0.00	52.14 -3.74 0.00	53.15 -2.68 0.00	50.63 -3.06 0.00	45.58 -2.75 0.00	41.17 -2.31 0.00	38.20 -1.02 0.00
BLUESTONE___WT_PWR 323821	41.21 2.11 0.00	34.14 1.47 0.00	30.40 1.34 0.00	29.63 1.28 0.00	29.93 1.48 0.00	30.78 1.44 0.00	33.45 1.41 0.00	41.17 1.62 0.00	38.79 1.42 0.00	38.30 1.33 0.00	37.67 1.41 0.00	38.50 1.27 0.00	37.28 0.94 0.00	37.74 0.95 0.00	39.87 1.12 0.00	45.05 1.44 0.00	48.90 1.75 0.00	52.51 1.63 0.00	58.07 2.18 0.00	58.45 2.62 0.00	55.84 2.15 0.00	50.36 2.03 0.00	45.03 1.56 0.00	40.74 1.53 0.00
BLUE_CIRC_CHEM_DRP 24182	40.19 1.09 0.00	33.65 0.98 0.00	29.91 0.84 0.00	29.20 0.85 0.00	29.27 0.83 0.00	30.22 0.88 0.00	32.81 0.77 0.00	40.10 0.55 0.00	37.86 0.49 0.00	37.45 0.48 0.00	36.66 0.40 0.00	37.68 0.45 0.00	36.81 0.47 0.00	37.34 0.55 0.00	39.37 0.62 0.00	44.26 0.65 0.00	47.95 0.80 0.00	52.05 1.17 0.00	57.29 1.40 0.00	57.05 1.23 0.00	54.98 1.29 0.00	49.30 0.97 0.00	44.43 0.96 0.00	39.96 0.75 0.00
BOC_GAS_DRP 24189	40.04 0.94 0.00	33.55 0.88 0.00	29.79 0.73 0.00	29.12 0.77 0.00	29.16 0.71 0.00	30.10 0.76 0.00	32.69 0.64 0.00	40.10 0.55 0.00	37.97 0.60 0.00	37.57 0.59 0.00	36.77 0.51 0.00	37.83 0.60 0.00	36.96 0.62 0.00	37.49 0.70 0.00	39.48 0.74 0.00	44.39 0.78 0.00	48.05 0.90 0.00	52.00 1.12 0.00	57.23 1.34 0.00	56.94 1.12 0.00	54.82 1.13 0.00	49.20 0.87 0.00	44.25 0.78 0.00	39.80 0.59 0.00
BOONVILLE_115KV_TB1 79983	39.49 0.39 0.00	32.93 0.26 0.00	29.30 0.23 0.00	28.55 0.20 0.00	28.76 0.31 0.00	29.60 0.26 0.00	32.27 0.22 0.00	39.74 0.20 0.00	37.52 0.15 0.00	37.09 0.11 0.00	36.40 0.15 0.00	37.27 0.04 0.00	36.27 -0.07 0.00	36.71 -0.07 0.00	38.79 0.04 0.00	43.78 0.17 0.00	47.44 0.28 0.00	51.08 0.20 0.00	56.34 0.45 0.00	56.38 0.56 0.00	54.23 0.54 0.00	48.91 0.58 0.00	43.78 0.30 0.00	39.45 0.24 0.00
BORALEX_4TH_BRANCH 23824	40.97 1.88 0.00	34.37 1.70 0.00	30.46 1.40 0.00	29.77 1.42 0.00	29.82 1.37 0.00	30.92 1.58 0.00	33.52 1.47 0.00	41.05 1.50 0.00	38.76 1.38 0.00	38.34 1.37 0.00	37.46 1.20 0.00	38.54 1.30 0.00	37.65 1.31 0.00	38.18 1.40 0.00	40.30 1.55 0.00	45.22 1.61 0.00	49.09 1.93 0.00	53.32 2.44 0.00	59.02 3.13 0.00	58.73 2.90 0.00	56.64 2.95 0.00	50.70 2.37 0.00	45.60 2.13 0.00	40.82 1.61 0.00
BOWLINE___1 23526	41.40 2.31 0.00	34.73 2.06 0.00	30.78 1.71 0.00	30.11 1.76 0.00	30.13 1.68 0.00	31.04 1.70 0.00	33.68 1.63 0.00	41.41 1.86 0.00	39.35 1.98 0.00	38.93 1.96 0.00	38.11 1.85 0.00	39.21 1.97 0.00	38.41 2.07 0.00	38.92 2.13 0.00	41.11 2.36 0.00	46.18 2.57 0.00	49.93 2.78 0.00	54.39 3.51 0.00	59.91 4.03 0.00	59.79 3.96 0.00	56.75 3.06 0.00	50.85 2.51 0.00	45.60 2.13 0.00	41.06 1.84 0.00
BOWLINE___2 23595	41.40 2.31 0.00	34.73 2.06 0.00	30.78 1.71 0.00	30.11 1.76 0.00	30.13 1.68 0.00	31.04 1.70 0.00	33.68 1.63 0.00	41.41 1.86 0.00	39.35 1.98 0.00	38.93 1.96 0.00	38.11 1.85 0.00	39.21 1.97 0.00	38.41 2.07 0.00	38.92 2.13 0.00	41.11 2.36 0.00	46.18 2.57 0.00	49.93 2.78 0.00	54.39 3.51 0.00	59.91 4.03 0.00	59.79 3.96 0.00	56.75 3.06 0.00	50.85 2.51 0.00	45.60 2.13 0.00	41.06 1.84 0.00
BRADY___115KV_TB2 356060	38.00 -1.09 0.00	31.95 -0.72 0.00	28.43 -0.64 0.00	27.70 -0.65 0.00	27.85 -0.60 0.00	28.64 -0.70 0.00	31.53 -0.51 0.00	39.74 0.20 0.00	37.52 0.15 0.00	37.16 0.18 0.00	36.40 0.15 0.00	37.38 0.15 0.00	36.45 0.11 0.00	36.93 0.15 0.00	38.86 0.12 0.00	43.91 0.31 0.00	47.25 0.09 0.00	50.88 0.00 0.00	55.89 0.00 0.00	55.94 0.11 0.00	53.85 0.16 0.00	48.72 0.39 0.00	44.17 0.70 0.00	39.61 0.39 0.00
BRANSCOMB___SOLAR 323811	41.13 2.03 0.00	34.40 1.73 0.00	30.55 1.48 0.00	29.80 1.45 0.00	29.84 1.39 0.00	30.87 1.52 0.00	33.55 1.51 0.00	41.13 1.58 0.00	38.83 1.46 0.00	38.34 1.37 0.00	37.60 1.34 0.00	38.57 1.34 0.00	37.94 1.60 0.00	38.40 1.62 0.00	40.57 1.82 0.00	45.74 2.14 0.00	49.60 2.45 0.00	53.32 2.44 0.00	59.02 3.13 0.00	59.01 3.18 0.00	56.59 2.90 0.00	50.65 2.32 0.00	45.56 2.09 0.00	40.90 1.69 0.00
BRDGHMPT_69_KV_BK1 55812	42.66 3.56 0.00	35.87 3.20 0.00	31.60 2.53 0.00	31.22 2.86 0.00	30.95 2.50 0.00	31.86 2.52 0.00	34.48 2.44 0.00	41.96 2.41 0.00	40.03 2.65 0.00	39.60 2.63 0.00	38.81 2.54 -0.01	39.58 2.35 0.00	38.16 1.82 0.00	38.84 2.06 0.00	41.00 2.25 0.00	46.22 2.62 0.00	50.26 3.11 0.00	55.40 4.53 0.00	60.41 4.53 0.00	60.01 4.19 0.00	57.45 3.76 0.00	52.01 3.67 0.00	46.21 2.74 0.00	41.77 2.55 0.00



BRENTWOD_69_KV_W. BRTWOOD 56703	42.54 3.44 0.00	35.81 3.14 0.00	31.57 2.50 0.00	31.10 2.75 0.00	30.90 2.45 0.00	31.83 2.49 0.00	34.45 2.40 0.00	41.92 2.37 0.00	39.99 2.62 0.00	39.60 2.63 0.00	38.92 2.65 -0.02	39.69 2.46 0.00	38.41 2.07 0.00	39.14 2.35 0.00	41.19 2.44 0.00	46.27 2.66 0.00	50.17 3.02 0.00	55.20 4.32 0.00	60.19 4.30 0.00	59.73 3.91 0.00	57.29 3.60 0.00	51.72 3.38 0.00	46.04 2.56 0.00	41.45 2.24 0.00
BRISTLHL_115KV_TB1 79998	38.67 -0.43 0.00	32.18 -0.49 0.00	28.69 -0.38 0.00	27.96 -0.40 0.00	28.08 -0.37 0.00	28.93 -0.41 0.00	31.53 -0.51 0.00	38.68 -0.87 0.00	36.44 -0.93 0.00	36.09 -0.89 0.00	35.43 -0.83 0.00	36.30 -0.93 0.00	35.40 -0.94 0.00	35.76 -1.03 0.00	37.66 -1.08 0.00	42.47 -1.13 0.00	45.83 -1.32 0.00	49.30 -1.58 0.00	54.16 -1.73 0.00	54.15 -1.67 0.00	52.08 -1.61 0.00	46.98 -1.35 0.00	42.17 -1.30 0.00	38.16 -1.06 0.00
BROOKHAVEN___DRP 24191	42.46 3.36 0.00	35.74 3.07 0.00	31.48 2.41 0.00	31.08 2.72 0.00	30.84 2.39 0.00	31.75 2.41 0.00	34.35 2.31 0.00	41.80 2.25 0.00	39.88 2.50 0.00	39.45 2.48 0.00	38.77 2.50 -0.01	39.54 2.31 0.00	38.16 1.82 0.00	38.88 2.10 0.00	41.00 2.25 0.00	46.09 2.49 0.00	50.03 2.88 0.00	55.05 4.17 0.00	60.02 4.14 0.00	59.62 3.80 0.00	57.13 3.44 0.00	51.67 3.34 0.00	45.99 2.52 0.00	41.41 2.20 0.00
BROOKLYN_NAVY_YARD 23515	41.91 2.82 0.00	35.12 2.45 0.00	31.10 2.03 0.00	30.45 2.10 0.00	30.44 1.99 0.00	31.36 2.02 0.00	34.00 1.96 0.00	41.80 2.25 0.00	39.80 2.43 0.00	39.41 2.44 0.00	38.55 2.29 0.00	39.69 2.46 0.00	38.96 2.62 0.00	39.47 2.68 0.00	41.66 2.91 0.00	46.84 3.23 0.00	50.59 3.44 0.00	55.15 4.27 0.00	60.70 4.81 0.00	60.29 4.47 0.00	57.29 3.60 0.00	51.38 3.05 0.00	46.12 2.65 0.00	41.45 2.23 0.00
BROOKLYN___ARMY_DRP 323595	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	59.53 4.78 -3.87	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
BROOME_2_LFGE 323671	39.65 0.55 0.00	32.80 0.13 0.00	29.27 0.20 0.00	28.52 0.17 0.00	28.68 0.23 0.00	29.49 0.15 0.00	32.11 0.06 0.00	39.55 0.00 0.00	37.23 -0.15 0.00	36.79 -0.18 0.00	36.15 -0.11 0.00	37.05 -0.19 0.00	36.09 -0.25 0.00	36.45 -0.33 0.00	38.40 -0.35 0.00	43.26 -0.35 0.00	46.73 -0.43 0.00	50.22 -0.66 0.00	55.27 -0.61 0.00	55.66 -0.17 0.00	53.15 -0.54 0.00	47.90 -0.44 0.00	43.08 -0.39 0.00	39.10 -0.12 0.00
BROOME___LFGE 323600	39.65 0.55 0.00	32.80 0.13 0.00	29.27 0.20 0.00	28.52 0.17 0.00	28.68 0.23 0.00	29.49 0.15 0.00	32.11 0.06 0.00	39.55 0.00 0.00	37.23 -0.15 0.00	36.79 -0.18 0.00	36.15 -0.11 0.00	37.05 -0.19 0.00	36.09 -0.25 0.00	36.45 -0.33 0.00	38.40 -0.35 0.00	43.26 -0.35 0.00	46.73 -0.43 0.00	50.22 -0.66 0.00	55.27 -0.61 0.00	55.66 -0.17 0.00	53.15 -0.54 0.00	47.90 -0.44 0.00	43.08 -0.39 0.00	39.10 -0.12 0.00
BROWNFLS_115KV_TB_3_5 80003	37.38 -1.72 0.00	31.30 -1.37 0.00	27.82 -1.25 0.00	27.11 -1.25 0.00	27.31 -1.14 0.00	28.08 -1.26 0.00	30.76 -1.28 0.00	38.40 -1.15 0.00	36.29 -1.08 0.00	35.90 -1.07 0.00	35.21 -1.05 0.00	36.08 -1.15 0.00	35.11 -1.24 0.00	35.54 -1.25 0.00	37.51 -1.24 0.00	42.39 -1.22 0.00	45.74 -1.41 0.00	49.30 -1.58 0.00	54.27 -1.62 0.00	54.37 -1.45 0.00	52.35 -1.34 0.00	47.32 -1.02 0.00	42.60 -0.87 0.00	38.27 -0.94 0.00
BROWNSV1_27_KV_LOAD 356125	42.23 3.13 0.00	35.32 2.65 0.00	31.30 2.24 0.00	30.65 2.30 0.00	30.64 2.19 0.00	31.54 2.20 0.00	34.19 2.15 0.00	41.92 2.37 0.00	39.92 2.54 0.00	39.56 2.59 0.00	38.69 2.43 0.00	39.91 2.68 0.00	39.10 2.76 0.00	39.73 2.94 0.00	41.93 3.18 0.00	47.10 3.49 0.00	50.88 3.73 0.00	55.61 4.73 0.00	60.86 4.97 0.00	60.18 4.35 0.00	57.66 3.97 0.00	51.67 3.34 0.00	46.38 2.91 0.00	41.73 2.51 0.00
BURROWS___LYONSDAL 23803	39.25 0.16 0.00	32.74 0.07 0.00	29.10 0.03 0.00	28.38 0.03 0.00	28.59 0.14 0.00	29.43 0.09 0.00	32.08 0.03 0.00	39.55 0.00 0.00	37.34 -0.04 0.00	36.90 -0.07 0.00	36.19 -0.07 0.00	37.05 -0.19 0.00	36.05 -0.29 0.00	36.49 -0.29 0.00	38.55 -0.19 0.00	43.52 -0.09 0.00	47.15 0.00 0.00	50.83 -0.05 0.00	56.06 0.17 0.00	56.10 0.28 0.00	54.01 0.32 0.00	48.67 0.34 0.00	43.60 0.13 0.00	39.26 0.04 0.00
CAITHNESS_CC_1 323624	41.95 2.85 0.00	35.58 2.91 0.00	31.42 2.35 0.00	30.96 2.61 0.00	30.75 2.30 0.00	31.69 2.35 0.00	34.29 2.24 0.00	42.00 2.45 0.00	40.10 2.73 0.00	39.60 2.63 0.00	38.85 2.57 -0.01	39.51 2.27 0.00	38.88 2.54 0.00	38.88 2.10 0.00	40.96 2.21 0.00	46.18 2.57 0.00	50.13 2.97 0.00	54.89 4.02 0.00	60.36 4.47 0.00	60.29 4.47 0.00	57.18 3.49 0.00	51.62 3.29 0.00	45.95 2.48 0.00	41.41 2.19 0.00
CALPINE BETH_PAGE_GT4 24209	42.27 3.17 0.00	35.51 2.84 0.00	31.36 2.30 0.00	30.85 2.50 0.00	30.70 2.25 0.00	31.63 2.29 0.00	34.26 2.21 0.00	41.64 2.10 0.00	39.62 2.24 0.00	39.27 2.29 0.00	38.72 2.39 -0.07	39.50 2.27 0.00	38.27 1.93 0.00	38.96 2.17 0.00	41.07 2.32 0.00	45.92 2.31 0.00	49.75 2.59 0.00	54.60 3.71 -0.01	59.58 3.69 0.00	59.06 3.24 0.00	56.64 2.95 0.00	51.09 2.76 0.00	45.51 2.04 0.00	41.18 1.96 0.00
CALPINE_BETH_PAGE_GT_4 323586	42.03 2.93 0.00	35.48 2.81 0.00	31.34 2.27 0.00	30.82 2.47 0.00	30.67 2.22 0.00	31.63 2.29 0.00	34.25 2.21 0.00	41.88 2.33 0.00	39.88 2.50 0.00	39.45 2.48 0.00	38.83 2.50 -0.07	39.51 2.27 0.00	39.03 2.69 0.00	39.11 2.32 0.00	41.19 2.44 0.00	46.18 2.57 0.00	50.08 2.92 0.00	54.80 3.92 -0.01	60.19 4.30 0.00	60.07 4.24 0.00	56.96 3.28 0.00	51.33 3.00 0.00	45.73 2.26 0.00	41.37 2.16 0.00
CALPINE_BP_GT1 23823	42.03 2.93 0.00	35.48 2.81 0.00	31.34 2.27 0.00	30.82 2.47 0.00	30.67 2.22 0.00	31.63 2.29 0.00	34.25 2.21 0.00	41.88 2.33 0.00	39.88 2.50 0.00	39.45 2.48 0.00	38.83 2.50 -0.07	39.51 2.27 0.00	39.03 2.69 0.00	39.11 2.32 0.00	41.19 2.44 0.00	46.18 2.57 0.00	50.08 2.92 0.00	54.80 3.92 -0.01	60.19 4.30 0.00	60.07 4.24 0.00	56.96 3.28 0.00	51.33 3.00 0.00	45.73 2.26 0.00	41.37 2.16 0.00
CALSPAN___DRP 24200	39.68 0.59 0.00	31.92 -0.75 0.00	28.81 -0.26 0.00	27.87 -0.48 0.00	28.05 -0.40 0.00	28.78 -0.56 0.00	31.05 -0.99 0.00	38.44 -1.11 0.00	36.03 -1.35 0.00	35.35 -1.63 0.00	34.88 -1.38 0.00	35.45 -1.79 0.00	34.71 -1.64 0.00	34.80 -1.99 0.00	36.42 -2.32 0.00	41.25 -2.35 0.00	44.47 -2.69 0.00	46.96 -3.92 0.00	51.58 -4.30 0.00	52.08 -3.74 0.00	50.04 -3.65 0.00	45.48 -2.85 0.00	40.95 -2.52 0.00	38.12 -1.10 0.00



CALVERTON___SOLAR 323806	42.11 3.01 0.00	35.71 3.04 0.00	31.54 2.47 0.00	31.10 2.75 0.00	30.87 2.42 0.00	31.81 2.46 0.00	34.42 2.37 0.00	42.16 2.61 0.00	40.25 2.88 0.00	39.75 2.77 0.00	38.96 2.68 -0.01	39.62 2.39 0.00	38.96 2.62 0.00	38.95 2.17 0.00	41.07 2.32 0.00	46.36 2.75 0.00	50.36 3.21 0.00	55.20 4.32 0.00	60.70 4.81 0.00	60.63 4.80 0.00	57.50 3.81 0.00	51.96 3.63 0.00	46.21 2.74 0.00	41.65 2.43 0.00
CANDIGU_WT_PWR 323617	39.76 0.66 0.00	32.48 -0.19 0.00	29.15 0.09 0.00	28.30 -0.06 0.00	28.54 0.09 0.00	29.25 -0.09 0.00	31.76 -0.29 0.00	39.23 -0.32 0.00	36.77 -0.60 0.00	36.24 -0.74 0.00	35.64 -0.62 0.00	36.49 -0.74 0.00	35.43 -0.91 0.00	35.68 -1.10 0.00	37.47 -1.28 0.00	42.26 -1.35 0.00	45.55 -1.60 0.00	48.69 -2.19 0.00	53.59 -2.29 0.00	54.43 -1.39 0.00	51.86 -1.83 0.00	46.79 -1.55 0.00	42.17 -1.30 0.00	38.71 -0.51 0.00
CARR STREET_E_SYR 24060	39.06 -0.04 0.00	32.44 -0.23 0.00	28.92 -0.14 0.00	28.18 -0.17 0.00	28.34 -0.11 0.00	29.17 -0.17 0.00	31.76 -0.29 0.00	38.95 -0.59 0.00	36.70 -0.67 0.00	36.35 -0.63 0.00	35.68 -0.58 0.00	36.60 -0.63 0.00	35.65 -0.69 0.00	36.09 -0.70 0.00	38.01 -0.74 0.00	42.82 -0.78 0.00	46.26 -0.90 0.00	49.76 -1.12 0.00	54.60 -1.28 0.00	54.76 -1.06 0.00	52.51 -1.18 0.00	47.32 -1.02 0.00	42.52 -0.96 0.00	38.51 -0.70 0.00
CARTHAGE___PAPER 23857	38.43 -0.66 0.00	32.05 -0.62 0.00	28.49 -0.58 0.00	27.76 -0.60 0.00	28.02 -0.43 0.00	28.81 -0.53 0.00	31.44 -0.61 0.00	38.84 -0.71 0.00	36.59 -0.79 0.00	36.13 -0.85 0.00	35.43 -0.83 0.00	36.23 -1.00 0.00	35.18 -1.16 0.00	35.65 -1.14 0.00	37.66 -1.08 0.00	42.52 -1.09 0.00	46.21 -0.94 0.00	49.91 -0.97 0.00	55.11 -0.78 0.00	55.27 -0.56 0.00	53.32 -0.37 0.00	48.14 -0.19 0.00	43.04 -0.43 0.00	38.67 -0.55 0.00
CASSADAGA_WT_PWR 323784	41.05 1.95 0.00	32.80 0.13 0.00	29.62 0.55 0.00	28.64 0.28 0.00	28.88 0.43 0.00	29.57 0.23 0.00	31.95 -0.10 0.00	39.59 0.04 0.00	37.11 -0.26 0.00	36.46 -0.52 0.00	35.97 -0.29 0.00	36.82 -0.41 0.00	35.72 -0.62 0.00	35.79 -0.99 0.00	37.51 -1.24 0.00	42.34 -1.27 0.00	45.60 -1.55 0.00	48.49 -2.39 0.00	53.26 -2.63 0.00	54.26 -1.56 0.00	51.59 -2.09 0.00	46.45 -1.89 0.00	41.95 -1.52 0.00	38.86 -0.35 0.00
CE_DUNWOOD___DRP 24194	41.60 2.50 0.00	34.86 2.19 0.00	30.90 1.83 0.00	30.25 1.90 0.00	30.24 1.79 0.00	31.16 1.82 0.00	33.81 1.76 0.00	41.45 1.90 0.00	39.39 2.02 0.00	39.01 2.03 0.00	38.18 1.92 0.00	39.36 2.12 0.00	38.49 2.14 0.00	39.10 2.32 0.00	41.31 2.56 0.00	46.36 2.75 0.00	50.17 3.02 0.00	54.75 3.87 0.00	60.02 4.14 0.00	59.45 3.63 0.00	57.02 3.33 0.00	51.09 2.76 0.00	45.82 2.35 0.00	41.22 2.00 0.00
CE_MILLWOOD___DRP 24193	41.52 2.42 0.00	34.79 2.12 0.00	30.84 1.77 0.00	30.20 1.84 0.00	30.19 1.74 0.00	31.13 1.79 0.00	33.74 1.70 0.00	41.37 1.82 0.00	39.32 1.94 0.00	38.93 1.96 0.00	38.11 1.85 0.00	39.28 2.05 0.00	38.41 2.07 0.00	39.03 2.24 0.00	41.23 2.48 0.00	46.27 2.66 0.00	50.08 2.92 0.00	54.64 3.77 0.00	59.91 4.02 0.00	59.40 3.57 0.00	56.96 3.28 0.00	51.04 2.71 0.00	45.78 2.30 0.00	41.14 1.92 0.00
CE_NYC2_DRP 24202	42.08 2.97 -0.01	35.23 2.55 -0.01	31.23 2.15 -0.01	30.57 2.21 -0.01	30.56 2.11 -0.01	31.42 2.08 0.00	34.03 1.99 0.00	41.72 2.18 0.00	39.69 2.32 0.00	39.34 2.37 0.00	38.51 2.25 0.00	39.73 2.49 0.00	38.85 2.51 0.00	39.47 2.69 0.00	41.65 2.91 0.00	46.79 3.18 0.00	50.59 3.44 0.00	53.81 4.43 1.49	60.47 4.58 0.00	59.79 3.96 0.00	57.29 3.60 0.00	51.33 3.00 0.00	46.12 2.65 0.00	41.57 2.35 0.00
CE_NYC_DRP 24195	41.99 2.89 0.00	35.15 2.48 0.00	31.16 2.09 0.00	30.51 2.15 0.00	30.50 2.05 0.00	31.42 2.08 0.00	34.06 2.02 0.00	41.76 2.21 0.00	39.73 2.35 0.00	39.38 2.40 0.00	38.51 2.25 0.00	39.73 2.49 0.00	38.88 2.54 0.00	39.33 2.72 0.18	41.41 2.98 0.32	46.84 3.23 0.00	50.59 3.44 0.00	55.31 4.43 0.00	60.53 4.64 0.00	59.84 4.02 0.00	57.34 3.65 0.00	51.43 3.09 0.00	46.12 2.65 0.00	41.49 2.27 0.00
CHAFFEE___LFGE 323603	39.80 0.70 0.00	31.95 -0.72 0.00	28.83 -0.23 0.00	27.90 -0.45 0.00	28.14 -0.31 0.00	28.81 -0.53 0.00	31.08 -0.96 0.00	38.48 -1.07 0.00	36.06 -1.31 0.00	35.42 -1.55 0.00	34.96 -1.30 0.00	35.82 -1.41 0.00	34.74 -1.60 0.00	34.84 -1.95 0.00	36.50 -2.25 0.00	41.21 -2.40 0.00	44.37 -2.78 0.00	47.11 -3.76 0.00	51.75 -4.14 0.00	52.70 -3.13 0.00	50.20 -3.49 0.00	45.29 -3.04 0.00	41.00 -2.48 0.00	38.12 -1.10 0.00
CHATEAUG_35_KV_LOAD 355732	37.73 -1.37 0.00	31.82 -0.85 0.00	28.37 -0.70 0.00	27.70 -0.65 0.00	27.88 -0.57 0.00	28.72 -0.62 0.00	31.69 -0.35 0.00	39.82 0.28 0.00	37.71 0.34 0.00	37.38 0.41 0.00	36.66 0.40 0.00	37.64 0.41 0.00	36.70 0.36 0.00	37.19 0.40 0.00	39.14 0.39 0.00	44.13 0.52 0.00	47.62 0.47 0.00	51.34 0.46 0.00	56.28 0.39 0.00	56.27 0.45 0.00	54.17 0.48 0.00	48.96 0.63 0.00	44.21 0.74 0.00	39.69 0.47 0.00
CHATEAUG_WT_PWR 323614	37.77 -1.33 0.00	31.82 -0.85 0.00	28.37 -0.70 0.00	27.76 -0.60 0.00	27.88 -0.57 0.00	28.75 -0.59 0.00	31.69 -0.35 0.00	39.83 0.28 0.00	37.67 0.30 0.00	37.38 0.41 0.00	36.66 0.40 0.00	37.64 0.41 0.00	36.74 0.40 0.00	37.19 0.41 0.00	39.14 0.39 0.00	44.04 0.44 0.00	47.53 0.38 0.00	51.28 0.41 0.00	55.94 0.06 0.00	55.60 -0.22 0.00	54.07 0.38 0.00	48.87 0.53 0.00	44.08 0.61 0.00	39.65 0.43 0.00
CHAT_HIGH_FALL_HYD 323578	37.73 -1.37 0.00	31.82 -0.85 0.00	28.37 -0.70 0.00	27.70 -0.65 0.00	27.88 -0.57 0.00	28.72 -0.62 0.00	31.69 -0.35 0.00	39.82 0.28 0.00	37.71 0.34 0.00	37.38 0.41 0.00	36.66 0.40 0.00	37.64 0.41 0.00	36.70 0.36 0.00	37.19 0.40 0.00	39.14 0.39 0.00	44.13 0.52 0.00	47.62 0.47 0.00	51.34 0.46 0.00	56.28 0.39 0.00	56.27 0.45 0.00	54.17 0.48 0.00	48.96 0.63 0.00	44.21 0.74 0.00	39.69 0.47 0.00
CHAUTAUQUA___LFGE 323629	40.47 1.37 0.00	32.51 -0.16 0.00	29.33 0.26 0.00	28.38 0.03 0.00	28.59 0.14 0.00	29.28 -0.06 0.00	31.63 -0.42 0.00	39.19 -0.36 0.00	36.70 -0.67 0.00	36.05 -0.92 0.00	35.57 -0.69 0.00	36.41 -0.82 0.00	35.32 -1.02 0.00	35.43 -1.36 0.00	37.12 -1.63 0.00	41.91 -1.70 0.00	45.08 -2.07 0.00	47.93 -2.95 0.00	52.70 -3.18 0.00	53.70 -2.12 0.00	51.06 -2.63 0.00	46.02 -2.32 0.00	41.56 -1.91 0.00	38.59 -0.63 0.00
CHERRYST_13_KV_LD 356241	42.11 3.01 0.00	35.25 2.58 0.00	31.25 2.18 0.00	30.59 2.24 0.00	30.58 2.13 0.00	31.48 2.14 0.00	34.16 2.11 0.00	41.88 2.33 0.00	39.84 2.47 0.00	39.49 2.51 0.00	38.62 2.36 0.00	39.84 2.61 0.00	39.03 2.69 0.00	39.66 2.87 0.00	41.85 3.10 0.00	46.97 3.36 0.00	50.78 3.63 0.00	55.51 4.63 0.00	60.69 4.81 0.00	60.01 4.19 0.00	57.50 3.81 0.00	51.57 3.24 0.00	46.25 2.78 0.00	41.61 2.39 0.00



CHESTROR_138KV_BK263 355645	41.29 2.19 0.00	34.60 1.93 0.00	30.67 1.60 0.00	30.00 1.64 0.00	30.01 1.56 0.00	30.95 1.61 0.00	33.58 1.54 0.00	41.17 1.62 0.00	39.09 1.72 0.00	38.68 1.70 0.00	37.86 1.60 0.00	38.98 1.75 0.00	38.12 1.78 0.00	38.70 1.91 0.00	40.88 2.13 0.00	45.83 2.22 0.00	49.60 2.45 0.00	54.08 3.21 0.00	59.30 3.41 0.00	58.95 3.13 0.00	56.53 2.85 0.00	50.70 2.37 0.00	45.47 2.00 0.00	40.90 1.69 0.00
CH_MIDHUDSON___DRP 24192	41.33 2.23 0.00	34.66 1.99 0.00	30.69 1.63 0.00	30.05 1.70 0.00	30.07 1.62 0.00	31.01 1.67 0.00	33.62 1.57 0.00	41.17 1.62 0.00	39.09 1.72 0.00	38.68 1.70 0.00	37.82 1.56 0.00	38.95 1.71 0.00	38.09 1.74 0.00	38.66 1.88 0.00	40.88 2.13 0.00	45.75 2.14 0.00	49.56 2.40 0.00	54.03 3.15 0.00	59.30 3.41 0.00	59.01 3.18 0.00	56.64 2.95 0.00	50.75 2.42 0.00	45.56 2.09 0.00	40.94 1.73 0.00
CH_MISC_IPPS 23765	41.56 2.46 0.00	34.86 2.19 0.00	30.87 1.80 0.00	30.20 1.84 0.00	30.19 1.74 0.00	31.13 1.79 0.00	33.77 1.73 0.00	41.45 1.90 0.00	39.39 2.02 0.00	38.93 1.96 0.00	38.07 1.81 0.00	39.09 1.86 0.00	38.34 2.00 0.00	38.85 2.06 0.00	41.07 2.32 0.00	45.96 2.35 0.00	49.79 2.64 0.00	54.18 3.31 0.00	59.74 3.85 0.00	59.79 3.96 0.00	56.86 3.17 0.00	51.04 2.71 0.00	45.77 2.30 0.00	41.14 1.92 0.00
CH_RES_BVR_FALLS 23983	38.16 -0.94 0.00	32.05 -0.62 0.00	28.54 -0.52 0.00	27.84 -0.51 0.00	27.94 -0.51 0.00	28.81 -0.53 0.00	31.63 -0.42 0.00	39.43 -0.12 0.00	37.30 -0.07 0.00	36.94 -0.04 0.00	36.22 -0.04 0.00	37.20 -0.04 0.00	36.27 -0.07 0.00	36.75 -0.04 0.00	38.67 -0.08 0.00	43.52 -0.09 0.00	46.96 -0.19 0.00	50.63 -0.25 0.00	55.38 -0.50 0.00	55.16 -0.67 0.00	53.42 -0.27 0.00	48.19 -0.14 0.00	43.43 -0.04 0.00	39.10 -0.12 0.00
CH_RES_NIAGARA 23895	38.63 -0.47 0.00	31.20 -1.47 0.00	28.14 -0.93 0.00	27.25 -1.11 0.00	27.40 -1.05 0.00	28.11 -1.23 0.00	30.31 -1.73 0.00	37.49 -2.06 0.00	35.13 -2.24 0.00	34.42 -2.55 0.00	33.98 -2.28 0.00	34.52 -2.72 0.00	33.87 -2.47 0.00	33.92 -2.87 0.00	35.49 -3.25 0.00	40.16 -3.45 0.00	43.24 -3.91 0.00	45.54 -5.34 0.00	50.02 -5.87 0.00	50.52 -5.30 0.00	48.54 -5.15 0.00	44.23 -4.11 0.00	39.86 -3.61 0.00	37.33 -1.88 0.00
CH_RES_SYRACUSE 23985	39.18 0.08 0.00	32.57 -0.10 0.00	29.04 -0.03 0.00	28.27 -0.08 0.00	28.45 0.00 0.00	29.25 -0.09 0.00	31.92 -0.13 0.00	39.15 -0.40 0.00	36.85 -0.52 0.00	36.49 -0.48 0.00	35.86 -0.40 0.00	36.79 -0.45 0.00	35.80 -0.54 0.00	36.24 -0.55 0.00	38.17 -0.58 0.00	43.00 -0.61 0.00	46.45 -0.71 0.00	50.01 -0.87 0.00	54.94 -0.95 0.00	55.10 -0.73 0.00	52.83 -0.86 0.00	47.61 -0.72 0.00	42.77 -0.70 0.00	38.71 -0.51 0.00
CLINTON_WT_PWR 323605	37.77 -1.33 0.00	31.82 -0.85 0.00	28.37 -0.70 0.00	27.76 -0.60 0.00	27.88 -0.57 0.00	28.75 -0.59 0.00	31.69 -0.35 0.00	39.83 0.28 0.00	37.67 0.30 0.00	37.38 0.41 0.00	36.66 0.40 0.00	37.64 0.41 0.00	36.74 0.40 0.00	37.19 0.41 0.00	39.14 0.39 0.00	44.04 0.44 0.00	47.53 0.38 0.00	51.28 0.41 0.00	55.94 0.06 0.00	55.60 -0.22 0.00	54.07 0.38 0.00	48.87 0.53 0.00	44.08 0.61 0.00	39.65 0.43 0.00
CLINTON___LFGE 323618	38.32 -0.78 0.00	32.31 -0.36 0.00	28.80 -0.26 0.00	28.16 -0.20 0.00	28.28 -0.17 0.00	29.10 -0.24 0.00	32.08 0.03 0.00	40.34 0.79 0.00	38.20 0.82 0.00	37.90 0.92 0.00	37.17 0.91 0.00	38.16 0.93 0.00	37.21 0.87 0.00	37.67 0.88 0.00	39.64 0.89 0.00	44.61 1.00 0.00	48.14 0.99 0.00	51.95 1.07 0.00	56.67 0.78 0.00	56.33 0.50 0.00	54.82 1.13 0.00	49.59 1.25 0.00	44.69 1.22 0.00	40.16 0.94 0.00
COBBLENY_34_KV_TB1 80064	39.76 0.66 0.00	31.95 -0.72 0.00	28.83 -0.23 0.00	27.90 -0.45 0.00	28.05 -0.40 0.00	28.81 -0.53 0.00	31.08 -0.96 0.00	38.52 -1.03 0.00	36.10 -1.27 0.00	35.42 -1.55 0.00	34.95 -1.31 0.00	35.56 -1.68 0.00	34.78 -1.56 0.00	34.87 -1.91 0.00	36.50 -2.25 0.00	41.34 -2.27 0.00	44.56 -2.59 0.00	47.11 -3.77 0.00	51.70 -4.19 0.00	52.20 -3.63 0.00	50.20 -3.49 0.00	45.63 -2.71 0.00	41.04 -2.43 0.00	38.20 -1.02 0.00
COFFEEN___115KV_TB3 355620	38.94 -0.16 0.00	32.41 -0.26 0.00	28.83 -0.23 0.00	28.07 -0.28 0.00	28.39 -0.06 0.00	29.16 -0.18 0.00	31.76 -0.29 0.00	39.07 -0.47 0.00	36.81 -0.56 0.00	36.31 -0.67 0.00	35.64 -0.62 0.00	36.38 -0.86 0.00	35.29 -1.05 0.00	35.72 -1.07 0.00	37.78 -0.97 0.00	42.82 -0.78 0.00	46.59 -0.57 0.00	50.17 -0.71 0.00	55.55 -0.34 0.00	55.88 0.06 0.00	53.85 0.16 0.00	48.62 0.29 0.00	43.30 -0.17 0.00	38.98 -0.24 0.00
COLDSPRG_115KV_BK1 355956	40.97 1.88 0.00	32.77 0.10 0.00	29.59 0.52 0.00	28.64 0.28 0.00	28.79 0.34 0.00	29.55 0.21 0.00	31.95 -0.10 0.00	39.63 0.08 0.00	37.19 -0.19 0.00	36.42 -0.55 0.00	35.97 -0.29 0.00	36.60 -0.63 0.00	35.76 -0.58 0.00	35.87 -0.92 0.00	37.55 -1.20 0.00	42.52 -1.09 0.00	45.88 -1.27 0.00	48.64 -2.24 0.00	53.37 -2.51 0.00	53.87 -1.95 0.00	51.76 -1.93 0.00	46.88 -1.45 0.00	42.08 -1.39 0.00	38.98 -0.24 0.00
COLONIE_LFGE___ 323577	40.66 1.57 0.00	34.04 1.37 0.00	30.23 1.16 0.00	29.52 1.16 0.00	29.56 1.11 0.00	30.60 1.26 0.00	33.20 1.15 0.00	40.73 1.19 0.00	38.49 1.12 0.00	38.08 1.11 0.00	37.27 1.01 0.00	38.31 1.08 0.00	37.50 1.16 0.00	38.00 1.21 0.00	40.07 1.32 0.00	45.13 1.53 0.00	48.94 1.79 0.00	52.86 1.98 0.00	58.52 2.63 0.00	58.39 2.57 0.00	55.89 2.20 0.00	50.12 1.79 0.00	45.08 1.61 0.00	40.47 1.25 0.00
COOPERNY_115KV_TB1 80082	41.05 1.95 0.00	34.40 1.73 0.00	30.49 1.42 0.00	29.83 1.47 0.00	29.87 1.42 0.00	30.78 1.44 0.00	33.42 1.38 0.00	41.01 1.46 0.00	38.94 1.57 0.00	38.53 1.55 0.00	37.71 1.45 0.00	38.83 1.60 0.00	37.94 1.60 0.00	38.52 1.73 0.00	40.69 1.94 0.00	45.66 2.05 0.00	49.42 2.26 0.00	53.78 2.90 0.00	59.02 3.13 0.00	58.67 2.85 0.00	56.27 2.58 0.00	50.51 2.18 0.00	45.30 1.83 0.00	40.75 1.53 0.00
COPENHAGEN_WT_PWR 323753	38.78 -0.31 0.00	32.24 -0.43 0.00	28.69 -0.38 0.00	27.96 -0.40 0.00	28.22 -0.23 0.00	29.02 -0.32 0.00	31.60 -0.45 0.00	38.87 -0.67 0.00	36.63 -0.75 0.00	36.16 -0.81 0.00	35.50 -0.76 0.00	36.27 -0.97 0.00	35.21 -1.13 0.00	35.68 -1.10 0.00	37.70 -1.04 0.00	42.61 -1.00 0.00	46.31 -0.85 0.00	49.91 -0.97 0.00	55.16 -0.73 0.00	55.49 -0.33 0.00	53.42 -0.27 0.00	48.19 -0.14 0.00	43.04 -0.43 0.00	38.75 -0.47 0.00
CORNELL_____ 23752	40.08 0.98 0.00	33.19 0.52 0.00	29.59 0.52 0.00	28.81 0.45 0.00	29.02 0.57 0.00	29.84 0.50 0.00	32.53 0.48 0.00	40.02 0.47 0.00	37.67 0.30 0.00	37.23 0.26 0.00	36.55 0.29 0.00	37.38 0.15 0.00	36.41 0.07 0.00	36.79 0.00 0.00	38.75 0.00 0.00	43.78 0.17 0.00	47.39 0.24 0.00	50.93 0.05 0.00	56.06 0.17 0.00	56.22 0.39 0.00	54.07 0.38 0.00	48.77 0.44 0.00	43.73 0.26 0.00	39.61 0.39 0.00



CORONA__69_KV_TB1 355595	42.30 3.21 0.00	35.55 2.88 0.00	31.36 2.30 0.00	30.85 2.50 0.00	30.70 2.25 0.00	31.63 2.29 0.00	34.29 2.24 0.00	41.80 2.25 0.00	39.84 2.47 0.00	39.45 2.48 0.00	39.13 2.57 -0.30	39.73 2.49 0.00	38.67 2.29 -0.04	39.32 2.50 -0.04	41.46 2.71 0.00	46.53 2.92 0.00	50.36 3.21 0.00	55.31 4.38 -0.06	60.30 4.42 0.00	59.79 3.96 0.00	57.34 3.65 0.00	51.62 3.29 0.00	46.08 2.61 0.00	41.53 2.31 0.00
CORTLAND__115KV_TB3 80093	39.72 0.63 0.00	32.96 0.29 0.00	29.39 0.32 0.00	28.61 0.26 0.00	28.79 0.34 0.00	29.63 0.29 0.00	32.27 0.22 0.00	39.71 0.16 0.00	37.37 0.00 0.00	36.97 0.00 0.00	36.30 0.04 0.00	37.16 -0.07 0.00	36.20 -0.15 0.00	36.60 -0.18 0.00	38.55 -0.19 0.00	43.52 -0.09 0.00	47.06 -0.09 0.00	50.62 -0.25 0.00	55.66 -0.22 0.00	55.71 -0.11 0.00	53.58 -0.11 0.00	48.33 0.00 0.00	43.38 -0.09 0.00	39.26 0.04 0.00
COXSACKIE__GT 23611	41.21 2.11 0.00	34.50 1.83 0.00	30.55 1.48 0.00	29.83 1.47 0.00	29.87 1.42 0.00	30.84 1.50 0.00	33.52 1.47 0.00	41.09 1.54 0.00	38.83 1.46 0.00	38.23 1.26 0.00	37.17 0.91 0.00	38.02 0.78 0.00	37.18 0.84 0.00	37.71 0.92 0.00	39.87 1.12 0.00	44.39 0.79 0.00	48.19 1.04 0.00	52.30 1.42 0.00	57.73 1.84 0.00	58.34 2.51 0.00	55.84 2.15 0.00	50.22 1.88 0.00	45.17 1.69 0.00	40.59 1.37 0.00
CPV_VALLEY__CC1 323721	41.17 2.07 0.00	34.50 1.83 0.00	30.58 1.51 0.00	29.91 1.56 0.00	29.93 1.48 0.00	30.87 1.52 0.00	33.52 1.47 0.00	41.21 1.66 0.00	39.13 1.76 0.00	38.68 1.70 0.00	37.89 1.63 0.00	38.95 1.71 0.00	38.16 1.82 0.00	38.66 1.88 0.00	40.80 2.05 0.00	45.83 2.22 0.00	49.56 2.40 0.00	53.93 3.05 0.00	59.41 3.52 0.00	59.29 3.46 0.00	56.43 2.74 0.00	50.61 2.27 0.00	45.38 1.91 0.00	40.86 1.65 0.00
CPV_VALLEY__CC2 323722	41.17 2.07 0.00	34.50 1.83 0.00	30.58 1.51 0.00	29.91 1.56 0.00	29.93 1.48 0.00	30.87 1.52 0.00	33.52 1.47 0.00	41.21 1.66 0.00	39.13 1.76 0.00	38.68 1.70 0.00	37.89 1.63 0.00	38.95 1.71 0.00	38.16 1.82 0.00	38.66 1.88 0.00	40.80 2.05 0.00	45.83 2.22 0.00	49.56 2.40 0.00	53.93 3.05 0.00	59.41 3.52 0.00	59.29 3.46 0.00	56.43 2.74 0.00	50.61 2.27 0.00	45.38 1.91 0.00	40.86 1.65 0.00
CRESCENT__HYD 24018	40.66 1.57 0.00	34.04 1.37 0.00	30.23 1.16 0.00	29.52 1.16 0.00	29.56 1.11 0.00	30.60 1.26 0.00	33.20 1.15 0.00	40.73 1.19 0.00	38.49 1.12 0.00	38.08 1.11 0.00	37.27 1.01 0.00	38.31 1.08 0.00	37.50 1.16 0.00	38.00 1.21 0.00	40.07 1.32 0.00	45.13 1.53 0.00	48.94 1.79 0.00	52.86 1.98 0.00	58.52 2.63 0.00	58.39 2.57 0.00	55.89 2.20 0.00	50.12 1.79 0.00	45.08 1.61 0.00	40.47 1.25 0.00
CRICKET__VALLEY_CC1 323756	40.90 1.80 0.00	34.30 1.63 0.00	30.40 1.34 0.00	29.74 1.39 0.00	29.76 1.31 0.00	30.78 1.44 0.00	33.29 1.25 0.00	40.89 1.35 0.00	38.76 1.38 0.00	38.34 1.37 0.00	37.49 1.23 0.00	38.54 1.30 0.00	37.76 1.42 0.00	38.26 1.47 0.00	40.41 1.67 0.00	45.40 1.79 0.00	49.18 2.03 0.00	53.47 2.59 0.00	59.13 3.24 0.00	58.95 3.12 0.00	56.16 2.47 0.00	50.36 2.03 0.00	45.21 1.74 0.00	40.59 1.37 0.00
CRICKET__VALLEY_CC2 323757	40.90 1.80 0.00	34.30 1.63 0.00	30.40 1.34 0.00	29.74 1.39 0.00	29.76 1.31 0.00	30.78 1.44 0.00	33.29 1.25 0.00	40.89 1.35 0.00	38.76 1.38 0.00	38.34 1.37 0.00	37.49 1.23 0.00	38.54 1.30 0.00	37.76 1.42 0.00	38.26 1.47 0.00	40.41 1.67 0.00	45.40 1.79 0.00	49.18 2.03 0.00	53.47 2.59 0.00	59.13 3.24 0.00	58.95 3.12 0.00	56.16 2.47 0.00	50.36 2.03 0.00	45.21 1.74 0.00	40.59 1.37 0.00
CRICKET__VALLEY_CC3 323758	40.90 1.80 0.00	34.30 1.63 0.00	30.40 1.34 0.00	29.74 1.39 0.00	29.76 1.31 0.00	30.78 1.44 0.00	33.29 1.25 0.00	40.89 1.35 0.00	38.76 1.38 0.00	38.34 1.37 0.00	37.49 1.23 0.00	38.54 1.30 0.00	37.76 1.42 0.00	38.26 1.47 0.00	40.41 1.67 0.00	45.40 1.79 0.00	49.18 2.03 0.00	53.47 2.59 0.00	59.13 3.24 0.00	58.95 3.12 0.00	56.16 2.47 0.00	50.36 2.03 0.00	45.21 1.74 0.00	40.59 1.37 0.00
CRUCIBLE__METL_DRP 24180	39.18 0.08 0.00	32.57 -0.10 0.00	29.04 -0.03 0.00	28.27 -0.09 0.00	28.42 -0.03 0.00	29.25 -0.09 0.00	31.92 -0.13 0.00	39.19 -0.36 0.00	36.93 -0.45 0.00	36.57 -0.41 0.00	35.90 -0.36 0.00	36.79 -0.45 0.00	35.87 -0.47 0.00	36.27 -0.52 0.00	38.17 -0.58 0.00	43.04 -0.57 0.00	46.49 -0.66 0.00	50.01 -0.86 0.00	54.88 -1.01 0.00	54.93 -0.89 0.00	52.83 -0.86 0.00	47.66 -0.68 0.00	42.78 -0.70 0.00	38.71 -0.51 0.00
DAHOWA__HYDRO 323763	41.25 2.15 0.00	34.50 1.83 0.00	30.64 1.57 0.00	29.88 1.53 0.00	29.93 1.48 0.00	30.95 1.61 0.00	33.65 1.60 0.00	41.25 1.70 0.00	38.94 1.57 0.00	38.49 1.52 0.00	37.75 1.49 0.00	38.72 1.49 0.00	38.09 1.74 0.00	38.59 1.80 0.00	40.76 2.01 0.00	45.96 2.35 0.00	49.89 2.73 0.00	53.52 2.64 0.00	59.24 3.35 0.00	59.23 3.41 0.00	56.80 3.11 0.00	50.80 2.46 0.00	45.69 2.22 0.00	41.06 1.84 0.00
DANC__LFGE 323619	38.71 -0.39 0.00	32.21 -0.46 0.00	28.66 -0.41 0.00	27.93 -0.42 0.00	28.17 -0.28 0.00	28.96 -0.38 0.00	31.53 -0.51 0.00	38.71 -0.83 0.00	36.48 -0.90 0.00	36.09 -0.89 0.00	35.43 -0.83 0.00	36.27 -0.97 0.00	35.25 -1.09 0.00	35.68 -1.10 0.00	37.66 -1.08 0.00	42.52 -1.09 0.00	46.12 -1.04 0.00	49.66 -1.22 0.00	54.77 -1.12 0.00	54.99 -0.84 0.00	52.89 -0.80 0.00	47.70 -0.63 0.00	42.69 -0.78 0.00	38.51 -0.70 0.00
DANSKAMMER__1 23586	41.56 2.46 0.00	34.86 2.19 0.00	30.87 1.80 0.00	30.20 1.84 0.00	30.19 1.74 0.00	31.13 1.79 0.00	33.77 1.73 0.00	41.45 1.90 0.00	39.39 2.02 0.00	38.93 1.96 0.00	38.07 1.81 0.00	39.09 1.86 0.00	38.34 2.00 0.00	38.85 2.06 0.00	41.07 2.32 0.00	45.96 2.35 0.00	49.79 2.64 0.00	54.18 3.31 0.00	59.74 3.85 0.00	59.79 3.96 0.00	56.86 3.17 0.00	51.04 2.71 0.00	45.77 2.30 0.00	41.14 1.92 0.00
DANSKAMMER__2 23589	41.56 2.46 0.00	34.86 2.19 0.00	30.87 1.80 0.00	30.20 1.84 0.00	30.19 1.74 0.00	31.13 1.79 0.00	33.77 1.73 0.00	41.45 1.90 0.00	39.39 2.02 0.00	38.93 1.96 0.00	38.07 1.81 0.00	39.09 1.86 0.00	38.34 2.00 0.00	38.85 2.06 0.00	41.07 2.32 0.00	45.96 2.35 0.00	49.79 2.64 0.00	54.18 3.31 0.00	59.74 3.85 0.00	59.79 3.96 0.00	56.86 3.17 0.00	51.04 2.71 0.00	45.77 2.30 0.00	41.14 1.92 0.00
DANSKAMMER__3 23590	41.56 2.46 0.00	34.86 2.19 0.00	30.87 1.80 0.00	30.20 1.84 0.00	30.19 1.74 0.00	31.13 1.79 0.00	33.77 1.73 0.00	41.45 1.90 0.00	39.39 2.02 0.00	38.93 1.96 0.00	38.07 1.81 0.00	39.09 1.86 0.00	38.34 2.00 0.00	38.85 2.06 0.00	41.07 2.32 0.00	45.96 2.35 0.00	49.79 2.64 0.00	54.18 3.31 0.00	59.74 3.85 0.00	59.79 3.96 0.00	56.86 3.17 0.00	51.04 2.71 0.00	45.77 2.30 0.00	41.14 1.92 0.00



DANSKAMMER___4 23591	41.56 2.46 0.00	34.86 2.19 0.00	30.87 1.80 0.00	30.20 1.84 0.00	30.19 1.74 0.00	31.13 1.79 0.00	33.77 1.73 0.00	41.45 1.90 0.00	39.39 2.02 0.00	38.93 1.96 0.00	38.07 1.81 0.00	39.09 1.86 0.00	38.34 2.00 0.00	38.85 2.06 0.00	41.07 2.32 0.00	45.96 2.35 0.00	49.79 2.64 0.00	54.18 3.31 0.00	59.74 3.85 0.00	59.79 3.96 0.00	56.86 3.17 0.00	51.04 2.71 0.00	45.77 2.30 0.00	41.14 1.92 0.00
DANSKAMMER___DIESEL 23592	41.56 2.46 0.00	34.86 2.19 0.00	30.87 1.80 0.00	30.20 1.84 0.00	30.21 1.76 0.00	31.13 1.79 0.00	33.78 1.73 0.00	41.33 1.78 0.00	39.28 1.91 0.00	38.86 1.89 0.00	37.96 1.70 0.00	39.10 1.86 0.00	38.23 1.89 0.00	38.85 2.06 0.00	41.07 2.32 0.00	45.92 2.31 0.00	49.75 2.59 0.00	54.29 3.41 0.00	59.52 3.63 0.00	59.29 3.46 0.00	56.91 3.22 0.00	50.99 2.66 0.00	45.78 2.30 0.00	41.14 1.92 0.00
DARBY___SOLAR 323810	41.13 2.03 0.00	34.40 1.73 0.00	30.55 1.48 0.00	29.83 1.47 0.00	29.87 1.42 0.00	30.89 1.55 0.00	33.55 1.51 0.00	41.13 1.58 0.00	38.83 1.46 0.00	38.38 1.40 0.00	37.60 1.34 0.00	38.61 1.38 0.00	37.98 1.64 0.00	38.48 1.69 0.00	40.61 1.86 0.00	45.83 2.22 0.00	49.74 2.59 0.00	53.42 2.54 0.00	59.07 3.18 0.00	59.06 3.24 0.00	56.59 2.90 0.00	50.65 2.32 0.00	45.56 2.09 0.00	40.94 1.72 0.00
DASHVILLE___HYD 23610	41.21 2.11 0.00	34.57 1.89 0.00	30.61 1.54 0.00	29.94 1.59 0.00	29.96 1.51 0.00	30.87 1.53 0.00	33.49 1.44 0.00	40.97 1.42 0.00	38.91 1.53 0.00	38.45 1.48 0.00	37.56 1.31 0.00	38.65 1.41 0.00	37.80 1.45 0.00	38.40 1.62 0.00	40.61 1.86 0.00	45.40 1.79 0.00	49.13 1.98 0.00	53.63 2.75 0.00	58.85 2.96 0.00	58.62 2.79 0.00	56.27 2.58 0.00	50.51 2.18 0.00	45.34 1.87 0.00	40.75 1.53 0.00
DELAWARE___LFGE 323621	40.23 1.13 0.00	33.52 0.85 0.00	29.82 0.76 0.00	29.09 0.74 0.00	29.22 0.77 0.00	30.10 0.76 0.00	32.75 0.70 0.00	40.26 0.71 0.00	38.05 0.67 0.00	37.57 0.59 0.00	36.91 0.65 0.00	37.83 0.60 0.00	36.89 0.55 0.00	37.34 0.55 0.00	39.41 0.66 0.00	44.39 0.78 0.00	48.05 0.90 0.00	51.69 0.81 0.00	56.89 1.01 0.00	56.83 1.00 0.00	54.60 0.91 0.00	49.20 0.87 0.00	44.21 0.74 0.00	39.92 0.71 0.00
DERFIELD_115KV_TB7 355931	39.25 0.16 0.00	32.80 0.13 0.00	29.15 0.09 0.00	28.47 0.11 0.00	28.56 0.11 0.00	29.46 0.12 0.00	32.11 0.06 0.00	39.51 -0.04 0.00	37.34 -0.04 0.00	36.94 -0.04 0.00	36.22 -0.04 0.00	37.20 -0.04 0.00	36.31 -0.04 0.00	36.75 -0.04 0.00	38.71 -0.04 0.00	43.56 -0.04 0.00	47.15 0.00 0.00	50.88 0.00 0.00	55.94 0.06 0.00	55.88 0.06 0.00	53.74 0.05 0.00	48.33 0.00 0.00	43.43 -0.04 0.00	39.18 -0.04 0.00
DOGLEVILLE___HYD 23807	39.33 0.23 0.00	32.87 0.20 0.00	29.24 0.17 0.00	28.55 0.20 0.00	28.68 0.23 0.00	29.58 0.23 0.00	32.27 0.22 0.00	39.71 0.16 0.00	37.52 0.15 0.00	37.12 0.15 0.00	36.44 0.18 0.00	37.38 0.15 0.00	36.45 0.11 0.00	36.90 0.11 0.00	38.86 0.12 0.00	43.78 0.17 0.00	47.34 0.19 0.00	51.03 0.15 0.00	56.11 0.22 0.00	56.10 0.28 0.00	53.96 0.27 0.00	48.58 0.24 0.00	43.65 0.17 0.00	39.37 0.16 0.00
DUNKIRK___115KV_TB_200 55889	40.39 1.29 0.00	32.44 -0.23 0.00	29.27 0.20 0.00	28.32 -0.03 0.00	28.51 0.06 0.00	29.25 -0.09 0.00	31.60 -0.45 0.00	39.15 -0.40 0.00	36.70 -0.67 0.00	35.94 -1.04 0.00	35.50 -0.76 0.00	36.12 -1.12 0.00	35.32 -1.02 0.00	35.39 -1.40 0.00	37.08 -1.67 0.00	41.95 -1.66 0.00	45.22 -1.93 0.00	47.88 -3.00 0.00	52.59 -3.30 0.00	53.09 -2.74 0.00	51.00 -2.68 0.00	46.26 -2.08 0.00	41.56 -1.91 0.00	38.63 -0.59 0.00
DUNKIRK___1 23563	40.39 1.29 0.00	32.44 -0.23 0.00	29.27 0.20 0.00	28.32 -0.03 0.00	28.51 0.06 0.00	29.25 -0.09 0.00	31.60 -0.45 0.00	39.15 -0.40 0.00	36.70 -0.67 0.00	35.94 -1.04 0.00	35.50 -0.76 0.00	36.12 -1.12 0.00	35.32 -1.02 0.00	35.39 -1.40 0.00	37.08 -1.67 0.00	41.95 -1.66 0.00	45.22 -1.93 0.00	47.88 -3.00 0.00	52.59 -3.30 0.00	53.09 -2.74 0.00	51.00 -2.68 0.00	46.26 -2.08 0.00	41.56 -1.91 0.00	38.63 -0.59 0.00
DUNKIRK___2 23564	40.39 1.29 0.00	32.44 -0.23 0.00	29.27 0.20 0.00	28.32 -0.03 0.00	28.51 0.06 0.00	29.25 -0.09 0.00	31.60 -0.45 0.00	39.15 -0.40 0.00	36.70 -0.67 0.00	35.94 -1.04 0.00	35.50 -0.76 0.00	36.12 -1.12 0.00	35.32 -1.02 0.00	35.39 -1.40 0.00	37.08 -1.67 0.00	41.95 -1.66 0.00	45.22 -1.93 0.00	47.88 -3.00 0.00	52.59 -3.30 0.00	53.09 -2.74 0.00	51.00 -2.68 0.00	46.26 -2.08 0.00	41.56 -1.91 0.00	38.63 -0.59 0.00
DUNKIRK___3 23565	40.04 0.94 0.00	32.21 -0.46 0.00	29.07 0.00 0.00	28.13 -0.23 0.00	28.28 -0.17 0.00	29.05 -0.29 0.00	31.37 -0.67 0.00	38.87 -0.67 0.00	36.44 -0.93 0.00	35.68 -1.29 0.00	35.24 -1.02 0.00	35.86 -1.38 0.00	35.07 -1.27 0.00	35.17 -1.62 0.00	36.81 -1.94 0.00	41.69 -1.92 0.00	44.94 -2.22 0.00	47.57 -3.31 0.00	52.20 -3.69 0.00	52.75 -3.07 0.00	50.68 -3.01 0.00	45.97 -2.37 0.00	41.34 -2.13 0.00	38.39 -0.82 0.00
DUNKIRK___4 23566	40.04 0.94 0.00	32.21 -0.46 0.00	29.07 0.00 0.00	28.13 -0.23 0.00	28.28 -0.17 0.00	29.05 -0.29 0.00	31.37 -0.67 0.00	38.87 -0.67 0.00	36.44 -0.93 0.00	35.68 -1.29 0.00	35.24 -1.02 0.00	35.86 -1.38 0.00	35.07 -1.27 0.00	35.17 -1.62 0.00	36.81 -1.94 0.00	41.69 -1.92 0.00	44.94 -2.22 0.00	47.57 -3.31 0.00	52.20 -3.69 0.00	52.75 -3.07 0.00	50.68 -3.01 0.00	45.97 -2.37 0.00	41.34 -2.13 0.00	38.39 -0.82 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	41.68 2.58 0.00	34.92 2.25 0.00	30.93 1.86 0.00	30.28 1.93 0.00	30.30 1.85 0.00	31.22 1.88 0.00	33.87 1.83 0.00	41.48 1.94 0.00	39.47 2.09 0.00	39.08 2.11 0.00	38.25 1.99 0.00	39.43 2.20 0.00	38.59 2.25 0.00	39.21 2.43 0.00	41.38 2.63 0.00	46.49 2.88 0.00	50.26 3.11 0.00	54.90 4.02 0.00	60.14 4.25 0.00	59.57 3.74 0.00	57.13 3.44 0.00	51.19 2.85 0.00	45.91 2.43 0.00	41.26 2.04 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	41.44 2.35 0.00	34.73 2.06 0.00	30.75 1.69 0.00	30.11 1.76 0.00	30.13 1.68 0.00	31.04 1.70 0.00	33.68 1.63 0.00	41.25 1.70 0.00	39.21 1.83 0.00	38.79 1.81 0.00	37.89 1.63 0.00	39.02 1.79 0.00	38.16 1.82 0.00	38.77 1.99 0.00	40.96 2.21 0.00	45.88 2.27 0.00	49.65 2.50 0.00	54.19 3.31 0.00	59.41 3.52 0.00	59.12 3.29 0.00	56.70 3.01 0.00	50.85 2.51 0.00	45.60 2.13 0.00	41.02 1.80 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	42.16 3.05 -0.01	35.26 2.58 -0.01	31.23 2.15 -0.01	30.57 2.21 -0.01	30.56 2.11 -0.01	31.34 2.00 0.00	33.87 1.83 0.00	41.52 1.98 0.00	39.50 2.13 0.00	39.19 2.22 0.00	38.33 2.07 0.00	39.54 2.31 0.00	38.70 2.36 0.00	39.32 2.54 0.00	41.50 2.75 0.00	46.62 3.01 0.00	50.36 3.21 0.00	54.78 4.22 0.32	60.25 4.36 0.00	59.57 3.74 0.00	57.02 3.33 0.00	51.09 2.76 0.00	45.99 2.52 0.00	41.57 2.35 0.00



E179THST_13_KV_LOAD 356214	42.35 3.25 -0.01	35.42 2.74 -0.01	31.34 2.27 -0.01	30.66 2.30 -0.01	30.65 2.19 -0.01	31.45 2.11 0.00	34.00 1.95 0.00	41.68 2.14 0.00	39.65 2.28 0.00	39.34 2.37 0.00	38.51 2.25 0.00	39.73 2.49 0.00	38.89 2.54 0.00	39.51 2.72 0.00	41.69 2.94 0.00	46.84 3.23 0.00	50.64 3.49 0.00	55.04 4.48 0.32	60.53 4.64 0.00	59.84 4.02 0.00	57.29 3.60 0.00	51.33 3.00 0.00	46.17 2.70 0.00	41.73 2.51 0.00
EAST HAMPTON___GT 23717	41.87 2.78 0.00	35.51 2.84 0.00	31.34 2.27 0.00	30.96 2.61 0.00	30.67 2.22 0.00	31.60 2.26 0.00	34.23 2.18 0.00	41.92 2.37 0.00	40.07 2.69 0.00	39.52 2.55 0.00	38.48 2.21 -0.01	39.13 1.90 0.00	38.41 2.07 0.00	38.40 1.62 0.00	40.53 1.78 0.00	45.87 2.27 0.00	49.93 2.78 0.00	54.95 4.07 0.00	60.36 4.47 0.00	60.34 4.52 0.00	57.18 3.49 0.00	51.67 3.33 0.00	45.82 2.35 0.00	41.61 2.39 0.00
EAST RIVER___6 23660	42.11 3.01 0.00	35.25 2.58 0.00	31.25 2.18 0.00	30.59 2.24 0.00	30.58 2.13 0.00	31.51 2.17 0.00	34.16 2.11 0.00	42.00 2.45 0.00	39.99 2.62 0.00	39.60 2.63 0.00	38.76 2.50 0.00	39.95 2.72 0.00	39.21 2.87 0.00	39.73 2.94 0.00	41.93 3.18 0.00	47.14 3.53 0.00	50.93 3.77 0.00	55.51 4.63 0.00	61.09 5.20 0.00	60.63 4.80 0.00	57.61 3.92 0.00	51.62 3.29 0.00	46.30 2.82 0.00	41.65 2.43 0.00
EAST RIVER___7 23524	42.11 3.01 0.00	35.25 2.58 0.00	31.25 2.18 0.00	30.59 2.24 0.00	30.58 2.13 0.00	31.51 2.17 0.00	34.16 2.11 0.00	42.00 2.45 0.00	39.99 2.62 0.00	39.60 2.63 0.00	38.76 2.50 0.00	39.95 2.72 0.00	39.21 2.87 0.00	39.73 2.94 0.00	41.93 3.18 0.00	47.14 3.53 0.00	50.93 3.77 0.00	55.51 4.63 0.00	61.09 5.20 0.00	60.63 4.80 0.00	57.61 3.92 0.00	51.62 3.29 0.00	46.30 2.82 0.00	41.65 2.43 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	41.60 2.50 0.00	34.86 2.19 0.00	30.90 1.83 0.00	30.25 1.90 0.00	30.24 1.79 0.00	31.16 1.82 0.00	33.81 1.76 0.00	41.45 1.90 0.00	39.39 2.02 0.00	39.01 2.03 0.00	38.18 1.92 0.00	39.36 2.12 0.00	38.49 2.14 0.00	39.10 2.32 0.00	41.31 2.56 0.00	46.36 2.75 0.00	50.17 3.02 0.00	54.75 3.87 0.00	60.02 4.14 0.00	59.45 3.63 0.00	57.02 3.33 0.00	51.09 2.76 0.00	45.82 2.35 0.00	41.22 2.00 0.00
EAST_HAMPTON___DIESEL 23722	41.79 2.70 0.00	35.45 2.78 0.00	31.27 2.21 0.00	30.91 2.55 0.00	30.61 2.16 0.00	31.54 2.20 0.00	34.16 2.11 0.00	41.84 2.29 0.00	39.99 2.62 0.00	39.45 2.48 0.00	38.41 2.14 -0.01	39.02 1.79 0.00	38.34 2.00 0.00	38.29 1.51 0.00	40.41 1.67 0.00	45.79 2.18 0.00	49.84 2.69 0.00	54.79 3.92 0.00	60.19 4.30 0.00	60.18 4.36 0.00	57.02 3.33 0.00	51.52 3.19 0.00	45.69 2.22 0.00	41.53 2.31 0.00
EAST_POINT___SOLAR 323840	42.15 3.05 0.00	35.09 2.42 0.00	31.19 2.12 0.00	30.40 2.04 0.00	30.47 2.02 0.00	31.48 2.14 0.00	34.19 2.15 0.00	41.45 1.90 0.00	38.76 1.38 0.00	38.23 1.26 0.00	37.60 1.34 0.00	38.65 1.41 0.00	37.76 1.42 0.00	38.37 1.58 0.00	40.34 1.59 0.00	45.70 2.09 0.00	49.79 2.64 0.00	53.62 2.75 0.00	59.52 3.63 0.00	59.85 4.02 0.00	57.50 3.81 0.00	51.38 3.05 0.00	46.34 2.87 0.00	41.69 2.47 0.00
EAST_PULASKI___ESR 323781	38.71 -0.39 0.00	32.18 -0.49 0.00	28.66 -0.41 0.00	27.93 -0.42 0.00	28.14 -0.31 0.00	28.96 -0.38 0.00	31.50 -0.54 0.00	38.64 -0.91 0.00	36.40 -0.97 0.00	36.09 -0.89 0.00	35.39 -0.87 0.00	36.27 -0.97 0.00	35.29 -1.06 0.00	35.72 -1.07 0.00	37.66 -1.08 0.00	42.47 -1.13 0.00	45.98 -1.18 0.00	49.45 -1.42 0.00	54.43 -1.45 0.00	54.65 -1.17 0.00	52.51 -1.18 0.00	47.32 -1.02 0.00	42.43 -1.04 0.00	38.35 -0.86 0.00
EAST_RIVER___1 323558	41.95 2.85 0.00	35.15 2.48 0.00	31.16 2.09 0.00	30.51 2.15 0.00	30.50 2.05 0.00	31.42 2.08 0.00	34.07 2.02 0.00	41.84 2.29 0.00	39.84 2.47 0.00	39.45 2.48 0.00	38.62 2.36 0.00	39.77 2.53 0.00	38.99 2.65 0.00	39.51 2.72 0.00	41.73 2.98 0.00	46.88 3.27 0.00	50.64 3.49 0.00	55.20 4.32 0.00	60.75 4.86 0.00	60.40 4.58 0.00	57.34 3.65 0.00	51.43 3.10 0.00	46.12 2.65 0.00	41.49 2.27 0.00
EAST_RIVER___2 323559	42.11 3.01 0.00	35.25 2.58 0.00	31.25 2.18 0.00	30.59 2.24 0.00	30.58 2.13 0.00	31.51 2.17 0.00	34.16 2.11 0.00	42.00 2.45 0.00	39.99 2.62 0.00	39.60 2.63 0.00	38.76 2.50 0.00	39.95 2.72 0.00	39.21 2.87 0.00	39.73 2.94 0.00	41.93 3.18 0.00	47.14 3.53 0.00	50.93 3.77 0.00	55.51 4.63 0.00	61.09 5.20 0.00	60.63 4.80 0.00	57.61 3.92 0.00	51.62 3.29 0.00	46.30 2.82 0.00	41.65 2.43 0.00
EAST___DELAWARE_HYD 23607	41.76 2.66 0.00	34.99 2.32 0.00	30.95 1.89 0.00	30.28 1.93 0.00	30.33 1.88 0.00	31.25 1.91 0.00	33.90 1.86 0.00	41.60 2.06 0.00	39.54 2.17 0.00	39.04 2.07 0.00	38.14 1.88 0.00	39.17 1.93 0.00	38.38 2.03 0.00	38.88 2.10 0.00	41.11 2.36 0.00	45.96 2.35 0.00	49.74 2.59 0.00	54.18 3.31 0.00	59.74 3.85 0.00	59.90 4.07 0.00	57.02 3.33 0.00	51.19 2.85 0.00	45.90 2.43 0.00	41.29 2.08 0.00
EIGHT_POINT___WT_PWR 323820	40.19 1.09 0.00	32.74 0.07 0.00	29.44 0.38 0.00	28.61 0.25 0.00	28.85 0.40 0.00	29.57 0.23 0.00	32.11 0.06 0.00	39.67 0.12 0.00	37.19 -0.19 0.00	36.60 -0.37 0.00	35.97 -0.29 0.00	36.82 -0.41 0.00	35.69 -0.65 0.00	35.90 -0.88 0.00	37.70 -1.04 0.00	42.56 -1.05 0.00	45.88 -1.27 0.00	49.05 -1.83 0.00	54.05 -1.84 0.00	54.93 -0.90 0.00	52.40 -1.29 0.00	47.27 -1.06 0.00	42.56 -0.91 0.00	39.06 -0.16 0.00
ELBRIDGE_115KV_TB2 80188	38.98 -0.12 0.00	32.41 -0.26 0.00	28.89 -0.17 0.00	28.15 -0.20 0.00	28.28 -0.17 0.00	29.14 -0.21 0.00	31.76 -0.29 0.00	38.99 -0.55 0.00	36.74 -0.64 0.00	36.35 -0.63 0.00	35.68 -0.58 0.00	36.56 -0.67 0.00	35.65 -0.69 0.00	36.01 -0.77 0.00	37.93 -0.81 0.00	42.78 -0.83 0.00	46.21 -0.94 0.00	49.66 -1.22 0.00	54.60 -1.29 0.00	54.65 -1.17 0.00	52.56 -1.13 0.00	47.42 -0.92 0.00	42.56 -0.91 0.00	38.55 -0.67 0.00
ELEC_TRO_TEK 24086	42.03 2.93 0.00	35.32 2.65 0.00	31.19 2.12 0.00	30.65 2.30 0.00	30.53 2.08 0.00	31.45 2.11 0.00	34.06 2.02 0.00	41.56 2.02 0.00	39.62 2.24 0.00	39.23 2.26 0.00	38.77 2.36 -0.15	39.50 2.27 0.00	38.39 2.04 -0.01	39.08 2.28 -0.01	41.19 2.44 0.00	46.22 2.62 0.00	50.03 2.88 0.00	54.92 4.02 -0.02	59.91 4.02 0.00	59.40 3.57 0.00	56.96 3.28 0.00	51.28 2.95 0.00	45.78 2.30 0.00	41.22 2.00 0.00
ELLENBURG_WT_PWR 323604	37.77 -1.33 0.00	31.82 -0.85 0.00	28.37 -0.70 0.00	27.76 -0.60 0.00	27.88 -0.57 0.00	28.75 -0.59 0.00	31.69 -0.35 0.00	39.83 0.28 0.00	37.67 0.30 0.00	37.38 0.41 0.00	36.66 0.40 0.00	37.64 0.41 0.00	36.74 0.40 0.00	37.19 0.41 0.00	39.14 0.39 0.00	44.04 0.44 0.00	47.53 0.38 0.00	51.28 0.41 0.00	55.94 0.06 0.00	55.60 -0.22 0.00	54.07 0.38 0.00	48.87 0.53 0.00	44.08 0.61 0.00	39.65 0.43 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	39.49 0.39 0.00	31.82 -0.85 0.00	28.69 -0.38 0.00	27.79 -0.57 0.00	27.94 -0.51 0.00	28.67 -0.67 0.00	30.96 -1.09 0.00	38.32 -1.23 0.00	35.92 -1.46 0.00	35.20 -1.77 0.00	34.74 -1.52 0.00	35.33 -1.90 0.00	34.60 -1.74 0.00	34.69 -2.10 0.00	36.31 -2.44 0.00	41.08 -2.53 0.00	44.28 -2.88 0.00	46.76 -4.12 0.00	51.31 -4.58 0.00	51.86 -3.96 0.00	49.82 -3.87 0.00	45.29 -3.05 0.00	40.82 -2.65 0.00	38.00 -1.22 0.00
EMPIRE_CC_1 323656	40.55 1.45 0.00	33.98 1.31 0.00	30.14 1.08 0.00	29.46 1.10 0.00	29.50 1.05 0.00	30.52 1.17 0.00	33.10 1.06 0.00	40.62 1.07 0.00	38.42 1.04 0.00	37.97 1.00 0.00	37.17 0.91 0.00	38.20 0.97 0.00	37.36 1.02 0.00	37.85 1.07 0.00	39.91 1.16 0.00	44.92 1.31 0.00	48.66 1.51 0.00	52.71 1.83 0.00	58.29 2.40 0.00	58.22 2.40 0.00	55.62 1.93 0.00	49.93 1.59 0.00	44.90 1.43 0.00	40.31 1.10 0.00
EMPIRE_CC_2 323658	40.55 1.45 0.00	33.98 1.31 0.00	30.14 1.08 0.00	29.46 1.10 0.00	29.50 1.05 0.00	30.52 1.17 0.00	33.10 1.06 0.00	40.62 1.07 0.00	38.42 1.04 0.00	37.97 1.00 0.00	37.17 0.91 0.00	38.20 0.97 0.00	37.36 1.02 0.00	37.85 1.07 0.00	39.91 1.16 0.00	44.92 1.31 0.00	48.66 1.51 0.00	52.71 1.83 0.00	58.29 2.40 0.00	58.22 2.40 0.00	55.62 1.93 0.00	49.93 1.59 0.00	44.90 1.43 0.00	40.31 1.10 0.00
ENORWICH_115KV_TB1 80156	41.87 2.78 0.00	34.63 1.96 0.00	30.84 1.77 0.00	30.05 1.70 0.00	30.41 1.96 0.00	31.25 1.91 0.00	34.00 1.95 0.00	41.80 2.25 0.00	39.35 1.98 0.00	38.75 1.77 0.00	38.11 1.85 0.00	38.83 1.60 0.00	37.61 1.27 0.00	38.07 1.29 0.00	40.30 1.55 0.00	45.70 2.09 0.00	49.65 2.50 0.00	53.27 2.39 0.00	58.91 3.02 0.00	59.17 3.35 0.00	56.86 3.17 0.00	51.38 3.05 0.00	45.73 2.26 0.00	41.41 2.20 0.00
ERIE_ST__34_KV_TB1-2 80199	39.61 0.51 0.00	31.82 -0.85 0.00	28.72 -0.35 0.00	27.79 -0.57 0.00	27.94 -0.51 0.00	28.67 -0.67 0.00	30.99 -1.06 0.00	38.36 -1.19 0.00	35.99 -1.38 0.00	35.27 -1.70 0.00	34.81 -1.45 0.00	35.41 -1.82 0.00	34.63 -1.71 0.00	34.73 -2.06 0.00	36.38 -2.36 0.00	41.17 -2.44 0.00	44.42 -2.73 0.00	46.96 -3.92 0.00	51.58 -4.30 0.00	52.08 -3.74 0.00	50.09 -3.60 0.00	45.43 -2.90 0.00	40.86 -2.61 0.00	38.00 -1.22 0.00
ERIE_WT_PWR 323693	39.72 0.62 0.00	31.95 -0.72 0.00	28.83 -0.23 0.00	27.90 -0.45 0.00	28.11 -0.34 0.00	28.78 -0.56 0.00	31.08 -0.96 0.00	38.44 -1.11 0.00	36.03 -1.34 0.00	35.39 -1.59 0.00	34.88 -1.38 0.00	35.74 -1.49 0.00	34.67 -1.67 0.00	34.80 -1.99 0.00	36.42 -2.32 0.00	41.12 -2.48 0.00	44.27 -2.88 0.00	47.01 -3.87 0.00	51.64 -4.25 0.00	52.53 -3.29 0.00	50.09 -3.60 0.00	45.19 -3.14 0.00	40.95 -2.52 0.00	38.12 -1.10 0.00
ESPRGFLD_115KV_TB1 80157	41.09 1.99 0.00	34.17 1.50 0.00	30.40 1.34 0.00	29.63 1.28 0.00	29.79 1.34 0.00	30.69 1.35 0.00	33.42 1.38 0.00	40.97 1.42 0.00	38.57 1.20 0.00	38.05 1.07 0.00	37.42 1.16 0.00	38.31 1.08 0.00	37.32 0.98 0.00	37.85 1.07 0.00	39.95 1.20 0.00	45.00 1.40 0.00	48.90 1.74 0.00	52.51 1.63 0.00	57.84 1.96 0.00	57.89 2.07 0.00	55.73 2.04 0.00	50.12 1.79 0.00	45.04 1.56 0.00	40.67 1.45 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	40.00 0.90 0.00	33.13 0.46 0.00	29.56 0.49 0.00	28.78 0.43 0.00	28.96 0.51 0.00	29.81 0.47 0.00	32.49 0.45 0.00	39.98 0.44 0.00	37.60 0.22 0.00	37.16 0.18 0.00	36.48 0.22 0.00	37.35 0.11 0.00	36.34 0.00 0.00	36.75 -0.04 0.00	38.71 -0.04 0.00	43.74 0.13 0.00	47.29 0.14 0.00	50.88 0.00 0.00	56.00 0.11 0.00	56.10 0.28 0.00	53.96 0.27 0.00	48.72 0.39 0.00	43.65 0.17 0.00	39.53 0.31 0.00
ETNA_____115KV_TB2 80207	40.00 0.90 0.00	33.13 0.46 0.00	29.56 0.49 0.00	28.78 0.43 0.00	28.96 0.51 0.00	29.81 0.47 0.00	32.49 0.45 0.00	39.98 0.44 0.00	37.60 0.22 0.00	37.16 0.18 0.00	36.48 0.22 0.00	37.35 0.11 0.00	36.34 0.00 0.00	36.75 -0.04 0.00	38.71 -0.04 0.00	43.74 0.13 0.00	47.29 0.14 0.00	50.88 0.00 0.00	56.00 0.11 0.00	56.10 0.28 0.00	53.96 0.27 0.00	48.72 0.39 0.00	43.65 0.17 0.00	39.53 0.31 0.00
EUCLID___115KV_TB2 356179	38.94 -0.16 0.00	32.34 -0.33 0.00	28.83 -0.23 0.00	28.10 -0.26 0.00	28.25 -0.20 0.00	29.08 -0.26 0.00	31.69 -0.35 0.00	38.91 -0.63 0.00	36.66 -0.71 0.00	36.27 -0.70 0.00	35.64 -0.62 0.00	36.53 -0.71 0.00	35.61 -0.73 0.00	35.98 -0.81 0.00	37.90 -0.85 0.00	42.69 -0.92 0.00	46.16 -0.99 0.00	49.61 -1.27 0.00	54.32 -1.56 0.00	54.37 -1.45 0.00	52.29 -1.40 0.00	47.17 -1.16 0.00	42.34 -1.13 0.00	38.35 -0.86 0.00
E_CANADA_CAP_HY 24051	41.68 2.58 0.00	34.70 2.03 0.00	30.84 1.77 0.00	30.05 1.70 0.00	30.16 1.71 0.00	31.13 1.79 0.00	33.87 1.83 0.00	41.33 1.78 0.00	38.79 1.42 0.00	38.27 1.29 0.00	37.60 1.34 0.00	38.57 1.34 0.00	37.61 1.27 0.00	38.18 1.40 0.00	40.26 1.51 0.00	45.35 1.75 0.00	49.37 2.22 0.00	53.12 2.24 0.00	58.79 2.90 0.00	58.95 3.12 0.00	56.59 2.90 0.00	50.61 2.27 0.00	45.69 2.22 0.00	41.14 1.92 0.00
E_CANADA_MHWK_HY 24050	39.33 0.24 0.00	32.87 0.20 0.00	29.24 0.18 0.00	28.55 0.20 0.00	28.68 0.23 0.00	29.57 0.23 0.00	32.27 0.23 0.00	39.71 0.16 0.00	37.52 0.15 0.00	37.12 0.15 0.00	36.44 0.18 0.00	37.38 0.15 0.00	36.45 0.11 0.00	36.90 0.11 0.00	38.87 0.12 0.00	43.78 0.18 0.00	47.34 0.19 0.00	51.03 0.15 0.00	56.17 0.28 0.00	56.22 0.39 0.00	53.96 0.27 0.00	48.58 0.24 0.00	43.65 0.17 0.00	39.37 0.16 0.00
E_FISHKILL___LBMP 23776	41.25 2.15 0.00	34.57 1.89 0.00	30.64 1.57 0.00	30.00 1.64 0.00	30.01 1.56 0.00	30.95 1.61 0.00	33.55 1.51 0.00	41.13 1.58 0.00	39.06 1.68 0.00	38.64 1.66 0.00	37.82 1.56 0.00	38.95 1.71 0.00	38.12 1.78 0.00	38.70 1.91 0.00	40.84 2.09 0.00	45.88 2.27 0.00	49.65 2.50 0.00	54.08 3.21 0.00	59.35 3.47 0.00	58.90 3.07 0.00	56.53 2.85 0.00	50.65 2.32 0.00	45.47 2.00 0.00	40.86 1.65 0.00
FALCON___SEABRD_CC1 323796	38.28 -0.82 0.00	32.24 -0.43 0.00	28.75 -0.32 0.00	28.10 -0.26 0.00	28.25 -0.20 0.00	29.08 -0.26 0.00	32.08 0.03 0.00	40.30 0.75 0.00	38.16 0.79 0.00	37.86 0.89 0.00	37.09 0.83 0.00	38.13 0.89 0.00	37.18 0.84 0.00	37.63 0.85 0.00	39.60 0.85 0.00	44.57 0.96 0.00	48.10 0.94 0.00	51.90 1.02 0.00	56.61 0.72 0.00	56.27 0.44 0.00	54.76 1.07 0.00	49.49 1.16 0.00	44.65 1.17 0.00	40.12 0.90 0.00
FALCON___SEABRD_CC2 323797	38.28 -0.82 0.00	32.24 -0.43 0.00	28.75 -0.32 0.00	28.10 -0.26 0.00	28.25 -0.20 0.00	29.08 -0.26 0.00	32.08 0.03 0.00	40.30 0.75 0.00	38.16 0.79 0.00	37.86 0.89 0.00	37.09 0.83 0.00	38.13 0.89 0.00	37.18 0.84 0.00	37.63 0.85 0.00	39.60 0.85 0.00	44.57 0.96 0.00	48.10 0.94 0.00	51.90 1.02 0.00	56.61 0.72 0.00	56.27 0.44 0.00	54.76 1.07 0.00	49.49 1.16 0.00	44.65 1.17 0.00	40.12 0.90 0.00



FAR ROCKAWAY___4 23548	42.58 3.48 0.00	35.77 3.10 0.00	31.57 2.50 0.00	31.08 2.72 0.00	30.90 2.45 0.00	31.83 2.49 0.00	34.48 2.44 0.00	42.08 2.53 0.00	40.06 2.69 0.00	39.71 2.74 0.00	39.44 2.86 -0.31	39.99 2.76 0.00	38.92 2.54 -0.04	39.58 2.76 -0.04	41.73 2.98 0.00	46.84 3.23 0.00	50.74 3.58 0.00	55.72 4.78 -0.06	60.75 4.86 0.00	60.23 4.41 0.00	57.77 4.08 0.00	52.06 3.72 0.00	46.43 2.96 0.00	41.80 2.59 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	41.95 2.85 0.00	35.12 2.45 0.00	31.13 2.06 0.00	30.48 2.13 0.00	30.47 2.02 0.00	31.39 2.05 0.00	34.03 1.99 0.00	41.72 2.18 0.00	39.69 2.32 0.00	39.34 2.37 0.00	38.47 2.21 0.00	39.69 2.46 0.00	38.85 2.51 0.00	39.47 2.69 0.00	41.69 2.94 0.00	46.75 3.14 0.00	50.55 3.40 0.00	55.25 4.38 0.00	60.47 4.58 0.00	59.79 3.96 0.00	57.29 3.60 0.00	51.38 3.05 0.00	46.12 2.65 0.00	41.45 2.24 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	41.95 2.85 0.00	35.15 2.48 0.00	31.13 2.06 0.00	30.48 2.13 0.00	30.50 2.05 0.00	31.39 2.05 0.00	34.03 1.99 0.00	41.72 2.18 0.00	39.69 2.32 0.00	39.34 2.37 0.00	38.47 2.21 0.00	39.69 2.46 0.00	38.85 2.51 0.00	39.47 2.69 0.00	41.69 2.94 0.00	46.79 3.18 0.00	50.55 3.40 0.00	55.25 4.38 0.00	60.47 4.58 0.00	59.79 3.96 0.00	57.29 3.60 0.00	51.38 3.05 0.00	46.12 2.65 0.00	41.45 2.24 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	41.95 2.85 0.00	35.12 2.45 0.00	31.10 2.03 0.00	30.48 2.13 0.00	30.47 2.02 0.00	31.37 2.02 0.00	34.00 1.95 0.00	41.68 2.14 0.00	39.65 2.28 0.00	39.30 2.33 0.00	38.47 2.21 0.00	39.65 2.42 0.00	38.85 2.51 0.00	39.47 2.69 0.00	41.65 2.91 0.00	46.75 3.14 0.00	50.55 3.40 0.00	55.20 4.32 0.00	60.41 4.53 0.00	59.73 3.91 0.00	57.23 3.54 0.00	51.33 3.00 0.00	46.08 2.61 0.00	41.45 2.24 0.00
FARRAGUT___LBMP 323566	41.91 2.82 0.00	35.09 2.42 0.00	31.10 2.03 0.00	30.45 2.10 0.00	30.44 1.99 0.00	31.37 2.02 0.00	34.00 1.95 0.00	41.68 2.14 0.00	39.65 2.28 0.00	39.27 2.29 0.00	38.44 2.18 0.00	39.65 2.42 0.00	38.81 2.47 0.00	39.43 2.65 0.00	41.62 2.87 0.00	46.70 3.10 0.00	50.50 3.35 0.00	55.15 4.27 0.00	60.36 4.47 0.00	59.73 3.91 0.00	57.23 3.54 0.00	51.33 3.00 0.00	46.04 2.56 0.00	41.41 2.20 0.00
FENNER___WINDPWR 24204	39.80 0.70 0.00	33.13 0.46 0.00	29.50 0.44 0.00	28.75 0.40 0.00	28.93 0.48 0.00	29.78 0.44 0.00	32.46 0.42 0.00	39.90 0.36 0.00	37.64 0.26 0.00	37.20 0.22 0.00	36.55 0.29 0.00	37.46 0.22 0.00	36.41 0.07 0.00	36.86 0.07 0.00	38.90 0.16 0.00	43.87 0.26 0.00	47.49 0.33 0.00	51.13 0.26 0.00	56.33 0.45 0.00	56.44 0.62 0.00	54.12 0.43 0.00	48.77 0.43 0.00	43.73 0.26 0.00	39.49 0.28 0.00
FIBERTEK___ENERGY 23856	39.18 0.08 0.00	32.57 -0.10 0.00	29.04 -0.03 0.00	28.27 -0.09 0.00	28.42 -0.03 0.00	29.25 -0.09 0.00	31.92 -0.13 0.00	39.19 -0.36 0.00	36.93 -0.45 0.00	36.57 -0.41 0.00	35.90 -0.36 0.00	36.79 -0.45 0.00	35.87 -0.47 0.00	36.27 -0.52 0.00	38.17 -0.58 0.00	43.04 -0.57 0.00	46.49 -0.66 0.00	50.01 -0.86 0.00	54.88 -1.01 0.00	54.93 -0.89 0.00	52.83 -0.86 0.00	47.66 -0.68 0.00	42.78 -0.70 0.00	38.71 -0.51 0.00
FITZPATRICK___ 23598	38.16 -0.94 0.00	31.79 -0.88 0.00	28.34 -0.73 0.00	27.62 -0.74 0.00	27.77 -0.68 0.00	28.58 -0.76 0.00	31.18 -0.86 0.00	38.20 -1.34 0.00	36.03 -1.34 0.00	35.64 -1.33 0.00	34.96 -1.30 0.00	35.89 -1.34 0.00	35.00 -1.34 0.00	35.39 -1.40 0.00	37.28 -1.47 0.00	41.95 -1.66 0.00	45.36 -1.79 0.00	48.79 -2.09 0.00	53.65 -2.24 0.00	53.76 -2.06 0.00	51.59 -2.09 0.00	46.50 -1.84 0.00	41.82 -1.65 0.00	37.81 -1.41 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	41.64 2.54 0.00	34.89 2.22 0.00	30.90 1.83 0.00	30.22 1.87 0.00	30.24 1.79 0.00	31.16 1.82 0.00	33.81 1.76 0.00	41.37 1.82 0.00	39.32 1.94 0.00	38.90 1.92 0.00	38.00 1.74 0.00	39.13 1.90 0.00	38.27 1.93 0.00	38.88 2.10 0.00	41.11 2.36 0.00	45.96 2.35 0.00	49.79 2.64 0.00	54.34 3.46 0.00	59.58 3.69 0.00	59.34 3.52 0.00	56.96 3.28 0.00	51.09 2.76 0.00	45.82 2.35 0.00	41.18 1.96 0.00
FORT ORANGE___ 23900	40.19 1.09 0.00	33.65 0.98 0.00	29.88 0.81 0.00	29.18 0.82 0.00	29.22 0.77 0.00	30.22 0.88 0.00	32.78 0.74 0.00	40.14 0.59 0.00	37.97 0.60 0.00	37.56 0.59 0.00	36.77 0.51 0.00	37.79 0.56 0.00	36.96 0.62 0.00	37.45 0.66 0.00	39.41 0.66 0.00	44.39 0.79 0.00	48.10 0.94 0.00	52.05 1.17 0.00	57.45 1.56 0.00	57.44 1.62 0.00	54.93 1.24 0.00	49.30 0.97 0.00	44.34 0.87 0.00	39.84 0.63 0.00
FORT_DRUM_COGEN 23780	38.71 -0.39 0.00	32.25 -0.42 0.00	28.66 -0.41 0.00	27.93 -0.43 0.00	28.22 -0.23 0.00	28.99 -0.35 0.00	31.56 -0.48 0.00	38.91 -0.63 0.00	36.66 -0.71 0.00	36.20 -0.78 0.00	35.53 -0.73 0.00	36.30 -0.93 0.00	35.21 -1.13 0.00	35.65 -1.14 0.00	37.70 -1.05 0.00	42.69 -0.92 0.00	46.40 -0.75 0.00	49.96 -0.92 0.00	55.27 -0.61 0.00	55.55 -0.28 0.00	53.53 -0.16 0.00	48.33 0.00 0.00	43.12 -0.35 0.00	38.78 -0.43 0.00
FOX_HILLS___ESR 323835	42.27 3.17 -0.01	35.42 2.74 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	41.88 2.33 0.00	39.80 2.43 0.00	39.50 2.51 -0.01	38.66 2.39 -0.01	39.86 2.61 -0.02	38.91 2.54 -0.02	42.28 2.72 -2.78	46.62 2.94 -4.93	46.93 3.31 -0.01	50.64 3.49 0.00	58.82 4.58 -3.36	60.64 4.75 0.00	59.90 4.08 0.00	57.39 3.70 0.00	51.43 3.09 0.00	46.35 2.87 -0.01	41.73 2.51 -0.01
FPL_FAR_ROCK_GT1 24212	42.42 3.32 0.00	35.71 3.04 0.00	31.57 2.50 0.00	31.05 2.69 0.00	30.87 2.42 0.00	31.83 2.49 0.00	34.48 2.43 0.00	42.31 2.77 0.00	40.33 2.95 0.00	39.86 2.89 0.00	39.51 2.94 -0.31	40.03 2.79 0.00	39.58 3.20 -0.04	39.62 2.79 -0.04	41.73 2.98 0.00	47.01 3.40 0.00	50.93 3.77 0.00	55.72 4.78 -0.06	61.14 5.25 0.00	61.02 5.19 0.00	57.93 4.24 0.00	52.20 3.87 0.00	46.51 3.04 0.00	41.92 2.70 0.00
FPL_FAR_ROCK_GT2 23815	42.42 3.32 0.00	35.71 3.04 0.00	31.57 2.50 0.00	31.05 2.69 0.00	30.87 2.42 0.00	31.83 2.49 0.00	34.48 2.43 0.00	42.31 2.77 0.00	40.33 2.95 0.00	39.86 2.89 0.00	39.51 2.94 -0.31	40.03 2.79 0.00	39.58 3.20 -0.04	39.62 2.79 -0.04	41.73 2.98 0.00	47.01 3.40 0.00	50.93 3.77 0.00	55.72 4.78 -0.06	61.14 5.25 0.00	61.02 5.19 0.00	57.93 4.24 0.00	52.20 3.87 0.00	46.51 3.04 0.00	41.92 2.70 0.00
FRANKLIN_FALL_HYD 24054	37.89 -1.21 0.00	31.92 -0.75 0.00	28.43 -0.64 0.00	27.76 -0.60 0.00	27.88 -0.57 0.00	28.70 -0.65 0.00	31.63 -0.42 0.00	39.86 0.32 0.00	37.75 0.37 0.00	37.45 0.48 0.00	36.73 0.47 0.00	37.75 0.52 0.00	36.78 0.44 0.00	37.26 0.48 0.00	39.17 0.43 0.00	44.26 0.65 0.00	47.77 0.61 0.00	51.34 0.46 0.00	56.28 0.39 0.00	56.27 0.45 0.00	54.17 0.48 0.00	49.06 0.73 0.00	44.34 0.87 0.00	39.73 0.51 0.00



FREEPORT_EQUS_GT1 23764	42.07 2.97 0.00	35.45 2.78 0.00	31.34 2.27 0.00	30.82 2.47 0.00	30.64 2.19 0.00	31.63 2.29 0.00	34.23 2.18 0.00	41.96 2.41 0.00	39.99 2.62 0.00	39.56 2.59 0.00	39.00 2.61 -0.12	39.65 2.42 0.00	39.19 2.84 -0.01	39.23 2.43 -0.01	41.35 2.60 0.00	46.49 2.88 0.00	50.40 3.25 0.00	55.17 4.27 -0.02	60.58 4.70 0.00	60.46 4.63 0.00	57.39 3.70 0.00	51.67 3.33 0.00	46.04 2.56 0.00	41.53 2.31 0.00
FREEPORT___CT2 23818	42.07 2.97 0.00	35.45 2.78 0.00	31.34 2.27 0.00	30.82 2.47 0.00	30.64 2.19 0.00	31.63 2.29 0.00	34.23 2.18 0.00	41.96 2.41 0.00	39.99 2.62 0.00	39.56 2.59 0.00	39.00 2.61 -0.12	39.65 2.42 0.00	39.19 2.84 -0.01	39.23 2.43 -0.01	41.35 2.60 0.00	46.49 2.88 0.00	50.40 3.25 0.00	55.17 4.27 -0.02	60.58 4.70 0.00	60.46 4.63 0.00	57.39 3.70 0.00	51.67 3.33 0.00	46.04 2.56 0.00	41.53 2.31 0.00
FRESHKLS_33_KV_LOAD 356253	42.27 3.17 -0.01	35.42 2.74 -0.01	31.43 2.35 -0.01	30.80 2.44 -0.01	30.79 2.33 -0.01	31.70 2.35 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.80 2.43 0.00	39.50 2.51 -0.01	38.62 2.36 -0.01	39.82 2.57 -0.02	38.80 2.43 -0.02	41.14 2.61 -1.74	44.71 2.87 -3.09	46.84 3.23 -0.01	50.54 3.40 0.01	57.66 4.53 -2.25	60.52 4.64 0.01	59.78 3.96 0.01	57.28 3.60 0.01	51.33 3.00 0.00	46.31 2.83 -0.01	41.73 2.51 -0.01
FULTON COGEN____ 23766	38.67 -0.43 0.00	32.18 -0.49 0.00	28.69 -0.38 0.00	27.96 -0.40 0.00	28.08 -0.37 0.00	28.93 -0.41 0.00	31.53 -0.51 0.00	38.68 -0.87 0.00	36.44 -0.93 0.00	36.09 -0.89 0.00	35.43 -0.83 0.00	36.30 -0.93 0.00	35.40 -0.94 0.00	35.76 -1.03 0.00	37.66 -1.08 0.00	42.47 -1.13 0.00	45.83 -1.32 0.00	49.30 -1.58 0.00	54.16 -1.73 0.00	54.15 -1.67 0.00	52.08 -1.61 0.00	46.98 -1.35 0.00	42.17 -1.30 0.00	38.16 -1.06 0.00
FULTON___LFGE 323630	41.83 2.74 0.00	34.86 2.19 0.00	30.95 1.89 0.00	30.20 1.84 0.00	30.27 1.82 0.00	31.25 1.91 0.00	34.00 1.96 0.00	41.56 2.02 0.00	39.06 1.68 0.00	38.53 1.55 0.00	37.85 1.59 0.00	38.87 1.64 0.00	37.90 1.56 0.00	38.48 1.69 0.00	40.57 1.82 0.00	45.79 2.18 0.00	49.79 2.64 0.00	53.57 2.69 0.00	59.30 3.41 0.00	59.40 3.58 0.00	57.02 3.33 0.00	50.99 2.66 0.00	45.99 2.52 0.00	41.37 2.16 0.00
G.F.CEMENT___DRP 24184	41.48 2.38 0.00	34.66 1.99 0.00	30.78 1.71 0.00	30.05 1.70 0.00	30.07 1.62 0.00	31.10 1.76 0.00	33.84 1.79 0.00	41.45 1.90 0.00	39.13 1.76 0.00	38.71 1.74 0.00	38.00 1.74 0.00	38.98 1.75 0.00	38.45 2.11 0.00	38.99 2.21 0.00	41.19 2.44 0.00	45.31 1.70 0.00	49.04 1.89 0.00	52.86 1.98 0.00	58.29 2.40 0.00	58.06 2.23 0.00	56.05 2.36 0.00	49.98 1.64 0.00	45.08 1.61 0.00	41.29 2.08 0.00
GARDENVILLE___LBMP 24039	39.61 0.51 0.00	31.89 -0.78 0.00	28.75 -0.32 0.00	27.84 -0.51 0.00	27.99 -0.46 0.00	28.72 -0.62 0.00	31.02 -1.03 0.00	38.40 -1.15 0.00	35.99 -1.38 0.00	35.27 -1.70 0.00	34.85 -1.41 0.00	35.41 -1.82 0.00	34.67 -1.67 0.00	34.76 -2.02 0.00	36.38 -2.36 0.00	41.17 -2.44 0.00	44.42 -2.73 0.00	46.91 -3.97 0.00	51.47 -4.42 0.00	52.03 -3.80 0.00	49.98 -3.70 0.00	45.43 -2.90 0.00	40.91 -2.56 0.00	38.08 -1.14 0.00
GARDNVLA_35_KV_LD 355827	39.76 0.66 0.00	31.98 -0.69 0.00	28.86 -0.20 0.00	27.93 -0.43 0.00	28.08 -0.37 0.00	28.81 -0.53 0.00	31.12 -0.93 0.00	38.52 -1.03 0.00	36.10 -1.27 0.00	35.38 -1.59 0.00	34.95 -1.31 0.00	35.52 -1.71 0.00	34.78 -1.56 0.00	34.87 -1.91 0.00	36.50 -2.25 0.00	41.34 -2.27 0.00	44.56 -2.59 0.00	47.06 -3.82 0.00	51.64 -4.25 0.00	52.14 -3.68 0.00	50.15 -3.54 0.00	45.58 -2.76 0.00	41.04 -2.43 0.00	38.20 -1.02 0.00
GELCKHM___115KV_LOAD 80723	39.02 -0.08 0.00	32.41 -0.26 0.00	28.89 -0.17 0.00	28.15 -0.20 0.00	28.31 -0.14 0.00	29.14 -0.21 0.00	31.76 -0.29 0.00	38.99 -0.55 0.00	36.74 -0.64 0.00	36.38 -0.59 0.00	35.72 -0.54 0.00	36.60 -0.63 0.00	35.69 -0.65 0.00	36.09 -0.70 0.00	38.01 -0.74 0.00	42.82 -0.78 0.00	46.30 -0.85 0.00	49.76 -1.12 0.00	54.55 -1.34 0.00	54.54 -1.28 0.00	52.45 -1.23 0.00	47.32 -1.02 0.00	42.47 -1.00 0.00	38.47 -0.75 0.00
GENERAL___MILLS 23808	39.68 0.59 0.00	31.92 -0.75 0.00	28.81 -0.26 0.00	27.87 -0.48 0.00	28.05 -0.40 0.00	28.78 -0.56 0.00	31.05 -0.99 0.00	38.44 -1.11 0.00	36.03 -1.35 0.00	35.35 -1.63 0.00	34.88 -1.38 0.00	35.45 -1.79 0.00	34.71 -1.64 0.00	34.80 -1.99 0.00	36.42 -2.32 0.00	41.25 -2.35 0.00	44.47 -2.69 0.00	46.96 -3.92 0.00	51.58 -4.30 0.00	52.08 -3.74 0.00	50.04 -3.65 0.00	45.48 -2.85 0.00	40.95 -2.52 0.00	38.12 -1.10 0.00
GE_PLASTICS___DRP 24183	40.04 0.94 0.00	33.55 0.88 0.00	29.82 0.76 0.00	29.12 0.77 0.00	29.19 0.74 0.00	30.13 0.79 0.00	32.72 0.67 0.00	40.10 0.55 0.00	37.93 0.56 0.00	37.53 0.55 0.00	36.77 0.51 0.00	37.79 0.56 0.00	36.92 0.58 0.00	37.45 0.66 0.00	39.48 0.74 0.00	44.35 0.74 0.00	48.00 0.85 0.00	52.00 1.12 0.00	57.23 1.34 0.00	57.00 1.17 0.00	54.82 1.13 0.00	49.20 0.87 0.00	44.25 0.78 0.00	39.80 0.59 0.00
GILBOA___1 23756	40.15 1.06 0.00	33.58 0.91 0.00	29.85 0.79 0.00	29.15 0.79 0.00	29.22 0.77 0.00	30.13 0.79 0.00	32.75 0.70 0.00	40.22 0.67 0.00	38.05 0.67 0.00	37.64 0.67 0.00	36.88 0.62 0.00	37.90 0.67 0.00	37.03 0.69 0.00	37.48 0.70 0.00	39.56 0.82 0.00	44.48 0.87 0.00	48.14 0.99 0.00	51.84 0.96 0.00	57.17 1.29 0.00	57.11 1.28 0.00	54.60 0.91 0.00	49.21 0.87 0.00	44.30 0.82 0.00	39.88 0.67 0.00
GILBOA___2 23757	40.15 1.06 0.00	33.58 0.91 0.00	29.85 0.79 0.00	29.15 0.79 0.00	29.22 0.77 0.00	30.13 0.79 0.00	32.75 0.70 0.00	40.22 0.67 0.00	38.05 0.67 0.00	37.64 0.67 0.00	36.88 0.62 0.00	37.90 0.67 0.00	37.03 0.69 0.00	37.48 0.70 0.00	39.56 0.82 0.00	44.48 0.87 0.00	48.14 0.99 0.00	51.84 0.96 0.00	57.17 1.29 0.00	57.11 1.28 0.00	54.60 0.91 0.00	49.21 0.87 0.00	44.30 0.82 0.00	39.88 0.67 0.00
GILBOA___3 23758	40.15 1.06 0.00	33.58 0.91 0.00	29.85 0.79 0.00	29.15 0.79 0.00	29.22 0.77 0.00	30.13 0.79 0.00	32.75 0.70 0.00	40.22 0.67 0.00	38.05 0.67 0.00	37.64 0.67 0.00	36.88 0.62 0.00	37.90 0.67 0.00	37.03 0.69 0.00	37.48 0.70 0.00	39.56 0.82 0.00	44.48 0.87 0.00	48.14 0.99 0.00	51.84 0.96 0.00	57.17 1.29 0.00	57.11 1.28 0.00	54.60 0.91 0.00	49.21 0.87 0.00	44.30 0.82 0.00	39.88 0.67 0.00
GILBOA___4 23759	40.15 1.06 0.00	33.58 0.91 0.00	29.85 0.79 0.00	29.15 0.79 0.00	29.22 0.77 0.00	30.13 0.79 0.00	32.75 0.70 0.00	40.22 0.67 0.00	38.05 0.67 0.00	37.64 0.67 0.00	36.88 0.62 0.00	37.90 0.67 0.00	37.03 0.69 0.00	37.48 0.70 0.00	39.56 0.82 0.00	44.48 0.87 0.00	48.14 0.99 0.00	51.84 0.96 0.00	57.17 1.29 0.00	57.11 1.28 0.00	54.60 0.91 0.00	49.21 0.87 0.00	44.30 0.82 0.00	39.88 0.67 0.00



GILBOA____ 23599	40.15 1.06 0.00	33.59 0.91 0.00	29.85 0.78 0.00	29.15 0.79 0.00	29.22 0.77 0.00	30.13 0.79 0.00	32.75 0.70 0.00	40.18 0.63 0.00	38.01 0.64 0.00	37.60 0.63 0.00	36.84 0.58 0.00	37.87 0.63 0.00	37.00 0.65 0.00	37.49 0.70 0.00	39.56 0.81 0.00	44.44 0.83 0.00	48.10 0.94 0.00	51.85 0.97 0.00	57.01 1.12 0.00	56.77 0.95 0.00	54.60 0.91 0.00	49.16 0.82 0.00	44.30 0.83 0.00	39.88 0.67 0.00
GINNA____ 23603	37.69 -1.41 0.00	30.71 -1.96 0.00	27.55 -1.51 0.00	26.74 -1.61 0.00	26.88 -1.56 0.00	27.64 -1.70 0.00	29.96 -2.08 0.00	36.82 -2.73 0.00	34.72 -2.65 0.00	34.31 -2.66 0.00	33.79 -2.47 0.00	34.74 -2.49 0.00	33.72 -2.62 0.00	34.03 -2.76 0.00	35.69 -3.06 0.00	40.21 -3.40 0.00	43.47 -3.68 0.00	46.25 -4.63 0.00	50.80 -5.09 0.00	51.30 -4.52 0.00	49.13 -4.56 0.00	44.56 -3.77 0.00	40.13 -3.35 0.00	36.82 -2.39 0.00
GLEN PARK____ 23778	38.90 -0.19 0.00	32.34 -0.33 0.00	28.75 -0.32 0.00	28.01 -0.34 0.00	28.34 -0.11 0.00	29.10 -0.24 0.00	31.69 -0.35 0.00	38.95 -0.59 0.00	36.70 -0.67 0.00	36.24 -0.74 0.00	35.53 -0.72 0.00	36.30 -0.93 0.00	35.21 -1.13 0.00	35.68 -1.10 0.00	37.74 -1.01 0.00	42.65 -0.96 0.00	46.45 -0.71 0.00	50.06 -0.82 0.00	55.44 -0.45 0.00	55.77 -0.06 0.00	53.69 0.00 0.00	48.48 0.15 0.00	43.21 -0.26 0.00	38.86 -0.35 0.00
GLENDALE_27_KV_LOAD 356172	42.23 3.13 -0.01	35.36 2.68 -0.01	31.31 2.24 -0.01	30.69 2.32 -0.01	30.68 2.22 -0.01	31.54 2.20 0.00	34.16 2.11 0.00	41.88 2.33 0.00	39.84 2.47 0.00	39.49 2.51 0.00	38.65 2.39 0.00	39.88 2.64 0.00	39.03 2.69 0.00	39.66 2.87 0.00	41.85 3.10 0.00	47.01 3.40 0.00	50.83 3.68 0.00	53.53 4.68 2.03	60.75 4.86 0.00	60.01 4.19 0.00	57.55 3.87 0.00	51.52 3.19 0.00	46.30 2.83 0.00	41.73 2.51 0.00
GLENWOOD_IC_1_G5 23712	42.07 2.97 0.00	35.28 2.61 0.00	31.19 2.12 0.00	30.62 2.27 0.00	30.55 2.11 0.00	31.48 2.14 0.00	34.13 2.08 0.00	41.68 2.14 0.00	39.69 2.32 0.00	39.30 2.33 0.00	38.75 2.39 -0.10	39.65 2.42 0.00	38.64 2.29 -0.01	39.29 2.50 -0.01	41.46 2.71 0.00	46.53 2.92 0.00	50.22 3.06 0.00	55.01 4.12 -0.01	60.08 4.19 0.00	59.57 3.74 0.00	57.13 3.44 0.00	51.33 3.00 0.00	46.04 2.56 0.00	41.41 2.20 0.00
GLENWOOD_IC_2_G1 23688	41.76 2.66 0.00	35.09 2.42 0.00	31.04 1.98 0.00	30.45 2.10 0.00	30.39 1.94 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.72 2.17 0.00	39.69 2.32 0.00	39.27 2.29 0.00	38.55 2.29 0.00	39.51 2.27 0.00	38.88 2.54 0.00	39.18 2.39 0.00	41.35 2.60 0.00	46.49 2.88 0.00	50.31 3.16 0.00	54.85 3.97 0.00	60.36 4.47 0.00	60.18 4.36 0.00	57.13 3.44 0.00	51.33 3.00 0.00	45.90 2.43 0.00	41.33 2.12 0.00
GLENWOOD_IC_3_G1 23689	41.76 2.66 0.00	35.09 2.42 0.00	31.04 1.98 0.00	30.45 2.10 0.00	30.39 1.94 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.72 2.17 0.00	39.69 2.32 0.00	39.27 2.29 0.00	38.55 2.29 0.00	39.51 2.27 0.00	38.88 2.54 0.00	39.18 2.39 0.00	41.35 2.60 0.00	46.49 2.88 0.00	50.31 3.16 0.00	54.85 3.97 0.00	60.36 4.47 0.00	60.18 4.36 0.00	57.13 3.44 0.00	51.33 3.00 0.00	45.90 2.43 0.00	41.33 2.12 0.00
GLENWOOD____4 23550	42.07 2.97 0.00	35.28 2.61 0.00	31.19 2.12 0.00	30.62 2.27 0.00	30.55 2.11 0.00	31.48 2.14 0.00	34.13 2.08 0.00	41.68 2.14 0.00	39.69 2.32 0.00	39.30 2.33 0.00	38.75 2.39 -0.10	39.65 2.42 0.00	38.64 2.29 -0.01	39.29 2.50 -0.01	41.46 2.71 0.00	46.53 2.92 0.00	50.26 3.11 0.00	55.06 4.17 -0.01	60.19 4.30 0.00	59.62 3.80 0.00	57.18 3.49 0.00	51.38 3.05 0.00	46.04 2.56 0.00	41.41 2.20 0.00
GLENWOOD____5 23614	42.07 2.97 0.00	35.28 2.61 0.00	31.19 2.12 0.00	30.62 2.27 0.00	30.55 2.11 0.00	31.48 2.14 0.00	34.13 2.08 0.00	41.68 2.14 0.00	39.69 2.32 0.00	39.30 2.33 0.00	38.75 2.39 -0.10	39.65 2.42 0.00	38.64 2.29 -0.01	39.29 2.50 -0.01	41.46 2.71 0.00	46.53 2.92 0.00	50.26 3.11 0.00	55.06 4.17 -0.01	60.19 4.30 0.00	59.62 3.80 0.00	57.18 3.49 0.00	51.38 3.05 0.00	46.04 2.56 0.00	41.41 2.20 0.00
GLOBAL GREEN_PORT_GT1 23814	42.19 3.09 0.00	35.74 3.07 0.00	31.54 2.47 0.00	31.16 2.81 0.00	30.90 2.45 0.00	31.83 2.49 0.00	34.48 2.43 0.00	42.24 2.69 0.00	40.33 2.95 0.00	39.82 2.85 0.00	38.85 2.57 -0.01	39.51 2.27 0.00	38.81 2.47 0.00	38.77 1.99 0.00	40.92 2.17 0.00	46.31 2.70 0.00	50.40 3.25 0.00	55.46 4.58 0.00	60.92 5.03 0.00	60.90 5.08 0.00	57.66 3.97 0.00	52.15 3.82 0.00	46.26 2.78 0.00	41.92 2.70 0.00
GLOBE____DSASP 323697	38.51 -0.59 0.00	31.07 -1.60 0.00	28.02 -1.05 0.00	27.16 -1.19 0.00	27.28 -1.17 0.00	28.02 -1.32 0.00	30.22 -1.83 0.00	37.37 -2.18 0.00	35.02 -2.35 0.00	34.31 -2.66 0.00	33.87 -2.39 0.00	34.40 -2.83 0.00	33.72 -2.62 0.00	33.81 -2.98 0.00	35.38 -3.37 0.00	40.03 -3.58 0.00	43.10 -4.06 0.00	45.38 -5.49 0.00	49.85 -6.04 0.00	50.35 -5.47 0.00	48.37 -5.32 0.00	44.08 -4.25 0.00	39.73 -3.74 0.00	37.22 -2.00 0.00
GOETHSLN____LBMP 323567	41.76 2.66 0.00	34.99 2.32 0.00	30.98 1.92 0.00	30.34 1.98 0.00	30.36 1.91 0.00	31.25 1.91 0.00	33.90 1.86 0.00	41.52 1.98 0.00	39.50 2.13 0.00	39.16 2.18 0.00	38.33 2.07 0.00	39.54 2.31 0.00	38.74 2.40 0.00	39.36 2.58 0.00	41.54 2.79 0.00	46.57 2.97 0.00	50.31 3.16 0.00	56.05 4.12 -1.05	60.19 4.30 0.00	59.51 3.68 0.00	57.02 3.33 0.00	51.14 2.80 0.00	45.86 2.39 0.00	41.29 2.08 0.00
GOLAH____69_KV_TB 1_2 80279	39.29 0.20 0.00	31.95 -0.72 0.00	28.75 -0.32 0.00	27.90 -0.45 0.00	28.05 -0.40 0.00	28.84 -0.50 0.00	31.21 -0.83 0.00	38.44 -1.11 0.00	36.14 -1.23 0.00	35.57 -1.41 0.00	35.03 -1.23 0.00	35.71 -1.53 0.00	34.92 -1.42 0.00	35.09 -1.69 0.00	36.81 -1.94 0.00	41.65 -1.96 0.00	44.89 -2.26 0.00	47.57 -3.31 0.00	52.31 -3.58 0.00	52.81 -3.01 0.00	50.79 -2.90 0.00	46.21 -2.13 0.00	41.56 -1.91 0.00	38.43 -0.78 0.00
GOODYEAR_LAKE_HYD 323669	40.58 1.49 0.00	33.78 1.11 0.00	30.05 0.99 0.00	29.29 0.94 0.00	29.47 1.02 0.00	30.34 1.00 0.00	33.01 0.96 0.00	40.58 1.03 0.00	38.31 0.93 0.00	37.86 0.89 0.00	37.20 0.94 0.00	38.13 0.89 0.00	37.10 0.76 0.00	37.60 0.81 0.00	39.68 0.93 0.00	44.70 1.09 0.00	48.47 1.32 0.00	52.05 1.17 0.00	57.34 1.45 0.00	57.33 1.51 0.00	55.09 1.40 0.00	49.64 1.31 0.00	44.56 1.09 0.00	40.24 1.02 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	39.72 0.63 0.00	32.87 0.20 0.00	29.33 0.26 0.00	28.55 0.20 0.00	28.71 0.26 0.00	29.55 0.21 0.00	32.14 0.10 0.00	39.63 0.08 0.00	37.30 -0.07 0.00	36.83 -0.15 0.00	36.19 -0.07 0.00	37.05 -0.19 0.00	36.12 -0.22 0.00	36.49 -0.29 0.00	38.40 -0.35 0.00	43.30 -0.31 0.00	46.82 -0.33 0.00	50.27 -0.61 0.00	55.22 -0.67 0.00	55.38 -0.45 0.00	53.21 -0.48 0.00	48.00 -0.34 0.00	43.12 -0.35 0.00	39.18 -0.04 0.00



GOUDEY___7 23579	39.72 0.63 0.00	32.87 0.20 0.00	29.33 0.26 0.00	28.55 0.20 0.00	28.71 0.26 0.00	29.55 0.21 0.00	32.14 0.10 0.00	39.63 0.08 0.00	37.30 -0.07 0.00	36.83 -0.15 0.00	36.19 -0.07 0.00	37.05 -0.19 0.00	36.12 -0.22 0.00	36.49 -0.29 0.00	38.40 -0.35 0.00	43.30 -0.31 0.00	46.82 -0.33 0.00	50.27 -0.61 0.00	55.22 -0.67 0.00	55.38 -0.45 0.00	53.21 -0.48 0.00	48.00 -0.34 0.00	43.12 -0.35 0.00	39.18 -0.04 0.00
GOUDEY___8 23580	39.72 0.63 0.00	32.87 0.20 0.00	29.33 0.26 0.00	28.55 0.20 0.00	28.71 0.26 0.00	29.55 0.21 0.00	32.14 0.10 0.00	39.63 0.08 0.00	37.30 -0.07 0.00	36.83 -0.15 0.00	36.19 -0.07 0.00	37.05 -0.19 0.00	36.12 -0.22 0.00	36.49 -0.29 0.00	38.40 -0.35 0.00	43.30 -0.31 0.00	46.82 -0.33 0.00	50.27 -0.61 0.00	55.22 -0.67 0.00	55.38 -0.45 0.00	53.21 -0.48 0.00	48.00 -0.34 0.00	43.12 -0.35 0.00	39.18 -0.04 0.00
GOWANUS_GT1_1 24077	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	68.83 4.78 -13.16	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT1_2 24078	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	68.83 4.78 -13.16	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT1_3 24079	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	68.83 4.78 -13.16	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT1_4 24080	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	68.83 4.78 -13.16	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT1_5 24084	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	68.83 4.78 -13.16	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT1_6 24111	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	68.83 4.78 -13.16	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT1_7 24112	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	68.83 4.78 -13.16	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT1_8 24113	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	68.83 4.78 -13.16	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT2_1 24114	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	59.38 4.63 -3.87	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT2_2 24115	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	59.38 4.63 -3.87	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT2_3 24116	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	59.38 4.63 -3.87	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT2_4 24117	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	59.38 4.63 -3.87	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT2_5 24118	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	59.38 4.63 -3.87	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01



GOWANUS_GT2_6 24119	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	59.38 4.63 -3.87	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT2_7 24120	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	59.38 4.63 -3.87	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT2_8 24121	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	59.38 4.63 -3.87	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT3_1 24122	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	68.67 4.63 -13.16	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT3_2 24123	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	68.67 4.63 -13.16	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT3_3 24124	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	68.67 4.63 -13.16	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT3_4 24125	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	68.67 4.63 -13.16	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT3_5 24126	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	68.67 4.63 -13.16	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT3_6 24127	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	68.67 4.63 -13.16	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT3_7 24128	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	68.67 4.63 -13.16	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT3_8 24129	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	68.67 4.63 -13.16	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT4_1 24130	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	59.53 4.78 -3.87	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT4_2 24131	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	59.53 4.78 -3.87	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT4_3 24132	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	59.53 4.78 -3.87	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT4_4 24133	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	59.53 4.78 -3.87	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01



GOWANUS_GT4_5 24134	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	59.53 4.78 -3.87	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT4_6 24135	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	59.53 4.78 -3.87	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT4_7 24136	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	59.53 4.78 -3.87	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GOWANUS_GT4_8 24137	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	59.53 4.78 -3.87	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GREATVRV_69_KV_BK1 356245	42.81 3.71 0.00	36.00 3.33 0.00	31.74 2.67 0.00	31.30 2.95 0.00	31.07 2.62 0.00	32.01 2.67 0.00	34.64 2.60 0.00	42.16 2.61 0.00	40.21 2.84 0.00	39.82 2.85 0.00	39.22 2.94 -0.02	39.99 2.76 0.00	38.63 2.29 0.00	39.36 2.58 0.00	41.50 2.75 0.00	46.62 3.01 0.00	50.59 3.44 0.00	55.61 4.73 0.00	60.64 4.75 0.00	60.18 4.35 0.00	57.72 4.03 0.00	52.15 3.82 0.00	46.38 2.91 0.00	41.77 2.55 0.00
GREENBSH_115KV_TB3 55895	39.96 0.86 0.00	33.52 0.85 0.00	29.76 0.70 0.00	29.06 0.71 0.00	29.13 0.68 0.00	30.10 0.76 0.00	32.65 0.61 0.00	39.98 0.44 0.00	37.86 0.49 0.00	37.45 0.48 0.00	36.66 0.40 0.00	37.72 0.48 0.00	36.89 0.55 0.00	37.41 0.63 0.00	39.37 0.62 0.00	44.26 0.65 0.00	47.91 0.75 0.00	51.90 1.02 0.00	57.12 1.23 0.00	56.83 1.00 0.00	54.76 1.07 0.00	49.06 0.73 0.00	44.17 0.70 0.00	39.65 0.43 0.00
GREENDGE_115KV_TB5 80291	39.96 0.86 0.00	32.77 0.10 0.00	29.33 0.26 0.00	28.52 0.17 0.00	28.71 0.26 0.00	29.49 0.15 0.00	32.11 0.06 0.00	39.63 0.08 0.00	37.19 -0.19 0.00	36.72 -0.26 0.00	36.08 -0.18 0.00	36.82 -0.41 0.00	35.91 -0.44 0.00	36.20 -0.59 0.00	38.05 -0.70 0.00	43.04 -0.57 0.00	46.49 -0.66 0.00	49.35 -1.53 0.00	54.32 -1.56 0.00	54.60 -1.23 0.00	52.51 -1.18 0.00	47.51 -0.82 0.00	42.95 -0.52 0.00	39.18 -0.04 0.00
GREENIDGE___3 23582	39.96 0.86 0.00	32.77 0.10 0.00	29.33 0.26 0.00	28.52 0.17 0.00	28.71 0.26 0.00	29.49 0.15 0.00	32.11 0.06 0.00	39.63 0.08 0.00	37.19 -0.19 0.00	36.72 -0.26 0.00	36.08 -0.18 0.00	36.82 -0.41 0.00	35.91 -0.44 0.00	36.20 -0.59 0.00	38.05 -0.70 0.00	43.04 -0.57 0.00	46.49 -0.66 0.00	49.35 -1.53 0.00	54.32 -1.56 0.00	54.60 -1.23 0.00	52.51 -1.18 0.00	47.51 -0.82 0.00	42.95 -0.52 0.00	39.18 -0.04 0.00
GREENIDGE___4 23583	39.96 0.86 0.00	32.77 0.10 0.00	29.33 0.26 0.00	28.52 0.17 0.00	28.73 0.28 0.00	29.49 0.15 0.00	32.11 0.06 0.00	39.63 0.08 0.00	37.15 -0.22 0.00	36.72 -0.26 0.00	36.08 -0.18 0.00	36.93 -0.30 0.00	35.87 -0.47 0.00	36.20 -0.59 0.00	38.05 -0.70 0.00	42.96 -0.65 0.00	46.02 -1.13 0.00	49.35 -1.53 0.00	54.38 -1.51 0.00	54.93 -0.90 0.00	52.51 -1.18 0.00	47.37 -0.97 0.00	42.91 -0.57 0.00	39.14 -0.08 0.00
GREENLWN_69_KV_BK 3 55738	42.11 3.01 0.00	35.41 2.74 0.00	31.22 2.15 0.00	30.73 2.38 0.00	30.55 2.11 0.00	31.51 2.17 0.00	34.13 2.08 0.00	41.56 2.02 0.00	39.65 2.28 0.00	39.27 2.29 0.00	38.71 2.43 -0.02	39.50 2.27 0.00	38.34 2.00 0.00	39.03 2.24 0.00	41.15 2.40 0.00	46.18 2.57 0.00	50.03 2.88 0.00	54.95 4.07 0.00	59.91 4.02 0.00	59.45 3.63 0.00	56.96 3.28 0.00	51.38 3.05 0.00	45.78 2.30 0.00	41.22 2.00 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	59.53 4.78 -3.87	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
GRISSOM___SOLAR 323813	41.72 2.62 0.00	34.76 2.09 0.00	30.90 1.83 0.00	30.11 1.76 0.00	30.21 1.76 0.00	31.19 1.85 0.00	33.94 1.89 0.00	41.48 1.94 0.00	39.06 1.68 0.00	38.53 1.55 0.00	37.85 1.59 0.00	38.83 1.60 0.00	37.94 1.60 0.00	38.48 1.69 0.00	40.61 1.86 0.00	45.79 2.18 0.00	49.74 2.59 0.00	53.57 2.69 0.00	59.24 3.35 0.00	59.34 3.52 0.00	56.96 3.28 0.00	50.94 2.61 0.00	45.90 2.43 0.00	41.29 2.08 0.00
GROVEVILLE___HYD 323602	41.64 2.54 0.00	34.89 2.22 0.00	30.90 1.83 0.00	30.22 1.87 0.00	30.24 1.79 0.00	31.16 1.82 0.00	33.81 1.76 0.00	41.37 1.82 0.00	39.32 1.94 0.00	38.90 1.92 0.00	38.00 1.74 0.00	39.13 1.90 0.00	38.27 1.93 0.00	38.88 2.10 0.00	41.11 2.36 0.00	45.96 2.35 0.00	49.79 2.64 0.00	54.34 3.46 0.00	59.58 3.69 0.00	59.34 3.52 0.00	56.96 3.28 0.00	51.09 2.76 0.00	45.82 2.35 0.00	41.18 1.96 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	39.18 0.08 0.00	32.57 -0.10 0.00	29.04 -0.03 0.00	28.27 -0.09 0.00	28.42 -0.03 0.00	29.25 -0.09 0.00	31.92 -0.13 0.00	39.19 -0.36 0.00	36.93 -0.45 0.00	36.57 -0.41 0.00	35.90 -0.36 0.00	36.79 -0.45 0.00	35.87 -0.47 0.00	36.27 -0.52 0.00	38.17 -0.58 0.00	43.04 -0.57 0.00	46.49 -0.66 0.00	50.01 -0.86 0.00	54.88 -1.01 0.00	54.93 -0.89 0.00	52.83 -0.86 0.00	47.66 -0.68 0.00	42.78 -0.70 0.00	38.71 -0.51 0.00
HAMLTNNY_34_KV_TB 80303	39.29 0.20 0.00	32.61 -0.07 0.00	29.07 0.00 0.00	28.32 -0.03 0.00	28.48 0.03 0.00	29.31 -0.03 0.00	31.95 -0.10 0.00	39.23 -0.32 0.00	36.96 -0.41 0.00	36.57 -0.41 0.00	35.93 -0.33 0.00	36.79 -0.45 0.00	35.87 -0.47 0.00	36.23 -0.55 0.00	38.17 -0.58 0.00	43.04 -0.57 0.00	46.49 -0.66 0.00	49.96 -0.92 0.00	54.88 -1.01 0.00	54.93 -0.89 0.00	52.83 -0.86 0.00	47.71 -0.63 0.00	42.82 -0.65 0.00	38.78 -0.43 0.00



HAMPSHIRE___PAPER_HYD 323593	37.38 -1.72 0.00	31.30 -1.37 0.00	27.82 -1.25 0.00	27.13 -1.22 0.00	27.31 -1.14 0.00	28.08 -1.26 0.00	30.76 -1.28 0.00	38.40 -1.15 0.00	36.25 -1.12 0.00	35.90 -1.07 0.00	35.21 -1.05 0.00	36.08 -1.15 0.00	35.11 -1.24 0.00	35.57 -1.21 0.00	37.51 -1.24 0.00	42.30 -1.31 0.00	45.69 -1.46 0.00	49.30 -1.58 0.00	54.10 -1.79 0.00	54.04 -1.79 0.00	52.35 -1.34 0.00	47.32 -1.02 0.00	42.56 -0.91 0.00	38.24 -0.98 0.00
HARDSCRABBLE_WT_PWR 323673	39.33 0.24 0.00	32.87 0.20 0.00	29.24 0.18 0.00	28.52 0.17 0.00	28.65 0.20 0.00	29.55 0.21 0.00	32.24 0.19 0.00	39.71 0.16 0.00	37.52 0.15 0.00	37.12 0.15 0.00	36.44 0.18 0.00	37.38 0.15 0.00	36.45 0.11 0.00	36.90 0.11 0.00	38.87 0.12 0.00	43.78 0.18 0.00	47.34 0.19 0.00	50.98 0.10 0.00	56.17 0.28 0.00	56.22 0.39 0.00	53.96 0.27 0.00	48.53 0.19 0.00	43.65 0.17 0.00	39.33 0.12 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	41.56 2.46 0.00	34.83 2.16 0.00	30.84 1.77 0.00	30.20 1.84 0.00	30.19 1.74 0.00	31.13 1.79 0.00	33.78 1.73 0.00	41.37 1.82 0.00	39.32 1.94 0.00	38.90 1.92 0.00	38.04 1.78 0.00	39.13 1.90 0.00	38.30 1.96 0.00	38.92 2.13 0.00	41.11 2.36 0.00	46.01 2.40 0.00	49.79 2.64 0.00	54.34 3.46 0.00	59.58 3.69 0.00	59.29 3.46 0.00	56.86 3.17 0.00	50.94 2.61 0.00	45.69 2.22 0.00	41.10 1.88 0.00
HARSNRAD_115KV_TB1 81005	39.14 0.04 0.00	31.49 -1.18 0.00	28.43 -0.64 0.00	27.53 -0.82 0.00	27.68 -0.77 0.00	28.40 -0.94 0.00	30.64 -1.41 0.00	37.89 -1.66 0.00	35.51 -1.87 0.00	34.83 -2.14 0.00	34.37 -1.89 0.00	34.93 -2.31 0.00	34.20 -2.14 0.00	34.28 -2.50 0.00	35.84 -2.91 0.00	40.60 -3.01 0.00	43.76 -3.40 0.00	46.10 -4.78 0.00	50.63 -5.25 0.00	51.14 -4.69 0.00	49.18 -4.51 0.00	44.81 -3.53 0.00	40.39 -3.09 0.00	37.73 -1.49 0.00
HARZA MOOSE___RIVER 24016	39.25 0.16 0.00	32.74 0.07 0.00	29.10 0.03 0.00	28.38 0.03 0.00	28.59 0.14 0.00	29.43 0.09 0.00	32.08 0.03 0.00	39.55 0.00 0.00	37.34 -0.04 0.00	36.90 -0.07 0.00	36.19 -0.07 0.00	37.05 -0.19 0.00	36.05 -0.29 0.00	36.49 -0.29 0.00	38.55 -0.19 0.00	43.52 -0.09 0.00	47.15 0.00 0.00	50.83 -0.05 0.00	56.06 0.17 0.00	56.10 0.28 0.00	54.01 0.32 0.00	48.67 0.34 0.00	43.60 0.13 0.00	39.26 0.04 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	39.02 -0.08 0.00	32.41 -0.26 0.00	28.89 -0.17 0.00	28.15 -0.20 0.00	28.31 -0.14 0.00	29.14 -0.21 0.00	31.76 -0.29 0.00	38.99 -0.55 0.00	36.74 -0.64 0.00	36.35 -0.63 0.00	35.72 -0.54 0.00	36.60 -0.63 0.00	35.69 -0.65 0.00	36.05 -0.74 0.00	37.97 -0.77 0.00	42.82 -0.78 0.00	46.26 -0.90 0.00	49.71 -1.17 0.00	54.55 -1.34 0.00	54.54 -1.28 0.00	52.51 -1.18 0.00	47.37 -0.97 0.00	42.52 -0.96 0.00	38.47 -0.75 0.00
HELLGATE_13_KV_LD 55870	42.27 3.17 -0.01	35.39 2.71 -0.01	31.34 2.27 -0.01	30.69 2.32 -0.01	30.68 2.22 -0.01	31.54 2.20 0.00	34.13 2.08 0.00	41.84 2.29 0.00	39.80 2.43 0.00	39.49 2.51 0.00	38.62 2.36 0.00	39.84 2.61 0.00	38.99 2.65 0.00	39.62 2.83 0.00	41.81 3.06 0.00	46.97 3.36 0.00	50.78 3.63 0.00	54.09 4.68 1.47	60.75 4.86 0.00	60.01 4.19 0.00	57.50 3.81 0.00	51.48 3.14 0.00	46.30 2.83 0.00	41.69 2.47 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	42.27 3.17 -0.01	35.39 2.71 -0.01	31.34 2.27 -0.01	30.69 2.32 -0.01	30.68 2.22 -0.01	31.54 2.20 0.00	34.13 2.08 0.00	41.84 2.29 0.00	39.80 2.43 0.00	39.49 2.51 0.00	38.62 2.36 0.00	39.84 2.61 0.00	38.99 2.65 0.00	39.62 2.83 0.00	41.81 3.06 0.00	46.97 3.36 0.00	50.78 3.63 0.00	54.09 4.68 1.47	60.75 4.86 0.00	60.01 4.19 0.00	57.50 3.81 0.00	51.48 3.14 0.00	46.30 2.83 0.00	41.69 2.47 0.00
HEMPSTEAD____ 23647	41.79 2.70 0.00	35.22 2.55 0.00	31.13 2.06 0.00	30.59 2.24 0.00	30.47 2.02 0.00	31.42 2.08 0.00	34.03 1.99 0.00	41.72 2.17 0.00	39.77 2.39 0.00	39.34 2.37 0.00	38.76 2.39 -0.10	39.47 2.23 0.00	38.97 2.62 -0.01	39.08 2.28 -0.01	41.19 2.44 0.00	46.31 2.70 0.00	50.13 2.97 0.00	54.86 3.97 -0.01	60.25 4.36 0.00	60.07 4.24 0.00	57.02 3.33 0.00	51.33 3.00 0.00	45.82 2.35 0.00	41.29 2.08 0.00
HICKLING___1 23621	40.00 0.90 0.00	32.80 0.13 0.00	29.39 0.32 0.00	28.55 0.20 0.00	28.73 0.28 0.00	29.52 0.18 0.00	32.11 0.06 0.00	39.71 0.16 0.00	37.22 -0.15 0.00	36.68 -0.30 0.00	36.08 -0.18 0.00	36.86 -0.37 0.00	35.94 -0.40 0.00	36.23 -0.55 0.00	38.09 -0.66 0.00	43.04 -0.57 0.00	46.45 -0.71 0.00	49.61 -1.27 0.00	54.55 -1.34 0.00	54.88 -0.95 0.00	52.78 -0.91 0.00	47.66 -0.68 0.00	42.82 -0.65 0.00	39.14 -0.08 0.00
HICKLING___2 23622	40.00 0.90 0.00	32.80 0.13 0.00	29.39 0.32 0.00	28.55 0.20 0.00	28.73 0.28 0.00	29.52 0.18 0.00	32.11 0.06 0.00	39.71 0.16 0.00	37.22 -0.15 0.00	36.68 -0.30 0.00	36.08 -0.18 0.00	36.86 -0.37 0.00	35.94 -0.40 0.00	36.23 -0.55 0.00	38.09 -0.66 0.00	43.04 -0.57 0.00	46.45 -0.71 0.00	49.61 -1.27 0.00	54.55 -1.34 0.00	54.88 -0.95 0.00	52.78 -0.91 0.00	47.66 -0.68 0.00	42.82 -0.65 0.00	39.14 -0.08 0.00
HIGH FALLS___HY 23754	41.80 2.70 0.00	35.02 2.35 0.00	30.98 1.92 0.00	30.31 1.96 0.00	30.36 1.91 0.00	31.25 1.91 0.00	33.94 1.89 0.00	41.48 1.94 0.00	39.43 2.06 0.00	39.01 2.03 0.00	38.04 1.78 0.00	39.17 1.94 0.00	38.30 1.96 0.00	38.92 2.13 0.00	41.15 2.40 0.00	45.96 2.35 0.00	49.79 2.64 0.00	54.44 3.56 0.00	59.63 3.74 0.00	59.51 3.68 0.00	57.07 3.38 0.00	51.23 2.90 0.00	45.91 2.43 0.00	41.26 2.04 0.00
HIGH_RIVER___SOLAR 323847	41.17 2.07 0.00	34.37 1.70 0.00	30.52 1.45 0.00	29.77 1.42 0.00	29.84 1.39 0.00	30.84 1.50 0.00	33.49 1.44 0.00	40.93 1.38 0.00	38.46 1.08 0.00	37.86 0.89 0.00	37.20 0.94 0.00	38.20 0.97 0.00	37.28 0.94 0.00	37.85 1.07 0.00	39.95 1.20 0.00	45.00 1.40 0.00	48.94 1.79 0.00	52.76 1.88 0.00	58.41 2.52 0.00	58.45 2.62 0.00	56.00 2.31 0.00	50.22 1.88 0.00	45.17 1.69 0.00	40.67 1.45 0.00
HILLBURN___GT 23639	41.56 2.46 0.00	34.83 2.16 0.00	30.87 1.80 0.00	30.20 1.84 0.00	30.21 1.76 0.00	31.13 1.79 0.00	33.81 1.76 0.00	41.52 1.98 0.00	39.50 2.13 0.00	39.04 2.07 0.00	38.22 1.96 0.00	39.32 2.08 0.00	38.52 2.18 0.00	39.03 2.24 0.00	41.23 2.48 0.00	46.27 2.66 0.00	50.08 2.92 0.00	54.54 3.67 0.00	60.08 4.19 0.00	59.96 4.13 0.00	56.96 3.28 0.00	51.04 2.71 0.00	45.73 2.26 0.00	41.18 1.96 0.00
HILLSIDE_115KV_TB1 80332	39.49 0.39 0.00	32.47 -0.20 0.00	29.07 0.00 0.00	28.24 -0.11 0.00	28.42 -0.03 0.00	29.22 -0.12 0.00	31.79 -0.26 0.00	39.27 -0.28 0.00	36.89 -0.49 0.00	36.31 -0.67 0.00	35.72 -0.54 0.00	36.49 -0.74 0.00	35.61 -0.73 0.00	35.90 -0.88 0.00	37.74 -1.01 0.00	42.61 -1.00 0.00	46.02 -1.13 0.00	49.25 -1.63 0.00	54.10 -1.79 0.00	54.43 -1.40 0.00	52.24 -1.45 0.00	47.17 -1.16 0.00	42.38 -1.09 0.00	38.71 -0.51 0.00



HISHELDN_WT_PWR 323625	39.57 0.47 0.00	31.98 -0.69 0.00	28.80 -0.26 0.00	27.93 -0.42 0.00	28.14 -0.31 0.00	28.84 -0.50 0.00	31.18 -0.86 0.00	38.52 -1.03 0.00	36.10 -1.27 0.00	35.49 -1.48 0.00	34.99 -1.27 0.00	35.82 -1.41 0.00	34.78 -1.56 0.00	34.91 -1.87 0.00	36.58 -2.17 0.00	41.25 -2.36 0.00	44.47 -2.69 0.00	47.27 -3.61 0.00	51.92 -3.97 0.00	52.86 -2.96 0.00	50.36 -3.33 0.00	45.48 -2.85 0.00	41.12 -2.35 0.00	38.12 -1.10 0.00
HOLTSVILLE_IC_1 23690	41.91 2.82 0.00	35.58 2.91 0.00	31.42 2.35 0.00	30.96 2.61 0.00	30.75 2.30 0.00	31.69 2.35 0.00	34.32 2.28 0.00	42.04 2.49 0.00	40.10 2.73 0.00	39.64 2.66 0.00	38.88 2.61 -0.01	39.54 2.31 0.00	38.96 2.62 0.00	38.92 2.13 0.00	41.00 2.25 0.00	46.18 2.57 0.00	50.13 2.97 0.00	54.89 4.02 0.00	60.30 4.41 0.00	60.23 4.41 0.00	57.13 3.44 0.00	51.57 3.24 0.00	45.90 2.43 0.00	41.37 2.16 0.00
HOLTSVILLE_IC_10 23699	42.15 3.05 0.00	35.74 3.07 0.00	31.57 2.50 0.00	31.10 2.75 0.00	30.90 2.45 0.00	31.83 2.49 0.00	34.45 2.40 0.00	42.20 2.65 0.00	40.29 2.92 0.00	39.78 2.81 0.00	39.07 2.79 -0.01	39.73 2.49 0.00	39.10 2.76 0.00	39.10 2.32 0.00	41.19 2.44 0.00	46.44 2.83 0.00	50.40 3.25 0.00	55.20 4.32 0.00	60.64 4.75 0.00	60.57 4.74 0.00	57.45 3.76 0.00	51.91 3.58 0.00	46.17 2.70 0.00	41.61 2.39 0.00
HOLTSVILLE_IC_2 23691	41.91 2.82 0.00	35.58 2.91 0.00	31.42 2.35 0.00	30.96 2.61 0.00	30.75 2.30 0.00	31.69 2.35 0.00	34.32 2.28 0.00	42.04 2.49 0.00	40.10 2.73 0.00	39.64 2.66 0.00	38.88 2.61 -0.01	39.54 2.31 0.00	38.96 2.62 0.00	38.92 2.13 0.00	41.00 2.25 0.00	46.18 2.57 0.00	50.13 2.97 0.00	54.89 4.02 0.00	60.30 4.41 0.00	60.23 4.41 0.00	57.13 3.44 0.00	51.57 3.24 0.00	45.90 2.43 0.00	41.37 2.16 0.00
HOLTSVILLE_IC_3 23692	41.91 2.82 0.00	35.58 2.91 0.00	31.42 2.35 0.00	30.96 2.61 0.00	30.75 2.30 0.00	31.69 2.35 0.00	34.32 2.28 0.00	42.04 2.49 0.00	40.10 2.73 0.00	39.64 2.66 0.00	38.88 2.61 -0.01	39.54 2.31 0.00	38.96 2.62 0.00	38.92 2.13 0.00	41.00 2.25 0.00	46.18 2.57 0.00	50.13 2.97 0.00	54.89 4.02 0.00	60.30 4.41 0.00	60.23 4.41 0.00	57.13 3.44 0.00	51.57 3.24 0.00	45.90 2.43 0.00	41.37 2.16 0.00
HOLTSVILLE_IC_4 23693	41.91 2.82 0.00	35.58 2.91 0.00	31.42 2.35 0.00	30.96 2.61 0.00	30.75 2.30 0.00	31.69 2.35 0.00	34.32 2.28 0.00	42.04 2.49 0.00	40.10 2.73 0.00	39.64 2.66 0.00	38.88 2.61 -0.01	39.54 2.31 0.00	38.96 2.62 0.00	38.92 2.13 0.00	41.00 2.25 0.00	46.18 2.57 0.00	50.13 2.97 0.00	54.89 4.02 0.00	60.30 4.41 0.00	60.23 4.41 0.00	57.13 3.44 0.00	51.57 3.24 0.00	45.90 2.43 0.00	41.37 2.16 0.00
HOLTSVILLE_IC_5 23694	41.91 2.82 0.00	35.58 2.91 0.00	31.42 2.35 0.00	30.96 2.61 0.00	30.75 2.30 0.00	31.69 2.35 0.00	34.32 2.28 0.00	42.04 2.49 0.00	40.10 2.73 0.00	39.64 2.66 0.00	38.88 2.61 -0.01	39.54 2.31 0.00	38.96 2.62 0.00	38.92 2.13 0.00	41.00 2.25 0.00	46.18 2.57 0.00	50.13 2.97 0.00	54.89 4.02 0.00	60.30 4.41 0.00	60.23 4.41 0.00	57.13 3.44 0.00	51.57 3.24 0.00	45.90 2.43 0.00	41.37 2.16 0.00
HOLTSVILLE_IC_6 23695	42.15 3.05 0.00	35.74 3.07 0.00	31.57 2.50 0.00	31.10 2.75 0.00	30.90 2.45 0.00	31.83 2.49 0.00	34.45 2.40 0.00	42.20 2.65 0.00	40.29 2.92 0.00	39.78 2.81 0.00	39.07 2.79 -0.01	39.73 2.49 0.00	39.10 2.76 0.00	39.10 2.32 0.00	41.19 2.44 0.00	46.44 2.83 0.00	50.40 3.25 0.00	55.20 4.32 0.00	60.64 4.75 0.00	60.57 4.74 0.00	57.45 3.76 0.00	51.91 3.58 0.00	46.17 2.70 0.00	41.61 2.39 0.00
HOLTSVILLE_IC_7 23696	42.15 3.05 0.00	35.74 3.07 0.00	31.57 2.50 0.00	31.10 2.75 0.00	30.90 2.45 0.00	31.83 2.49 0.00	34.45 2.40 0.00	42.20 2.65 0.00	40.29 2.92 0.00	39.78 2.81 0.00	39.07 2.79 -0.01	39.73 2.49 0.00	39.10 2.76 0.00	39.10 2.32 0.00	41.19 2.44 0.00	46.44 2.83 0.00	50.40 3.25 0.00	55.20 4.32 0.00	60.64 4.75 0.00	60.57 4.74 0.00	57.45 3.76 0.00	51.91 3.58 0.00	46.17 2.70 0.00	41.61 2.39 0.00
HOLTSVILLE_IC_8 23697	42.15 3.05 0.00	35.74 3.07 0.00	31.57 2.50 0.00	31.10 2.75 0.00	30.90 2.45 0.00	31.83 2.49 0.00	34.45 2.40 0.00	42.20 2.65 0.00	40.29 2.92 0.00	39.78 2.81 0.00	39.07 2.79 -0.01	39.73 2.49 0.00	39.10 2.76 0.00	39.10 2.32 0.00	41.19 2.44 0.00	46.44 2.83 0.00	50.40 3.25 0.00	55.20 4.32 0.00	60.64 4.75 0.00	60.57 4.74 0.00	57.45 3.76 0.00	51.91 3.58 0.00	46.17 2.70 0.00	41.61 2.39 0.00
HOLTSVILLE_IC_9 23698	42.15 3.05 0.00	35.74 3.07 0.00	31.57 2.50 0.00	31.10 2.75 0.00	30.90 2.45 0.00	31.83 2.49 0.00	34.45 2.40 0.00	42.20 2.65 0.00	40.29 2.92 0.00	39.78 2.81 0.00	39.07 2.79 -0.01	39.73 2.49 0.00	39.10 2.76 0.00	39.10 2.32 0.00	41.19 2.44 0.00	46.44 2.83 0.00	50.40 3.25 0.00	55.20 4.32 0.00	60.64 4.75 0.00	60.57 4.74 0.00	57.45 3.76 0.00	51.91 3.58 0.00	46.17 2.70 0.00	41.61 2.39 0.00
HOMER_HL_115KV_TB2 355744	39.49 0.39 0.00	31.89 -0.78 0.00	28.72 -0.35 0.00	27.84 -0.51 0.00	27.99 -0.46 0.00	28.72 -0.62 0.00	31.12 -0.93 0.00	38.64 -0.91 0.00	36.18 -1.20 0.00	35.42 -1.55 0.00	34.92 -1.34 0.00	35.60 -1.64 0.00	34.74 -1.60 0.00	34.91 -1.88 0.00	36.58 -2.17 0.00	41.38 -2.22 0.00	44.65 -2.50 0.00	47.47 -3.41 0.00	52.03 -3.86 0.00	52.64 -3.18 0.00	50.47 -3.22 0.00	45.63 -2.71 0.00	40.99 -2.48 0.00	37.96 -1.25 0.00
HOWARD_WT_PWR 323690	40.23 1.13 0.00	32.77 0.10 0.00	29.47 0.41 0.00	28.64 0.28 0.00	28.88 0.43 0.00	29.60 0.26 0.00	32.14 0.10 0.00	39.71 0.16 0.00	37.23 -0.15 0.00	36.64 -0.33 0.00	36.01 -0.25 0.00	36.86 -0.37 0.00	35.72 -0.62 0.00	35.90 -0.88 0.00	37.74 -1.01 0.00	42.61 -1.00 0.00	45.88 -1.27 0.00	49.05 -1.83 0.00	54.10 -1.79 0.00	54.93 -0.90 0.00	52.46 -1.23 0.00	47.32 -1.02 0.00	42.60 -0.87 0.00	39.10 -0.12 0.00
HQ_GEN_CEDARS 23644	37.89 -1.21 0.00	31.85 -0.82 0.00	28.31 -0.76 0.00	27.62 -0.74 0.00	27.71 -0.74 0.00	28.52 -0.82 0.00	31.40 -0.64 0.00	39.71 0.16 0.00	37.52 0.15 0.00	37.20 0.22 0.00	36.48 0.22 0.00	37.49 0.26 0.00	36.56 0.22 0.00	37.04 0.26 0.00	38.94 0.19 0.00	43.96 0.35 0.00	47.11 -0.05 0.00	50.68 -0.20 0.00	55.55 -0.34 0.00	55.60 -0.22 0.00	53.47 -0.21 0.00	48.38 0.05 0.00	43.99 0.52 0.00	39.49 0.27 0.00
HQ_GEN_CEDARS_PROXY 323590	37.89 -1.21 0.00	31.86 -0.82 0.00	28.31 -0.76 0.00	27.62 -0.74 0.00	27.71 -0.74 0.00	28.52 -0.82 0.00	31.40 -0.64 0.00	39.71 0.16 0.00	37.56 0.19 0.00	37.23 0.26 0.00	36.48 0.22 0.00	37.50 0.26 0.00	36.56 0.22 0.00	37.05 0.26 0.00	38.94 0.19 0.00	43.87 0.26 0.00	47.01 -0.14 0.00	50.68 -0.20 0.00	55.27 -0.61 0.00	54.93 -0.90 0.00	53.48 -0.21 0.00	48.38 0.05 0.00	43.95 0.48 0.00	39.49 0.28 0.00



HQ_GEN_IMPORT 323601	38.40 -0.70 0.00	32.15 -0.52 0.00	28.60 -0.47 0.00	27.90 -0.45 0.00	27.99 -0.46 0.00	28.87 -0.47 0.00	31.76 -0.29 0.00	39.63 0.08 0.00	37.45 0.07 0.00	37.09 0.11 0.00	36.37 0.11 0.00	37.35 0.11 0.00	36.45 0.11 0.00	36.90 0.11 0.00	38.83 0.08 0.00	43.70 0.09 0.00	47.20 0.05 0.00	50.88 0.00 0.00	55.61 -0.28 0.00	55.38 -0.45 0.00	53.74 0.05 0.00	48.43 0.10 0.00	43.65 0.17 0.00	39.33 0.12 0.00
HQ_GEN_WHEEL 23651	38.40 -0.70 0.00	32.15 -0.52 0.00	28.60 -0.47 0.00	27.90 -0.45 0.00	27.99 -0.46 0.00	28.87 -0.47 0.00	31.76 -0.29 0.00	39.63 0.08 0.00	37.45 0.07 0.00	37.09 0.11 0.00	36.37 0.11 0.00	37.35 0.11 0.00	36.45 0.11 0.00	36.90 0.11 0.00	38.83 0.08 0.00	43.70 0.09 0.00	47.20 0.05 0.00	50.88 0.00 0.00	55.61 -0.28 0.00	55.38 -0.45 0.00	53.74 0.05 0.00	48.43 0.10 0.00	43.65 0.17 0.00	39.33 0.12 0.00
HUDSON AVE_GT_3 23810	41.99 2.89 0.00	35.15 2.48 0.00	31.13 2.06 0.00	30.48 2.13 0.00	30.50 2.05 0.00	31.39 2.05 0.00	34.03 1.99 0.00	41.72 2.18 0.00	39.69 2.32 0.00	39.34 2.37 0.00	38.47 2.21 0.00	39.69 2.46 0.00	38.89 2.54 0.00	39.51 2.72 0.00	41.69 2.94 0.00	46.79 3.18 0.00	50.59 3.44 0.00	55.25 4.38 0.00	60.47 4.58 0.00	59.79 3.96 0.00	57.29 3.60 0.00	51.38 3.05 0.00	46.12 2.65 0.00	41.49 2.27 0.00
HUDSON AVE_GT_4 23540	41.99 2.89 0.00	35.15 2.48 0.00	31.13 2.06 0.00	30.48 2.13 0.00	30.50 2.05 0.00	31.39 2.05 0.00	34.03 1.99 0.00	41.72 2.18 0.00	39.69 2.32 0.00	39.34 2.37 0.00	38.47 2.21 0.00	39.69 2.46 0.00	38.89 2.54 0.00	39.51 2.72 0.00	41.69 2.94 0.00	46.79 3.18 0.00	50.59 3.44 0.00	55.25 4.38 0.00	60.47 4.58 0.00	59.79 3.96 0.00	57.29 3.60 0.00	51.38 3.05 0.00	46.12 2.65 0.00	41.49 2.27 0.00
HUDSON AVE_GT_5 23657	41.99 2.89 0.00	35.15 2.48 0.00	31.13 2.06 0.00	30.48 2.13 0.00	30.50 2.05 0.00	31.39 2.05 0.00	34.03 1.99 0.00	41.72 2.18 0.00	39.69 2.32 0.00	39.34 2.37 0.00	38.47 2.21 0.00	39.69 2.46 0.00	38.89 2.54 0.00	39.51 2.72 0.00	41.69 2.94 0.00	46.79 3.18 0.00	50.59 3.44 0.00	55.25 4.38 0.00	60.47 4.58 0.00	59.79 3.96 0.00	57.29 3.60 0.00	51.38 3.05 0.00	46.12 2.65 0.00	41.49 2.27 0.00
HUDSON_AVE_10 24168	41.91 2.82 0.00	35.12 2.45 0.00	31.10 2.03 0.00	30.45 2.10 0.00	30.47 2.02 0.00	31.37 2.02 0.00	34.00 1.95 0.00	41.68 2.14 0.00	39.69 2.32 0.00	39.34 2.37 0.00	38.44 2.18 0.00	39.65 2.42 0.00	38.85 2.51 0.00	39.47 2.69 0.00	41.65 2.91 0.00	46.75 3.14 0.00	50.55 3.40 0.00	55.25 4.38 0.00	60.47 4.58 0.00	59.79 3.96 0.00	57.29 3.60 0.00	51.38 3.05 0.00	46.12 2.65 0.00	41.45 2.24 0.00
HUDSON___115KV_TB 4 355613	40.58 1.49 0.00	34.01 1.34 0.00	30.20 1.13 0.00	29.46 1.11 0.00	29.53 1.08 0.00	30.48 1.14 0.00	33.10 1.06 0.00	40.34 0.79 0.00	38.12 0.75 0.00	37.68 0.70 0.00	36.88 0.62 0.00	37.90 0.67 0.00	37.03 0.69 0.00	37.56 0.77 0.00	39.52 0.77 0.00	44.48 0.87 0.00	48.24 1.08 0.00	52.30 1.42 0.00	57.62 1.73 0.00	57.56 1.73 0.00	55.46 1.77 0.00	49.74 1.40 0.00	44.78 1.30 0.00	40.20 0.98 0.00
HUNTER MOUNT___DRP 323613	40.66 1.56 0.00	34.08 1.40 0.00	30.23 1.16 0.00	29.52 1.16 0.00	29.56 1.11 0.00	30.51 1.17 0.00	33.13 1.09 0.00	40.65 1.11 0.00	38.42 1.05 0.00	37.90 0.92 0.00	36.91 0.65 0.00	37.87 0.63 0.00	37.00 0.65 0.00	37.56 0.77 0.00	39.68 0.93 0.00	44.26 0.65 0.00	48.05 0.90 0.00	52.10 1.22 0.00	57.34 1.45 0.00	57.50 1.67 0.00	55.41 1.72 0.00	49.74 1.40 0.00	44.78 1.30 0.00	40.24 1.02 0.00
HUNTINGTON_RES_REC 323705	41.99 2.89 0.00	35.51 2.84 0.00	31.36 2.30 0.00	30.88 2.52 0.00	30.70 2.25 0.00	31.63 2.29 0.00	34.25 2.21 0.00	42.00 2.45 0.00	40.07 2.69 0.00	39.60 2.63 0.00	38.92 2.65 -0.01	39.62 2.39 0.00	39.10 2.76 0.00	39.10 2.32 0.00	41.19 2.44 0.00	46.44 2.83 0.00	50.40 3.25 0.00	55.15 4.27 0.00	60.58 4.70 0.00	60.51 4.69 0.00	57.39 3.70 0.00	51.82 3.48 0.00	46.08 2.61 0.00	41.49 2.27 0.00
HUNTLEY___63 23557	39.53 0.43 0.00	31.76 -0.91 0.00	28.69 -0.38 0.00	27.76 -0.60 0.00	27.91 -0.54 0.00	28.64 -0.70 0.00	30.86 -1.19 0.00	38.20 -1.34 0.00	35.80 -1.57 0.00	35.09 -1.89 0.00	34.66 -1.60 0.00	35.22 -2.01 0.00	34.49 -1.85 0.00	34.58 -2.21 0.00	36.15 -2.60 0.00	40.95 -2.66 0.00	44.14 -3.02 0.00	46.50 -4.38 0.00	51.08 -4.81 0.00	51.58 -4.24 0.00	49.61 -4.08 0.00	45.19 -3.14 0.00	40.69 -2.78 0.00	38.00 -1.22 0.00
HUNTLEY___64 23558	39.53 0.43 0.00	31.76 -0.91 0.00	28.69 -0.38 0.00	27.76 -0.60 0.00	27.91 -0.54 0.00	28.64 -0.70 0.00	30.86 -1.19 0.00	38.20 -1.34 0.00	35.80 -1.57 0.00	35.09 -1.89 0.00	34.66 -1.60 0.00	35.22 -2.01 0.00	34.49 -1.85 0.00	34.58 -2.21 0.00	36.15 -2.60 0.00	40.95 -2.66 0.00	44.14 -3.02 0.00	46.50 -4.38 0.00	51.08 -4.81 0.00	51.58 -4.24 0.00	49.61 -4.08 0.00	45.19 -3.14 0.00	40.69 -2.78 0.00	38.00 -1.22 0.00
HUNTLEY___65 23559	39.53 0.43 0.00	31.76 -0.91 0.00	28.69 -0.38 0.00	27.76 -0.60 0.00	27.91 -0.54 0.00	28.64 -0.70 0.00	30.86 -1.19 0.00	38.20 -1.34 0.00	35.80 -1.57 0.00	35.09 -1.89 0.00	34.66 -1.60 0.00	35.22 -2.01 0.00	34.49 -1.85 0.00	34.58 -2.21 0.00	36.15 -2.60 0.00	40.95 -2.66 0.00	44.14 -3.02 0.00	46.50 -4.38 0.00	51.08 -4.81 0.00	51.58 -4.24 0.00	49.61 -4.08 0.00	45.19 -3.14 0.00	40.69 -2.78 0.00	38.00 -1.22 0.00
HUNTLEY___66 23560	39.53 0.43 0.00	31.76 -0.91 0.00	28.69 -0.38 0.00	27.76 -0.60 0.00	27.91 -0.54 0.00	28.64 -0.70 0.00	30.86 -1.19 0.00	38.20 -1.34 0.00	35.80 -1.57 0.00	35.09 -1.89 0.00	34.66 -1.60 0.00	35.22 -2.01 0.00	34.49 -1.85 0.00	34.58 -2.21 0.00	36.15 -2.60 0.00	40.95 -2.66 0.00	44.14 -3.02 0.00	46.50 -4.38 0.00	51.08 -4.81 0.00	51.58 -4.24 0.00	49.61 -4.08 0.00	45.19 -3.14 0.00	40.69 -2.78 0.00	38.00 -1.22 0.00
HUNTLEY___67 23561	39.22 0.12 0.00	31.63 -1.05 0.00	28.54 -0.52 0.00	27.62 -0.74 0.00	27.77 -0.68 0.00	28.52 -0.82 0.00	30.80 -1.25 0.00	38.08 -1.46 0.00	35.69 -1.68 0.00	34.98 -2.00 0.00	34.56 -1.70 0.00	35.11 -2.12 0.00	34.38 -1.96 0.00	34.47 -2.32 0.00	36.07 -2.67 0.00	40.82 -2.79 0.00	43.99 -3.16 0.00	46.40 -4.48 0.00	50.97 -4.92 0.00	51.47 -4.35 0.00	49.50 -4.19 0.00	45.00 -3.34 0.00	40.56 -2.91 0.00	37.84 -1.37 0.00
HUNTLEY___68 23562	39.22 0.12 0.00	31.63 -1.05 0.00	28.54 -0.52 0.00	27.62 -0.74 0.00	27.77 -0.68 0.00	28.52 -0.82 0.00	30.80 -1.25 0.00	38.08 -1.46 0.00	35.69 -1.68 0.00	34.98 -2.00 0.00	34.56 -1.70 0.00	35.11 -2.12 0.00	34.38 -1.96 0.00	34.47 -2.32 0.00	36.07 -2.67 0.00	40.82 -2.79 0.00	43.99 -3.16 0.00	46.40 -4.48 0.00	50.97 -4.92 0.00	51.47 -4.35 0.00	49.50 -4.19 0.00	45.00 -3.34 0.00	40.56 -2.91 0.00	37.84 -1.37 0.00



HYLAND___LFGE 323620	41.40 2.31 0.00	33.36 0.69 0.00	30.02 0.96 0.00	29.06 0.71 0.00	29.30 0.85 0.00	30.04 0.70 0.00	32.56 0.51 0.00	40.02 0.48 0.00	37.41 0.04 0.00	36.75 -0.22 0.00	35.93 -0.33 0.00	36.71 -0.52 0.00	35.51 -0.83 0.00	35.68 -1.10 0.00	37.51 -1.24 0.00	42.34 -1.27 0.00	45.98 -1.18 0.00	49.25 -1.63 0.00	54.60 -1.28 0.00	55.66 -0.17 0.00	53.42 -0.27 0.00	48.53 0.19 0.00	43.65 0.17 0.00	40.12 0.90 0.00
INDECK___CORINTH 23802	41.37 2.27 0.00	34.56 1.89 0.00	30.69 1.63 0.00	29.94 1.59 0.00	29.98 1.54 0.00	31.01 1.67 0.00	33.71 1.67 0.00	41.37 1.82 0.00	39.09 1.72 0.00	38.64 1.67 0.00	37.96 1.70 0.00	38.98 1.75 0.00	38.52 2.18 0.00	39.03 2.24 0.00	41.19 2.44 0.00	46.53 2.92 0.00	50.50 3.35 0.00	53.83 2.95 0.00	59.47 3.58 0.00	59.40 3.58 0.00	57.02 3.33 0.00	50.89 2.56 0.00	45.82 2.35 0.00	41.18 1.96 0.00
INDECK___ILION 23567	39.33 0.23 0.00	32.87 0.20 0.00	29.24 0.17 0.00	28.55 0.20 0.00	28.65 0.20 0.00	29.55 0.21 0.00	32.24 0.19 0.00	39.67 0.12 0.00	37.49 0.11 0.00	37.09 0.11 0.00	36.40 0.15 0.00	37.35 0.11 0.00	36.41 0.07 0.00	36.86 0.07 0.00	38.86 0.12 0.00	43.74 0.13 0.00	47.34 0.19 0.00	51.03 0.15 0.00	56.11 0.22 0.00	56.10 0.28 0.00	53.90 0.21 0.00	48.53 0.19 0.00	43.60 0.13 0.00	39.33 0.12 0.00
INDECK___OLEAN 23982	39.49 0.39 0.00	31.89 -0.78 0.00	28.72 -0.35 0.00	27.84 -0.51 0.00	28.05 -0.40 0.00	28.72 -0.62 0.00	31.11 -0.93 0.00	38.64 -0.91 0.00	36.18 -1.20 0.00	35.46 -1.52 0.00	34.96 -1.30 0.00	35.78 -1.45 0.00	34.74 -1.60 0.00	34.87 -1.91 0.00	36.58 -2.17 0.00	41.30 -2.31 0.00	44.42 -2.74 0.00	47.42 -3.46 0.00	52.14 -3.74 0.00	53.31 -2.51 0.00	50.47 -3.22 0.00	45.34 -3.00 0.00	40.95 -2.52 0.00	37.88 -1.33 0.00
INDECK___OSWEGO 23783	38.40 -0.70 0.00	31.98 -0.69 0.00	28.49 -0.58 0.00	27.79 -0.57 0.00	27.94 -0.51 0.00	28.75 -0.59 0.00	31.34 -0.71 0.00	38.36 -1.19 0.00	36.18 -1.20 0.00	35.79 -1.18 0.00	35.14 -1.12 0.00	36.04 -1.19 0.00	35.11 -1.24 0.00	35.54 -1.25 0.00	37.43 -1.32 0.00	42.17 -1.44 0.00	45.60 -1.55 0.00	49.10 -1.78 0.00	54.05 -1.84 0.00	54.15 -1.67 0.00	51.97 -1.72 0.00	46.79 -1.55 0.00	42.04 -1.43 0.00	38.00 -1.22 0.00
INDECK___YERKES 23781	39.61 0.51 0.00	31.79 -0.88 0.00	28.72 -0.35 0.00	27.79 -0.57 0.00	27.99 -0.46 0.00	28.67 -0.67 0.00	30.89 -1.15 0.00	38.20 -1.34 0.00	35.77 -1.61 0.00	35.16 -1.81 0.00	34.70 -1.56 0.00	35.52 -1.71 0.00	34.49 -1.85 0.00	34.58 -2.21 0.00	36.19 -2.56 0.00	40.82 -2.79 0.00	43.99 -3.16 0.00	46.55 -4.32 0.00	51.14 -4.75 0.00	52.03 -3.80 0.00	49.61 -4.08 0.00	44.85 -3.48 0.00	40.69 -2.78 0.00	37.96 -1.26 0.00
INDIAN POINT_GT_1 24139	41.52 2.42 0.00	34.79 2.12 0.00	30.81 1.74 0.00	30.17 1.81 0.00	30.19 1.74 0.00	31.10 1.76 0.00	33.74 1.70 0.00	41.37 1.82 0.00	39.28 1.91 0.00	38.90 1.92 0.00	38.11 1.85 0.00	39.28 2.05 0.00	38.41 2.07 0.00	39.03 2.24 0.00	41.23 2.48 0.00	46.27 2.66 0.00	50.08 2.92 0.00	54.64 3.77 0.00	59.91 4.02 0.00	59.40 3.57 0.00	56.96 3.28 0.00	50.99 2.66 0.00	45.73 2.26 0.00	41.14 1.92 0.00
INDIAN POINT_GT_2 23659	41.52 2.42 0.00	34.79 2.12 0.00	30.81 1.74 0.00	30.17 1.81 0.00	30.19 1.74 0.00	31.10 1.76 0.00	33.74 1.70 0.00	41.37 1.82 0.00	39.28 1.91 0.00	38.90 1.92 0.00	38.11 1.85 0.00	39.28 2.05 0.00	38.41 2.07 0.00	39.03 2.24 0.00	41.23 2.48 0.00	46.27 2.66 0.00	50.08 2.92 0.00	54.64 3.77 0.00	59.91 4.02 0.00	59.40 3.57 0.00	56.96 3.28 0.00	50.99 2.66 0.00	45.73 2.26 0.00	41.14 1.92 0.00
INDIAN POINT_GT_3 24019	41.52 2.42 0.00	34.79 2.12 0.00	30.81 1.74 0.00	30.17 1.81 0.00	30.19 1.74 0.00	31.10 1.76 0.00	33.74 1.70 0.00	41.37 1.82 0.00	39.28 1.91 0.00	38.90 1.92 0.00	38.11 1.85 0.00	39.28 2.05 0.00	38.41 2.07 0.00	39.03 2.24 0.00	41.23 2.48 0.00	46.27 2.66 0.00	50.08 2.92 0.00	54.64 3.77 0.00	59.91 4.02 0.00	59.40 3.57 0.00	56.96 3.28 0.00	50.99 2.66 0.00	45.73 2.26 0.00	41.14 1.92 0.00
INDIAN POINT___2 23530	41.48 2.39 0.00	34.76 2.09 0.00	30.81 1.74 0.00	30.14 1.79 0.00	30.16 1.71 0.00	31.10 1.76 0.00	33.74 1.70 0.00	41.45 1.90 0.00	39.39 2.02 0.00	38.97 2.00 0.00	38.18 1.92 0.00	39.24 2.01 0.00	38.49 2.14 0.00	38.99 2.21 0.00	41.19 2.44 0.00	46.27 2.66 0.00	50.03 2.88 0.00	54.49 3.61 0.00	60.02 4.14 0.00	59.85 4.02 0.00	56.86 3.17 0.00	50.94 2.61 0.00	45.69 2.22 0.00	41.10 1.88 0.00
INDIAN POINT___3 23531	41.48 2.38 0.00	34.76 2.09 0.00	30.81 1.74 0.00	30.14 1.79 0.00	30.16 1.71 0.00	31.07 1.73 0.00	33.71 1.67 0.00	41.33 1.78 0.00	39.28 1.91 0.00	38.86 1.89 0.00	38.07 1.81 0.00	39.21 1.97 0.00	38.38 2.04 0.00	38.96 2.17 0.00	41.15 2.40 0.00	46.18 2.57 0.00	49.98 2.83 0.00	54.49 3.61 0.00	59.74 3.86 0.00	59.29 3.46 0.00	56.86 3.17 0.00	50.94 2.61 0.00	45.69 2.22 0.00	41.06 1.84 0.00
INGHAM_C_115KV_TB7 356103	39.33 0.23 0.00	32.87 0.20 0.00	29.24 0.17 0.00	28.55 0.20 0.00	28.68 0.23 0.00	29.58 0.23 0.00	32.27 0.22 0.00	39.71 0.16 0.00	37.52 0.15 0.00	37.12 0.15 0.00	36.44 0.18 0.00	37.38 0.15 0.00	36.45 0.11 0.00	36.90 0.11 0.00	38.86 0.12 0.00	43.78 0.17 0.00	47.34 0.19 0.00	51.03 0.15 0.00	56.11 0.22 0.00	56.10 0.28 0.00	53.96 0.27 0.00	48.58 0.24 0.00	43.65 0.17 0.00	39.37 0.16 0.00
IP CORINTH___1 23988	41.37 2.27 0.00	34.57 1.89 0.00	30.69 1.63 0.00	29.94 1.59 0.00	29.99 1.54 0.00	31.01 1.67 0.00	33.71 1.67 0.00	41.33 1.78 0.00	39.02 1.64 0.00	38.60 1.63 0.00	37.93 1.67 0.00	38.95 1.71 0.00	38.49 2.14 0.00	39.03 2.24 0.00	41.19 2.44 0.00	45.05 1.44 0.00	48.71 1.56 0.00	52.46 1.58 0.00	57.79 1.90 0.00	57.56 1.73 0.00	55.57 1.88 0.00	49.54 1.21 0.00	44.73 1.26 0.00	41.14 1.92 0.00
IP___TICONDEROGA 23804	42.58 3.48 0.00	35.51 2.84 0.00	31.57 2.50 0.00	30.76 2.41 0.00	30.78 2.33 0.00	31.83 2.49 0.00	34.67 2.63 0.00	42.39 2.85 0.00	39.95 2.58 0.00	39.49 2.51 0.00	38.83 2.57 0.00	39.84 2.61 0.00	39.25 2.91 0.00	39.80 3.02 0.00	42.04 3.29 0.00	46.31 2.70 0.00	50.17 3.02 0.00	54.08 3.21 0.00	59.63 3.74 0.00	59.45 3.63 0.00	57.55 3.87 0.00	51.09 2.76 0.00	46.17 2.70 0.00	42.27 3.06 0.00
ISLIP_RES_REC 323679	42.30 3.21 0.00	35.87 3.20 0.00	31.68 2.62 0.00	31.22 2.86 0.00	31.01 2.56 0.00	31.95 2.61 0.00	34.58 2.53 0.00	42.36 2.81 0.00	40.44 3.07 0.00	39.93 2.96 0.00	39.21 2.94 -0.01	39.88 2.64 0.00	39.25 2.91 0.00	39.21 2.43 0.00	41.35 2.60 0.00	46.62 3.01 0.00	50.59 3.44 0.00	55.46 4.58 0.00	60.92 5.03 0.00	60.85 5.03 0.00	57.72 4.03 0.00	52.15 3.82 0.00	46.34 2.87 0.00	41.76 2.55 0.00



JAMAICA__27_KV_LOAD 355505	42.11 3.01 0.00	35.28 2.61 0.00	31.25 2.18 0.00	30.59 2.24 0.00	30.58 2.13 0.00	31.51 2.17 0.00	34.19 2.15 0.00	41.88 2.33 0.00	39.88 2.50 0.00	39.56 2.59 0.00	38.62 2.36 0.00	39.84 2.61 0.00	39.03 2.69 0.00	39.69 2.91 0.00	41.85 3.10 0.00	47.05 3.45 0.00	50.88 3.73 0.00	55.61 4.73 0.00	60.81 4.92 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.62 3.29 0.00	46.43 2.96 0.00	41.69 2.47 0.00
JANIS__SOLAR 323808	40.94 1.84 0.00	33.84 1.17 0.00	30.20 1.13 0.00	29.40 1.05 0.00	29.70 1.25 0.00	30.52 1.17 0.00	33.23 1.19 0.00	40.81 1.27 0.00	38.34 0.97 0.00	37.79 0.81 0.00	37.09 0.83 0.00	37.90 0.67 0.00	36.74 0.40 0.00	37.19 0.41 0.00	39.25 0.50 0.00	44.43 0.83 0.00	48.24 1.09 0.00	51.95 1.07 0.00	57.45 1.56 0.00	57.89 2.07 0.00	55.36 1.67 0.00	49.98 1.64 0.00	44.69 1.22 0.00	40.43 1.22 0.00
JARVIS____ 23743	39.26 0.16 0.00	32.80 0.13 0.00	29.15 0.09 0.00	28.47 0.11 0.00	28.56 0.11 0.00	29.46 0.12 0.00	32.11 0.06 0.00	39.51 -0.04 0.00	37.34 -0.04 0.00	36.94 -0.04 0.00	36.22 -0.04 0.00	37.20 -0.04 0.00	36.31 -0.04 0.00	36.75 -0.04 0.00	38.71 -0.04 0.00	43.56 -0.04 0.00	47.15 0.00 0.00	50.88 0.00 0.00	56.00 0.11 0.00	55.99 0.17 0.00	53.74 0.05 0.00	48.33 0.00 0.00	43.47 0.00 0.00	39.18 -0.04 0.00
JENNISON____1 23625	41.05 1.95 0.00	34.01 1.34 0.00	30.32 1.25 0.00	29.52 1.16 0.00	29.82 1.37 0.00	30.66 1.32 0.00	33.33 1.28 0.00	41.01 1.46 0.00	38.64 1.27 0.00	38.12 1.15 0.00	37.49 1.23 0.00	38.31 1.08 0.00	37.18 0.84 0.00	37.63 0.85 0.00	39.76 1.01 0.00	44.96 1.35 0.00	48.76 1.60 0.00	52.30 1.42 0.00	57.73 1.84 0.00	57.89 2.07 0.00	55.62 1.93 0.00	50.22 1.89 0.00	44.86 1.39 0.00	40.59 1.37 0.00
JENNISON____2 23626	41.05 1.95 0.00	34.01 1.34 0.00	30.32 1.25 0.00	29.52 1.16 0.00	29.82 1.37 0.00	30.66 1.32 0.00	33.33 1.28 0.00	41.01 1.46 0.00	38.64 1.27 0.00	38.12 1.15 0.00	37.49 1.23 0.00	38.31 1.08 0.00	37.18 0.84 0.00	37.63 0.85 0.00	39.76 1.01 0.00	44.96 1.35 0.00	48.76 1.60 0.00	52.30 1.42 0.00	57.73 1.84 0.00	57.89 2.07 0.00	55.62 1.93 0.00	50.22 1.89 0.00	44.86 1.39 0.00	40.59 1.37 0.00
JERICOHO_RISE_WT_PWR 323719	37.61 -1.49 0.00	31.72 -0.95 0.00	28.28 -0.78 0.00	27.67 -0.68 0.00	27.80 -0.65 0.00	28.67 -0.67 0.00	31.63 -0.42 0.00	39.79 0.24 0.00	37.64 0.26 0.00	37.34 0.37 0.00	36.62 0.36 0.00	37.61 0.37 0.00	36.70 0.36 0.00	37.15 0.37 0.00	39.10 0.35 0.00	44.00 0.39 0.00	47.44 0.28 0.00	51.24 0.36 0.00	55.83 -0.06 0.00	55.49 -0.33 0.00	54.01 0.32 0.00	48.87 0.53 0.00	44.04 0.56 0.00	39.61 0.39 0.00
KATONAH__115KV_46KV_TB4 355592	41.64 2.54 0.00	34.89 2.22 0.00	30.90 1.83 0.00	30.22 1.87 0.00	30.24 1.79 0.00	31.19 1.85 0.00	33.84 1.79 0.00	41.45 1.90 0.00	39.39 2.02 0.00	39.04 2.07 0.00	38.33 2.07 0.00	39.50 2.27 0.00	38.67 2.33 0.00	39.25 2.46 0.00	41.54 2.79 0.00	46.70 3.10 0.00	50.55 3.40 0.00	55.20 4.32 0.00	60.58 4.69 0.00	59.96 4.13 0.00	57.55 3.87 0.00	51.43 3.09 0.00	46.08 2.61 0.00	41.41 2.20 0.00
KCE_NY_1 323755	41.21 2.11 0.00	34.47 1.80 0.00	30.61 1.54 0.00	29.85 1.50 0.00	29.90 1.45 0.00	30.92 1.58 0.00	33.61 1.57 0.00	41.21 1.66 0.00	38.91 1.53 0.00	38.49 1.52 0.00	37.75 1.49 0.00	38.76 1.53 0.00	38.12 1.78 0.00	38.62 1.84 0.00	40.76 2.01 0.00	46.01 2.40 0.00	49.89 2.73 0.00	53.52 2.64 0.00	59.13 3.24 0.00	59.06 3.24 0.00	56.64 2.95 0.00	50.70 2.37 0.00	45.60 2.13 0.00	40.98 1.77 0.00
KCE_NY_6_ESR 323823	39.72 0.62 0.00	31.95 -0.72 0.00	28.83 -0.23 0.00	27.90 -0.45 0.00	28.11 -0.34 0.00	28.78 -0.56 0.00	31.08 -0.96 0.00	38.44 -1.11 0.00	36.03 -1.34 0.00	35.39 -1.59 0.00	34.88 -1.38 0.00	35.74 -1.49 0.00	34.67 -1.67 0.00	34.80 -1.99 0.00	36.42 -2.32 0.00	41.12 -2.48 0.00	44.27 -2.88 0.00	47.01 -3.87 0.00	51.64 -4.25 0.00	52.53 -3.29 0.00	50.09 -3.60 0.00	45.19 -3.14 0.00	40.95 -2.52 0.00	38.12 -1.10 0.00
KEDC PORT_JEFF_GT2 24210	42.15 3.05 0.00	35.74 3.07 0.00	31.57 2.50 0.00	31.10 2.75 0.00	30.90 2.45 0.00	31.83 2.49 0.00	34.45 2.40 0.00	42.24 2.69 0.00	40.29 2.92 0.00	39.82 2.85 0.00	39.10 2.83 -0.01	39.77 2.53 0.00	39.14 2.80 0.00	39.14 2.36 0.00	41.23 2.48 0.00	46.53 2.92 0.00	50.50 3.35 0.00	55.10 4.22 0.00	60.52 4.64 0.00	60.46 4.63 0.00	57.34 3.65 0.00	51.96 3.63 0.00	46.21 2.74 0.00	41.65 2.43 0.00
KEDC PORT_JEFF_GT3 24211	42.15 3.05 0.00	35.74 3.07 0.00	31.57 2.50 0.00	31.10 2.75 0.00	30.90 2.45 0.00	31.83 2.49 0.00	34.45 2.40 0.00	42.24 2.69 0.00	40.29 2.92 0.00	39.82 2.85 0.00	39.10 2.83 -0.01	39.77 2.53 0.00	39.14 2.80 0.00	39.14 2.36 0.00	41.23 2.48 0.00	46.53 2.92 0.00	50.50 3.35 0.00	55.10 4.22 0.00	60.52 4.64 0.00	60.46 4.63 0.00	57.34 3.65 0.00	51.96 3.63 0.00	46.21 2.74 0.00	41.65 2.43 0.00
KEDC_GLWD_GT4 24219	41.95 2.85 0.00	35.25 2.58 0.00	31.19 2.12 0.00	30.62 2.27 0.00	30.53 2.08 0.00	31.48 2.14 0.00	34.10 2.05 0.00	41.88 2.33 0.00	39.88 2.50 0.00	39.45 2.48 0.00	38.82 2.47 -0.10	39.69 2.46 0.00	39.07 2.73 -0.01	39.33 2.54 -0.01	41.50 2.75 0.00	46.66 3.05 0.00	50.36 3.21 0.00	54.96 4.07 -0.01	60.47 4.58 0.00	60.23 4.41 0.00	57.23 3.54 0.00	51.43 3.10 0.00	46.08 2.61 0.00	41.49 2.27 0.00
KEDC_GLWD_GT5 24220	41.95 2.85 0.00	35.25 2.58 0.00	31.19 2.12 0.00	30.62 2.27 0.00	30.53 2.08 0.00	31.48 2.14 0.00	34.10 2.05 0.00	41.88 2.33 0.00	39.88 2.50 0.00	39.45 2.48 0.00	38.82 2.47 -0.10	39.69 2.46 0.00	39.07 2.73 -0.01	39.33 2.54 -0.01	41.50 2.75 0.00	46.66 3.05 0.00	50.36 3.21 0.00	54.96 4.07 -0.01	60.47 4.58 0.00	60.23 4.41 0.00	57.23 3.54 0.00	51.43 3.10 0.00	46.08 2.61 0.00	41.49 2.27 0.00
KENSICO____ 23655	41.60 2.50 0.00	34.86 2.19 0.00	30.90 1.83 0.00	30.25 1.90 0.00	30.24 1.79 0.00	31.16 1.82 0.00	33.81 1.76 0.00	41.45 1.90 0.00	39.39 2.02 0.00	39.01 2.03 0.00	38.18 1.92 0.00	39.36 2.12 0.00	38.49 2.14 0.00	39.10 2.32 0.00	41.31 2.56 0.00	46.36 2.75 0.00	50.17 3.02 0.00	54.75 3.87 0.00	60.02 4.14 0.00	59.45 3.63 0.00	57.02 3.33 0.00	51.09 2.76 0.00	45.82 2.35 0.00	41.22 2.00 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	41.72 2.62 0.00	34.96 2.29 0.00	30.96 1.89 0.00	30.28 1.93 0.00	30.30 1.85 0.00	31.22 1.88 0.00	33.90 1.86 0.00	41.45 1.90 0.00	39.39 2.02 0.00	38.93 1.96 0.00	38.00 1.74 0.00	39.10 1.86 0.00	38.23 1.89 0.00	38.85 2.06 0.00	41.07 2.32 0.00	45.92 2.31 0.00	49.70 2.55 0.00	54.29 3.41 0.00	59.52 3.63 0.00	59.45 3.63 0.00	56.96 3.28 0.00	51.19 2.85 0.00	45.86 2.39 0.00	41.26 2.04 0.00



KIAC_JFK_GT1 23816	41.84 2.74 0.00	35.09 2.42 0.00	31.10 2.03 0.00	30.45 2.10 0.00	30.44 1.99 0.00	31.37 2.02 0.00	34.00 1.95 0.00	41.64 2.10 0.00	39.69 2.32 0.00	39.38 2.40 0.00	38.40 2.14 0.00	39.62 2.38 0.00	38.85 2.51 0.00	39.47 2.69 0.00	41.62 2.87 0.00	46.75 3.14 0.00	50.55 3.40 0.00	55.25 4.38 0.00	60.41 4.53 0.00	59.68 3.85 0.00	57.18 3.49 0.00	51.33 3.00 0.00	46.12 2.65 0.00	41.41 2.20 0.00
KIAC_JFK_GT2 23817	41.84 2.74 0.00	35.09 2.42 0.00	31.10 2.03 0.00	30.45 2.10 0.00	30.44 1.99 0.00	31.37 2.02 0.00	34.00 1.95 0.00	41.64 2.10 0.00	39.69 2.32 0.00	39.38 2.40 0.00	38.40 2.14 0.00	39.62 2.38 0.00	38.85 2.51 0.00	39.47 2.69 0.00	41.62 2.87 0.00	46.75 3.14 0.00	50.55 3.40 0.00	55.25 4.38 0.00	60.41 4.53 0.00	59.68 3.85 0.00	57.18 3.49 0.00	51.33 3.00 0.00	46.12 2.65 0.00	41.41 2.20 0.00
KIAC_JFK____ 323774	41.87 2.78 0.00	35.09 2.42 0.00	31.10 2.03 0.00	30.42 2.07 0.00	30.41 1.96 0.00	31.36 2.02 0.00	34.00 1.96 0.00	41.80 2.25 0.00	39.84 2.47 0.00	39.45 2.48 0.00	38.51 2.25 0.00	39.65 2.42 0.00	38.96 2.62 0.00	39.47 2.68 0.00	41.62 2.87 0.00	46.79 3.18 0.00	50.55 3.40 0.00	55.15 4.27 0.00	60.70 4.81 0.00	60.23 4.41 0.00	57.23 3.54 0.00	51.33 3.00 0.00	46.12 2.65 0.00	41.41 2.19 0.00
KINTIGH__24_KV_GSU 356498	39.02 -0.08 0.00	31.69 -0.98 0.00	28.51 -0.55 0.00	27.64 -0.71 0.00	27.80 -0.65 0.00	28.55 -0.79 0.00	30.86 -1.19 0.00	38.12 -1.42 0.00	35.77 -1.61 0.00	35.13 -1.85 0.00	34.66 -1.60 0.00	35.26 -1.97 0.00	34.52 -1.82 0.00	34.69 -2.10 0.00	36.31 -2.44 0.00	41.08 -2.53 0.00	44.28 -2.88 0.00	46.81 -4.07 0.00	51.42 -4.47 0.00	51.86 -3.96 0.00	49.82 -3.87 0.00	45.29 -3.05 0.00	40.82 -2.65 0.00	37.92 -1.29 0.00
KINTIGH____ 23543	39.02 -0.08 0.00	31.69 -0.98 0.00	28.51 -0.55 0.00	27.64 -0.71 0.00	27.80 -0.65 0.00	28.55 -0.79 0.00	30.86 -1.19 0.00	38.12 -1.42 0.00	35.77 -1.61 0.00	35.13 -1.85 0.00	34.66 -1.60 0.00	35.26 -1.97 0.00	34.52 -1.82 0.00	34.69 -2.10 0.00	36.31 -2.44 0.00	41.08 -2.53 0.00	44.28 -2.88 0.00	46.81 -4.07 0.00	51.42 -4.47 0.00	51.86 -3.96 0.00	49.82 -3.87 0.00	45.29 -3.05 0.00	40.82 -2.65 0.00	37.92 -1.29 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	38.32 -0.78 0.00	32.31 -0.36 0.00	28.81 -0.26 0.00	28.13 -0.23 0.00	28.28 -0.17 0.00	29.11 -0.23 0.00	32.08 0.03 0.00	40.34 0.79 0.00	38.16 0.78 0.00	37.86 0.89 0.00	37.13 0.87 0.00	38.16 0.93 0.00	37.21 0.87 0.00	37.67 0.88 0.00	39.64 0.89 0.00	44.70 1.09 0.00	48.28 1.13 0.00	51.95 1.07 0.00	56.95 1.06 0.00	56.94 1.12 0.00	54.82 1.13 0.00	49.59 1.26 0.00	44.78 1.30 0.00	40.16 0.94 0.00
LACHUTE____HYDRO 323717	42.58 3.48 0.00	35.51 2.84 0.00	31.57 2.50 0.00	30.76 2.41 0.00	30.78 2.33 0.00	31.83 2.49 0.00	34.67 2.63 0.00	42.43 2.89 0.00	39.99 2.62 0.00	39.52 2.55 0.00	38.87 2.61 0.00	39.92 2.68 0.00	39.32 2.98 0.00	39.80 3.02 0.00	42.04 3.29 0.00	47.62 4.01 0.00	51.78 4.62 0.00	55.30 4.42 0.00	61.14 5.25 0.00	61.18 5.36 0.00	58.84 5.15 0.00	52.30 3.96 0.00	47.08 3.61 0.00	42.31 3.10 0.00
LAWRNCV_115KV_TB1 80681	37.10 -1.99 0.00	31.23 -1.44 0.00	27.76 -1.31 0.00	27.05 -1.30 0.00	27.20 -1.25 0.00	27.96 -1.38 0.00	30.80 -1.25 0.00	38.91 -0.63 0.00	36.81 -0.56 0.00	36.46 -0.52 0.00	35.75 -0.51 0.00	36.75 -0.48 0.00	35.80 -0.55 0.00	36.27 -0.52 0.00	38.17 -0.58 0.00	43.13 -0.48 0.00	46.26 -0.90 0.00	49.81 -1.07 0.00	54.66 -1.23 0.00	54.65 -1.17 0.00	52.62 -1.07 0.00	47.61 -0.73 0.00	43.21 -0.26 0.00	38.78 -0.43 0.00
LEDERLE____ 23769	41.68 2.58 0.00	34.92 2.25 0.00	30.93 1.86 0.00	30.28 1.93 0.00	30.27 1.82 0.00	31.22 1.88 0.00	33.87 1.83 0.00	41.52 1.98 0.00	39.47 2.09 0.00	39.04 2.07 0.00	38.18 1.92 0.00	39.36 2.12 0.00	38.49 2.14 0.00	39.10 2.32 0.00	41.31 2.56 0.00	46.27 2.66 0.00	50.08 2.92 0.00	54.69 3.82 0.00	59.91 4.02 0.00	59.51 3.68 0.00	57.07 3.38 0.00	51.14 2.80 0.00	45.86 2.39 0.00	41.22 2.00 0.00
LIGHTHSE_115KV_TB6 355974	38.71 -0.39 0.00	32.21 -0.46 0.00	28.69 -0.38 0.00	27.96 -0.40 0.00	28.14 -0.31 0.00	28.96 -0.38 0.00	31.53 -0.51 0.00	38.72 -0.83 0.00	36.48 -0.90 0.00	36.16 -0.81 0.00	35.46 -0.80 0.00	36.30 -0.93 0.00	35.36 -0.98 0.00	35.76 -1.03 0.00	37.70 -1.05 0.00	42.56 -1.05 0.00	46.07 -1.08 0.00	49.51 -1.37 0.00	54.49 -1.40 0.00	54.60 -1.23 0.00	52.62 -1.07 0.00	47.46 -0.87 0.00	42.52 -0.96 0.00	38.39 -0.82 0.00
LINDEN COGEN____ 23786	38.55 2.62 3.17	34.62 2.29 0.34	30.95 1.89 0.00	30.31 1.95 0.00	30.30 1.85 0.00	31.25 1.91 0.00	33.87 1.83 0.00	41.52 2.06 0.08	39.62 2.24 0.00	39.23 2.26 0.00	38.40 2.14 0.00	39.54 2.31 0.00	38.81 2.47 0.00	39.32 2.54 0.00	41.50 2.75 0.00	45.04 2.97 1.54	50.31 3.16 0.00	55.90 3.97 -1.05	60.36 4.47 0.00	54.81 4.19 5.20	48.54 3.28 8.42	40.70 2.75 10.39	39.48 2.39 6.38	38.56 2.04 2.69
LINDHRST_69_KV_BK1 356055	42.54 3.44 0.00	35.77 3.10 0.00	31.54 2.47 0.00	31.08 2.72 0.00	30.87 2.42 0.00	31.81 2.46 0.00	34.42 2.37 0.00	41.92 2.37 0.00	39.99 2.62 0.00	39.60 2.63 0.00	39.02 2.72 -0.04	39.77 2.53 0.00	38.52 2.18 0.00	39.25 2.46 0.00	41.34 2.60 0.00	46.36 2.75 0.00	50.26 3.11 0.00	55.20 4.32 0.00	60.25 4.36 0.00	59.73 3.91 0.00	57.29 3.60 0.00	51.72 3.38 0.00	46.08 2.61 0.00	41.53 2.31 0.00
LIPA_MISC_IPP 23656	42.46 3.36 0.00	35.74 3.07 0.00	31.48 2.41 0.00	31.08 2.72 0.00	30.84 2.39 0.00	31.75 2.41 0.00	34.35 2.31 0.00	41.80 2.25 0.00	39.88 2.50 0.00	39.45 2.48 0.00	38.77 2.50 -0.01	39.54 2.31 0.00	38.16 1.82 0.00	38.88 2.10 0.00	41.00 2.25 0.00	46.09 2.49 0.00	50.03 2.88 0.00	55.05 4.17 0.00	60.02 4.14 0.00	59.62 3.80 0.00	57.13 3.44 0.00	51.67 3.34 0.00	45.99 2.52 0.00	41.41 2.20 0.00
LISF____SOLAR 323691	42.11 3.01 0.00	35.71 3.04 0.00	31.54 2.47 0.00	31.10 2.75 0.00	30.87 2.42 0.00	31.81 2.46 0.00	34.42 2.37 0.00	42.16 2.61 0.00	40.21 2.84 0.00	39.71 2.74 0.00	38.96 2.68 -0.01	39.62 2.39 0.00	38.96 2.62 0.00	38.95 2.17 0.00	41.03 2.29 0.00	46.36 2.75 0.00	50.31 3.16 0.00	55.20 4.32 0.00	60.64 4.75 0.00	60.57 4.74 0.00	57.45 3.76 0.00	51.91 3.58 0.00	46.17 2.70 0.00	41.61 2.39 0.00
LITTLE FALLS____HYD 24013	39.33 0.23 0.00	32.87 0.20 0.00	29.24 0.17 0.00	28.55 0.20 0.00	28.68 0.23 0.00	29.58 0.23 0.00	32.27 0.22 0.00	39.71 0.16 0.00	37.52 0.15 0.00	37.12 0.15 0.00	36.44 0.18 0.00	37.38 0.15 0.00	36.45 0.11 0.00	36.90 0.11 0.00	38.86 0.12 0.00	43.78 0.17 0.00	47.34 0.19 0.00	51.03 0.15 0.00	56.11 0.22 0.00	56.10 0.28 0.00	53.96 0.27 0.00	48.58 0.24 0.00	43.65 0.17 0.00	39.37 0.16 0.00



LITTLRIV_115KV_TB1 356100	37.50 -1.60 0.00	31.53 -1.14 0.00	28.02 -1.05 0.00	27.30 -1.05 0.00	27.48 -0.97 0.00	28.25 -1.09 0.00	31.12 -0.93 0.00	39.27 -0.28 0.00	37.11 -0.26 0.00	36.72 -0.26 0.00	36.01 -0.25 0.00	36.97 -0.26 0.00	36.01 -0.33 0.00	36.49 -0.29 0.00	38.44 -0.31 0.00	43.43 -0.17 0.00	46.73 -0.42 0.00	50.32 -0.56 0.00	55.33 -0.56 0.00	55.38 -0.45 0.00	53.31 -0.38 0.00	48.29 -0.05 0.00	43.73 0.26 0.00	39.18 -0.04 0.00
LI_NEWBRDGE___DRP 323616	41.91 2.82 0.00	35.25 2.58 0.00	31.10 2.03 0.00	30.59 2.24 0.00	30.44 1.99 0.00	31.37 2.02 0.00	33.97 1.92 0.00	41.41 1.86 0.00	39.47 2.09 0.00	39.12 2.14 0.00	38.50 2.25 0.00	39.32 2.09 0.00	38.19 1.85 0.01	38.88 2.10 0.01	40.96 2.21 0.00	45.96 2.35 0.00	49.79 2.64 0.00	54.64 3.77 0.01	59.63 3.74 0.00	59.12 3.29 0.00	56.70 3.01 0.00	51.09 2.76 0.00	45.56 2.09 0.00	41.02 1.80 0.00
LOCKPORT_115KV_TB60_63_64 80432	39.14 0.04 0.00	31.49 -1.18 0.00	28.40 -0.67 0.00	27.50 -0.85 0.00	27.65 -0.80 0.00	28.37 -0.97 0.00	30.60 -1.44 0.00	37.85 -1.70 0.00	35.47 -1.91 0.00	34.79 -2.18 0.00	34.34 -1.92 0.00	34.89 -2.35 0.00	34.16 -2.18 0.00	34.25 -2.54 0.00	35.80 -2.94 0.00	40.56 -3.05 0.00	43.76 -3.40 0.00	46.05 -4.83 0.00	50.58 -5.31 0.00	51.14 -4.69 0.00	49.13 -4.56 0.00	44.81 -3.53 0.00	40.34 -3.13 0.00	37.69 -1.53 0.00
LOCKPORT___CC1 323769	39.14 0.04 0.00	31.53 -1.14 0.00	28.43 -0.64 0.00	27.53 -0.82 0.00	27.74 -0.71 0.00	28.40 -0.94 0.00	30.64 -1.41 0.00	37.85 -1.70 0.00	35.47 -1.90 0.00	34.83 -2.15 0.00	34.37 -1.89 0.00	35.22 -2.01 0.00	34.16 -2.18 0.00	34.25 -2.54 0.00	35.84 -2.91 0.00	40.43 -3.18 0.00	43.57 -3.59 0.00	46.09 -4.78 0.00	50.63 -5.26 0.00	51.53 -4.30 0.00	49.18 -4.51 0.00	44.47 -3.87 0.00	40.34 -3.13 0.00	37.65 -1.57 0.00
LOCKPORT___CC2 323770	39.14 0.04 0.00	31.53 -1.14 0.00	28.43 -0.64 0.00	27.53 -0.82 0.00	27.74 -0.71 0.00	28.40 -0.94 0.00	30.64 -1.41 0.00	37.85 -1.70 0.00	35.47 -1.90 0.00	34.83 -2.15 0.00	34.37 -1.89 0.00	35.22 -2.01 0.00	34.16 -2.18 0.00	34.25 -2.54 0.00	35.84 -2.91 0.00	40.43 -3.18 0.00	43.57 -3.59 0.00	46.09 -4.78 0.00	50.63 -5.26 0.00	51.53 -4.30 0.00	49.18 -4.51 0.00	44.47 -3.87 0.00	40.34 -3.13 0.00	37.65 -1.57 0.00
LOCKPORT___CC3 323771	39.14 0.04 0.00	31.53 -1.14 0.00	28.43 -0.64 0.00	27.53 -0.82 0.00	27.74 -0.71 0.00	28.40 -0.94 0.00	30.64 -1.41 0.00	37.85 -1.70 0.00	35.47 -1.90 0.00	34.83 -2.15 0.00	34.37 -1.89 0.00	35.22 -2.01 0.00	34.16 -2.18 0.00	34.25 -2.54 0.00	35.84 -2.91 0.00	40.43 -3.18 0.00	43.57 -3.59 0.00	46.09 -4.78 0.00	50.63 -5.26 0.00	51.53 -4.30 0.00	49.18 -4.51 0.00	44.47 -3.87 0.00	40.34 -3.13 0.00	37.65 -1.57 0.00
LOCUSVLY_69_KV_BK2 55797	42.23 3.13 0.00	35.45 2.78 0.00	31.30 2.24 0.00	30.79 2.44 0.00	30.64 2.19 0.00	31.60 2.26 0.00	34.22 2.18 0.00	41.76 2.21 0.00	39.80 2.43 0.00	39.41 2.44 0.00	38.88 2.54 -0.08	39.73 2.49 0.00	38.67 2.33 0.00	39.33 2.54 0.00	41.50 2.75 0.00	46.57 2.97 0.00	50.36 3.21 0.00	55.21 4.32 -0.01	60.30 4.42 0.00	59.79 3.96 0.00	57.29 3.60 0.00	51.57 3.24 0.00	46.08 2.61 0.00	41.49 2.27 0.00
LONG_LAKE_PHOENIX 24014	38.67 -0.43 0.00	32.18 -0.49 0.00	28.69 -0.38 0.00	27.96 -0.40 0.00	28.08 -0.37 0.00	28.93 -0.41 0.00	31.53 -0.51 0.00	38.68 -0.87 0.00	36.44 -0.93 0.00	36.09 -0.89 0.00	35.43 -0.83 0.00	36.30 -0.93 0.00	35.40 -0.94 0.00	35.76 -1.03 0.00	37.66 -1.08 0.00	42.47 -1.13 0.00	45.83 -1.32 0.00	49.30 -1.58 0.00	54.16 -1.73 0.00	54.15 -1.67 0.00	52.08 -1.61 0.00	46.98 -1.35 0.00	42.17 -1.30 0.00	38.16 -1.06 0.00
LOVETT___3 23632	41.44 2.35 0.00	34.76 2.09 0.00	30.78 1.71 0.00	30.14 1.79 0.00	30.16 1.71 0.00	31.07 1.73 0.00	33.71 1.67 0.00	41.33 1.78 0.00	39.28 1.91 0.00	38.86 1.89 0.00	38.04 1.78 0.00	39.21 1.97 0.00	38.34 2.00 0.00	38.96 2.17 0.00	41.11 2.36 0.00	46.14 2.53 0.00	49.93 2.78 0.00	54.49 3.61 0.00	59.74 3.86 0.00	59.23 3.41 0.00	56.80 3.11 0.00	50.90 2.56 0.00	45.65 2.17 0.00	41.06 1.84 0.00
LOVETT___4 23642	41.44 2.35 0.00	34.76 2.09 0.00	30.78 1.71 0.00	30.14 1.79 0.00	30.16 1.71 0.00	31.07 1.73 0.00	33.71 1.67 0.00	41.33 1.78 0.00	39.28 1.91 0.00	38.86 1.89 0.00	38.04 1.78 0.00	39.21 1.97 0.00	38.34 2.00 0.00	38.96 2.17 0.00	41.11 2.36 0.00	46.14 2.53 0.00	49.93 2.78 0.00	54.49 3.61 0.00	59.74 3.86 0.00	59.23 3.41 0.00	56.80 3.11 0.00	50.90 2.56 0.00	45.65 2.17 0.00	41.06 1.84 0.00
LOVETT___5 23593	41.44 2.35 0.00	34.76 2.09 0.00	30.78 1.71 0.00	30.14 1.79 0.00	30.16 1.71 0.00	31.07 1.73 0.00	33.71 1.67 0.00	41.33 1.78 0.00	39.28 1.91 0.00	38.86 1.89 0.00	38.04 1.78 0.00	39.21 1.97 0.00	38.34 2.00 0.00	38.96 2.17 0.00	41.11 2.36 0.00	46.14 2.53 0.00	49.93 2.78 0.00	54.49 3.61 0.00	59.74 3.86 0.00	59.23 3.41 0.00	56.80 3.11 0.00	50.90 2.56 0.00	45.65 2.17 0.00	41.06 1.84 0.00
LOWER RAQUET___HYD 24057	36.87 -2.23 0.00	31.04 -1.63 0.00	27.59 -1.48 0.00	26.91 -1.44 0.00	27.03 -1.42 0.00	27.78 -1.56 0.00	30.60 -1.44 0.00	38.68 -0.87 0.00	36.59 -0.79 0.00	36.27 -0.70 0.00	35.53 -0.72 0.00	36.49 -0.74 0.00	35.58 -0.76 0.00	36.01 -0.77 0.00	37.93 -0.82 0.00	42.74 -0.87 0.00	45.88 -1.27 0.00	49.56 -1.32 0.00	54.05 -1.84 0.00	53.76 -2.06 0.00	52.35 -1.34 0.00	47.41 -0.92 0.00	42.95 -0.52 0.00	38.55 -0.67 0.00
LOWER___HUDSON 24059	40.66 1.57 0.00	34.04 1.37 0.00	30.23 1.16 0.00	29.52 1.16 0.00	29.56 1.11 0.00	30.60 1.26 0.00	33.20 1.15 0.00	40.73 1.19 0.00	38.49 1.12 0.00	38.08 1.11 0.00	37.27 1.01 0.00	38.31 1.08 0.00	37.50 1.16 0.00	38.00 1.21 0.00	40.07 1.32 0.00	45.13 1.53 0.00	48.94 1.79 0.00	52.86 1.98 0.00	58.52 2.63 0.00	58.39 2.57 0.00	55.89 2.20 0.00	50.12 1.79 0.00	45.08 1.61 0.00	40.47 1.25 0.00
LOWVILLE_115KV_TB2 356335	38.90 -0.20 0.00	32.44 -0.23 0.00	28.83 -0.23 0.00	28.13 -0.23 0.00	28.34 -0.11 0.00	29.16 -0.18 0.00	31.82 -0.22 0.00	39.27 -0.28 0.00	37.04 -0.34 0.00	36.60 -0.37 0.00	35.90 -0.36 0.00	36.71 -0.52 0.00	35.69 -0.65 0.00	36.16 -0.63 0.00	38.21 -0.54 0.00	43.17 -0.44 0.00	46.78 -0.38 0.00	50.42 -0.46 0.00	55.66 -0.22 0.00	55.82 0.00 0.00	53.74 0.05 0.00	48.48 0.15 0.00	43.38 -0.09 0.00	39.06 -0.16 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	41.17 2.07 0.00	34.43 1.76 0.00	30.58 1.51 0.00	29.86 1.50 0.00	29.90 1.45 0.00	30.90 1.56 0.00	33.58 1.54 0.00	41.13 1.58 0.00	38.87 1.49 0.00	38.42 1.44 0.00	37.67 1.41 0.00	38.72 1.49 0.00	38.05 1.71 0.00	38.63 1.84 0.00	40.76 2.01 0.00	45.40 1.79 0.00	49.18 2.03 0.00	53.07 2.19 0.00	58.46 2.57 0.00	58.23 2.40 0.00	56.21 2.52 0.00	50.22 1.89 0.00	45.25 1.78 0.00	40.98 1.76 0.00



LUTHERNY_35_KV_BK2 355980	41.21 2.11 0.00	34.47 1.80 0.00	30.61 1.54 0.00	29.86 1.50 0.00	29.90 1.45 0.00	30.92 1.58 0.00	33.62 1.57 0.00	41.17 1.62 0.00	38.87 1.49 0.00	38.45 1.48 0.00	37.71 1.45 0.00	38.72 1.49 0.00	38.09 1.74 0.00	38.63 1.84 0.00	40.76 2.01 0.00	45.44 1.83 0.00	49.23 2.07 0.00	53.12 2.24 0.00	58.51 2.63 0.00	58.28 2.46 0.00	56.21 2.52 0.00	50.27 1.93 0.00	45.30 1.83 0.00	40.98 1.76 0.00
LWR___OSWEGATCHIE_HYD 23850	37.38 -1.72 0.00	31.30 -1.37 0.00	27.82 -1.25 0.00	27.11 -1.25 0.00	27.31 -1.14 0.00	28.08 -1.26 0.00	30.76 -1.28 0.00	38.40 -1.15 0.00	36.29 -1.08 0.00	35.90 -1.07 0.00	35.21 -1.05 0.00	36.08 -1.15 0.00	35.11 -1.24 0.00	35.54 -1.25 0.00	37.51 -1.24 0.00	42.39 -1.22 0.00	45.74 -1.41 0.00	49.30 -1.58 0.00	54.27 -1.62 0.00	54.37 -1.45 0.00	52.35 -1.34 0.00	47.32 -1.02 0.00	42.60 -0.87 0.00	38.27 -0.94 0.00
LYONS_FALL_HYD 23570	39.26 0.16 0.00	32.74 0.07 0.00	29.10 0.03 0.00	28.38 0.03 0.00	28.59 0.14 0.00	29.43 0.09 0.00	32.08 0.03 0.00	39.51 -0.04 0.00	37.30 -0.07 0.00	36.86 -0.11 0.00	36.19 -0.07 0.00	37.05 -0.19 0.00	36.05 -0.29 0.00	36.49 -0.30 0.00	38.56 -0.19 0.00	43.48 -0.13 0.00	47.15 0.00 0.00	50.83 -0.05 0.00	56.06 0.17 0.00	56.16 0.34 0.00	54.01 0.32 0.00	48.68 0.34 0.00	43.60 0.13 0.00	39.26 0.04 0.00
MADISON___COUNTY_LFGE 323628	40.00 0.90 0.00	33.29 0.62 0.00	29.65 0.58 0.00	28.89 0.54 0.00	29.08 0.63 0.00	29.93 0.59 0.00	32.62 0.58 0.00	40.10 0.55 0.00	37.82 0.45 0.00	37.38 0.41 0.00	36.73 0.47 0.00	37.61 0.37 0.00	36.60 0.25 0.00	37.04 0.26 0.00	39.10 0.35 0.00	44.13 0.52 0.00	47.77 0.61 0.00	51.44 0.56 0.00	56.61 0.73 0.00	56.66 0.84 0.00	54.49 0.81 0.00	49.11 0.77 0.00	43.99 0.52 0.00	39.73 0.51 0.00
MALONE___115KV_TB1 356076	37.89 -1.21 0.00	31.92 -0.75 0.00	28.43 -0.64 0.00	27.76 -0.60 0.00	27.88 -0.57 0.00	28.70 -0.65 0.00	31.63 -0.42 0.00	39.86 0.32 0.00	37.75 0.37 0.00	37.45 0.48 0.00	36.73 0.47 0.00	37.75 0.52 0.00	36.78 0.44 0.00	37.26 0.48 0.00	39.17 0.43 0.00	44.26 0.65 0.00	47.77 0.61 0.00	51.34 0.46 0.00	56.28 0.39 0.00	56.27 0.45 0.00	54.17 0.48 0.00	49.06 0.73 0.00	44.34 0.87 0.00	39.73 0.51 0.00
MAPLEWOD_115KV_TB3 80458	40.43 1.33 0.00	33.88 1.21 0.00	30.08 1.02 0.00	29.37 1.02 0.00	29.42 0.97 0.00	30.40 1.06 0.00	33.01 0.96 0.00	40.42 0.87 0.00	38.23 0.86 0.00	37.86 0.89 0.00	37.06 0.80 0.00	38.13 0.89 0.00	37.25 0.91 0.00	37.78 0.99 0.00	39.83 1.08 0.00	44.79 1.18 0.00	48.52 1.37 0.00	52.51 1.63 0.00	57.84 1.96 0.00	57.56 1.73 0.00	55.46 1.77 0.00	49.69 1.35 0.00	44.69 1.22 0.00	40.16 0.94 0.00
MAPLE_RIDGE_WT_1 323574	38.35 -0.74 0.00	32.18 -0.49 0.00	28.66 -0.41 0.00	27.98 -0.37 0.00	28.08 -0.37 0.00	28.96 -0.38 0.00	31.76 -0.29 0.00	39.43 -0.12 0.00	37.30 -0.07 0.00	36.94 -0.04 0.00	36.19 -0.07 0.00	37.16 -0.07 0.00	36.27 -0.07 0.00	36.71 -0.07 0.00	38.67 -0.08 0.00	43.48 -0.13 0.00	46.96 -0.19 0.00	50.63 -0.25 0.00	55.50 -0.39 0.00	55.32 -0.50 0.00	53.42 -0.27 0.00	48.14 -0.19 0.00	43.38 -0.09 0.00	39.06 -0.16 0.00
MAPLE_RIDGE_WT_2 323611	38.35 -0.74 0.00	32.18 -0.49 0.00	28.66 -0.41 0.00	27.98 -0.37 0.00	28.08 -0.37 0.00	28.96 -0.38 0.00	31.76 -0.29 0.00	39.43 -0.12 0.00	37.30 -0.07 0.00	36.94 -0.04 0.00	36.19 -0.07 0.00	37.16 -0.07 0.00	36.27 -0.07 0.00	36.71 -0.07 0.00	38.67 -0.08 0.00	43.48 -0.13 0.00	46.96 -0.19 0.00	50.63 -0.25 0.00	55.50 -0.39 0.00	55.32 -0.50 0.00	53.42 -0.27 0.00	48.14 -0.19 0.00	43.38 -0.09 0.00	39.06 -0.16 0.00
MARBLE_RIVER_WT_PWR 323696	37.77 -1.33 0.00	31.82 -0.85 0.00	28.37 -0.70 0.00	27.76 -0.60 0.00	27.88 -0.57 0.00	28.75 -0.59 0.00	31.69 -0.35 0.00	39.83 0.28 0.00	37.71 0.34 0.00	37.42 0.45 0.00	36.66 0.40 0.00	37.68 0.45 0.00	36.74 0.40 0.00	37.19 0.41 0.00	39.14 0.39 0.00	44.04 0.44 0.00	47.53 0.38 0.00	51.28 0.41 0.00	55.94 0.06 0.00	55.66 -0.17 0.00	54.12 0.43 0.00	48.92 0.58 0.00	44.12 0.65 0.00	39.69 0.47 0.00
MARSHVLE_115KV_TB1 80742	41.80 2.70 0.00	34.79 2.12 0.00	30.93 1.86 0.00	30.14 1.79 0.00	30.24 1.79 0.00	31.22 1.88 0.00	33.97 1.92 0.00	41.41 1.86 0.00	38.87 1.49 0.00	38.31 1.33 0.00	37.67 1.41 0.00	38.65 1.41 0.00	37.69 1.34 0.00	38.26 1.47 0.00	40.38 1.63 0.00	45.44 1.83 0.00	49.46 2.31 0.00	53.22 2.34 0.00	58.79 2.91 0.00	58.78 2.96 0.00	56.75 3.06 0.00	50.75 2.42 0.00	45.82 2.35 0.00	41.29 2.08 0.00
MARSH_HILL_WT_PWR 323713	40.19 1.09 0.00	32.74 0.07 0.00	29.44 0.38 0.00	28.61 0.25 0.00	28.85 0.40 0.00	29.57 0.23 0.00	32.11 0.06 0.00	39.67 0.12 0.00	37.19 -0.19 0.00	36.60 -0.37 0.00	35.97 -0.29 0.00	36.82 -0.41 0.00	35.69 -0.65 0.00	35.90 -0.88 0.00	37.70 -1.04 0.00	42.56 -1.05 0.00	45.88 -1.27 0.00	49.05 -1.83 0.00	54.05 -1.84 0.00	54.88 -0.95 0.00	52.40 -1.29 0.00	47.27 -1.06 0.00	42.56 -0.91 0.00	39.06 -0.16 0.00
MCINTYRE_115KV_TB2 80467	37.93 -1.17 0.00	31.92 -0.75 0.00	28.37 -0.70 0.00	27.64 -0.71 0.00	27.82 -0.63 0.00	28.58 -0.76 0.00	31.50 -0.54 0.00	39.78 0.24 0.00	37.52 0.15 0.00	37.12 0.15 0.00	36.37 0.11 0.00	37.35 0.11 0.00	36.38 0.04 0.00	36.86 0.07 0.00	38.83 0.08 0.00	43.91 0.31 0.00	47.25 0.09 0.00	50.93 0.05 0.00	56.00 0.11 0.00	56.10 0.28 0.00	54.01 0.32 0.00	48.87 0.53 0.00	44.30 0.83 0.00	39.69 0.47 0.00
MECO_____69_KV_BK1 80468	42.34 3.25 0.00	35.25 2.58 0.00	31.33 2.27 0.00	30.54 2.18 0.00	30.61 2.16 0.00	31.63 2.29 0.00	34.42 2.37 0.00	42.00 2.45 0.00	39.47 2.09 0.00	38.90 1.92 0.00	38.25 1.99 0.00	39.21 1.97 0.00	38.19 1.85 0.00	38.81 2.02 0.00	40.96 2.21 0.00	46.14 2.53 0.00	50.22 3.06 0.00	54.08 3.21 0.00	59.74 3.86 0.00	59.68 3.85 0.00	57.61 3.92 0.00	51.43 3.09 0.00	46.38 2.91 0.00	41.80 2.59 0.00
MENANDS___115KV_TB5 355628	40.23 1.13 0.00	33.72 1.05 0.00	29.97 0.90 0.00	29.26 0.91 0.00	29.30 0.85 0.00	30.28 0.94 0.00	32.85 0.80 0.00	40.26 0.71 0.00	38.08 0.71 0.00	37.71 0.74 0.00	36.91 0.65 0.00	37.98 0.74 0.00	37.14 0.80 0.00	37.67 0.88 0.00	39.68 0.93 0.00	44.57 0.96 0.00	48.28 1.13 0.00	52.25 1.37 0.00	57.56 1.68 0.00	57.28 1.45 0.00	55.19 1.50 0.00	49.45 1.11 0.00	44.52 1.04 0.00	39.96 0.75 0.00
MG INDUSTRY___DRP 24185	40.19 1.09 0.00	33.65 0.98 0.00	29.91 0.84 0.00	29.20 0.85 0.00	29.27 0.83 0.00	30.22 0.88 0.00	32.81 0.77 0.00	40.10 0.55 0.00	37.86 0.49 0.00	37.45 0.48 0.00	36.66 0.40 0.00	37.68 0.45 0.00	36.81 0.47 0.00	37.34 0.55 0.00	39.37 0.62 0.00	44.26 0.65 0.00	47.95 0.80 0.00	52.05 1.17 0.00	57.29 1.40 0.00	57.05 1.23 0.00	54.98 1.29 0.00	49.30 0.97 0.00	44.43 0.96 0.00	39.96 0.75 0.00



MID___OSWEGATCHIE_HYD 23849	37.38 -1.72 0.00	31.30 -1.37 0.00	27.82 -1.25 0.00	27.11 -1.25 0.00	27.31 -1.14 0.00	28.08 -1.26 0.00	30.76 -1.28 0.00	38.40 -1.15 0.00	36.29 -1.08 0.00	35.90 -1.07 0.00	35.21 -1.05 0.00	36.08 -1.15 0.00	35.11 -1.24 0.00	35.54 -1.25 0.00	37.51 -1.24 0.00	42.39 -1.22 0.00	45.74 -1.41 0.00	49.30 -1.58 0.00	54.27 -1.62 0.00	54.37 -1.45 0.00	52.35 -1.34 0.00	47.32 -1.02 0.00	42.60 -0.87 0.00	38.27 -0.94 0.00
MID___RAQUETTE_HYD 23851	36.87 -2.23 0.00	31.04 -1.63 0.00	27.58 -1.48 0.00	26.88 -1.47 0.00	27.03 -1.42 0.00	27.79 -1.56 0.00	30.60 -1.44 0.00	38.68 -0.87 0.00	36.59 -0.78 0.00	36.23 -0.74 0.00	35.53 -0.73 0.00	36.49 -0.74 0.00	35.58 -0.76 0.00	36.01 -0.77 0.00	37.93 -0.81 0.00	42.87 -0.74 0.00	46.02 -1.13 0.00	49.56 -1.32 0.00	54.38 -1.51 0.00	54.37 -1.45 0.00	52.35 -1.34 0.00	47.42 -0.92 0.00	42.99 -0.48 0.00	38.55 -0.67 0.00
MILLIKEN___1 23584	40.00 0.90 0.00	33.13 0.46 0.00	29.56 0.49 0.00	28.78 0.43 0.00	28.96 0.51 0.00	29.78 0.44 0.00	32.49 0.45 0.00	39.98 0.44 0.00	37.60 0.22 0.00	37.16 0.18 0.00	36.48 0.22 0.00	37.35 0.11 0.00	36.34 0.00 0.00	36.75 -0.04 0.00	38.71 -0.04 0.00	43.74 0.13 0.00	47.29 0.14 0.00	50.83 -0.05 0.00	55.94 0.06 0.00	56.05 0.22 0.00	53.96 0.27 0.00	48.67 0.34 0.00	43.65 0.17 0.00	39.53 0.31 0.00
MILLIKEN___2 23585	40.00 0.90 0.00	33.13 0.46 0.00	29.56 0.49 0.00	28.78 0.43 0.00	28.96 0.51 0.00	29.78 0.44 0.00	32.49 0.45 0.00	39.98 0.44 0.00	37.60 0.22 0.00	37.16 0.18 0.00	36.48 0.22 0.00	37.35 0.11 0.00	36.34 0.00 0.00	36.75 -0.04 0.00	38.71 -0.04 0.00	43.74 0.13 0.00	47.29 0.14 0.00	50.83 -0.05 0.00	55.94 0.06 0.00	56.05 0.22 0.00	53.96 0.27 0.00	48.67 0.34 0.00	43.65 0.17 0.00	39.53 0.31 0.00
MILLIKEN___DIESEL 23629	40.00 0.90 0.00	33.13 0.46 0.00	29.56 0.49 0.00	28.78 0.43 0.00	28.96 0.51 0.00	29.78 0.44 0.00	32.49 0.45 0.00	39.98 0.44 0.00	37.60 0.22 0.00	37.16 0.18 0.00	36.48 0.22 0.00	37.35 0.11 0.00	36.34 0.00 0.00	36.75 -0.04 0.00	38.71 -0.04 0.00	43.74 0.13 0.00	47.29 0.14 0.00	50.83 -0.05 0.00	55.94 0.06 0.00	56.05 0.22 0.00	53.96 0.27 0.00	48.67 0.34 0.00	43.65 0.17 0.00	39.53 0.31 0.00
MILLSEAT___LFGE 323607	39.80 0.70 0.00	31.95 -0.72 0.00	28.83 -0.23 0.00	27.90 -0.45 0.00	28.11 -0.34 0.00	28.78 -0.56 0.00	31.05 -0.99 0.00	38.32 -1.23 0.00	35.99 -1.38 0.00	35.39 -1.59 0.00	34.92 -1.34 0.00	35.78 -1.45 0.00	34.67 -1.67 0.00	34.80 -1.99 0.00	36.42 -2.32 0.00	41.08 -2.53 0.00	44.37 -2.78 0.00	46.91 -3.97 0.00	51.53 -4.36 0.00	52.48 -3.35 0.00	50.09 -3.60 0.00	45.44 -2.90 0.00	41.12 -2.35 0.00	38.27 -0.94 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	41.52 2.42 0.00	34.79 2.12 0.00	30.84 1.77 0.00	30.20 1.84 0.00	30.19 1.74 0.00	31.13 1.79 0.00	33.74 1.70 0.00	41.37 1.82 0.00	39.32 1.94 0.00	38.93 1.96 0.00	38.11 1.85 0.00	39.28 2.05 0.00	38.41 2.07 0.00	39.03 2.24 0.00	41.23 2.48 0.00	46.27 2.66 0.00	50.08 2.92 0.00	54.64 3.77 0.00	59.91 4.02 0.00	59.40 3.57 0.00	56.96 3.28 0.00	51.04 2.71 0.00	45.78 2.30 0.00	41.14 1.92 0.00
MILLWOOD_13_KV_LOAD 356217	41.60 2.50 0.00	34.86 2.19 0.00	30.87 1.80 0.00	30.22 1.87 0.00	30.24 1.79 0.00	31.16 1.82 0.00	33.81 1.76 0.00	41.45 1.90 0.00	39.39 2.02 0.00	39.01 2.03 0.00	38.22 1.96 0.00	39.39 2.16 0.00	38.56 2.22 0.00	39.14 2.35 0.00	41.38 2.63 0.00	46.49 2.88 0.00	50.31 3.16 0.00	54.90 4.02 0.00	60.25 4.36 0.00	59.62 3.80 0.00	57.23 3.54 0.00	51.19 2.85 0.00	45.91 2.43 0.00	41.26 2.04 0.00
MODEL_CITY_ENERGY 24167	38.71 -0.39 0.00	31.20 -1.47 0.00	28.14 -0.93 0.00	27.25 -1.11 0.00	27.45 -1.00 0.00	28.11 -1.23 0.00	30.31 -1.73 0.00	37.45 -2.10 0.00	35.06 -2.32 0.00	34.46 -2.52 0.00	33.98 -2.28 0.00	34.81 -2.42 0.00	33.80 -2.54 0.00	33.88 -2.91 0.00	35.45 -3.29 0.00	39.99 -3.62 0.00	43.10 -4.06 0.00	45.59 -5.29 0.00	50.07 -5.81 0.00	50.97 -4.86 0.00	48.59 -5.10 0.00	43.98 -4.35 0.00	39.86 -3.61 0.00	37.26 -1.96 0.00
MODERN_LFGE___ 323580	38.71 -0.39 0.00	31.20 -1.47 0.00	28.14 -0.93 0.00	27.25 -1.11 0.00	27.45 -1.00 0.00	28.11 -1.23 0.00	30.31 -1.73 0.00	37.45 -2.10 0.00	35.06 -2.32 0.00	34.46 -2.52 0.00	33.98 -2.28 0.00	34.81 -2.42 0.00	33.80 -2.54 0.00	33.88 -2.91 0.00	35.45 -3.29 0.00	39.99 -3.62 0.00	43.10 -4.06 0.00	45.59 -5.29 0.00	50.07 -5.81 0.00	50.97 -4.86 0.00	48.59 -5.10 0.00	43.98 -4.35 0.00	39.86 -3.61 0.00	37.26 -1.96 0.00
MOHAWK_PAPER___DRP 24187	40.43 1.33 0.00	33.88 1.21 0.00	30.08 1.02 0.00	29.37 1.02 0.00	29.42 0.97 0.00	30.40 1.06 0.00	33.01 0.96 0.00	40.42 0.87 0.00	38.23 0.86 0.00	37.86 0.89 0.00	37.06 0.80 0.00	38.13 0.89 0.00	37.25 0.91 0.00	37.78 0.99 0.00	39.83 1.08 0.00	44.79 1.18 0.00	48.52 1.37 0.00	52.51 1.63 0.00	57.84 1.96 0.00	57.56 1.73 0.00	55.46 1.77 0.00	49.69 1.35 0.00	44.69 1.22 0.00	40.16 0.94 0.00
MOHICAN___35_KV_115KV_LD 80490	41.48 2.38 0.00	34.66 1.99 0.00	30.78 1.71 0.00	30.05 1.70 0.00	30.07 1.62 0.00	31.10 1.76 0.00	33.84 1.79 0.00	41.45 1.90 0.00	39.13 1.76 0.00	38.71 1.74 0.00	38.00 1.75 0.00	38.98 1.75 0.00	38.45 2.11 0.00	38.99 2.21 0.00	41.19 2.44 0.00	45.31 1.70 0.00	49.04 1.89 0.00	52.86 1.98 0.00	58.29 2.40 0.00	58.06 2.23 0.00	56.05 2.36 0.00	49.98 1.64 0.00	45.08 1.61 0.00	41.29 2.08 0.00
MONGAUP___HYD 23641	41.56 2.46 0.00	34.86 2.19 0.00	30.84 1.77 0.00	30.17 1.82 0.00	30.19 1.74 0.00	31.10 1.76 0.00	33.77 1.73 0.00	41.41 1.86 0.00	39.32 1.94 0.00	38.82 1.85 0.00	37.89 1.63 0.00	38.91 1.68 0.00	38.12 1.78 0.00	38.62 1.84 0.00	40.80 2.05 0.00	45.70 2.09 0.00	49.46 2.31 0.00	53.62 2.75 0.00	59.07 3.18 0.00	59.34 3.52 0.00	56.43 2.74 0.00	50.65 2.32 0.00	45.69 2.22 0.00	41.10 1.88 0.00
MONTAUK___DIESEL 23721	42.30 3.21 0.00	35.58 2.91 0.00	31.33 2.27 0.00	30.99 2.64 0.00	30.70 2.25 0.00	31.60 2.26 0.00	34.22 2.18 0.00	41.64 2.10 0.00	39.73 2.35 0.00	39.34 2.37 0.00	38.37 2.10 -0.01	39.10 1.86 0.00	37.65 1.31 0.00	38.33 1.55 0.00	40.49 1.74 0.00	45.70 2.09 0.00	49.75 2.59 0.00	54.94 4.07 0.00	59.86 3.97 0.00	59.45 3.63 0.00	56.91 3.22 0.00	51.52 3.19 0.00	45.73 2.26 0.00	41.49 2.27 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	41.05 1.95 0.00	32.80 0.13 0.00	29.62 0.55 0.00	28.64 0.28 0.00	28.82 0.37 0.00	29.58 0.23 0.00	31.95 -0.10 0.00	39.59 0.04 0.00	37.15 -0.22 0.00	36.38 -0.59 0.00	35.97 -0.29 0.00	36.56 -0.67 0.00	35.72 -0.62 0.00	35.83 -0.96 0.00	37.51 -1.24 0.00	42.47 -1.13 0.00	45.79 -1.37 0.00	48.49 -2.39 0.00	53.21 -2.68 0.00	53.70 -2.12 0.00	51.60 -2.09 0.00	46.74 -1.60 0.00	41.99 -1.48 0.00	38.94 -0.27 0.00



MORRIS RIDGE___SOLAR 323848	39.76 0.66 0.00	32.31 -0.36 0.00	29.07 0.00 0.00	28.18 -0.17 0.00	28.42 -0.03 0.00	29.14 -0.20 0.00	31.57 -0.48 0.00	38.99 -0.55 0.00	36.55 -0.82 0.00	35.94 -1.04 0.00	35.39 -0.87 0.00	36.23 -1.00 0.00	35.18 -1.16 0.00	35.39 -1.40 0.00	37.12 -1.63 0.00	41.86 -1.75 0.00	45.13 -2.03 0.00	48.08 -2.80 0.00	52.92 -2.96 0.00	53.82 -2.01 0.00	51.33 -2.36 0.00	46.31 -2.03 0.00	41.82 -1.65 0.00	38.51 -0.70 0.00
MORTIMER_115KV_TB3 55949	39.41 0.31 0.00	32.08 -0.59 0.00	28.81 -0.26 0.00	27.96 -0.40 0.00	28.08 -0.37 0.00	28.90 -0.44 0.00	31.31 -0.74 0.00	38.56 -0.99 0.00	36.29 -1.08 0.00	35.79 -1.18 0.00	35.24 -1.02 0.00	36.00 -1.23 0.00	35.18 -1.16 0.00	35.39 -1.40 0.00	37.12 -1.63 0.00	41.99 -1.61 0.00	45.31 -1.84 0.00	48.03 -2.85 0.00	52.76 -3.13 0.00	53.15 -2.68 0.00	51.11 -2.58 0.00	46.45 -1.89 0.00	41.78 -1.70 0.00	38.47 -0.75 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	41.87 2.78 0.00	35.06 2.38 0.00	31.07 2.01 0.00	30.42 2.07 0.00	30.41 1.96 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.64 2.10 0.00	39.58 2.21 0.00	39.23 2.26 0.00	38.40 2.14 0.00	39.58 2.35 0.00	38.74 2.40 0.00	39.36 2.58 0.00	41.54 2.79 0.00	46.62 3.01 0.00	50.41 3.25 0.00	55.10 4.22 0.00	60.30 4.42 0.00	59.68 3.85 0.00	57.18 3.49 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.37 2.16 0.00
MUNSVILLE_WIND_PWR 323609	42.11 3.01 0.00	34.79 2.12 0.00	30.98 1.92 0.00	30.17 1.82 0.00	30.61 2.16 0.00	31.42 2.08 0.00	34.16 2.11 0.00	42.00 2.45 0.00	39.54 2.17 0.00	38.97 2.00 0.00	38.36 2.10 0.00	39.09 1.86 0.00	37.80 1.46 0.00	38.30 1.51 0.00	40.53 1.78 0.00	45.87 2.27 0.00	49.89 2.73 0.00	53.57 2.69 0.00	59.35 3.47 0.00	59.85 4.02 0.00	57.18 3.49 0.00	51.62 3.29 0.00	45.99 2.52 0.00	41.61 2.39 0.00
N SALMON___HYD 24042	37.89 -1.21 0.00	31.92 -0.75 0.00	28.43 -0.64 0.00	27.79 -0.57 0.00	27.88 -0.57 0.00	28.69 -0.65 0.00	31.63 -0.42 0.00	39.86 0.31 0.00	37.75 0.37 0.00	37.49 0.52 0.00	36.73 0.47 0.00	37.75 0.52 0.00	36.81 0.47 0.00	37.26 0.48 0.00	39.18 0.43 0.00	44.13 0.53 0.00	47.58 0.42 0.00	51.34 0.46 0.00	56.00 0.11 0.00	55.60 -0.22 0.00	54.17 0.48 0.00	49.06 0.73 0.00	44.26 0.78 0.00	39.72 0.51 0.00
N.AKRON__115KV_KNAPP 355671	39.76 0.66 0.00	31.92 -0.75 0.00	28.81 -0.26 0.00	27.87 -0.48 0.00	28.02 -0.43 0.00	28.78 -0.56 0.00	31.05 -0.99 0.00	38.36 -1.19 0.00	35.99 -1.38 0.00	35.35 -1.63 0.00	34.88 -1.38 0.00	35.48 -1.75 0.00	34.71 -1.64 0.00	34.80 -1.99 0.00	36.38 -2.36 0.00	41.25 -2.35 0.00	44.51 -2.64 0.00	46.86 -4.02 0.00	51.47 -4.42 0.00	52.03 -3.80 0.00	50.04 -3.65 0.00	45.68 -2.66 0.00	41.08 -2.39 0.00	38.27 -0.94 0.00
N.E_GEN_SANDY PD 24062	40.78 1.68 0.00	34.24 1.57 0.00	30.34 1.28 0.00	29.66 1.30 0.00	29.70 1.25 0.00	30.75 1.41 0.00	33.29 1.25 0.00	40.85 1.30 0.00	38.65 1.27 0.00	38.23 1.26 0.00	37.38 1.13 0.00	38.42 1.19 0.00	37.61 1.27 0.00	38.11 1.32 0.00	40.22 1.47 0.00	45.22 1.61 0.00	49.04 1.89 0.00	53.22 2.34 0.00	58.90 3.02 0.00	58.78 2.96 0.00	56.11 2.42 0.00	50.32 1.98 0.00	45.21 1.74 0.00	40.55 1.33 0.00
N. HEMPST_138_KV_BK345_REV_LBMP_G 345014	41.52 2.42 0.00	34.79 2.12 0.00	30.84 1.77 0.00	30.17 1.81 0.00	30.19 1.74 0.00	31.10 1.76 0.00	33.78 1.73 0.00	41.37 1.82 0.00	39.32 1.94 0.00	38.93 1.96 0.00	38.07 1.81 0.00	39.24 2.01 0.00	38.38 2.04 0.00	38.99 2.21 0.00	41.19 2.44 0.00	46.18 2.57 0.00	49.98 2.83 0.00	54.54 3.66 0.00	59.74 3.86 0.00	59.34 3.52 0.00	56.86 3.17 0.00	50.94 2.61 0.00	45.69 2.22 0.00	41.10 1.88 0.00
N.QUEENS_27_KV_LOAD 356247	42.12 3.01 -0.01	35.19 2.52 -0.01	31.14 2.06 -0.01	30.52 2.15 -0.01	30.51 2.05 0.00	31.28 1.94 0.00	33.81 1.76 0.00	41.48 1.94 0.00	39.54 2.17 0.00	39.19 2.22 0.00	38.36 2.10 0.00	39.58 2.35 0.00	38.74 2.40 0.00	39.36 2.58 0.00	41.54 2.79 0.00	46.66 3.05 0.00	50.45 3.30 0.00	55.15 4.27 0.00	60.30 4.42 0.00	59.57 3.74 0.00	57.07 3.38 0.00	51.09 2.76 0.00	45.91 2.43 0.00	41.53 2.31 0.00
N.TROY___115KV_TB1 355778	40.66 1.56 0.00	34.04 1.37 0.00	30.23 1.16 0.00	29.52 1.16 0.00	29.56 1.11 0.00	30.60 1.26 0.00	33.20 1.15 0.00	40.69 1.15 0.00	38.46 1.08 0.00	38.05 1.07 0.00	37.24 0.98 0.00	38.28 1.04 0.00	37.47 1.13 0.00	38.00 1.21 0.00	40.07 1.32 0.00	44.92 1.31 0.00	48.71 1.56 0.00	52.71 1.83 0.00	58.18 2.29 0.00	57.89 2.07 0.00	55.84 2.15 0.00	49.98 1.64 0.00	44.99 1.52 0.00	40.47 1.25 0.00
NARROWS_GT1_1 24228	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	59.38 4.63 -3.87	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
NARROWS_GT1_2 24229	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	59.38 4.63 -3.87	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
NARROWS_GT1_3 24230	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	59.38 4.63 -3.87	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
NARROWS_GT1_4 24231	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	59.38 4.63 -3.87	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
NARROWS_GT1_5 24232	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	59.38 4.63 -3.87	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01



NARROWS_GT1_6 24233	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	59.38 4.63 -3.87	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
NARROWS_GT1_7 24234	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	59.38 4.63 -3.87	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
NARROWS_GT1_8 24235	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	59.38 4.63 -3.87	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
NARROWS_GT2_1 24236	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	68.67 4.63 -13.16	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
NARROWS_GT2_2 24237	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	68.67 4.63 -13.16	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
NARROWS_GT2_3 24238	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	68.67 4.63 -13.16	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
NARROWS_GT2_4 24239	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	68.67 4.63 -13.16	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
NARROWS_GT2_5 24240	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	68.67 4.63 -13.16	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
NARROWS_GT2_6 24241	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	68.67 4.63 -13.16	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
NARROWS_GT2_7 24242	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	68.67 4.63 -13.16	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
NARROWS_GT2_8 24243	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	68.67 4.63 -13.16	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	40.66 1.56 0.00	34.08 1.40 0.00	30.23 1.16 0.00	29.52 1.16 0.00	29.56 1.11 0.00	30.51 1.17 0.00	33.13 1.09 0.00	40.65 1.11 0.00	38.42 1.05 0.00	37.90 0.92 0.00	36.91 0.65 0.00	37.87 0.63 0.00	37.00 0.65 0.00	37.56 0.77 0.00	39.68 0.93 0.00	44.26 0.65 0.00	48.05 0.90 0.00	52.10 1.22 0.00	57.34 1.45 0.00	57.50 1.67 0.00	55.41 1.72 0.00	49.74 1.40 0.00	44.78 1.30 0.00	40.24 1.02 0.00
NCHELSEA_115KV_TR2 355582	41.60 2.50 0.00	34.86 2.19 0.00	30.87 1.80 0.00	30.20 1.84 0.00	30.21 1.76 0.00	31.16 1.82 0.00	33.78 1.73 0.00	41.37 1.82 0.00	39.28 1.91 0.00	38.86 1.89 0.00	37.96 1.70 0.00	39.10 1.86 0.00	38.23 1.89 0.00	38.85 2.06 0.00	41.07 2.32 0.00	45.92 2.31 0.00	49.75 2.59 0.00	54.29 3.41 0.00	59.58 3.69 0.00	59.29 3.46 0.00	56.91 3.22 0.00	51.04 2.71 0.00	45.78 2.30 0.00	41.14 1.92 0.00
NEG CAPITAL___MECHNVIL 23645	41.21 2.11 0.00	34.47 1.80 0.00	30.61 1.54 0.00	29.88 1.53 0.00	29.90 1.45 0.00	30.92 1.58 0.00	33.61 1.57 0.00	41.25 1.70 0.00	38.94 1.57 0.00	38.53 1.55 0.00	37.78 1.52 0.00	38.80 1.56 0.00	38.12 1.78 0.00	38.62 1.84 0.00	40.76 2.01 0.00	45.96 2.35 0.00	49.84 2.69 0.00	53.57 2.69 0.00	59.24 3.35 0.00	59.17 3.35 0.00	56.69 3.00 0.00	50.75 2.42 0.00	45.64 2.17 0.00	41.02 1.80 0.00
NEG CENTRAL_HIGH_ACRES 23767	38.71 -0.39 0.00	31.62 -1.05 0.00	28.37 -0.70 0.00	27.53 -0.82 0.00	27.71 -0.74 0.00	28.46 -0.88 0.00	30.89 -1.15 0.00	38.00 -1.54 0.00	35.77 -1.61 0.00	35.35 -1.63 0.00	34.81 -1.45 0.00	35.71 -1.53 0.00	34.71 -1.63 0.00	35.02 -1.77 0.00	36.73 -2.02 0.00	41.39 -2.22 0.00	44.75 -2.40 0.00	47.68 -3.20 0.00	52.37 -3.52 0.00	52.86 -2.96 0.00	50.63 -3.06 0.00	45.82 -2.52 0.00	41.30 -2.17 0.00	37.84 -1.37 0.00



NEG CENTRAL___DRP 24199	39.57 0.47 0.00	32.61 -0.07 0.00	29.15 0.09 0.00	28.35 0.00 0.00	28.53 0.09 0.00	29.34 0.00 0.00	31.98 -0.06 0.00	39.35 -0.20 0.00	37.00 -0.37 0.00	36.57 -0.41 0.00	35.93 -0.33 0.00	36.75 -0.48 0.00	35.83 -0.51 0.00	36.16 -0.63 0.00	38.05 -0.70 0.00	42.95 -0.65 0.00	46.45 -0.71 0.00	49.66 -1.22 0.00	54.60 -1.29 0.00	54.76 -1.06 0.00	52.67 -1.02 0.00	47.61 -0.73 0.00	42.82 -0.65 0.00	38.94 -0.27 0.00
NEG CENTRAL___INDECK 23768	40.90 1.80 0.00	33.09 0.42 0.00	29.74 0.67 0.00	28.83 0.48 0.00	29.05 0.60 0.00	29.81 0.47 0.00	32.30 0.26 0.00	39.79 0.24 0.00	37.30 -0.07 0.00	36.72 -0.26 0.00	36.04 -0.22 0.00	36.90 -0.34 0.00	35.72 -0.62 0.00	35.94 -0.84 0.00	37.74 -1.01 0.00	42.56 -1.05 0.00	46.07 -1.08 0.00	49.20 -1.68 0.00	54.27 -1.62 0.00	55.21 -0.61 0.00	52.89 -0.80 0.00	47.95 -0.39 0.00	43.12 -0.35 0.00	39.69 0.47 0.00
NEG CENTRAL___SENECA 23627	39.92 0.82 0.00	32.77 0.10 0.00	29.30 0.23 0.00	28.49 0.14 0.00	28.68 0.23 0.00	29.49 0.15 0.00	32.08 0.03 0.00	39.55 0.00 0.00	37.15 -0.22 0.00	36.68 -0.30 0.00	36.08 -0.18 0.00	36.86 -0.37 0.00	35.91 -0.44 0.00	36.23 -0.55 0.00	38.09 -0.66 0.00	43.04 -0.57 0.00	46.54 -0.61 0.00	49.56 -1.32 0.00	54.49 -1.40 0.00	54.76 -1.06 0.00	52.67 -1.02 0.00	47.66 -0.68 0.00	42.95 -0.52 0.00	39.14 -0.08 0.00
NEG CENTRAL___STATE_STREET 24147	39.41 0.31 0.00	32.64 -0.03 0.00	29.10 0.03 0.00	28.35 0.00 0.00	28.51 0.06 0.00	29.34 0.00 0.00	32.01 -0.03 0.00	39.35 -0.20 0.00	37.08 -0.30 0.00	36.68 -0.30 0.00	36.01 -0.25 0.00	36.86 -0.37 0.00	35.94 -0.40 0.00	36.31 -0.48 0.00	38.24 -0.50 0.00	43.17 -0.44 0.00	46.68 -0.47 0.00	50.12 -0.76 0.00	55.11 -0.78 0.00	55.15 -0.67 0.00	53.04 -0.64 0.00	47.90 -0.44 0.00	42.95 -0.52 0.00	38.90 -0.31 0.00
NEG MILLWOOD___DRP 24198	41.72 2.62 0.00	34.96 2.29 0.00	30.96 1.89 0.00	30.28 1.93 0.00	30.30 1.85 0.00	31.25 1.91 0.00	33.90 1.86 0.00	41.52 1.98 0.00	39.47 2.09 0.00	39.08 2.11 0.00	38.36 2.10 0.00	39.54 2.31 0.00	38.67 2.33 0.00	39.29 2.50 0.00	41.58 2.83 0.00	46.70 3.10 0.00	50.59 3.44 0.00	55.25 4.38 0.00	60.64 4.75 0.00	60.12 4.30 0.00	57.72 4.03 0.00	51.57 3.24 0.00	46.21 2.74 0.00	41.53 2.31 0.00
NEG NORTH_FLCN_SEA 23793	38.24 -0.86 0.00	32.25 -0.42 0.00	28.75 -0.32 0.00	28.10 -0.26 0.00	28.25 -0.20 0.00	29.08 -0.26 0.00	32.08 0.03 0.00	40.30 0.75 0.00	38.12 0.75 0.00	37.82 0.85 0.00	37.09 0.83 0.00	38.13 0.89 0.00	37.18 0.84 0.00	37.63 0.85 0.00	39.60 0.85 0.00	44.65 1.05 0.00	48.24 1.08 0.00	51.90 1.02 0.00	56.89 1.01 0.00	56.89 1.06 0.00	54.76 1.07 0.00	49.49 1.16 0.00	44.69 1.22 0.00	40.12 0.90 0.00
NEG NORTH_KES_CHATEGAY 23792	37.73 -1.37 0.00	31.82 -0.85 0.00	28.37 -0.70 0.00	27.70 -0.65 0.00	27.88 -0.57 0.00	28.72 -0.62 0.00	31.69 -0.35 0.00	39.82 0.28 0.00	37.71 0.34 0.00	37.38 0.41 0.00	36.66 0.40 0.00	37.64 0.41 0.00	36.70 0.36 0.00	37.19 0.40 0.00	39.14 0.39 0.00	44.13 0.52 0.00	47.62 0.47 0.00	51.34 0.46 0.00	56.28 0.39 0.00	56.27 0.45 0.00	54.17 0.48 0.00	48.96 0.63 0.00	44.21 0.74 0.00	39.69 0.47 0.00
NEG NORTH___ALICE_FALLS 23915	38.32 -0.78 0.00	32.31 -0.36 0.00	28.81 -0.26 0.00	28.13 -0.23 0.00	28.28 -0.17 0.00	29.11 -0.23 0.00	32.08 0.03 0.00	40.34 0.79 0.00	38.16 0.78 0.00	37.86 0.89 0.00	37.13 0.87 0.00	38.16 0.93 0.00	37.21 0.87 0.00	37.67 0.88 0.00	39.64 0.89 0.00	44.70 1.09 0.00	48.28 1.13 0.00	51.95 1.07 0.00	56.95 1.06 0.00	56.94 1.12 0.00	54.82 1.13 0.00	49.59 1.26 0.00	44.78 1.30 0.00	40.16 0.94 0.00
NEG NORTH___LWR_SARANAC 23913	38.32 -0.78 0.00	32.31 -0.36 0.00	28.81 -0.26 0.00	28.13 -0.23 0.00	28.28 -0.17 0.00	29.11 -0.23 0.00	32.08 0.03 0.00	40.34 0.79 0.00	38.16 0.78 0.00	37.86 0.89 0.00	37.13 0.87 0.00	38.16 0.93 0.00	37.21 0.87 0.00	37.67 0.88 0.00	39.64 0.89 0.00	44.70 1.09 0.00	48.28 1.13 0.00	51.95 1.07 0.00	56.95 1.06 0.00	56.94 1.12 0.00	54.82 1.13 0.00	49.59 1.26 0.00	44.78 1.30 0.00	40.16 0.94 0.00
NEG NORTH___PLATTSBURG 23628	38.32 -0.78 0.00	32.31 -0.36 0.00	28.80 -0.26 0.00	28.16 -0.20 0.00	28.28 -0.17 0.00	29.10 -0.24 0.00	32.08 0.03 0.00	40.34 0.79 0.00	38.20 0.82 0.00	37.90 0.92 0.00	37.17 0.91 0.00	38.16 0.93 0.00	37.21 0.87 0.00	37.67 0.88 0.00	39.64 0.89 0.00	44.61 1.00 0.00	48.14 0.99 0.00	51.95 1.07 0.00	56.67 0.78 0.00	56.33 0.50 0.00	54.82 1.13 0.00	49.59 1.25 0.00	44.69 1.22 0.00	40.16 0.94 0.00
NEG WEST_LEA_LOCKPORT 23791	39.14 0.04 0.00	31.49 -1.18 0.00	28.43 -0.64 0.00	27.53 -0.82 0.00	27.68 -0.77 0.00	28.40 -0.94 0.00	30.64 -1.41 0.00	37.89 -1.66 0.00	35.51 -1.87 0.00	34.83 -2.14 0.00	34.37 -1.89 0.00	34.93 -2.31 0.00	34.20 -2.14 0.00	34.28 -2.50 0.00	35.84 -2.91 0.00	40.60 -3.01 0.00	43.76 -3.40 0.00	46.10 -4.78 0.00	50.63 -5.25 0.00	51.14 -4.69 0.00	49.18 -4.51 0.00	44.81 -3.53 0.00	40.39 -3.09 0.00	37.73 -1.49 0.00
NEG WEST___LANCASTR 23811	39.10 0.00 0.00	31.53 -1.14 0.00	28.43 -0.64 0.00	27.53 -0.82 0.00	27.68 -0.77 0.00	28.40 -0.94 0.00	30.73 -1.31 0.00	38.04 -1.50 0.00	35.69 -1.68 0.00	34.94 -2.03 0.00	34.52 -1.74 0.00	35.11 -2.12 0.00	34.34 -2.00 0.00	34.47 -2.32 0.00	36.11 -2.63 0.00	40.86 -2.75 0.00	44.04 -3.11 0.00	46.71 -4.17 0.00	51.25 -4.64 0.00	51.75 -4.08 0.00	49.72 -3.97 0.00	45.05 -3.29 0.00	40.52 -2.96 0.00	37.61 -1.61 0.00
NEG_PENN_ALLEGHNY 23528	39.69 0.59 0.00	32.83 0.16 0.00	29.30 0.23 0.00	28.52 0.17 0.00	28.71 0.26 0.00	29.52 0.18 0.00	32.14 0.10 0.00	39.63 0.08 0.00	37.26 -0.11 0.00	36.83 -0.15 0.00	36.19 -0.07 0.00	37.09 -0.15 0.00	36.12 -0.22 0.00	36.53 -0.26 0.00	38.44 -0.31 0.00	43.35 -0.26 0.00	46.77 -0.38 0.00	50.27 -0.61 0.00	55.33 -0.56 0.00	55.71 -0.11 0.00	53.21 -0.48 0.00	47.95 -0.39 0.00	43.12 -0.35 0.00	39.14 -0.08 0.00
NEG___GEN_MONROE 24207	39.29 0.20 0.00	31.95 -0.72 0.00	28.75 -0.32 0.00	27.90 -0.45 0.00	28.05 -0.40 0.00	28.84 -0.50 0.00	31.21 -0.83 0.00	38.44 -1.11 0.00	36.14 -1.23 0.00	35.57 -1.41 0.00	35.03 -1.23 0.00	35.71 -1.53 0.00	34.92 -1.42 0.00	35.09 -1.69 0.00	36.81 -1.94 0.00	41.65 -1.96 0.00	44.89 -2.26 0.00	47.57 -3.31 0.00	52.31 -3.58 0.00	52.81 -3.01 0.00	50.79 -2.90 0.00	46.21 -2.13 0.00	41.56 -1.91 0.00	38.43 -0.78 0.00
NEPA___ENERGY 23901	39.92 0.82 0.00	32.25 -0.42 0.00	29.07 0.00 0.00	28.15 -0.20 0.00	28.31 -0.14 0.00	29.08 -0.26 0.00	31.47 -0.58 0.00	38.99 -0.55 0.00	36.55 -0.82 0.00	35.79 -1.18 0.00	35.32 -0.94 0.00	35.97 -1.27 0.00	35.14 -1.20 0.00	35.28 -1.51 0.00	36.97 -1.78 0.00	41.82 -1.79 0.00	45.13 -2.03 0.00	47.83 -3.05 0.00	52.48 -3.41 0.00	53.03 -2.79 0.00	50.90 -2.79 0.00	46.06 -2.27 0.00	41.43 -2.04 0.00	38.39 -0.82 0.00



NEVERSINK____HYD 23608	41.76 2.66 0.00	34.99 2.32 0.00	30.98 1.92 0.00	30.31 1.95 0.00	30.33 1.88 0.00	31.25 1.91 0.00	33.94 1.89 0.00	41.60 2.06 0.00	39.54 2.17 0.00	39.08 2.11 0.00	38.14 1.88 0.00	39.17 1.93 0.00	38.38 2.03 0.00	38.88 2.10 0.00	41.11 2.36 0.00	45.96 2.35 0.00	49.79 2.64 0.00	54.24 3.36 0.00	59.74 3.85 0.00	59.90 4.07 0.00	57.02 3.33 0.00	51.19 2.85 0.00	45.90 2.43 0.00	41.29 2.08 0.00
NEWKRMKL_115KV_TB1 55635	40.00 0.90 0.00	33.55 0.88 0.00	29.79 0.73 0.00	29.12 0.77 0.00	29.16 0.71 0.00	30.13 0.79 0.00	32.69 0.64 0.00	40.06 0.51 0.00	37.90 0.52 0.00	37.53 0.55 0.00	36.77 0.51 0.00	37.79 0.56 0.00	36.96 0.62 0.00	37.49 0.70 0.00	39.45 0.70 0.00	44.35 0.74 0.00	48.00 0.85 0.00	52.00 1.12 0.00	57.23 1.34 0.00	56.94 1.12 0.00	54.82 1.13 0.00	49.11 0.77 0.00	44.21 0.74 0.00	39.73 0.51 0.00
NEWTON____FALLS_HYD 23847	37.38 -1.72 0.00	31.30 -1.37 0.00	27.82 -1.25 0.00	27.11 -1.25 0.00	27.31 -1.14 0.00	28.08 -1.26 0.00	30.76 -1.28 0.00	38.40 -1.15 0.00	36.29 -1.08 0.00	35.90 -1.07 0.00	35.21 -1.05 0.00	36.08 -1.15 0.00	35.11 -1.24 0.00	35.54 -1.25 0.00	37.51 -1.24 0.00	42.39 -1.22 0.00	45.74 -1.41 0.00	49.30 -1.58 0.00	54.27 -1.62 0.00	54.37 -1.45 0.00	52.35 -1.34 0.00	47.32 -1.02 0.00	42.60 -0.87 0.00	38.27 -0.94 0.00
NGRID_A1_DSASP 323792	38.67 -0.43 0.00	31.20 -1.47 0.00	28.14 -0.93 0.00	27.25 -1.11 0.00	27.45 -1.00 0.00	28.11 -1.23 0.00	30.31 -1.73 0.00	37.45 -2.10 0.00	35.06 -2.32 0.00	34.42 -2.55 0.00	33.98 -2.28 0.00	34.81 -2.42 0.00	33.80 -2.54 0.00	33.92 -2.87 0.00	35.49 -3.25 0.00	39.99 -3.62 0.00	43.05 -4.10 0.00	45.59 -5.29 0.00	50.02 -5.87 0.00	50.91 -4.91 0.00	48.53 -5.15 0.00	43.89 -4.45 0.00	39.82 -3.65 0.00	37.26 -1.96 0.00
NGRID_A2_DSASP 323793	38.67 -0.43 0.00	31.20 -1.47 0.00	28.14 -0.93 0.00	27.25 -1.11 0.00	27.45 -1.00 0.00	28.11 -1.23 0.00	30.31 -1.73 0.00	37.45 -2.10 0.00	35.06 -2.32 0.00	34.42 -2.55 0.00	33.98 -2.28 0.00	34.81 -2.42 0.00	33.80 -2.54 0.00	33.92 -2.87 0.00	35.49 -3.25 0.00	39.99 -3.62 0.00	43.05 -4.10 0.00	45.59 -5.29 0.00	50.02 -5.87 0.00	50.91 -4.91 0.00	48.53 -5.15 0.00	43.89 -4.45 0.00	39.82 -3.65 0.00	37.26 -1.96 0.00
NGRID_A4_DSASP 323807	38.67 -0.43 0.00	31.20 -1.47 0.00	28.14 -0.93 0.00	27.25 -1.11 0.00	27.45 -1.00 0.00	28.11 -1.23 0.00	30.31 -1.73 0.00	37.45 -2.10 0.00	35.06 -2.32 0.00	34.42 -2.55 0.00	33.98 -2.28 0.00	34.81 -2.42 0.00	33.80 -2.54 0.00	33.92 -2.87 0.00	35.49 -3.25 0.00	39.99 -3.62 0.00	43.05 -4.10 0.00	45.59 -5.29 0.00	50.02 -5.87 0.00	50.91 -4.91 0.00	48.53 -5.15 0.00	43.89 -4.45 0.00	39.82 -3.65 0.00	37.26 -1.96 0.00
NIAGARA_115E_LBMP 323715	38.47 -0.63 0.00	31.01 -1.66 0.00	27.99 -1.07 0.00	27.11 -1.25 0.00	27.31 -1.14 0.00	27.96 -1.38 0.00	30.15 -1.89 0.00	37.25 -2.29 0.00	34.87 -2.50 0.00	34.24 -2.74 0.00	33.79 -2.47 0.00	34.63 -2.61 0.00	33.62 -2.73 0.00	33.70 -3.09 0.00	35.26 -3.49 0.00	39.77 -3.84 0.00	42.86 -4.29 0.00	45.33 -5.54 0.00	49.80 -6.09 0.00	50.63 -5.19 0.00	48.32 -5.37 0.00	43.69 -4.64 0.00	39.65 -3.83 0.00	37.06 -2.16 0.00
NIAGARA_115W_LBMP 323714	38.51 -0.59 0.00	31.10 -1.57 0.00	28.02 -1.05 0.00	27.16 -1.19 0.00	27.37 -1.08 0.00	28.02 -1.32 0.00	30.22 -1.83 0.00	37.33 -2.21 0.00	34.95 -2.43 0.00	34.31 -2.66 0.00	33.87 -2.39 0.00	34.70 -2.53 0.00	33.69 -2.65 0.00	33.81 -2.98 0.00	35.38 -3.37 0.00	39.86 -3.75 0.00	42.91 -4.24 0.00	45.44 -5.44 0.00	49.85 -6.04 0.00	50.75 -5.08 0.00	48.37 -5.32 0.00	43.74 -4.59 0.00	39.69 -3.78 0.00	37.14 -2.08 0.00
NIAGARA_230_LBMP 323716	38.75 -0.35 0.00	31.36 -1.31 0.00	28.25 -0.81 0.00	27.39 -0.96 0.00	27.60 -0.85 0.00	28.26 -1.09 0.00	30.51 -1.54 0.00	37.69 -1.86 0.00	35.28 -2.09 0.00	34.65 -2.33 0.00	34.19 -2.07 0.00	35.04 -2.20 0.00	34.01 -2.33 0.00	34.14 -2.65 0.00	35.73 -3.02 0.00	40.25 -3.36 0.00	43.38 -3.77 0.00	45.89 -4.98 0.00	50.41 -5.47 0.00	51.30 -4.52 0.00	48.86 -4.83 0.00	44.18 -4.16 0.00	40.08 -3.39 0.00	37.45 -1.76 0.00
NIAGARA__115KV_198_GIBSON 55903	38.51 -0.59 0.00	31.07 -1.60 0.00	28.02 -1.05 0.00	27.16 -1.19 0.00	27.28 -1.17 0.00	28.02 -1.32 0.00	30.22 -1.83 0.00	37.37 -2.18 0.00	35.02 -2.35 0.00	34.31 -2.66 0.00	33.87 -2.39 0.00	34.40 -2.83 0.00	33.72 -2.62 0.00	33.81 -2.98 0.00	35.38 -3.37 0.00	40.03 -3.58 0.00	43.10 -4.06 0.00	45.38 -5.49 0.00	49.85 -6.04 0.00	50.35 -5.47 0.00	48.37 -5.32 0.00	44.08 -4.25 0.00	39.73 -3.74 0.00	37.22 -2.00 0.00
NIAGARA____ 23760	38.75 -0.35 0.00	31.36 -1.31 0.00	28.25 -0.81 0.00	27.39 -0.96 0.00	27.60 -0.85 0.00	28.26 -1.09 0.00	30.51 -1.54 0.00	37.69 -1.86 0.00	35.28 -2.09 0.00	34.65 -2.33 0.00	34.19 -2.07 0.00	35.04 -2.20 0.00	34.01 -2.33 0.00	34.14 -2.65 0.00	35.73 -3.02 0.00	40.25 -3.36 0.00	43.38 -3.77 0.00	45.89 -4.98 0.00	50.41 -5.47 0.00	51.30 -4.52 0.00	48.86 -4.83 0.00	44.18 -4.16 0.00	40.08 -3.39 0.00	37.45 -1.76 0.00
NINE_MILE_1 23575	38.16 -0.94 0.00	31.79 -0.88 0.00	28.34 -0.73 0.00	27.62 -0.74 0.00	27.77 -0.68 0.00	28.61 -0.73 0.00	31.18 -0.86 0.00	38.20 -1.34 0.00	36.03 -1.34 0.00	35.64 -1.33 0.00	34.96 -1.30 0.00	35.89 -1.34 0.00	35.00 -1.34 0.00	35.39 -1.40 0.00	37.28 -1.47 0.00	41.95 -1.66 0.00	45.36 -1.79 0.00	48.79 -2.09 0.00	53.65 -2.24 0.00	53.76 -2.06 0.00	51.59 -2.09 0.00	46.50 -1.84 0.00	41.78 -1.70 0.00	37.81 -1.41 0.00
NINE_MILE_2 23744	38.16 -0.94 0.00	31.79 -0.88 0.00	28.34 -0.73 0.00	27.62 -0.74 0.00	27.77 -0.68 0.00	28.61 -0.73 0.00	31.18 -0.86 0.00	38.20 -1.34 0.00	36.03 -1.34 0.00	35.64 -1.33 0.00	34.96 -1.30 0.00	35.89 -1.34 0.00	35.00 -1.34 0.00	35.39 -1.40 0.00	37.28 -1.47 0.00	41.95 -1.66 0.00	45.36 -1.79 0.00	48.79 -2.09 0.00	53.65 -2.24 0.00	53.76 -2.06 0.00	51.59 -2.09 0.00	46.50 -1.84 0.00	41.82 -1.65 0.00	37.81 -1.41 0.00
NM_CAPITAL____DRP 24208	40.15 1.06 0.00	33.65 0.98 0.00	29.88 0.81 0.00	29.20 0.85 0.00	29.25 0.80 0.00	30.22 0.88 0.00	32.78 0.74 0.00	40.18 0.63 0.00	38.01 0.64 0.00	37.64 0.67 0.00	36.84 0.58 0.00	37.90 0.67 0.00	37.03 0.69 0.00	37.60 0.81 0.00	39.56 0.81 0.00	44.48 0.87 0.00	48.19 1.04 0.00	52.15 1.27 0.00	57.45 1.56 0.00	57.16 1.34 0.00	55.03 1.34 0.00	49.35 1.02 0.00	44.38 0.91 0.00	39.88 0.67 0.00
NM_CENTRAL____DRP 24181	39.10 0.00 0.00	32.47 -0.20 0.00	28.95 -0.12 0.00	28.21 -0.14 0.00	28.34 -0.11 0.00	29.19 -0.15 0.00	31.79 -0.26 0.00	39.03 -0.51 0.00	36.81 -0.56 0.00	36.42 -0.55 0.00	35.79 -0.47 0.00	36.67 -0.56 0.00	35.76 -0.58 0.00	36.12 -0.66 0.00	38.05 -0.70 0.00	42.87 -0.74 0.00	46.35 -0.80 0.00	49.81 -1.07 0.00	54.60 -1.29 0.00	54.60 -1.23 0.00	52.56 -1.13 0.00	47.42 -0.92 0.00	42.56 -0.91 0.00	38.51 -0.71 0.00



NM_FRONTIER___DRP 24179	38.51 -0.59 0.00	31.07 -1.60 0.00	28.02 -1.05 0.00	27.16 -1.19 0.00	27.28 -1.17 0.00	28.02 -1.32 0.00	30.22 -1.83 0.00	37.37 -2.18 0.00	35.02 -2.35 0.00	34.31 -2.66 0.00	33.87 -2.39 0.00	34.40 -2.83 0.00	33.72 -2.62 0.00	33.81 -2.98 0.00	35.38 -3.37 0.00	40.03 -3.58 0.00	43.10 -4.06 0.00	45.38 -5.49 0.00	49.85 -6.04 0.00	50.35 -5.47 0.00	48.37 -5.32 0.00	44.08 -4.25 0.00	39.73 -3.74 0.00	37.22 -2.00 0.00
NM_ST_REGIS___HYD 24053	37.10 -1.99 0.00	31.27 -1.40 0.00	27.82 -1.25 0.00	27.11 -1.25 0.00	27.25 -1.19 0.00	28.02 -1.32 0.00	30.89 -1.15 0.00	38.99 -0.55 0.00	36.89 -0.49 0.00	36.57 -0.41 0.00	35.86 -0.40 0.00	36.82 -0.41 0.00	35.91 -0.44 0.00	36.38 -0.40 0.00	38.28 -0.46 0.00	43.26 -0.35 0.00	46.49 -0.66 0.00	50.06 -0.81 0.00	54.88 -1.01 0.00	54.93 -0.89 0.00	52.88 -0.81 0.00	47.85 -0.48 0.00	43.38 -0.09 0.00	38.86 -0.35 0.00
NORTHPORT___1 23551	41.76 2.66 0.00	35.42 2.74 0.00	31.30 2.24 0.00	30.82 2.47 0.00	30.64 2.19 0.00	31.57 2.23 0.00	34.16 2.11 0.00	41.84 2.29 0.00	39.95 2.58 0.00	39.49 2.52 0.00	38.66 2.39 -0.01	39.28 2.05 0.00	38.84 2.51 0.00	38.80 2.02 0.00	40.72 1.98 0.00	45.87 2.27 0.00	49.74 2.59 0.00	54.49 3.61 0.00	59.86 3.97 0.00	59.79 3.96 0.00	56.75 3.06 0.00	51.14 2.80 0.00	45.52 2.04 0.00	41.02 1.80 0.00
NORTHPORT___2 23552	41.76 2.66 0.00	35.42 2.74 0.00	31.30 2.24 0.00	30.82 2.47 0.00	30.64 2.19 0.00	31.57 2.23 0.00	34.16 2.11 0.00	41.84 2.29 0.00	39.95 2.58 0.00	39.49 2.52 0.00	38.66 2.39 -0.01	39.28 2.05 0.00	38.84 2.51 0.00	38.80 2.02 0.00	40.72 1.98 0.00	45.87 2.27 0.00	49.74 2.59 0.00	54.49 3.61 0.00	59.86 3.97 0.00	59.79 3.96 0.00	56.75 3.06 0.00	51.14 2.80 0.00	45.52 2.04 0.00	41.02 1.80 0.00
NORTHPORT___3 23553	41.79 2.70 0.00	35.29 2.61 0.00	31.19 2.12 0.00	30.68 2.33 0.00	30.50 2.05 0.00	31.45 2.11 0.00	34.07 2.02 0.00	41.76 2.21 0.00	39.84 2.47 0.00	39.41 2.44 0.00	38.74 2.47 -0.01	39.47 2.23 0.00	38.99 2.65 0.00	39.03 2.24 0.00	41.11 2.36 0.00	46.27 2.66 0.00	50.17 3.02 0.00	54.89 4.02 0.01	60.30 4.41 0.00	60.18 4.36 0.00	57.07 3.38 0.00	51.43 3.10 0.00	45.82 2.35 0.00	41.25 2.04 0.00
NORTHPORT___4 23650	41.79 2.70 0.00	35.29 2.61 0.00	31.19 2.12 0.00	30.68 2.33 0.00	30.50 2.05 0.00	31.45 2.11 0.00	34.07 2.02 0.00	41.76 2.21 0.00	39.84 2.47 0.00	39.41 2.44 0.00	38.74 2.47 -0.01	39.47 2.23 0.00	38.99 2.65 0.00	39.03 2.24 0.00	41.11 2.36 0.00	46.27 2.66 0.00	50.17 3.02 0.00	54.89 4.02 0.01	60.30 4.41 0.00	60.18 4.36 0.00	57.07 3.38 0.00	51.43 3.10 0.00	45.82 2.35 0.00	41.25 2.04 0.00
NORTHPORT___IC 23718	42.07 2.97 0.00	35.51 2.84 0.00	31.30 2.24 0.00	30.85 2.50 0.00	30.67 2.22 0.00	31.57 2.23 0.00	34.16 2.11 0.00	41.52 1.98 0.00	39.62 2.24 0.00	39.23 2.26 0.00	38.52 2.25 -0.01	39.28 2.05 0.00	38.08 1.74 0.00	38.77 1.99 0.00	40.72 1.98 0.00	45.70 2.09 0.00	49.51 2.36 0.00	54.44 3.56 0.00	59.41 3.52 0.00	58.95 3.13 0.00	56.53 2.85 0.00	50.99 2.66 0.00	45.43 1.96 0.00	40.90 1.69 0.00
NORTH___COUNTRY_ESR 323785	37.61 -1.49 0.00	31.72 -0.95 0.00	28.28 -0.78 0.00	27.67 -0.68 0.00	27.80 -0.65 0.00	28.67 -0.67 0.00	31.63 -0.42 0.00	39.79 0.24 0.00	37.64 0.26 0.00	37.34 0.37 0.00	36.62 0.36 0.00	37.61 0.37 0.00	36.70 0.36 0.00	37.15 0.37 0.00	39.10 0.35 0.00	44.00 0.39 0.00	47.44 0.28 0.00	51.24 0.36 0.00	55.83 -0.06 0.00	55.49 -0.33 0.00	54.01 0.32 0.00	48.87 0.53 0.00	44.04 0.56 0.00	39.61 0.39 0.00
NPX_GEN_1385_PROXY 323591	41.13 2.03 0.00	35.15 2.48 0.00	31.25 2.18 0.00	30.74 2.38 0.00	30.55 2.11 0.00	31.51 2.17 0.00	33.90 1.86 0.00	41.41 1.86 0.00	39.65 2.28 0.00	39.27 2.29 0.00	36.40 1.74 1.60	35.30 1.38 3.31	36.90 1.85 1.29	38.22 1.43 0.00	40.07 1.32 0.00	45.09 1.48 0.00	48.99 1.84 0.00	53.82 2.95 0.00	59.30 3.41 0.00	59.29 3.46 0.00	56.32 2.63 0.00	50.61 2.27 0.00	45.03 1.56 0.00	40.47 1.25 0.00
NPX_GEN_CSC 323557	42.19 3.09 0.00	35.74 3.07 0.00	31.57 2.50 0.00	31.13 2.78 0.00	30.92 2.47 0.00	31.83 2.49 0.00	34.45 2.40 0.00	42.20 2.65 0.00	40.29 2.92 0.00	39.78 2.81 0.00	39.03 2.75 -0.01	39.65 2.42 0.00	39.03 2.69 0.00	38.99 2.21 0.00	41.11 2.36 0.00	46.44 2.83 0.00	50.45 3.30 0.00	55.30 4.42 0.00	60.81 4.91 0.00	60.74 3.92 0.00	57.61 3.72 0.00	52.06 2.78 0.00	46.26 2.00 0.00	41.73 2.51 0.00
NSINS_S_GLNS_FALLS 23858	41.52 2.42 0.00	34.70 2.03 0.00	30.81 1.74 0.00	30.05 1.70 0.00	30.10 1.65 0.00	31.10 1.76 0.00	33.84 1.79 0.00	41.45 1.90 0.00	39.13 1.76 0.00	38.71 1.74 0.00	38.00 1.74 0.00	39.02 1.79 0.00	38.52 2.18 0.00	39.07 2.28 0.00	41.27 2.52 0.00	45.31 1.70 0.00	48.99 1.84 0.00	52.76 1.88 0.00	58.18 2.29 0.00	57.95 2.12 0.00	55.94 2.25 0.00	49.88 1.55 0.00	45.04 1.56 0.00	41.29 2.08 0.00
NUCOR_STEEL___DRP 24197	39.49 0.39 0.00	32.70 0.03 0.00	29.18 0.12 0.00	28.44 0.09 0.00	28.59 0.14 0.00	29.43 0.09 0.00	32.08 0.03 0.00	39.43 -0.12 0.00	37.11 -0.26 0.00	36.75 -0.22 0.00	36.08 -0.18 0.00	36.94 -0.30 0.00	35.98 -0.36 0.00	36.38 -0.40 0.00	38.32 -0.43 0.00	43.22 -0.39 0.00	46.68 -0.47 0.00	50.17 -0.71 0.00	55.16 -0.73 0.00	55.21 -0.61 0.00	53.15 -0.54 0.00	48.00 -0.34 0.00	43.04 -0.43 0.00	39.02 -0.20 0.00
NUMBER_THREE_WT_PWR 323818	38.83 -0.27 0.00	32.38 -0.29 0.00	28.80 -0.26 0.00	28.07 -0.28 0.00	28.31 -0.14 0.00	29.10 -0.24 0.00	31.76 -0.29 0.00	39.19 -0.36 0.00	37.00 -0.37 0.00	36.53 -0.44 0.00	35.83 -0.43 0.00	36.68 -0.56 0.00	35.65 -0.69 0.00	36.09 -0.70 0.00	38.13 -0.62 0.00	43.04 -0.57 0.00	46.68 -0.47 0.00	50.37 -0.51 0.00	55.55 -0.33 0.00	55.71 -0.11 0.00	53.64 -0.05 0.00	48.38 0.05 0.00	43.34 -0.13 0.00	38.98 -0.23 0.00
NYISO_LBMP_REFERENCE 24008	39.10 0.00 0.00	32.67 0.00 0.00	29.07 0.00 0.00	28.35 0.00 0.00	28.45 0.00 0.00	29.34 0.00 0.00	32.04 0.00 0.00	39.55 0.00 0.00	37.37 0.00 0.00	36.97 0.00 0.00	36.26 0.00 0.00	37.23 0.00 0.00	36.34 0.00 0.00	36.79 0.00 0.00	38.75 0.00 0.00	43.61 0.00 0.00	47.15 0.00 0.00	50.88 0.00 0.00	55.89 0.00 0.00	55.82 0.00 0.00	53.69 0.00 0.00	48.33 0.00 0.00	43.47 0.00 0.00	39.22 0.00 0.00
NYPA_BRENTWD____GT 24164	42.19 3.09 0.00	35.71 3.04 0.00	31.57 2.50 0.00	31.08 2.72 0.00	30.87 2.42 0.00	31.83 2.49 0.00	34.45 2.40 0.00	42.20 2.65 0.00	40.29 2.92 0.00	39.82 2.85 0.00	39.07 2.79 -0.02	39.73 2.49 0.00	39.21 2.87 0.00	39.17 2.39 0.00	41.23 2.48 0.00	46.44 2.83 0.00	50.40 3.25 0.00	55.20 4.32 0.00	60.64 4.75 0.00	60.57 4.74 0.00	57.50 3.81 0.00	51.86 3.53 0.00	46.12 2.65 0.00	41.57 2.35 0.00



NYPA_GOWANUS____GT5 24156	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	59.38 4.63 -3.87	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
NYPA_GOWANUS____GT6 24157	42.31 3.21 -0.01	35.45 2.78 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.04 2.49 0.00	40.03 2.65 0.00	39.65 2.66 -0.01	38.81 2.54 -0.01	39.97 2.72 -0.02	39.16 2.80 -0.02	42.43 2.87 -2.78	46.78 3.10 -4.93	47.11 3.49 -0.01	50.88 3.72 0.00	59.38 4.63 -3.87	61.09 5.20 0.00	60.63 4.80 0.00	57.56 3.87 0.00	51.52 3.19 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01
NYPA_HARLEM__RVR__GT1 24160	42.04 2.93 -0.01	35.19 2.52 -0.01	31.14 2.06 -0.01	30.49 2.13 -0.01	30.48 2.02 -0.01	31.25 1.91 0.00	33.80 1.76 0.01	41.55 2.02 0.01	39.61 2.24 0.01	39.22 2.26 0.01	38.39 2.14 0.01	39.53 2.31 0.01	38.81 2.47 0.01	39.28 2.50 0.01	41.49 2.75 0.01	46.65 3.05 0.01	50.40 3.25 0.01	54.64 4.07 0.32	60.40 4.52 0.01	60.01 4.19 0.01	56.96 3.28 0.01	50.98 2.66 0.01	45.90 2.43 0.00	41.49 2.27 0.00
NYPA_HARLEM__RVR__GT2 24161	42.04 2.93 -0.01	35.19 2.52 -0.01	31.14 2.06 -0.01	30.49 2.13 -0.01	30.48 2.02 -0.01	31.25 1.91 0.00	33.80 1.76 0.01	41.55 2.02 0.01	39.61 2.24 0.01	39.22 2.26 0.01	38.39 2.14 0.01	39.53 2.31 0.01	38.81 2.47 0.01	39.28 2.50 0.01	41.49 2.75 0.01	46.65 3.05 0.01	50.40 3.25 0.01	54.64 4.07 0.32	60.40 4.52 0.01	60.01 4.19 0.01	56.96 3.28 0.01	50.98 2.66 0.01	45.90 2.43 0.00	41.49 2.27 0.00
NYPA_KENT____GT 24152	42.19 3.09 -0.01	35.36 2.68 -0.01	31.31 2.24 -0.01	30.66 2.30 -0.01	30.68 2.22 -0.01	31.55 2.20 0.00	34.13 2.08 0.00	41.96 2.41 0.00	39.92 2.54 0.00	39.57 2.59 0.00	38.73 2.47 0.00	39.85 2.61 -0.01	39.08 2.73 -0.01	41.17 2.79 -1.59	44.59 3.02 -2.82	47.02 3.40 0.00	50.78 3.63 0.00	47.05 4.48 8.31	60.92 5.03 0.00	60.46 4.63 0.00	57.45 3.76 0.00	51.43 3.10 0.00	46.30 2.82 0.00	41.69 2.47 0.00
NYPA_POUCH1____GT 24155	42.24 3.13 -0.01	35.42 2.74 -0.01	31.40 2.33 -0.01	30.74 2.38 -0.01	30.73 2.28 -0.01	31.64 2.29 -0.01	34.19 2.15 0.00	42.00 2.45 0.00	39.95 2.58 0.00	39.61 2.63 -0.01	38.73 2.47 -0.01	39.90 2.64 -0.02	39.01 2.65 -0.02	42.28 2.72 -2.78	46.62 2.94 -4.93	46.97 3.36 -0.01	50.69 3.54 0.00	58.72 4.48 -3.36	60.86 4.97 0.00	60.40 4.58 0.00	57.39 3.70 0.00	51.38 3.05 0.00	46.35 2.87 -0.01	41.77 2.55 -0.01
NYPA_VERNON____GT2 24162	42.08 2.97 -0.01	35.26 2.58 -0.01	31.23 2.15 -0.01	30.58 2.21 -0.01	30.59 2.13 -0.01	31.46 2.11 0.00	34.03 1.99 0.00	41.84 2.29 0.00	39.84 2.47 0.00	39.45 2.48 0.00	38.62 2.36 0.00	39.77 2.53 0.00	39.00 2.65 0.00	39.91 2.72 -0.40	42.41 2.94 -0.71	46.88 3.27 0.00	50.64 3.49 0.00	51.94 4.38 3.31	60.75 4.86 0.00	60.34 4.52 0.00	57.29 3.60 0.00	51.33 3.00 0.00	46.17 2.70 0.00	41.61 2.39 0.00
NYPA_VERNON____GT3 24163	42.08 2.97 -0.01	35.26 2.58 -0.01	31.23 2.15 -0.01	30.58 2.21 -0.01	30.59 2.13 -0.01	31.46 2.11 0.00	34.03 1.99 0.00	41.84 2.29 0.00	39.84 2.47 0.00	39.45 2.48 0.00	38.62 2.36 0.00	39.77 2.53 0.00	39.00 2.65 0.00	39.91 2.72 -0.40	42.41 2.94 -0.71	46.88 3.27 0.00	50.64 3.49 0.00	51.94 4.38 3.31	60.75 4.86 0.00	60.34 4.52 0.00	57.29 3.60 0.00	51.33 3.00 0.00	46.17 2.70 0.00	41.61 2.39 0.00
NYPA__ASTORIA_CC1 323568	42.04 2.93 -0.01	35.23 2.55 -0.01	31.23 2.15 -0.01	30.57 2.21 -0.01	30.56 2.11 -0.01	31.42 2.08 0.00	34.00 1.96 0.00	41.80 2.25 0.00	39.77 2.39 0.00	39.41 2.44 0.00	38.55 2.29 0.00	39.69 2.46 0.00	38.96 2.62 0.00	39.44 2.65 0.00	41.62 2.87 0.00	46.84 3.23 0.00	50.59 3.44 0.00	53.67 4.27 1.48	60.70 4.81 0.00	60.29 4.47 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.08 2.61 0.00	41.53 2.31 0.00
NYPA__ASTORIA_CC2 323569	42.04 2.93 -0.01	35.23 2.55 -0.01	31.23 2.15 -0.01	30.57 2.21 -0.01	30.56 2.11 -0.01	31.42 2.08 0.00	34.00 1.96 0.00	41.80 2.25 0.00	39.77 2.39 0.00	39.41 2.44 0.00	38.55 2.29 0.00	39.69 2.46 0.00	38.96 2.62 0.00	39.44 2.65 0.00	41.62 2.87 0.00	46.84 3.23 0.00	50.59 3.44 0.00	53.67 4.27 1.48	60.70 4.81 0.00	60.29 4.47 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.08 2.61 0.00	41.53 2.31 0.00
NYPA__HOLTSVILL 23794	41.91 2.82 0.00	35.58 2.91 0.00	31.42 2.35 0.00	30.96 2.61 0.00	30.75 2.30 0.00	31.69 2.35 0.00	34.32 2.28 0.00	42.04 2.49 0.00	40.10 2.73 0.00	39.64 2.66 0.00	38.88 2.61 -0.01	39.54 2.31 0.00	38.92 2.58 0.00	38.92 2.13 0.00	40.96 2.21 0.00	46.18 2.57 0.00	50.08 2.92 0.00	54.85 3.97 0.00	60.25 4.36 0.00	60.18 4.36 0.00	57.13 3.44 0.00	51.57 3.24 0.00	45.90 2.43 0.00	41.37 2.16 0.00
NYPA____HELLGATE_GT1 24158	42.04 2.93 -0.01	35.19 2.52 -0.01	31.14 2.06 -0.01	30.49 2.13 -0.01	30.48 2.02 -0.01	31.25 1.91 0.00	33.80 1.76 0.01	41.55 2.02 0.01	39.61 2.24 0.01	39.22 2.26 0.01	38.39 2.14 0.01	39.53 2.31 0.01	38.81 2.47 0.01	39.28 2.50 0.01	41.49 2.75 0.01	46.65 3.05 0.01	50.40 3.25 0.01	54.64 4.07 0.32	60.46 4.58 0.01	60.06 4.24 0.01	57.01 3.33 0.01	50.98 2.66 0.01	45.90 2.43 0.00	41.49 2.27 0.00
NYPA____HELLGATE_GT2 24159	42.04 2.93 -0.01	35.19 2.52 -0.01	31.14 2.06 -0.01	30.49 2.13 -0.01	30.48 2.02 -0.01	31.25 1.91 0.00	33.80 1.76 0.01	41.55 2.02 0.01	39.61 2.24 0.01	39.22 2.26 0.01	38.39 2.14 0.01	39.53 2.31 0.01	38.81 2.47 0.01	39.28 2.50 0.01	41.49 2.75 0.01	46.65 3.05 0.01	50.40 3.25 0.01	54.64 4.07 0.32	60.46 4.58 0.01	60.06 4.24 0.01	57.01 3.33 0.01	50.98 2.66 0.01	45.90 2.43 0.00	41.49 2.27 0.00
NYS_BARGE__HYD 23848	39.14 0.04 0.00	31.50 -1.17 0.00	28.43 -0.64 0.00	27.50 -0.85 0.00	27.71 -0.74 0.00	28.37 -0.97 0.00	30.60 -1.44 0.00	37.81 -1.74 0.00	35.43 -1.95 0.00	34.79 -2.18 0.00	34.34 -1.92 0.00	35.19 -2.05 0.00	34.12 -2.22 0.00	34.21 -2.58 0.00	35.80 -2.95 0.00	40.38 -3.23 0.00	43.52 -3.63 0.00	46.09 -4.78 0.00	50.58 -5.31 0.00	51.53 -4.30 0.00	49.13 -4.56 0.00	44.47 -3.87 0.00	40.30 -3.17 0.00	37.61 -1.61 0.00
OAK_ORCHARD__HYD 24046	39.41 0.31 0.00	32.08 -0.59 0.00	28.80 -0.26 0.00	27.96 -0.40 0.00	28.14 -0.31 0.00	28.90 -0.44 0.00	31.31 -0.74 0.00	38.52 -1.03 0.00	36.25 -1.12 0.00	35.75 -1.22 0.00	35.21 -1.05 0.00	36.15 -1.08 0.00	35.11 -1.24 0.00	35.39 -1.40 0.00	37.12 -1.63 0.00	41.78 -1.83 0.00	45.17 -1.98 0.00	48.03 -2.85 0.00	52.81 -3.07 0.00	53.37 -2.46 0.00	51.11 -2.58 0.00	46.26 -2.08 0.00	41.73 -1.74 0.00	38.43 -0.78 0.00



OAKDALE___35_KV_LOAD 356122	39.61 0.51 0.00	32.80 0.13 0.00	29.27 0.20 0.00	28.49 0.14 0.00	28.65 0.20 0.00	29.49 0.15 0.00	32.08 0.03 0.00	39.55 0.00 0.00	37.22 -0.15 0.00	36.75 -0.22 0.00	36.11 -0.15 0.00	36.97 -0.26 0.00	36.05 -0.29 0.00	36.46 -0.33 0.00	38.36 -0.39 0.00	43.26 -0.35 0.00	46.78 -0.38 0.00	50.17 -0.71 0.00	55.16 -0.73 0.00	55.27 -0.56 0.00	53.10 -0.59 0.00	47.90 -0.44 0.00	43.04 -0.43 0.00	39.06 -0.16 0.00
OCC_CHEM___DRP 24175	38.63 -0.47 0.00	31.20 -1.47 0.00	28.14 -0.93 0.00	27.25 -1.11 0.00	27.40 -1.05 0.00	28.11 -1.23 0.00	30.31 -1.73 0.00	37.49 -2.06 0.00	35.13 -2.24 0.00	34.42 -2.55 0.00	33.98 -2.28 0.00	34.52 -2.72 0.00	33.87 -2.47 0.00	33.92 -2.87 0.00	35.49 -3.25 0.00	40.16 -3.45 0.00	43.24 -3.91 0.00	45.54 -5.34 0.00	50.02 -5.87 0.00	50.52 -5.30 0.00	48.54 -5.15 0.00	44.23 -4.11 0.00	39.86 -3.61 0.00	37.33 -1.88 0.00
OH_GEN_PROXY 24063	38.78 -0.31 0.00	31.40 -1.27 0.00	28.28 -0.78 0.00	27.39 -0.96 0.00	27.60 -0.85 0.00	28.29 -1.06 0.00	30.54 -1.51 0.00	37.73 -1.82 0.00	35.32 -2.06 0.00	34.72 -2.26 0.00	34.23 -2.03 0.00	35.07 -2.16 0.00	34.05 -2.29 0.00	34.18 -2.61 0.00	35.77 -2.98 0.00	40.34 -3.27 0.00	43.43 -3.73 0.00	46.04 -4.83 0.00	50.58 -5.31 0.00	51.41 -4.41 0.00	49.02 -4.67 0.00	44.27 -4.06 0.00	40.17 -3.31 0.00	37.49 -1.72 0.00
OLIN_CORP_DRP 24177	38.55 -0.55 0.00	31.10 -1.57 0.00	28.05 -1.02 0.00	27.16 -1.19 0.00	27.31 -1.14 0.00	28.02 -1.32 0.00	30.22 -1.83 0.00	37.37 -2.18 0.00	35.02 -2.35 0.00	34.31 -2.66 0.00	33.90 -2.36 0.00	34.44 -2.79 0.00	33.72 -2.62 0.00	33.81 -2.98 0.00	35.38 -3.37 0.00	40.03 -3.58 0.00	43.14 -4.01 0.00	45.43 -5.44 0.00	49.91 -5.98 0.00	50.41 -5.42 0.00	48.43 -5.26 0.00	44.13 -4.21 0.00	39.78 -3.70 0.00	37.22 -2.00 0.00
OLIN_CORP_DSASP 323712	38.67 -0.43 0.00	31.20 -1.47 0.00	28.14 -0.93 0.00	27.25 -1.11 0.00	27.45 -1.00 0.00	28.11 -1.23 0.00	30.31 -1.73 0.00	37.45 -2.10 0.00	35.06 -2.32 0.00	34.42 -2.55 0.00	33.98 -2.28 0.00	34.81 -2.42 0.00	33.80 -2.54 0.00	33.92 -2.87 0.00	35.49 -3.25 0.00	39.99 -3.62 0.00	43.05 -4.10 0.00	45.59 -5.29 0.00	50.02 -5.87 0.00	50.91 -4.91 0.00	48.53 -5.15 0.00	43.89 -4.45 0.00	39.82 -3.65 0.00	37.26 -1.96 0.00
ONEIDA_HERK_LFGE 323681	39.49 0.39 0.00	32.93 0.26 0.00	29.30 0.23 0.00	28.55 0.20 0.00	28.76 0.31 0.00	29.60 0.26 0.00	32.27 0.23 0.00	39.75 0.20 0.00	37.52 0.15 0.00	37.09 0.11 0.00	36.41 0.15 0.00	37.27 0.04 0.00	36.27 -0.07 0.00	36.75 -0.04 0.00	38.79 0.04 0.00	43.74 0.13 0.00	47.44 0.28 0.00	51.13 0.26 0.00	56.33 0.45 0.00	56.44 0.62 0.00	54.23 0.54 0.00	48.87 0.53 0.00	43.78 0.31 0.00	39.45 0.24 0.00
ONEIDA___115KV_TB4 55905	40.00 0.90 0.00	33.29 0.62 0.00	29.65 0.58 0.00	28.89 0.54 0.00	29.08 0.63 0.00	29.93 0.59 0.00	32.62 0.58 0.00	40.10 0.55 0.00	37.82 0.45 0.00	37.38 0.41 0.00	36.73 0.47 0.00	37.61 0.37 0.00	36.60 0.25 0.00	37.04 0.26 0.00	39.10 0.35 0.00	44.13 0.52 0.00	47.77 0.61 0.00	51.44 0.56 0.00	56.61 0.73 0.00	56.66 0.84 0.00	54.49 0.81 0.00	49.11 0.77 0.00	43.99 0.52 0.00	39.73 0.51 0.00
ONONDAGA_REF_OCCRA 23987	39.18 0.08 0.00	32.54 -0.13 0.00	29.01 -0.06 0.00	28.27 -0.09 0.00	28.42 -0.03 0.00	29.25 -0.09 0.00	31.88 -0.16 0.00	39.15 -0.40 0.00	36.89 -0.49 0.00	36.53 -0.44 0.00	35.86 -0.40 0.00	36.75 -0.48 0.00	35.83 -0.51 0.00	36.23 -0.55 0.00	38.13 -0.62 0.00	43.00 -0.61 0.00	46.49 -0.66 0.00	50.01 -0.86 0.00	54.88 -1.01 0.00	54.88 -0.95 0.00	52.83 -0.86 0.00	47.61 -0.73 0.00	42.73 -0.74 0.00	38.67 -0.55 0.00
ONONDAGA___COGEN 23986	39.18 0.08 0.00	32.57 -0.10 0.00	29.04 -0.03 0.00	28.27 -0.09 0.00	28.42 -0.03 0.00	29.25 -0.09 0.00	31.92 -0.13 0.00	39.19 -0.36 0.00	36.93 -0.45 0.00	36.57 -0.41 0.00	35.90 -0.36 0.00	36.79 -0.45 0.00	35.87 -0.47 0.00	36.27 -0.52 0.00	38.17 -0.58 0.00	43.04 -0.57 0.00	46.49 -0.66 0.00	50.01 -0.86 0.00	54.88 -1.01 0.00	54.93 -0.89 0.00	52.83 -0.86 0.00	47.66 -0.68 0.00	42.78 -0.70 0.00	38.71 -0.51 0.00
ONTARIO___LFGE 23819	39.92 0.82 0.00	32.77 0.10 0.00	29.30 0.23 0.00	28.50 0.14 0.00	28.71 0.26 0.00	29.49 0.15 0.00	32.08 0.03 0.00	39.55 0.00 0.00	37.11 -0.26 0.00	36.68 -0.30 0.00	36.04 -0.22 0.00	36.93 -0.30 0.00	35.87 -0.47 0.00	36.24 -0.55 0.00	38.09 -0.66 0.00	42.96 -0.65 0.00	46.21 -0.94 0.00	49.56 -1.32 0.00	54.55 -1.34 0.00	55.10 -0.73 0.00	52.67 -1.02 0.00	47.56 -0.78 0.00	42.91 -0.57 0.00	39.14 -0.08 0.00
ORANGEVILLE_WT_PWR 323706	39.61 0.51 0.00	32.08 -0.59 0.00	28.89 -0.17 0.00	28.01 -0.34 0.00	28.22 -0.23 0.00	28.93 -0.41 0.00	31.28 -0.77 0.00	38.68 -0.87 0.00	36.22 -1.16 0.00	35.61 -1.37 0.00	35.10 -1.16 0.00	35.93 -1.30 0.00	34.89 -1.45 0.00	35.02 -1.77 0.00	36.73 -2.02 0.00	41.43 -2.18 0.00	44.65 -2.50 0.00	47.47 -3.41 0.00	52.20 -3.69 0.00	53.09 -2.73 0.00	50.63 -3.06 0.00	45.72 -2.61 0.00	41.30 -2.17 0.00	38.24 -0.98 0.00
ORANGEVILLE___ESR 323794	39.61 0.51 0.00	32.08 -0.59 0.00	28.89 -0.17 0.00	28.01 -0.34 0.00	28.22 -0.23 0.00	28.93 -0.41 0.00	31.28 -0.77 0.00	38.68 -0.87 0.00	36.22 -1.16 0.00	35.61 -1.37 0.00	35.10 -1.16 0.00	35.93 -1.30 0.00	34.89 -1.45 0.00	35.02 -1.77 0.00	36.73 -2.02 0.00	41.43 -2.18 0.00	44.65 -2.50 0.00	47.47 -3.41 0.00	52.20 -3.69 0.00	53.09 -2.73 0.00	50.63 -3.06 0.00	45.72 -2.61 0.00	41.30 -2.17 0.00	38.24 -0.98 0.00
OSWEGATCHIE___HYD 24044	37.38 -1.72 0.00	31.30 -1.37 0.00	27.82 -1.25 0.00	27.13 -1.22 0.00	27.31 -1.14 0.00	28.08 -1.26 0.00	30.76 -1.28 0.00	38.40 -1.15 0.00	36.25 -1.12 0.00	35.90 -1.07 0.00	35.21 -1.05 0.00	36.08 -1.15 0.00	35.11 -1.24 0.00	35.57 -1.21 0.00	37.51 -1.24 0.00	42.30 -1.31 0.00	45.69 -1.46 0.00	49.30 -1.58 0.00	54.10 -1.79 0.00	54.04 -1.79 0.00	52.35 -1.34 0.00	47.32 -1.02 0.00	42.56 -0.91 0.00	38.24 -0.98 0.00
OSWEGO___5 23606	38.47 -0.63 0.00	32.02 -0.65 0.00	28.54 -0.52 0.00	27.81 -0.54 0.00	27.94 -0.51 0.00	28.78 -0.56 0.00	31.37 -0.67 0.00	38.48 -1.07 0.00	36.29 -1.09 0.00	35.90 -1.07 0.00	35.24 -1.02 0.00	36.15 -1.08 0.00	35.25 -1.09 0.00	35.65 -1.14 0.00	37.55 -1.20 0.00	42.26 -1.35 0.00	45.69 -1.46 0.00	49.15 -1.73 0.00	54.05 -1.84 0.00	54.15 -1.67 0.00	51.97 -1.72 0.00	46.84 -1.50 0.00	42.12 -1.35 0.00	38.12 -1.10 0.00
OSWEGO___6 23613	38.47 -0.63 0.00	32.02 -0.65 0.00	28.54 -0.52 0.00	27.81 -0.54 0.00	27.94 -0.51 0.00	28.78 -0.56 0.00	31.37 -0.67 0.00	38.48 -1.07 0.00	36.29 -1.09 0.00	35.90 -1.07 0.00	35.24 -1.02 0.00	36.15 -1.08 0.00	35.25 -1.09 0.00	35.65 -1.14 0.00	37.55 -1.20 0.00	42.26 -1.35 0.00	45.69 -1.46 0.00	49.15 -1.73 0.00	54.05 -1.84 0.00	54.15 -1.67 0.00	51.97 -1.72 0.00	46.84 -1.50 0.00	42.12 -1.35 0.00	38.12 -1.10 0.00



OUTOKUMPU-AB___DRP 24206	39.53 0.43 0.00	31.76 -0.91 0.00	28.69 -0.38 0.00	27.76 -0.60 0.00	27.91 -0.54 0.00	28.64 -0.70 0.00	30.86 -1.19 0.00	38.20 -1.34 0.00	35.80 -1.57 0.00	35.09 -1.89 0.00	34.66 -1.60 0.00	35.22 -2.01 0.00	34.49 -1.85 0.00	34.58 -2.21 0.00	36.15 -2.60 0.00	40.95 -2.66 0.00	44.14 -3.02 0.00	46.50 -4.38 0.00	51.08 -4.81 0.00	51.58 -4.24 0.00	49.61 -4.08 0.00	45.19 -3.14 0.00	40.69 -2.78 0.00	38.00 -1.22 0.00
OXBOW___BTM 323836	39.18 0.08 0.00	31.53 -1.14 0.00	28.45 -0.61 0.00	27.53 -0.82 0.00	27.74 -0.71 0.00	28.43 -0.91 0.00	30.64 -1.41 0.00	37.85 -1.70 0.00	35.47 -1.90 0.00	34.83 -2.15 0.00	34.37 -1.89 0.00	35.22 -2.01 0.00	34.16 -2.18 0.00	34.28 -2.50 0.00	35.88 -2.87 0.00	40.47 -3.14 0.00	43.57 -3.59 0.00	46.15 -4.73 0.00	50.63 -5.26 0.00	51.53 -4.30 0.00	49.13 -4.56 0.00	44.42 -3.91 0.00	40.30 -3.17 0.00	37.65 -1.57 0.00
OXBOW___ 24026	39.18 0.08 0.00	31.53 -1.14 0.00	28.46 -0.61 0.00	27.53 -0.82 0.00	27.68 -0.77 0.00	28.43 -0.91 0.00	30.64 -1.41 0.00	37.89 -1.66 0.00	35.51 -1.87 0.00	34.83 -2.14 0.00	34.37 -1.89 0.00	34.93 -2.31 0.00	34.23 -2.11 0.00	34.28 -2.50 0.00	35.88 -2.87 0.00	40.60 -3.01 0.00	43.76 -3.40 0.00	46.10 -4.78 0.00	50.63 -5.25 0.00	51.14 -4.69 0.00	49.18 -4.51 0.00	44.76 -3.58 0.00	40.34 -3.13 0.00	37.73 -1.49 0.00
OXY_CHEM_DSASP 323612	38.63 -0.47 0.00	31.20 -1.47 0.00	28.14 -0.93 0.00	27.25 -1.11 0.00	27.40 -1.05 0.00	28.11 -1.23 0.00	30.31 -1.73 0.00	37.49 -2.06 0.00	35.13 -2.24 0.00	34.42 -2.55 0.00	33.98 -2.28 0.00	34.52 -2.72 0.00	33.87 -2.47 0.00	33.92 -2.87 0.00	35.49 -3.25 0.00	40.16 -3.45 0.00	43.24 -3.91 0.00	45.54 -5.34 0.00	50.02 -5.87 0.00	50.52 -5.30 0.00	48.54 -5.15 0.00	44.23 -4.11 0.00	39.86 -3.61 0.00	37.33 -1.88 0.00
OZONE_PARK_ESR 323760	42.23 3.13 0.00	35.35 2.68 0.00	31.30 2.24 0.00	30.65 2.30 0.00	30.64 2.19 0.00	31.57 2.23 0.00	34.19 2.15 0.00	41.92 2.37 0.00	39.92 2.54 0.00	39.56 2.59 0.00	38.69 2.43 0.00	39.91 2.68 0.00	39.10 2.76 0.00	39.73 2.94 0.00	41.93 3.18 0.00	47.10 3.49 0.00	50.88 3.73 0.00	55.61 4.73 0.00	60.86 4.97 0.00	60.18 4.35 0.00	57.66 3.97 0.00	51.72 3.38 0.00	46.38 2.91 0.00	41.73 2.51 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	38.63 -0.47 0.00	31.20 -1.47 0.00	28.14 -0.93 0.00	27.25 -1.11 0.00	27.40 -1.05 0.00	28.11 -1.23 0.00	30.31 -1.73 0.00	37.49 -2.06 0.00	35.13 -2.24 0.00	34.42 -2.55 0.00	33.98 -2.28 0.00	34.52 -2.72 0.00	33.87 -2.47 0.00	33.92 -2.87 0.00	35.49 -3.25 0.00	40.16 -3.45 0.00	43.24 -3.91 0.00	45.54 -5.34 0.00	50.02 -5.87 0.00	50.52 -5.30 0.00	48.54 -5.15 0.00	44.23 -4.11 0.00	39.86 -3.61 0.00	37.33 -1.88 0.00
PACKARD___115KV_DUPONT_184 80571	38.63 -0.47 0.00	31.20 -1.47 0.00	28.14 -0.93 0.00	27.25 -1.11 0.00	27.40 -1.05 0.00	28.11 -1.23 0.00	30.31 -1.73 0.00	37.49 -2.06 0.00	35.13 -2.24 0.00	34.42 -2.55 0.00	33.98 -2.28 0.00	34.52 -2.72 0.00	33.87 -2.47 0.00	33.92 -2.87 0.00	35.49 -3.25 0.00	40.16 -3.45 0.00	43.24 -3.91 0.00	45.54 -5.34 0.00	50.02 -5.87 0.00	50.52 -5.30 0.00	48.54 -5.15 0.00	44.23 -4.11 0.00	39.86 -3.61 0.00	37.33 -1.88 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	42.16 3.05 -0.01	35.29 2.61 -0.01	31.23 2.15 -0.01	30.57 2.21 -0.01	30.56 2.11 -0.01	31.34 2.00 0.00	33.87 1.83 0.00	41.52 1.98 0.00	39.50 2.13 0.00	39.16 2.18 0.00	38.33 2.07 0.00	39.54 2.31 0.00	38.70 2.36 0.00	39.32 2.54 0.00	41.50 2.75 0.00	46.57 2.97 0.00	50.36 3.21 0.00	54.79 4.22 0.32	60.25 4.36 0.00	59.51 3.68 0.00	57.02 3.33 0.00	51.09 2.76 0.00	45.99 2.52 0.00	41.57 2.35 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	42.39 3.28 -0.01	35.46 2.78 -0.01	31.37 2.30 -0.01	30.71 2.35 -0.01	30.71 2.25 -0.01	31.54 2.20 0.00	34.06 2.02 0.00	41.68 2.14 0.00	39.65 2.28 0.00	39.27 2.29 0.00	38.40 2.14 0.00	39.65 2.42 0.00	38.81 2.47 0.00	39.43 2.65 0.00	41.65 2.91 0.00	46.75 3.14 0.00	50.55 3.40 0.00	54.99 4.43 0.32	60.47 4.58 0.00	59.79 3.96 0.00	57.29 3.60 0.00	51.28 2.95 0.00	46.21 2.74 0.00	41.80 2.59 0.00
PATROON___115KV_TB1 80586	40.11 1.02 0.00	33.65 0.98 0.00	29.88 0.81 0.00	29.18 0.82 0.00	29.22 0.77 0.00	30.19 0.85 0.00	32.78 0.74 0.00	40.14 0.59 0.00	38.01 0.64 0.00	37.60 0.63 0.00	36.84 0.58 0.00	37.90 0.67 0.00	37.07 0.73 0.00	37.60 0.81 0.00	39.56 0.81 0.00	44.48 0.87 0.00	48.14 0.99 0.00	52.10 1.22 0.00	57.40 1.51 0.00	57.11 1.28 0.00	54.98 1.29 0.00	49.25 0.92 0.00	44.34 0.87 0.00	39.84 0.63 0.00
PATTRSNVILLE___SOLAR 323815	41.44 2.35 0.00	34.56 1.89 0.00	30.72 1.66 0.00	29.97 1.62 0.00	30.04 1.59 0.00	31.01 1.67 0.00	33.71 1.67 0.00	41.17 1.62 0.00	38.68 1.31 0.00	38.08 1.11 0.00	37.42 1.16 0.00	38.42 1.19 0.00	37.47 1.13 0.00	38.04 1.25 0.00	40.14 1.39 0.00	45.22 1.61 0.00	49.23 2.07 0.00	52.76 1.88 0.00	58.29 2.40 0.00	58.28 2.45 0.00	55.84 2.15 0.00	50.07 1.74 0.00	45.08 1.61 0.00	40.59 1.37 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	39.41 0.31 0.00	31.72 -0.95 0.00	28.60 -0.47 0.00	27.70 -0.65 0.00	27.85 -0.60 0.00	28.58 -0.76 0.00	30.89 -1.15 0.00	38.24 -1.31 0.00	35.88 -1.49 0.00	35.16 -1.81 0.00	34.70 -1.56 0.00	35.30 -1.94 0.00	34.52 -1.82 0.00	34.65 -2.13 0.00	36.27 -2.48 0.00	41.08 -2.53 0.00	44.28 -2.88 0.00	46.86 -4.02 0.00	51.42 -4.47 0.00	51.97 -3.85 0.00	49.93 -3.76 0.00	45.29 -3.05 0.00	40.73 -2.74 0.00	37.88 -1.33 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	41.72 2.62 0.00	34.96 2.29 0.00	30.96 1.89 0.00	30.28 1.93 0.00	30.30 1.85 0.00	31.25 1.91 0.00	33.90 1.86 0.00	41.52 1.98 0.00	39.47 2.09 0.00	39.08 2.11 0.00	38.36 2.10 0.00	39.54 2.31 0.00	38.67 2.33 0.00	39.29 2.50 0.00	41.58 2.83 0.00	46.70 3.10 0.00	50.59 3.44 0.00	55.25 4.38 0.00	60.64 4.75 0.00	60.12 4.30 0.00	57.72 4.03 0.00	51.57 3.24 0.00	46.21 2.74 0.00	41.53 2.31 0.00
PEEKSKILL___ 23653	41.48 2.39 0.00	34.79 2.12 0.00	30.81 1.74 0.00	30.17 1.82 0.00	30.16 1.71 0.00	31.10 1.76 0.00	33.74 1.70 0.00	41.45 1.90 0.00	39.39 2.02 0.00	38.97 2.00 0.00	38.18 1.92 0.00	39.28 2.05 0.00	38.52 2.18 0.00	39.03 2.24 0.00	41.23 2.48 0.00	46.31 2.70 0.00	50.13 2.97 0.00	54.59 3.71 0.00	60.13 4.25 0.00	59.96 4.13 0.00	56.96 3.28 0.00	51.04 2.71 0.00	45.73 2.26 0.00	41.14 1.92 0.00
PGE MADISON___WINDPWR 24146	42.11 3.01 0.00	34.79 2.12 0.00	30.98 1.92 0.00	30.17 1.82 0.00	30.61 2.16 0.00	31.42 2.08 0.00	34.16 2.11 0.00	42.00 2.45 0.00	39.54 2.17 0.00	38.97 2.00 0.00	38.36 2.10 0.00	39.09 1.86 0.00	37.80 1.46 0.00	38.30 1.51 0.00	40.53 1.78 0.00	45.87 2.27 0.00	49.89 2.73 0.00	53.57 2.69 0.00	59.35 3.47 0.00	59.85 4.02 0.00	57.18 3.49 0.00	51.62 3.29 0.00	45.99 2.52 0.00	41.61 2.39 0.00



PIERCEFIELD___HYD 23852	36.87 -2.23 0.00	31.04 -1.63 0.00	27.58 -1.48 0.00	26.88 -1.47 0.00	27.03 -1.42 0.00	27.79 -1.56 0.00	30.60 -1.44 0.00	38.68 -0.87 0.00	36.59 -0.78 0.00	36.23 -0.74 0.00	35.53 -0.73 0.00	36.49 -0.74 0.00	35.58 -0.76 0.00	36.01 -0.77 0.00	37.93 -0.81 0.00	42.87 -0.74 0.00	46.02 -1.13 0.00	49.56 -1.32 0.00	54.38 -1.51 0.00	54.37 -1.45 0.00	52.35 -1.34 0.00	47.42 -0.92 0.00	42.99 -0.48 0.00	38.55 -0.67 0.00
PINELAWN_CC_1 323563	42.03 2.93 0.00	35.51 2.84 0.00	31.39 2.33 0.00	30.88 2.52 0.00	30.70 2.25 0.00	31.66 2.32 0.00	34.25 2.21 0.00	42.00 2.45 0.00	40.03 2.65 0.00	39.60 2.63 -0.04	38.91 2.61 0.00	39.58 2.35 0.00	39.07 2.73 0.00	39.11 2.32 0.00	41.15 2.40 0.00	45.96 2.35 0.00	49.84 2.69 0.00	54.39 3.51 0.00	59.74 3.85 0.00	59.62 3.80 0.00	56.59 2.90 0.00	51.19 2.85 0.00	45.64 2.17 0.00	41.45 2.23 0.00
PJM_GEN_HTTP_PROXY 323702	41.83 2.74 0.00	35.05 2.38 0.00	31.07 2.00 0.00	30.42 2.07 0.00	30.41 1.96 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.76 2.21 0.00	39.73 2.36 0.00	39.30 2.33 0.00	38.47 2.21 0.00	39.62 2.39 0.00	38.88 2.54 0.00	39.36 2.57 0.00	41.58 2.83 0.00	46.70 3.10 0.00	50.50 3.35 0.00	55.00 4.12 0.00	60.58 4.70 0.00	60.18 4.36 0.00	57.18 3.49 0.00	51.23 2.90 0.00	45.99 2.52 0.00	41.37 2.16 0.00
PJM_GEN_KEystone 24065	40.19 1.09 0.00	33.26 0.59 0.00	29.65 0.58 0.00	28.92 0.57 0.00	29.02 0.57 0.00	29.84 0.50 0.00	32.37 0.32 0.00	39.90 0.36 0.00	37.67 0.30 0.00	37.16 0.19 0.00	36.48 0.22 0.00	37.46 0.22 0.00	36.56 0.22 0.00	36.93 0.15 0.00	38.87 0.12 0.00	43.74 0.13 0.00	47.20 0.05 0.00	50.98 0.10 0.00	56.11 0.22 0.00	56.44 0.62 0.00	53.58 -0.11 0.00	48.09 -0.24 0.00	43.26 -0.22 0.00	39.45 0.24 0.00
PJM_GEN_NEPTUNE_PROXY 323594	41.64 2.54 0.00	35.15 2.48 0.00	31.07 2.00 0.00	30.57 2.21 0.00	30.41 1.96 0.00	31.34 2.00 0.00	33.94 1.89 0.00	41.60 2.06 0.00	39.69 2.32 0.00	39.27 2.29 0.00	38.58 2.32 0.00	39.32 2.08 0.00	38.88 2.54 0.01	38.91 2.13 0.01	40.96 2.21 0.00	46.09 2.48 0.00	49.93 2.78 0.00	54.64 3.76 0.01	60.02 4.14 0.00	59.90 4.07 0.00	56.86 3.17 0.00	51.19 2.85 0.00	45.64 2.17 0.00	41.10 1.88 0.00
PJM_GEN_VFT_PROXY 323633	38.55 2.62 3.17	34.62 2.29 0.34	30.95 1.89 0.00	30.31 1.95 0.00	30.30 1.85 0.00	31.25 1.91 0.00	33.87 1.83 0.00	41.52 2.06 0.08	39.62 2.24 0.00	39.23 2.26 0.00	38.40 2.14 0.00	39.54 2.31 0.00	38.81 2.47 0.00	39.32 2.54 0.00	41.50 2.75 0.00	45.04 2.97 1.54	50.31 3.16 0.00	55.90 3.97 -1.05	60.36 4.47 0.00	54.81 4.19 5.20	48.54 3.28 8.42	40.70 2.75 10.39	39.48 2.39 6.38	38.56 2.04 2.69
PLATSBURG_115KV_PMLD1 355749	38.24 -0.86 0.00	32.21 -0.46 0.00	28.75 -0.32 0.00	28.07 -0.28 0.00	28.22 -0.23 0.00	29.08 -0.26 0.00	32.04 0.00 0.00	40.26 0.71 0.00	38.12 0.75 0.00	37.82 0.85 0.00	37.09 0.83 0.00	38.09 0.86 0.00	37.14 0.80 0.00	37.63 0.85 0.00	39.56 0.81 0.00	44.65 1.05 0.00	48.19 1.04 0.00	51.85 0.97 0.00	56.84 0.95 0.00	56.89 1.06 0.00	54.71 1.02 0.00	49.49 1.16 0.00	44.69 1.22 0.00	40.12 0.90 0.00
PLEASANTVLY___LBMP 24000	41.17 2.07 0.00	34.53 1.86 0.00	30.61 1.54 0.00	29.94 1.59 0.00	29.96 1.51 0.00	30.90 1.56 0.00	33.52 1.47 0.00	41.05 1.50 0.00	38.98 1.61 0.00	38.56 1.59 0.00	37.75 1.49 0.00	38.87 1.64 0.00	38.01 1.67 0.00	38.63 1.84 0.00	40.76 2.01 0.00	45.75 2.14 0.00	49.56 2.40 0.00	53.98 3.10 0.00	59.24 3.35 0.00	58.78 2.96 0.00	56.48 2.79 0.00	50.61 2.27 0.00	45.43 1.96 0.00	40.82 1.61 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	41.56 2.46 0.00	34.83 2.16 0.00	30.87 1.80 0.00	30.22 1.87 0.00	30.21 1.76 0.00	31.16 1.82 0.00	33.78 1.73 0.00	41.41 1.86 0.00	39.35 1.98 0.00	38.97 2.00 0.00	38.18 1.92 0.00	39.32 2.09 0.00	38.49 2.14 0.00	39.07 2.28 0.00	41.27 2.52 0.00	46.36 2.75 0.00	50.12 2.97 0.00	54.75 3.87 0.00	60.02 4.14 0.00	59.45 3.63 0.00	57.02 3.33 0.00	51.09 2.76 0.00	45.82 2.35 0.00	41.22 2.00 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	41.56 2.46 0.00	34.83 2.16 0.00	30.87 1.80 0.00	30.22 1.87 0.00	30.21 1.76 0.00	31.16 1.82 0.00	33.78 1.73 0.00	41.41 1.86 0.00	39.35 1.98 0.00	38.97 2.00 0.00	38.18 1.92 0.00	39.32 2.09 0.00	38.49 2.14 0.00	39.07 2.28 0.00	41.27 2.52 0.00	46.36 2.75 0.00	50.12 2.97 0.00	54.75 3.87 0.00	60.02 4.14 0.00	59.45 3.63 0.00	57.02 3.33 0.00	51.09 2.76 0.00	45.82 2.35 0.00	41.22 2.00 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	41.44 2.35 0.00	34.76 2.09 0.00	30.78 1.71 0.00	30.11 1.76 0.00	30.13 1.68 0.00	31.07 1.73 0.00	33.68 1.63 0.00	41.25 1.70 0.00	39.17 1.79 0.00	38.75 1.77 0.00	37.82 1.56 0.00	38.95 1.71 0.00	38.09 1.74 0.00	38.70 1.91 0.00	40.92 2.17 0.00	45.75 2.14 0.00	49.56 2.40 0.00	54.03 3.15 0.00	59.30 3.41 0.00	59.06 3.24 0.00	56.70 3.01 0.00	50.85 2.51 0.00	45.65 2.17 0.00	41.02 1.80 0.00
POLETTI_____ 23519	41.87 2.78 0.00	35.06 2.38 0.00	31.07 2.01 0.00	30.45 2.10 0.00	30.44 1.99 0.00	31.31 1.97 0.00	33.94 1.89 0.00	41.56 2.02 0.00	39.54 2.17 0.00	39.19 2.22 0.00	38.36 2.10 0.00	39.54 2.31 0.00	38.74 2.40 0.00	39.36 2.58 0.00	41.54 2.79 0.00	46.62 3.01 0.00	50.41 3.25 0.00	55.05 4.17 0.00	60.25 4.36 0.00	59.57 3.74 0.00	57.13 3.44 0.00	51.23 2.90 0.00	45.99 2.52 0.00	41.37 2.16 0.00
POMONA___ESR 323819	41.52 2.42 0.00	34.79 2.12 0.00	30.84 1.77 0.00	30.17 1.82 0.00	30.19 1.74 0.00	31.10 1.76 0.00	33.74 1.70 0.00	41.48 1.94 0.00	39.43 2.05 0.00	39.01 2.03 0.00	38.18 1.92 0.00	39.24 2.01 0.00	38.49 2.14 0.00	38.99 2.21 0.00	41.19 2.44 0.00	46.22 2.62 0.00	49.98 2.83 0.00	54.44 3.56 0.00	59.97 4.08 0.00	59.85 4.02 0.00	56.86 3.17 0.00	50.94 2.61 0.00	45.69 2.22 0.00	41.14 1.92 0.00
PORT_JEFF_3 23555	42.11 3.01 0.00	35.71 3.04 0.00	31.54 2.47 0.00	31.08 2.72 0.00	30.87 2.42 0.00	31.81 2.46 0.00	34.42 2.37 0.00	42.16 2.61 0.00	40.25 2.88 0.00	39.78 2.81 0.00	39.03 2.75 -0.01	39.69 2.46 0.00	39.10 2.76 0.00	39.10 2.32 0.00	41.15 2.40 0.00	46.44 2.83 0.00	50.36 3.21 0.00	55.10 4.22 0.00	60.52 4.64 0.00	60.46 4.63 0.00	57.34 3.65 0.00	51.86 3.53 0.00	46.12 2.65 0.00	41.57 2.35 0.00
PORT_JEFF_4 23616	42.11 3.01 0.00	35.71 3.04 0.00	31.54 2.47 0.00	31.08 2.72 0.00	30.87 2.42 0.00	31.81 2.46 0.00	34.42 2.37 0.00	42.16 2.61 0.00	40.25 2.88 0.00	39.78 2.81 0.00	39.03 2.75 -0.01	39.69 2.46 0.00	39.10 2.76 0.00	39.10 2.32 0.00	41.15 2.40 0.00	46.44 2.83 0.00	50.36 3.21 0.00	55.10 4.22 0.00	60.52 4.64 0.00	60.46 4.63 0.00	57.34 3.65 0.00	51.86 3.53 0.00	46.12 2.65 0.00	41.57 2.35 0.00



PORT_JEFF_IC 23713	42.58 3.48 0.00	35.81 3.14 0.00	31.57 2.50 0.00	31.13 2.78 0.00	30.92 2.48 0.00	31.83 2.49 0.00	34.45 2.40 0.00	41.92 2.37 0.00	39.99 2.62 0.00	39.60 2.63 0.00	38.96 2.68 -0.01	39.73 2.49 0.00	38.37 2.04 0.00	39.10 2.32 0.00	41.23 2.48 0.00	46.36 2.75 0.00	50.26 3.11 0.00	55.10 4.22 0.00	60.08 4.19 0.00	59.62 3.80 0.00	57.13 3.44 0.00	51.86 3.53 0.00	46.12 2.65 0.00	41.53 2.31 0.00
PPL PILGRIM_ST_GT1 24216	42.19 3.09 0.00	35.71 3.04 0.00	31.57 2.50 0.00	31.08 2.72 0.00	30.87 2.42 0.00	31.83 2.49 0.00	34.45 2.40 0.00	42.20 2.65 0.00	40.29 2.92 0.00	39.82 2.85 0.00	39.07 2.79 -0.02	39.73 2.49 0.00	39.21 2.87 0.00	39.17 2.39 0.00	41.23 2.48 0.00	46.44 2.83 0.00	50.40 3.25 0.00	55.20 4.32 0.00	60.64 4.75 0.00	60.57 4.74 0.00	57.50 3.81 0.00	51.86 3.53 0.00	46.12 2.65 0.00	41.57 2.35 0.00
PPL PILGRIM_ST_GT2 24217	42.19 3.09 0.00	35.71 3.04 0.00	31.57 2.50 0.00	31.08 2.72 0.00	30.87 2.42 0.00	31.83 2.49 0.00	34.45 2.40 0.00	42.20 2.65 0.00	40.29 2.92 0.00	39.82 2.85 0.00	39.07 2.79 -0.02	39.73 2.49 0.00	39.21 2.87 0.00	39.17 2.39 0.00	41.23 2.48 0.00	46.44 2.83 0.00	50.40 3.25 0.00	55.20 4.32 0.00	60.64 4.75 0.00	60.57 4.74 0.00	57.50 3.81 0.00	51.86 3.53 0.00	46.12 2.65 0.00	41.57 2.35 0.00
PPL_SHRM_GT3 24213	42.19 3.09 0.00	35.78 3.11 0.00	31.57 2.50 0.00	31.16 2.81 0.00	30.92 2.47 0.00	31.83 2.49 0.00	34.48 2.43 0.00	42.24 2.69 0.00	40.29 2.92 0.00	39.78 2.81 0.00	39.03 2.75 -0.01	39.65 2.42 0.00	38.99 2.65 0.00	38.99 2.21 0.00	41.11 2.36 0.00	46.44 2.83 0.00	50.40 3.25 0.00	55.30 4.42 0.00	60.81 4.92 0.00	60.79 4.97 0.00	57.61 3.92 0.00	52.06 3.72 0.00	46.26 2.78 0.00	41.73 2.51 0.00
PPL_SHRM_GT4 24214	42.19 3.09 0.00	35.78 3.11 0.00	31.57 2.50 0.00	31.16 2.81 0.00	30.92 2.47 0.00	31.83 2.49 0.00	34.48 2.43 0.00	42.24 2.69 0.00	40.29 2.92 0.00	39.78 2.81 0.00	39.03 2.75 -0.01	39.65 2.42 0.00	38.99 2.65 0.00	38.99 2.21 0.00	41.11 2.36 0.00	46.44 2.83 0.00	50.40 3.25 0.00	55.30 4.42 0.00	60.81 4.92 0.00	60.79 4.97 0.00	57.61 3.92 0.00	52.06 3.72 0.00	46.26 2.78 0.00	41.73 2.51 0.00
PROJECT___ORANGE 1 24174	39.10 0.00 0.00	32.47 -0.20 0.00	28.95 -0.12 0.00	28.21 -0.14 0.00	28.36 -0.09 0.00	29.19 -0.15 0.00	31.82 -0.22 0.00	39.07 -0.47 0.00	36.81 -0.56 0.00	36.42 -0.55 0.00	35.79 -0.47 0.00	36.67 -0.56 0.00	35.76 -0.58 0.00	36.12 -0.66 0.00	38.05 -0.70 0.00	42.91 -0.70 0.00	46.35 -0.80 0.00	49.81 -1.07 0.00	54.60 -1.29 0.00	54.65 -1.17 0.00	52.56 -1.13 0.00	47.42 -0.92 0.00	42.56 -0.91 0.00	38.55 -0.67 0.00
PROJECT___ORANGE 2 24166	39.10 0.00 0.00	32.47 -0.20 0.00	28.95 -0.12 0.00	28.21 -0.14 0.00	28.36 -0.09 0.00	29.19 -0.15 0.00	31.82 -0.22 0.00	39.07 -0.47 0.00	36.81 -0.56 0.00	36.42 -0.55 0.00	35.79 -0.47 0.00	36.67 -0.56 0.00	35.76 -0.58 0.00	36.12 -0.66 0.00	38.05 -0.70 0.00	42.91 -0.70 0.00	46.35 -0.80 0.00	49.81 -1.07 0.00	54.60 -1.29 0.00	54.65 -1.17 0.00	52.56 -1.13 0.00	47.42 -0.92 0.00	42.56 -0.91 0.00	38.55 -0.67 0.00
PUCKETT___SOLAR 323809	40.23 1.13 0.00	33.29 0.62 0.00	29.71 0.64 0.00	28.92 0.57 0.00	29.13 0.68 0.00	29.96 0.62 0.00	32.62 0.58 0.00	40.14 0.59 0.00	37.75 0.37 0.00	37.23 0.26 0.00	36.59 0.33 0.00	37.46 0.22 0.00	36.41 0.07 0.00	36.82 0.04 0.00	38.83 0.08 0.00	43.78 0.18 0.00	47.44 0.28 0.00	50.98 0.10 0.00	56.23 0.34 0.00	56.66 0.84 0.00	54.12 0.43 0.00	48.77 0.43 0.00	43.78 0.31 0.00	39.69 0.47 0.00
PYRITES___HYD 24023	37.69 -1.41 0.00	31.72 -0.95 0.00	28.19 -0.87 0.00	27.47 -0.88 0.00	27.62 -0.83 0.00	28.40 -0.94 0.00	31.28 -0.77 0.00	39.51 -0.04 0.00	37.30 -0.07 0.00	36.90 -0.07 0.00	36.15 -0.11 0.00	37.12 -0.11 0.00	36.16 -0.18 0.00	36.64 -0.15 0.00	38.59 -0.15 0.00	43.65 0.04 0.00	46.96 -0.19 0.00	50.57 -0.31 0.00	55.61 -0.28 0.00	55.71 -0.11 0.00	53.64 -0.05 0.00	48.58 0.24 0.00	43.99 0.52 0.00	39.41 0.20 0.00
QUAKERRD_115KV_BK1 80622	38.55 -0.55 0.00	31.53 -1.14 0.00	28.25 -0.81 0.00	27.42 -0.94 0.00	27.57 -0.88 0.00	28.34 -1.00 0.00	30.76 -1.28 0.00	37.89 -1.66 0.00	35.69 -1.68 0.00	35.20 -1.77 0.00	34.66 -1.60 0.00	35.45 -1.79 0.00	34.60 -1.74 0.00	34.87 -1.91 0.00	36.58 -2.17 0.00	41.38 -2.22 0.00	44.65 -2.50 0.00	47.42 -3.46 0.00	52.09 -3.80 0.00	52.36 -3.46 0.00	50.41 -3.28 0.00	45.77 -2.56 0.00	41.12 -2.35 0.00	37.73 -1.49 0.00
QUENSBRY_115KV_TB8 356137	41.52 2.42 0.00	34.70 2.03 0.00	30.81 1.74 0.00	30.05 1.70 0.00	30.10 1.65 0.00	31.13 1.79 0.00	33.87 1.83 0.00	41.48 1.94 0.00	39.17 1.79 0.00	38.75 1.77 0.00	38.07 1.81 0.00	39.10 1.86 0.00	38.59 2.25 0.00	39.14 2.35 0.00	41.34 2.60 0.00	45.27 1.66 0.00	48.99 1.84 0.00	52.76 1.88 0.00	58.12 2.24 0.00	57.89 2.07 0.00	55.89 2.20 0.00	49.83 1.50 0.00	44.99 1.52 0.00	41.33 2.12 0.00
RAMAPO___LBMP 323565	41.40 2.31 0.00	34.70 2.03 0.00	30.75 1.69 0.00	30.08 1.73 0.00	30.10 1.65 0.00	31.04 1.70 0.00	33.68 1.63 0.00	41.29 1.74 0.00	39.21 1.83 0.00	38.82 1.85 0.00	38.00 1.74 0.00	39.13 1.90 0.00	38.27 1.93 0.00	38.88 2.10 0.00	41.07 2.32 0.00	46.05 2.44 0.00	49.84 2.69 0.00	54.39 3.51 0.00	59.63 3.74 0.00	59.17 3.35 0.00	56.75 3.06 0.00	50.80 2.47 0.00	45.60 2.13 0.00	40.98 1.76 0.00
RANKINE____ 23646	39.68 0.59 0.00	31.92 -0.75 0.00	28.81 -0.26 0.00	27.87 -0.48 0.00	28.05 -0.40 0.00	28.78 -0.56 0.00	31.05 -0.99 0.00	38.44 -1.11 0.00	36.03 -1.35 0.00	35.35 -1.63 0.00	34.88 -1.38 0.00	35.45 -1.79 0.00	34.71 -1.64 0.00	34.80 -1.99 0.00	36.42 -2.32 0.00	41.25 -2.35 0.00	44.47 -2.69 0.00	46.96 -3.92 0.00	51.58 -4.30 0.00	52.08 -3.74 0.00	50.04 -3.65 0.00	45.48 -2.85 0.00	40.95 -2.52 0.00	38.12 -1.10 0.00
RAVENSWOOD_GT2_1 24244	41.91 2.82 0.00	35.09 2.42 0.00	31.07 2.01 0.00	30.45 2.10 0.00	30.44 1.99 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.64 2.10 0.00	39.62 2.24 0.00	39.27 2.29 0.00	38.40 2.14 0.00	39.62 2.38 0.00	38.78 2.43 0.00	39.40 2.61 0.00	41.58 2.83 0.00	46.66 3.05 0.00	50.45 3.30 0.00	55.15 4.27 0.00	60.36 4.47 0.00	59.68 3.85 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.20 0.00
RAVENSWOOD_GT2_2 24245	41.91 2.82 0.00	35.09 2.42 0.00	31.07 2.01 0.00	30.45 2.10 0.00	30.44 1.99 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.64 2.10 0.00	39.62 2.24 0.00	39.27 2.29 0.00	38.40 2.14 0.00	39.62 2.38 0.00	38.78 2.43 0.00	39.40 2.61 0.00	41.58 2.83 0.00	46.66 3.05 0.00	50.45 3.30 0.00	55.15 4.27 0.00	60.36 4.47 0.00	59.68 3.85 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.20 0.00



RAVENSWOOD_GT2_3 24246	41.91 2.82 0.00	35.09 2.42 0.00	31.10 2.03 0.00	30.45 2.10 0.00	30.44 1.99 0.00	31.37 2.02 0.00	34.00 1.95 0.00	41.64 2.10 0.00	39.62 2.24 0.00	39.27 2.29 0.00	38.44 2.18 0.00	39.62 2.38 0.00	38.78 2.43 0.00	39.40 2.61 0.00	41.62 2.87 0.00	46.70 3.10 0.00	50.50 3.35 0.00	55.15 4.27 0.00	60.36 4.47 0.00	59.73 3.91 0.00	57.23 3.54 0.00	51.33 3.00 0.00	46.04 2.56 0.00	41.41 2.20 0.00
RAVENSWOOD_GT2_4 24247	41.91 2.82 0.00	35.09 2.42 0.00	31.10 2.03 0.00	30.45 2.10 0.00	30.44 1.99 0.00	31.37 2.02 0.00	34.00 1.95 0.00	41.64 2.10 0.00	39.62 2.24 0.00	39.27 2.29 0.00	38.44 2.18 0.00	39.62 2.38 0.00	38.78 2.43 0.00	39.40 2.61 0.00	41.62 2.87 0.00	46.70 3.10 0.00	50.50 3.35 0.00	55.15 4.27 0.00	60.36 4.47 0.00	59.73 3.91 0.00	57.23 3.54 0.00	51.33 3.00 0.00	46.04 2.56 0.00	41.41 2.20 0.00
RAVENSWOOD_GT3_1 24248	41.91 2.82 0.00	35.09 2.42 0.00	31.10 2.03 0.00	30.45 2.10 0.00	30.44 1.99 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.64 2.10 0.00	39.62 2.24 0.00	39.27 2.29 0.00	38.40 2.14 0.00	39.62 2.38 0.00	38.78 2.43 0.00	39.40 2.61 0.00	41.58 2.83 0.00	46.66 3.05 0.00	50.45 3.30 0.00	55.15 4.27 0.00	60.36 4.47 0.00	59.68 3.85 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.20 0.00
RAVENSWOOD_GT3_2 24249	41.91 2.82 0.00	35.09 2.42 0.00	31.10 2.03 0.00	30.45 2.10 0.00	30.44 1.99 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.64 2.10 0.00	39.62 2.24 0.00	39.27 2.29 0.00	38.40 2.14 0.00	39.62 2.38 0.00	38.78 2.43 0.00	39.40 2.61 0.00	41.58 2.83 0.00	46.66 3.05 0.00	50.45 3.30 0.00	55.15 4.27 0.00	60.36 4.47 0.00	59.68 3.85 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.20 0.00
RAVENSWOOD_GT3_3 24250	41.95 2.85 0.00	35.12 2.45 0.00	31.13 2.06 0.00	30.48 2.13 0.00	30.47 2.02 0.00	31.39 2.05 0.00	34.03 1.99 0.00	41.68 2.14 0.00	39.65 2.28 0.00	39.30 2.33 0.00	38.47 2.21 0.00	39.65 2.42 0.00	38.85 2.51 0.00	39.43 2.65 0.00	41.65 2.91 0.00	46.75 3.14 0.00	50.55 3.40 0.00	55.20 4.32 0.00	60.41 4.53 0.00	59.79 3.96 0.00	57.29 3.60 0.00	51.38 3.05 0.00	46.08 2.61 0.00	41.45 2.24 0.00
RAVENSWOOD_GT3_4 24251	41.95 2.85 0.00	35.12 2.45 0.00	31.13 2.06 0.00	30.48 2.13 0.00	30.47 2.02 0.00	31.39 2.05 0.00	34.03 1.99 0.00	41.68 2.14 0.00	39.65 2.28 0.00	39.30 2.33 0.00	38.47 2.21 0.00	39.65 2.42 0.00	38.85 2.51 0.00	39.43 2.65 0.00	41.65 2.91 0.00	46.75 3.14 0.00	50.55 3.40 0.00	55.20 4.32 0.00	60.41 4.53 0.00	59.79 3.96 0.00	57.29 3.60 0.00	51.38 3.05 0.00	46.08 2.61 0.00	41.45 2.24 0.00
RAVENSWOOD_GT_1 23729	42.12 3.01 -0.01	35.26 2.58 -0.01	31.23 2.15 -0.01	30.60 2.24 -0.01	30.59 2.13 -0.01	31.45 2.11 0.00	34.06 2.02 0.00	41.72 2.18 0.00	39.69 2.32 0.00	39.38 2.40 0.00	38.51 2.25 0.00	39.73 2.49 0.00	38.89 2.54 0.00	39.91 2.72 -0.40	42.41 2.94 -0.71	46.84 3.23 0.00	50.59 3.44 0.00	52.04 4.48 3.31	60.53 4.64 0.00	59.79 3.96 0.00	57.29 3.60 0.00	51.33 3.00 0.00	46.17 2.70 0.00	41.57 2.35 0.00
RAVENSWOOD_GT_10 24258	41.87 2.78 0.00	35.09 2.42 0.00	31.07 2.01 0.00	30.45 2.10 0.00	30.44 1.99 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.64 2.10 0.00	39.62 2.24 0.00	39.27 2.29 0.00	38.40 2.14 0.00	39.62 2.38 0.00	38.78 2.43 0.00	39.40 2.61 0.00	41.58 2.83 0.00	46.66 3.05 0.00	50.45 3.30 0.00	54.65 4.27 0.50	60.36 4.47 0.00	59.68 3.85 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.20 0.00
RAVENSWOOD_GT_11 24259	41.87 2.78 0.00	35.09 2.42 0.00	31.07 2.01 0.00	30.45 2.10 0.00	30.44 1.99 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.64 2.10 0.00	39.62 2.24 0.00	39.27 2.29 0.00	38.40 2.14 0.00	39.62 2.38 0.00	38.78 2.43 0.00	39.40 2.61 0.00	41.58 2.83 0.00	46.66 3.05 0.00	50.45 3.30 0.00	54.65 4.27 0.50	60.36 4.47 0.00	59.68 3.85 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.20 0.00
RAVENSWOOD_GT_4 24252	41.87 2.78 0.01	35.05 2.38 0.01	31.07 2.01 0.01	30.42 2.07 0.01	30.41 1.96 0.01	31.34 2.00 0.00	33.97 1.92 0.00	41.64 2.10 0.00	39.62 2.24 0.00	39.23 2.26 0.00	38.40 2.14 0.00	39.62 2.38 0.00	38.78 2.43 0.00	39.70 2.61 -0.31	42.12 2.83 -0.54	46.66 3.05 0.00	50.45 3.30 0.00	55.44 4.22 -0.34	60.30 4.42 0.00	59.68 3.85 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.37 2.16 0.00
RAVENSWOOD_GT_5 24254	41.87 2.78 0.01	35.05 2.38 0.01	31.07 2.01 0.01	30.42 2.07 0.01	30.41 1.96 0.01	31.34 2.00 0.00	33.97 1.92 0.00	41.64 2.10 0.00	39.62 2.24 0.00	39.23 2.26 0.00	38.40 2.14 0.00	39.62 2.38 0.00	38.78 2.43 0.00	39.70 2.61 -0.31	42.12 2.83 -0.54	46.66 3.05 0.00	50.45 3.30 0.00	55.44 4.22 -0.34	60.30 4.42 0.00	59.68 3.85 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.37 2.16 0.00
RAVENSWOOD_GT_6 24253	41.87 2.78 0.01	35.05 2.38 0.01	31.07 2.01 0.01	30.42 2.07 0.01	30.41 1.96 0.01	31.34 2.00 0.00	33.97 1.92 0.00	41.64 2.10 0.00	39.62 2.24 0.00	39.23 2.26 0.00	38.40 2.14 0.00	39.62 2.38 0.00	38.78 2.43 0.00	39.70 2.61 -0.31	42.12 2.83 -0.54	46.66 3.05 0.00	50.45 3.30 0.00	55.44 4.22 -0.34	60.30 4.42 0.00	59.68 3.85 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.37 2.16 0.00
RAVENSWOOD_GT_7 24255	41.87 2.78 0.01	35.05 2.38 0.01	31.07 2.01 0.01	30.42 2.07 0.01	30.41 1.96 0.01	31.34 2.00 0.00	33.97 1.92 0.00	41.64 2.10 0.00	39.62 2.24 0.00	39.23 2.26 0.00	38.40 2.14 0.00	39.62 2.38 0.00	38.78 2.43 0.00	39.70 2.61 -0.31	42.12 2.83 -0.54	46.66 3.05 0.00	50.45 3.30 0.00	55.44 4.22 -0.34	60.30 4.42 0.00	59.68 3.85 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.37 2.16 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	41.87 2.78 0.00	35.09 2.42 0.00	31.07 2.01 0.00	30.45 2.10 0.00	30.44 1.99 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.64 2.10 0.00	39.62 2.24 0.00	39.27 2.29 0.00	38.40 2.14 0.00	39.62 2.38 0.00	38.78 2.43 0.00	39.40 2.61 0.00	41.58 2.83 0.00	46.66 3.05 0.00	50.45 3.30 0.00	54.65 4.27 0.50	60.36 4.47 0.00	59.68 3.85 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.20 0.00
RAVENSWOOD_GT_9 24257	41.87 2.78 0.00	35.09 2.42 0.00	31.07 2.01 0.00	30.45 2.10 0.00	30.44 1.99 0.00	31.34 2.00 0.00	33.97 1.92 0.00	41.64 2.10 0.00	39.62 2.24 0.00	39.27 2.29 0.00	38.40 2.14 0.00	39.62 2.38 0.00	38.78 2.43 0.00	39.40 2.61 0.00	41.58 2.83 0.00	46.66 3.05 0.00	50.45 3.30 0.00	54.65 4.27 0.50	60.36 4.47 0.00	59.68 3.85 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.20 0.00



RAVENSWOOD___1 23533	42.04 2.93 -0.01	35.23 2.55 -0.01	31.23 2.15 -0.01	30.57 2.21 -0.01	30.56 2.11 -0.01	31.45 2.11 0.00	34.03 1.99 0.00	41.84 2.29 0.00	39.80 2.43 0.00	39.45 2.48 0.00	38.58 2.32 0.00	39.73 2.49 0.00	38.99 2.65 0.00	39.47 2.68 0.00	41.69 2.94 0.00	46.88 3.27 0.00	50.64 3.49 0.00	53.16 4.32 2.04	60.75 4.86 0.00	60.34 4.52 0.00	57.29 3.60 0.00	51.33 3.00 0.00	46.12 2.65 0.00	41.57 2.35 0.00
RAVENSWOOD___2 23534	42.04 2.93 -0.01	35.23 2.55 -0.01	31.23 2.15 -0.01	30.57 2.21 -0.01	30.56 2.11 -0.01	31.42 2.08 0.00	34.03 1.99 0.00	41.80 2.25 0.00	39.80 2.43 0.00	39.41 2.44 0.00	38.58 2.32 0.00	39.73 2.49 0.00	38.96 2.62 0.00	39.47 2.68 0.00	41.66 2.91 0.00	46.84 3.23 0.00	50.64 3.49 0.00	53.20 4.32 2.00	60.75 4.86 0.00	60.29 4.47 0.00	57.29 3.60 0.00	51.33 3.00 0.00	46.12 2.65 0.00	41.57 2.35 0.00
RAVENSWOOD___3 23535	41.87 2.78 0.00	35.09 2.42 0.00	31.10 2.03 0.00	30.42 2.07 0.00	30.44 1.99 0.00	31.36 2.02 0.00	33.97 1.92 0.00	41.76 2.21 0.00	39.73 2.36 0.00	39.34 2.37 0.00	38.51 2.25 0.00	39.65 2.42 0.00	38.88 2.54 0.00	39.40 2.61 0.00	41.58 2.83 0.00	46.75 3.14 0.00	50.50 3.35 0.00	55.05 4.17 0.00	60.58 4.70 0.00	60.23 4.41 0.00	57.23 3.54 0.00	51.28 2.95 0.00	46.04 2.56 0.00	41.41 2.19 0.00
RAVENSWOOD___4 23820	42.04 2.93 -0.01	35.23 2.55 -0.01	31.19 2.12 -0.01	30.54 2.18 -0.01	30.56 2.11 -0.01	31.42 2.08 0.00	34.00 1.96 0.00	41.80 2.25 0.00	39.80 2.43 0.00	39.41 2.44 0.00	38.58 2.32 0.00	39.73 2.49 0.00	38.96 2.62 0.00	39.07 2.68 0.40	40.95 2.91 0.70	46.83 3.23 0.00	50.59 3.44 0.00	54.45 4.32 0.75	60.70 4.81 0.00	60.29 4.47 0.00	57.29 3.60 0.00	51.33 3.00 0.00	46.12 2.65 0.00	41.57 2.35 0.00
RCPL_TRUST___DRP 24196	42.07 2.97 0.00	35.25 2.58 0.00	31.22 2.15 0.00	30.56 2.21 0.00	30.55 2.11 0.00	31.48 2.14 0.00	34.13 2.08 0.00	41.84 2.29 0.00	39.84 2.47 0.00	39.49 2.51 0.00	38.62 2.36 0.00	39.84 2.61 0.00	38.99 2.65 0.00	39.62 2.83 0.00	41.81 3.06 0.00	46.97 3.36 0.00	50.78 3.63 0.00	55.46 4.58 0.00	60.69 4.81 0.00	60.01 4.19 0.00	57.50 3.81 0.00	51.52 3.19 0.00	46.25 2.78 0.00	41.57 2.35 0.00
RED___ROCHESTER 323720	39.69 0.59 0.00	32.28 -0.39 0.00	28.98 -0.09 0.00	28.10 -0.26 0.00	28.28 -0.17 0.00	29.05 -0.29 0.00	31.44 -0.61 0.00	38.71 -0.83 0.00	36.44 -0.93 0.00	35.98 -1.00 0.00	35.46 -0.80 0.00	36.41 -0.82 0.00	35.36 -0.98 0.00	35.61 -1.18 0.00	37.36 -1.39 0.00	42.04 -1.57 0.00	45.50 -1.65 0.00	48.34 -2.54 0.00	53.10 -2.79 0.00	53.70 -2.12 0.00	51.44 -2.25 0.00	46.60 -1.74 0.00	41.99 -1.48 0.00	38.67 -0.55 0.00
REGAN___SOLAR 323812	42.07 2.97 0.00	35.05 2.38 0.00	31.16 2.09 0.00	30.37 2.01 0.00	30.44 1.99 0.00	31.45 2.11 0.00	34.23 2.18 0.00	41.80 2.25 0.00	39.32 1.94 0.00	38.79 1.81 0.00	38.11 1.85 0.00	39.09 1.86 0.00	38.16 1.82 0.00	38.70 1.91 0.00	40.84 2.09 0.00	46.09 2.48 0.00	50.13 2.97 0.00	53.98 3.10 0.00	59.74 3.85 0.00	59.79 3.96 0.00	57.39 3.70 0.00	51.33 3.00 0.00	46.26 2.78 0.00	41.61 2.39 0.00
RENSSELAER___COGEN 23796	40.00 0.90 0.00	33.52 0.85 0.00	29.76 0.70 0.00	29.06 0.71 0.00	29.10 0.65 0.00	30.10 0.76 0.00	32.65 0.61 0.00	40.06 0.51 0.00	37.90 0.52 0.00	37.49 0.52 0.00	36.73 0.47 0.00	37.75 0.52 0.00	36.92 0.58 0.00	37.41 0.62 0.00	39.37 0.62 0.00	44.30 0.70 0.00	47.95 0.80 0.00	51.90 1.02 0.00	57.29 1.40 0.00	57.16 1.34 0.00	54.71 1.02 0.00	49.11 0.77 0.00	44.17 0.69 0.00	39.69 0.47 0.00
REPUBLIC_115KV_BARTNBRK 55605	42.81 3.71 0.00	35.71 3.04 0.00	31.71 2.65 0.00	30.90 2.55 0.00	30.95 2.50 0.00	32.01 2.67 0.00	34.86 2.82 0.00	42.59 3.05 0.00	40.18 2.80 0.00	39.75 2.77 0.00	39.09 2.83 0.00	40.10 2.87 0.00	39.50 3.16 0.00	40.02 3.24 0.00	42.27 3.53 0.00	46.57 2.97 0.00	50.50 3.35 0.00	54.44 3.56 0.00	60.02 4.14 0.00	59.79 3.96 0.00	57.93 4.24 0.00	51.38 3.05 0.00	46.38 2.91 0.00	42.51 3.29 0.00
REVERE_CPPR_DRP 24186	40.15 1.06 0.00	33.42 0.75 0.00	29.74 0.67 0.00	29.01 0.65 0.00	29.22 0.77 0.00	30.07 0.73 0.00	32.75 0.70 0.00	40.26 0.71 0.00	38.01 0.64 0.00	37.57 0.59 0.00	36.91 0.65 0.00	37.75 0.52 0.00	36.70 0.36 0.00	37.15 0.37 0.00	39.25 0.50 0.00	44.35 0.74 0.00	48.05 0.90 0.00	51.74 0.86 0.00	57.01 1.12 0.00	57.05 1.23 0.00	54.87 1.18 0.00	49.49 1.16 0.00	44.25 0.78 0.00	39.92 0.71 0.00
REYNLDPA_13_KV_LD 356490	38.16 -0.94 0.00	32.08 -0.59 0.00	28.54 -0.52 0.00	27.81 -0.54 0.00	27.91 -0.54 0.00	28.72 -0.62 0.00	31.63 -0.42 0.00	39.71 0.16 0.00	37.52 0.15 0.00	37.20 0.22 0.00	36.51 0.25 0.00	37.53 0.30 0.00	36.60 0.25 0.00	37.08 0.29 0.00	38.98 0.23 0.00	43.96 0.35 0.00	47.39 0.24 0.00	50.98 0.10 0.00	55.89 0.00 0.00	55.88 0.06 0.00	53.74 0.05 0.00	48.62 0.29 0.00	43.95 0.48 0.00	39.49 0.27 0.00
REYNOLDS_115KV_TB3 80639	40.27 1.17 0.00	33.78 1.11 0.00	30.00 0.93 0.00	29.29 0.94 0.00	29.36 0.91 0.00	30.34 1.00 0.00	32.91 0.87 0.00	40.34 0.79 0.00	38.16 0.78 0.00	37.75 0.78 0.00	36.95 0.69 0.00	38.02 0.78 0.00	37.18 0.84 0.00	37.71 0.92 0.00	39.72 0.97 0.00	44.61 1.00 0.00	48.33 1.18 0.00	52.35 1.48 0.00	57.68 1.79 0.00	57.39 1.56 0.00	55.30 1.61 0.00	49.54 1.21 0.00	44.60 1.13 0.00	40.04 0.82 0.00
RIVERBAY____ 323610	42.39 3.28 -0.01	35.46 2.78 -0.01	31.37 2.30 -0.01	30.71 2.35 -0.01	30.71 2.25 -0.01	31.54 2.20 0.00	34.06 2.02 0.00	41.68 2.14 0.00	39.65 2.28 0.00	39.27 2.29 0.00	38.40 2.14 0.00	39.65 2.42 0.00	38.81 2.47 0.00	39.43 2.65 0.00	41.65 2.91 0.00	46.75 3.14 0.00	50.55 3.40 0.00	54.99 4.43 0.32	60.47 4.58 0.00	59.79 3.96 0.00	57.29 3.60 0.00	51.28 2.95 0.00	46.21 2.74 0.00	41.80 2.59 0.00
RIVERSDE_115KV_TB3 55908	40.15 1.06 0.00	33.65 0.98 0.00	29.88 0.81 0.00	29.20 0.85 0.00	29.25 0.80 0.00	30.22 0.88 0.00	32.78 0.74 0.00	40.18 0.63 0.00	38.01 0.64 0.00	37.64 0.67 0.00	36.84 0.58 0.00	37.90 0.67 0.00	37.03 0.69 0.00	37.60 0.81 0.00	39.56 0.81 0.00	44.48 0.87 0.00	48.19 1.04 0.00	52.15 1.27 0.00	57.45 1.56 0.00	57.16 1.34 0.00	55.03 1.34 0.00	49.35 1.02 0.00	44.38 0.91 0.00	39.88 0.67 0.00
ROARING___BROOK_WT_PWR 323790	38.35 -0.74 0.00	32.18 -0.49 0.00	28.66 -0.41 0.00	27.98 -0.37 0.00	28.08 -0.37 0.00	28.96 -0.38 0.00	31.76 -0.29 0.00	39.43 -0.12 0.00	37.30 -0.07 0.00	36.94 -0.04 0.00	36.19 -0.07 0.00	37.16 -0.07 0.00	36.27 -0.07 0.00	36.71 -0.07 0.00	38.67 -0.08 0.00	43.48 -0.13 0.00	46.96 -0.19 0.00	50.63 -0.25 0.00	55.50 -0.39 0.00	55.32 -0.50 0.00	53.42 -0.27 0.00	48.14 -0.19 0.00	43.38 -0.09 0.00	39.06 -0.16 0.00



ROCHESRG_115KV_T4 355643	39.25 0.16 0.00	32.02 -0.65 0.00	28.72 -0.35 0.00	27.87 -0.48 0.00	28.02 -0.43 0.00	28.81 -0.53 0.00	31.21 -0.83 0.00	38.48 -1.07 0.00	36.22 -1.16 0.00	35.68 -1.29 0.00	35.14 -1.12 0.00	35.89 -1.34 0.00	35.07 -1.27 0.00	35.28 -1.51 0.00	37.00 -1.74 0.00	41.86 -1.74 0.00	45.17 -1.98 0.00	47.93 -2.95 0.00	52.65 -3.24 0.00	52.98 -2.85 0.00	50.95 -2.74 0.00	46.30 -2.03 0.00	41.60 -1.87 0.00	38.35 -0.86 0.00
ROCHESTER_9_IC 23652	39.49 0.39 0.00	32.15 -0.52 0.00	28.86 -0.20 0.00	27.98 -0.37 0.00	28.14 -0.31 0.00	28.93 -0.41 0.00	31.34 -0.70 0.00	38.64 -0.91 0.00	36.36 -1.01 0.00	35.83 -1.15 0.00	35.32 -0.94 0.00	36.08 -1.15 0.00	35.25 -1.09 0.00	35.46 -1.32 0.00	37.16 -1.59 0.00	42.08 -1.53 0.00	45.41 -1.74 0.00	48.13 -2.75 0.00	52.87 -3.02 0.00	53.20 -2.62 0.00	51.17 -2.52 0.00	46.55 -1.79 0.00	41.82 -1.65 0.00	38.51 -0.71 0.00
ROCKVIEW_13_KV_LD 356306	41.76 2.66 0.00	34.99 2.32 0.00	30.98 1.92 0.00	30.34 1.98 0.00	30.36 1.91 0.00	31.28 1.94 0.00	33.94 1.89 0.00	41.56 2.02 0.00	39.54 2.17 0.00	39.16 2.18 0.00	38.36 2.10 0.00	39.58 2.35 0.00	38.70 2.36 0.00	39.32 2.54 0.00	41.54 2.79 0.00	46.66 3.05 0.00	50.45 3.30 0.00	55.10 4.22 0.00	60.41 4.53 0.00	59.79 3.96 0.00	57.34 3.65 0.00	51.33 3.00 0.00	46.04 2.56 0.00	41.37 2.16 0.00
ROME____115KV_TB2 80656	40.15 1.06 0.00	33.42 0.75 0.00	29.74 0.67 0.00	29.01 0.65 0.00	29.22 0.77 0.00	30.07 0.73 0.00	32.75 0.70 0.00	40.26 0.71 0.00	38.01 0.64 0.00	37.57 0.59 0.00	36.91 0.65 0.00	37.75 0.52 0.00	36.70 0.36 0.00	37.15 0.37 0.00	39.25 0.50 0.00	44.35 0.74 0.00	48.05 0.90 0.00	51.74 0.86 0.00	57.01 1.12 0.00	57.05 1.23 0.00	54.87 1.18 0.00	49.49 1.16 0.00	44.25 0.78 0.00	39.92 0.71 0.00
ROSETON___1 23587	41.17 2.07 0.00	34.53 1.86 0.00	30.61 1.54 0.00	29.94 1.59 0.00	29.96 1.51 0.00	30.89 1.55 0.00	33.52 1.47 0.00	41.17 1.62 0.00	39.09 1.72 0.00	38.68 1.70 0.00	37.85 1.59 0.00	38.95 1.71 0.00	38.16 1.82 0.00	38.66 1.88 0.00	40.80 2.05 0.00	45.83 2.22 0.00	49.60 2.45 0.00	53.93 3.05 0.00	59.47 3.58 0.00	59.34 3.52 0.00	56.43 2.74 0.00	50.61 2.27 0.00	45.43 1.96 0.00	40.86 1.65 0.00
ROSETON___2 23588	41.17 2.07 0.00	34.53 1.86 0.00	30.61 1.54 0.00	29.94 1.59 0.00	29.96 1.51 0.00	30.89 1.55 0.00	33.52 1.47 0.00	41.17 1.62 0.00	39.09 1.72 0.00	38.68 1.70 0.00	37.85 1.59 0.00	38.95 1.71 0.00	38.16 1.82 0.00	38.66 1.88 0.00	40.80 2.05 0.00	45.83 2.22 0.00	49.60 2.45 0.00	53.93 3.05 0.00	59.47 3.58 0.00	59.34 3.52 0.00	56.43 2.74 0.00	50.61 2.27 0.00	45.43 1.96 0.00	40.86 1.65 0.00
ROTRRDAM_115KV_TB3 80664	40.47 1.37 0.00	33.85 1.18 0.00	30.08 1.02 0.00	29.37 1.02 0.00	29.42 0.97 0.00	30.37 1.03 0.00	33.01 0.96 0.00	40.50 0.95 0.00	38.31 0.93 0.00	37.86 0.89 0.00	37.13 0.87 0.00	38.16 0.93 0.00	37.32 0.98 0.00	37.82 1.03 0.00	39.91 1.16 0.00	44.79 1.18 0.00	48.47 1.32 0.00	52.41 1.53 0.00	57.73 1.84 0.00	57.50 1.67 0.00	55.35 1.66 0.00	49.64 1.31 0.00	44.69 1.22 0.00	40.27 1.06 0.00
RUSSELL___1 23602	39.68 0.59 0.00	32.28 -0.39 0.00	28.98 -0.09 0.00	28.10 -0.26 0.00	28.22 -0.23 0.00	29.05 -0.29 0.00	31.44 -0.61 0.00	38.76 -0.79 0.00	36.51 -0.86 0.00	35.98 -1.00 0.00	35.50 -0.76 0.00	36.27 -0.97 0.00	35.40 -0.94 0.00	35.65 -1.14 0.00	37.35 -1.39 0.00	42.30 -1.31 0.00	45.64 -1.51 0.00	48.33 -2.54 0.00	53.09 -2.79 0.00	53.42 -2.40 0.00	51.43 -2.25 0.00	46.79 -1.55 0.00	42.04 -1.43 0.00	38.71 -0.51 0.00
RUSSELL___2 23532	39.68 0.59 0.00	32.28 -0.39 0.00	28.98 -0.09 0.00	28.10 -0.26 0.00	28.22 -0.23 0.00	29.05 -0.29 0.00	31.44 -0.61 0.00	38.76 -0.79 0.00	36.51 -0.86 0.00	35.98 -1.00 0.00	35.50 -0.76 0.00	36.27 -0.97 0.00	35.40 -0.94 0.00	35.65 -1.14 0.00	37.35 -1.39 0.00	42.30 -1.31 0.00	45.64 -1.51 0.00	48.33 -2.54 0.00	53.09 -2.79 0.00	53.42 -2.40 0.00	51.43 -2.25 0.00	46.79 -1.55 0.00	42.04 -1.43 0.00	38.71 -0.51 0.00
RUSSELL___3 23549	39.68 0.59 0.00	32.28 -0.39 0.00	28.98 -0.09 0.00	28.10 -0.26 0.00	28.22 -0.23 0.00	29.05 -0.29 0.00	31.44 -0.61 0.00	38.76 -0.79 0.00	36.51 -0.86 0.00	35.98 -1.00 0.00	35.50 -0.76 0.00	36.27 -0.97 0.00	35.40 -0.94 0.00	35.65 -1.14 0.00	37.35 -1.39 0.00	42.30 -1.31 0.00	45.64 -1.51 0.00	48.33 -2.54 0.00	53.09 -2.79 0.00	53.42 -2.40 0.00	51.43 -2.25 0.00	46.79 -1.55 0.00	42.04 -1.43 0.00	38.71 -0.51 0.00
RUSSELL___4 23556	39.68 0.59 0.00	32.28 -0.39 0.00	28.98 -0.09 0.00	28.10 -0.26 0.00	28.22 -0.23 0.00	29.05 -0.29 0.00	31.44 -0.61 0.00	38.76 -0.79 0.00	36.51 -0.86 0.00	35.98 -1.00 0.00	35.50 -0.76 0.00	36.27 -0.97 0.00	35.40 -0.94 0.00	35.65 -1.14 0.00	37.35 -1.39 0.00	42.30 -1.31 0.00	45.64 -1.51 0.00	48.33 -2.54 0.00	53.09 -2.79 0.00	53.42 -2.40 0.00	51.43 -2.25 0.00	46.79 -1.55 0.00	42.04 -1.43 0.00	38.71 -0.51 0.00
RUSSELL___STATION 23914	39.68 0.59 0.00	32.28 -0.39 0.00	28.98 -0.09 0.00	28.10 -0.26 0.00	28.22 -0.23 0.00	29.05 -0.29 0.00	31.44 -0.61 0.00	38.76 -0.79 0.00	36.51 -0.86 0.00	35.98 -1.00 0.00	35.50 -0.76 0.00	36.27 -0.97 0.00	35.40 -0.94 0.00	35.65 -1.14 0.00	37.35 -1.39 0.00	42.30 -1.31 0.00	45.64 -1.51 0.00	48.33 -2.54 0.00	53.09 -2.79 0.00	53.42 -2.40 0.00	51.43 -2.25 0.00	46.79 -1.55 0.00	42.04 -1.43 0.00	38.71 -0.51 0.00
S SALMON___HYD 24043	38.71 -0.39 0.00	32.21 -0.46 0.00	28.69 -0.38 0.00	27.96 -0.40 0.00	28.14 -0.31 0.00	28.96 -0.38 0.00	31.53 -0.51 0.00	38.68 -0.87 0.00	36.44 -0.93 0.00	36.09 -0.89 0.00	35.43 -0.83 0.00	36.30 -0.93 0.00	35.32 -1.02 0.00	35.76 -1.03 0.00	37.70 -1.04 0.00	42.52 -1.09 0.00	46.02 -1.13 0.00	49.51 -1.37 0.00	54.49 -1.40 0.00	54.71 -1.12 0.00	52.62 -1.07 0.00	47.41 -0.92 0.00	42.47 -1.00 0.00	38.39 -0.83 0.00
S.PERRY__115KV_TB1 80734	40.90 1.80 0.00	33.06 0.39 0.00	29.74 0.67 0.00	28.84 0.48 0.00	29.02 0.57 0.00	29.81 0.47 0.00	32.30 0.26 0.00	39.82 0.28 0.00	37.34 -0.04 0.00	36.72 -0.26 0.00	36.04 -0.22 0.00	36.71 -0.52 0.00	35.76 -0.58 0.00	35.98 -0.81 0.00	37.74 -1.01 0.00	42.78 -0.83 0.00	46.26 -0.90 0.00	49.20 -1.68 0.00	54.27 -1.62 0.00	54.88 -0.95 0.00	52.88 -0.81 0.00	48.19 -0.15 0.00	43.17 -0.30 0.00	39.73 0.51 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	39.33 0.23 0.00	31.72 -0.95 0.00	28.60 -0.47 0.00	27.70 -0.65 0.00	27.85 -0.60 0.00	28.58 -0.76 0.00	30.86 -1.19 0.00	38.16 -1.38 0.00	35.77 -1.61 0.00	35.05 -1.92 0.00	34.63 -1.63 0.00	35.19 -2.05 0.00	34.45 -1.89 0.00	34.54 -2.24 0.00	36.15 -2.60 0.00	40.90 -2.70 0.00	44.09 -3.06 0.00	46.55 -4.32 0.00	51.08 -4.81 0.00	51.58 -4.24 0.00	49.61 -4.08 0.00	45.14 -3.19 0.00	40.65 -2.83 0.00	37.92 -1.29 0.00



SAWYER___23_KV_LOAD 55526	39.33 0.23 0.00	31.72 -0.95 0.00	28.60 -0.47 0.00	27.70 -0.65 0.00	27.85 -0.60 0.00	28.58 -0.76 0.00	30.86 -1.19 0.00	38.16 -1.38 0.00	35.77 -1.61 0.00	35.05 -1.92 0.00	34.63 -1.63 0.00	35.19 -2.05 0.00	34.45 -1.89 0.00	34.54 -2.24 0.00	36.15 -2.60 0.00	40.90 -2.70 0.00	44.09 -3.06 0.00	46.55 -4.32 0.00	51.08 -4.81 0.00	51.58 -4.24 0.00	49.61 -4.08 0.00	45.14 -3.19 0.00	40.65 -2.83 0.00	37.92 -1.29 0.00
SELKIRK___I 23801	40.19 1.09 0.00	33.65 0.98 0.00	29.91 0.84 0.00	29.20 0.85 0.00	29.28 0.83 0.00	30.22 0.88 0.00	32.81 0.77 0.00	40.18 0.63 0.00	37.90 0.52 0.00	37.45 0.48 0.00	36.70 0.44 0.00	37.68 0.45 0.00	36.85 0.51 0.00	37.34 0.55 0.00	39.37 0.62 0.00	44.35 0.74 0.00	48.05 0.89 0.00	52.05 1.17 0.00	57.45 1.56 0.00	57.33 1.51 0.00	54.98 1.29 0.00	49.35 1.02 0.00	44.43 0.96 0.00	39.96 0.74 0.00
SELKIRK___II 23799	40.08 0.98 0.00	33.55 0.88 0.00	29.82 0.75 0.00	29.12 0.77 0.00	29.16 0.71 0.00	30.13 0.79 0.00	32.72 0.67 0.00	40.18 0.63 0.00	38.01 0.63 0.00	37.56 0.59 0.00	36.80 0.54 0.00	37.79 0.56 0.00	37.00 0.65 0.00	37.45 0.66 0.00	39.48 0.73 0.00	44.39 0.79 0.00	48.05 0.89 0.00	52.00 1.12 0.00	57.40 1.51 0.00	57.27 1.45 0.00	54.82 1.13 0.00	49.25 0.92 0.00	44.26 0.78 0.00	39.81 0.59 0.00
SENECA OSWGO___HYD 24041	38.67 -0.43 0.00	32.18 -0.49 0.00	28.69 -0.38 0.00	27.93 -0.42 0.00	28.11 -0.34 0.00	28.93 -0.41 0.00	31.53 -0.51 0.00	38.60 -0.95 0.00	36.40 -0.97 0.00	36.05 -0.92 0.00	35.39 -0.87 0.00	36.30 -0.93 0.00	35.36 -0.98 0.00	35.76 -1.03 0.00	37.66 -1.08 0.00	42.43 -1.18 0.00	45.83 -1.32 0.00	49.30 -1.58 0.00	54.21 -1.68 0.00	54.32 -1.50 0.00	52.08 -1.61 0.00	46.98 -1.35 0.00	42.17 -1.30 0.00	38.16 -1.06 0.00
SENECA___115KV_TB3 355854	39.76 0.66 0.00	31.98 -0.69 0.00	28.83 -0.23 0.00	27.93 -0.43 0.00	28.08 -0.37 0.00	28.81 -0.53 0.00	31.12 -0.93 0.00	38.48 -1.07 0.00	36.10 -1.27 0.00	35.38 -1.59 0.00	34.92 -1.34 0.00	35.52 -1.71 0.00	34.78 -1.56 0.00	34.87 -1.91 0.00	36.46 -2.29 0.00	41.30 -2.31 0.00	44.51 -2.64 0.00	47.01 -3.87 0.00	51.64 -4.25 0.00	52.14 -3.68 0.00	50.15 -3.54 0.00	45.58 -2.76 0.00	41.04 -2.43 0.00	38.20 -1.02 0.00
SENECA___ENERGY 23797	39.26 0.16 0.00	32.38 -0.29 0.00	28.92 -0.14 0.00	28.16 -0.20 0.00	28.34 -0.11 0.00	29.14 -0.20 0.00	31.72 -0.32 0.00	38.99 -0.55 0.00	36.70 -0.67 0.00	36.27 -0.70 0.00	35.64 -0.62 0.00	36.52 -0.71 0.00	35.54 -0.80 0.00	35.90 -0.88 0.00	37.78 -0.97 0.00	42.61 -1.00 0.00	45.93 -1.23 0.00	49.30 -1.58 0.00	54.32 -1.56 0.00	54.65 -1.17 0.00	52.35 -1.34 0.00	47.22 -1.11 0.00	42.52 -0.96 0.00	38.67 -0.55 0.00
SHOEMAKER___GT 23640	41.21 2.11 0.00	34.53 1.86 0.00	30.61 1.54 0.00	29.94 1.59 0.00	29.96 1.51 0.00	30.89 1.55 0.00	33.55 1.51 0.00	41.21 1.66 0.00	39.09 1.72 0.00	38.68 1.70 0.00	37.82 1.56 0.00	38.87 1.64 0.00	38.09 1.74 0.00	38.59 1.80 0.00	40.76 2.01 0.00	45.70 2.09 0.00	49.46 2.31 0.00	53.83 2.95 0.00	59.30 3.41 0.00	59.29 3.46 0.00	56.37 2.68 0.00	50.61 2.27 0.00	45.38 1.91 0.00	40.86 1.65 0.00
SHOEMAKR_138KV_BK 111 55601	41.25 2.15 0.00	34.57 1.89 0.00	30.61 1.54 0.00	29.94 1.59 0.00	29.99 1.54 0.00	30.90 1.56 0.00	33.55 1.51 0.00	41.13 1.58 0.00	39.02 1.64 0.00	38.60 1.63 0.00	37.75 1.49 0.00	38.87 1.64 0.00	38.01 1.67 0.00	38.59 1.80 0.00	40.76 2.01 0.00	45.70 2.09 0.00	49.46 2.31 0.00	53.93 3.05 0.00	59.13 3.24 0.00	58.84 3.01 0.00	56.43 2.74 0.00	50.61 2.27 0.00	45.43 1.96 0.00	40.82 1.61 0.00
SHOREHAM_IC_1 23715	42.19 3.09 0.00	35.78 3.11 0.00	31.57 2.50 0.00	31.16 2.81 0.00	30.92 2.47 0.00	31.83 2.49 0.00	34.48 2.43 0.00	42.24 2.69 0.00	40.29 2.92 0.00	39.78 2.81 0.00	39.03 2.75 -0.01	39.65 2.42 0.00	38.99 2.65 0.00	38.99 2.21 0.00	41.11 2.36 0.00	46.44 2.83 0.00	50.40 3.25 0.00	55.30 4.42 0.00	60.81 4.92 0.00	60.79 4.97 0.00	57.61 3.92 0.00	52.06 3.72 0.00	46.26 2.78 0.00	41.73 2.51 0.00
SHOREHAM_IC_2 23716	42.62 3.52 0.00	35.84 3.17 0.00	31.57 2.50 0.00	31.19 2.84 0.00	30.95 2.50 0.00	31.83 2.49 0.00	34.48 2.44 0.00	41.92 2.37 0.00	39.99 2.62 0.00	39.56 2.59 0.00	38.88 2.61 -0.01	39.65 2.42 0.00	38.23 1.89 0.00	38.95 2.17 0.00	41.07 2.32 0.00	46.27 2.66 0.00	50.22 3.06 0.00	55.30 4.43 0.00	60.36 4.47 0.00	59.90 4.08 0.00	57.39 3.70 0.00	51.91 3.58 0.00	46.17 2.70 0.00	41.61 2.39 0.00
SISSONVILLE____ 23735	36.87 -2.23 0.00	31.04 -1.63 0.00	27.58 -1.48 0.00	26.88 -1.47 0.00	27.03 -1.42 0.00	27.79 -1.56 0.00	30.60 -1.44 0.00	38.68 -0.87 0.00	36.59 -0.78 0.00	36.23 -0.74 0.00	35.53 -0.73 0.00	36.49 -0.74 0.00	35.58 -0.76 0.00	36.01 -0.77 0.00	37.93 -0.81 0.00	42.87 -0.74 0.00	46.02 -1.13 0.00	49.56 -1.32 0.00	54.38 -1.51 0.00	54.37 -1.45 0.00	52.35 -1.34 0.00	47.42 -0.92 0.00	42.99 -0.48 0.00	38.55 -0.67 0.00
SITHE_IND_GS1 24169	38.20 -0.90 0.00	31.82 -0.85 0.00	28.37 -0.70 0.00	27.65 -0.71 0.00	27.77 -0.68 0.00	28.61 -0.73 0.00	31.18 -0.86 0.00	38.16 -1.39 0.00	35.99 -1.38 0.00	35.61 -1.37 0.00	34.96 -1.30 0.00	35.89 -1.34 0.00	34.96 -1.38 0.00	35.39 -1.40 0.00	37.24 -1.51 0.00	41.95 -1.66 0.00	45.31 -1.84 0.00	48.79 -2.09 0.00	53.65 -2.24 0.00	53.76 -2.06 0.00	51.54 -2.15 0.00	46.45 -1.89 0.00	41.78 -1.70 0.00	37.81 -1.41 0.00
SITHE_IND_GS2 24170	38.20 -0.90 0.00	31.82 -0.85 0.00	28.37 -0.70 0.00	27.65 -0.71 0.00	27.77 -0.68 0.00	28.61 -0.73 0.00	31.18 -0.86 0.00	38.16 -1.39 0.00	35.99 -1.38 0.00	35.61 -1.37 0.00	34.96 -1.30 0.00	35.89 -1.34 0.00	34.96 -1.38 0.00	35.39 -1.40 0.00	37.24 -1.51 0.00	41.95 -1.66 0.00	45.31 -1.84 0.00	48.79 -2.09 0.00	53.65 -2.24 0.00	53.76 -2.06 0.00	51.54 -2.15 0.00	46.45 -1.89 0.00	41.78 -1.70 0.00	37.81 -1.41 0.00
SITHE_IND_GS3 24171	38.20 -0.90 0.00	31.82 -0.85 0.00	28.37 -0.70 0.00	27.65 -0.71 0.00	27.77 -0.68 0.00	28.61 -0.73 0.00	31.18 -0.86 0.00	38.16 -1.39 0.00	35.99 -1.38 0.00	35.61 -1.37 0.00	34.96 -1.30 0.00	35.89 -1.34 0.00	34.96 -1.38 0.00	35.39 -1.40 0.00	37.24 -1.51 0.00	41.95 -1.66 0.00	45.31 -1.84 0.00	48.79 -2.09 0.00	53.65 -2.24 0.00	53.76 -2.06 0.00	51.54 -2.15 0.00	46.45 -1.89 0.00	41.78 -1.70 0.00	37.81 -1.41 0.00
SITHE_IND_GS4 24172	38.20 -0.90 0.00	31.82 -0.85 0.00	28.37 -0.70 0.00	27.65 -0.71 0.00	27.77 -0.68 0.00	28.61 -0.73 0.00	31.18 -0.86 0.00	38.16 -1.39 0.00	35.99 -1.38 0.00	35.61 -1.37 0.00	34.96 -1.30 0.00	35.89 -1.34 0.00	34.96 -1.38 0.00	35.39 -1.40 0.00	37.24 -1.51 0.00	41.95 -1.66 0.00	45.31 -1.84 0.00	48.79 -2.09 0.00	53.65 -2.24 0.00	53.76 -2.06 0.00	51.54 -2.15 0.00	46.45 -1.89 0.00	41.78 -1.70 0.00	37.81 -1.41 0.00



SITHE___BATAVIA 24024	40.11 1.01 0.00	32.18 -0.49 0.00	29.04 -0.03 0.00	28.10 -0.26 0.00	28.31 -0.14 0.00	29.02 -0.32 0.00	31.31 -0.74 0.00	38.60 -0.95 0.00	36.25 -1.12 0.00	35.68 -1.30 0.00	35.21 -1.05 0.00	36.08 -1.15 0.00	34.96 -1.38 0.00	35.09 -1.69 0.00	36.73 -2.02 0.00	41.43 -2.18 0.00	44.80 -2.36 0.00	47.37 -3.51 0.00	52.09 -3.80 0.00	52.98 -2.85 0.00	50.63 -3.06 0.00	45.97 -2.37 0.00	41.52 -1.96 0.00	38.59 -0.63 0.00
SITHE___INDEPEND 23800	38.20 -0.90 0.00	31.82 -0.85 0.00	28.37 -0.70 0.00	27.64 -0.71 0.00	27.77 -0.68 0.00	28.61 -0.73 0.00	31.18 -0.87 0.00	38.24 -1.31 0.00	36.07 -1.31 0.00	35.68 -1.29 0.00	35.03 -1.23 0.00	35.93 -1.30 0.00	35.03 -1.31 0.00	35.39 -1.40 0.00	37.24 -1.51 0.00	41.95 -1.66 0.00	45.36 -1.79 0.00	48.79 -2.09 0.00	53.60 -2.29 0.00	53.59 -2.23 0.00	51.54 -2.15 0.00	46.50 -1.84 0.00	41.78 -1.70 0.00	37.80 -1.41 0.00
SITHE___MASSENA 23902	38.00 -1.09 0.00	31.95 -0.72 0.00	28.43 -0.64 0.00	27.70 -0.65 0.00	27.80 -0.65 0.00	28.61 -0.73 0.00	31.50 -0.54 0.00	39.71 0.16 0.00	37.56 0.19 0.00	37.23 0.26 0.00	36.52 0.26 0.00	37.50 0.26 0.00	36.60 0.26 0.00	37.05 0.26 0.00	38.98 0.23 0.00	43.87 0.26 0.00	47.11 -0.05 0.00	50.83 -0.05 0.00	55.44 -0.45 0.00	55.10 -0.73 0.00	53.64 -0.05 0.00	48.48 0.15 0.00	43.95 0.48 0.00	39.53 0.31 0.00
SITHE___OGDNSBRG 24021	37.96 -1.13 0.00	31.92 -0.75 0.00	28.40 -0.67 0.00	27.67 -0.68 0.00	27.82 -0.63 0.00	28.61 -0.73 0.00	31.50 -0.54 0.00	39.74 0.20 0.00	37.52 0.15 0.00	37.12 0.15 0.00	36.37 0.11 0.00	37.35 0.11 0.00	36.41 0.07 0.00	36.86 0.07 0.00	38.83 0.08 0.00	43.91 0.31 0.00	47.25 0.09 0.00	50.88 0.00 0.00	55.94 0.06 0.00	56.05 0.22 0.00	53.96 0.27 0.00	48.82 0.48 0.00	44.25 0.78 0.00	39.69 0.47 0.00
SITHE___STERLING 23777	40.00 0.90 0.00	33.29 0.62 0.00	29.65 0.58 0.00	28.89 0.54 0.00	29.10 0.65 0.00	29.93 0.59 0.00	32.62 0.58 0.00	40.06 0.51 0.00	37.82 0.45 0.00	37.38 0.41 0.00	36.70 0.44 0.00	37.61 0.37 0.00	36.60 0.26 0.00	37.05 0.26 0.00	39.10 0.35 0.00	44.09 0.48 0.00	47.76 0.61 0.00	51.44 0.56 0.00	56.67 0.78 0.00	56.83 1.01 0.00	54.50 0.81 0.00	49.11 0.77 0.00	44.00 0.52 0.00	39.69 0.47 0.00
SLEIGHT__34_KV_TB1 80719	39.14 0.04 0.00	32.08 -0.59 0.00	28.72 -0.35 0.00	27.90 -0.45 0.00	28.05 -0.40 0.00	28.87 -0.47 0.00	31.37 -0.67 0.00	38.64 -0.91 0.00	36.36 -1.01 0.00	35.94 -1.04 0.00	35.39 -0.87 0.00	36.19 -1.04 0.00	35.29 -1.05 0.00	35.61 -1.18 0.00	37.35 -1.39 0.00	42.26 -1.35 0.00	45.64 -1.51 0.00	48.59 -2.29 0.00	53.37 -2.51 0.00	53.65 -2.18 0.00	51.60 -2.09 0.00	46.84 -1.50 0.00	42.04 -1.43 0.00	38.43 -0.78 0.00
SMITHTWN_69_KV_BK 1 55830	42.62 3.52 0.00	35.84 3.17 0.00	31.60 2.53 0.00	31.16 2.81 0.00	30.92 2.48 0.00	31.86 2.52 0.00	34.48 2.44 0.00	42.00 2.45 0.00	40.06 2.69 0.00	39.67 2.70 0.00	39.07 2.79 -0.01	39.84 2.61 0.00	38.52 2.18 0.00	39.25 2.46 0.00	41.38 2.63 0.00	46.53 2.92 0.00	50.50 3.35 0.00	55.45 4.58 0.00	60.47 4.58 0.00	60.01 4.19 0.00	57.50 3.81 0.00	52.06 3.72 0.00	46.30 2.83 0.00	41.65 2.43 0.00
SOUTH CAIRO___GT 23612	41.01 1.92 0.00	34.37 1.70 0.00	30.46 1.40 0.00	29.74 1.39 0.00	29.79 1.34 0.00	30.75 1.41 0.00	33.39 1.35 0.00	40.93 1.38 0.00	38.68 1.31 0.00	38.12 1.15 0.00	37.02 0.76 0.00	37.94 0.71 0.00	37.07 0.73 0.00	37.63 0.85 0.00	39.83 1.08 0.00	44.31 0.70 0.00	48.10 0.94 0.00	52.20 1.32 0.00	57.51 1.62 0.00	57.83 2.01 0.00	55.73 2.04 0.00	50.03 1.69 0.00	45.04 1.56 0.00	40.47 1.25 0.00
SOUTH HAMPTN___IC 23720	42.26 3.17 0.00	35.81 3.14 0.00	31.63 2.56 0.00	31.22 2.86 0.00	30.95 2.50 0.00	31.89 2.55 0.00	34.51 2.47 0.00	42.27 2.73 0.00	40.37 2.99 0.00	39.86 2.89 0.00	39.03 2.75 -0.01	39.69 2.46 0.00	39.03 2.69 0.00	38.99 2.21 0.00	41.11 2.36 0.00	46.49 2.88 0.00	50.55 3.40 0.00	55.46 4.58 0.00	60.92 5.03 0.00	60.90 5.08 0.00	57.72 4.03 0.00	52.15 3.82 0.00	46.34 2.87 0.00	41.84 2.63 0.00
SOUTHDOW_115KV_TB1 355954	41.33 2.23 0.00	33.00 0.33 0.00	29.79 0.73 0.00	28.81 0.45 0.00	28.99 0.54 0.00	29.75 0.41 0.00	32.14 0.10 0.00	39.86 0.32 0.00	37.45 0.07 0.00	36.68 -0.30 0.00	36.22 -0.04 0.00	36.82 -0.41 0.00	35.98 -0.36 0.00	36.05 -0.74 0.00	37.78 -0.97 0.00	42.78 -0.83 0.00	46.12 -1.04 0.00	48.89 -1.98 0.00	53.65 -2.24 0.00	54.09 -1.73 0.00	52.02 -1.66 0.00	47.13 -1.21 0.00	42.34 -1.13 0.00	39.22 0.00 0.00
SOUTHOLD_69_KV_BK 2 55809	42.62 3.52 0.00	35.84 3.17 0.00	31.54 2.47 0.00	31.22 2.86 0.00	30.92 2.48 0.00	31.83 2.49 0.00	34.48 2.44 0.00	41.92 2.37 0.00	40.03 2.65 0.00	39.60 2.63 0.00	38.74 2.47 -0.01	39.47 2.23 0.00	38.01 1.67 0.00	38.73 1.95 0.00	40.92 2.17 0.00	46.18 2.57 0.00	50.22 3.06 0.00	55.45 4.58 0.00	60.41 4.53 0.00	60.01 4.19 0.00	57.45 3.76 0.00	52.01 3.67 0.00	46.17 2.70 0.00	41.80 2.59 0.00
SOUTHOLD___IC 23719	42.19 3.09 0.00	35.74 3.07 0.00	31.54 2.47 0.00	31.16 2.81 0.00	30.90 2.45 0.00	31.83 2.49 0.00	34.48 2.43 0.00	42.24 2.69 0.00	40.33 2.95 0.00	39.82 2.85 0.00	38.85 2.57 -0.01	39.51 2.27 0.00	38.81 2.47 0.00	38.77 1.99 0.00	40.92 2.17 0.00	46.31 2.70 0.00	50.40 3.25 0.00	55.46 4.58 0.00	60.92 5.03 0.00	60.90 5.08 0.00	57.66 3.97 0.00	52.15 3.82 0.00	46.26 2.78 0.00	41.92 2.70 0.00
SOUTH_FORK_WT_PWR 323839	41.79 2.70 0.00	35.45 2.78 0.00	31.27 2.21 0.00	30.91 2.55 0.00	30.61 2.16 0.00	31.54 2.20 0.00	34.16 2.11 0.00	41.84 2.29 0.00	39.99 2.62 0.00	39.45 2.48 0.00	38.41 2.14 -0.01	39.02 1.79 0.00	38.34 2.00 0.00	38.29 1.51 0.00	40.41 1.67 0.00	45.79 2.18 0.00	49.84 2.69 0.00	54.79 3.92 0.00	60.19 4.30 0.00	60.18 4.36 0.00	57.02 3.33 0.00	51.52 3.19 0.00	45.69 2.22 0.00	41.53 2.31 0.00
SPIERFLS_115KV_TB 1 80737	41.37 2.27 0.00	34.57 1.89 0.00	30.69 1.63 0.00	29.94 1.59 0.00	29.99 1.54 0.00	31.01 1.67 0.00	33.71 1.67 0.00	41.33 1.78 0.00	39.02 1.64 0.00	38.60 1.63 0.00	37.93 1.67 0.00	38.95 1.71 0.00	38.49 2.14 0.00	39.03 2.24 0.00	41.19 2.44 0.00	45.05 1.44 0.00	48.71 1.56 0.00	52.46 1.58 0.00	57.79 1.90 0.00	57.56 1.73 0.00	55.57 1.88 0.00	49.54 1.21 0.00	44.73 1.26 0.00	41.14 1.92 0.00
ST LAWRENCE____ 23600	37.85 -1.25 0.00	31.79 -0.88 0.00	28.28 -0.78 0.00	27.62 -0.74 0.00	27.71 -0.74 0.00	28.55 -0.79 0.00	31.47 -0.58 0.00	39.43 -0.12 0.00	37.30 -0.07 0.00	36.94 -0.04 0.00	36.22 -0.04 0.00	37.23 0.00 0.00	36.31 -0.04 0.00	36.79 0.00 0.00	38.67 -0.08 0.00	43.52 -0.09 0.00	46.92 -0.23 0.00	50.63 -0.25 0.00	55.27 -0.61 0.00	54.93 -0.90 0.00	53.42 -0.27 0.00	48.24 -0.10 0.00	43.56 0.09 0.00	39.18 -0.04 0.00



STATE_CA_115KV_115_LB 55624	40.11 1.02 0.00	33.65 0.98 0.00	29.88 0.81 0.00	29.18 0.82 0.00	29.22 0.77 0.00	30.19 0.85 0.00	32.78 0.74 0.00	40.14 0.59 0.00	38.01 0.64 0.00	37.60 0.63 0.00	36.84 0.58 0.00	37.90 0.67 0.00	37.07 0.73 0.00	37.60 0.81 0.00	39.56 0.81 0.00	44.48 0.87 0.00	48.19 1.04 0.00	52.15 1.27 0.00	57.40 1.51 0.00	57.11 1.28 0.00	54.98 1.29 0.00	49.25 0.92 0.00	44.34 0.87 0.00	39.84 0.63 0.00
STATE_ST_34_KV_LOAD 55959	39.41 0.31 0.00	32.64 -0.03 0.00	29.10 0.03 0.00	28.35 0.00 0.00	28.51 0.06 0.00	29.34 0.00 0.00	32.01 -0.03 0.00	39.35 -0.20 0.00	37.08 -0.30 0.00	36.68 -0.30 0.00	36.01 -0.25 0.00	36.86 -0.37 0.00	35.94 -0.40 0.00	36.31 -0.48 0.00	38.24 -0.50 0.00	43.17 -0.44 0.00	46.68 -0.47 0.00	50.12 -0.76 0.00	55.11 -0.78 0.00	55.15 -0.67 0.00	53.04 -0.64 0.00	47.90 -0.44 0.00	42.95 -0.52 0.00	38.90 -0.31 0.00
STATION_5_MISC_HYD 23604	39.49 0.39 0.00	32.15 -0.52 0.00	28.86 -0.20 0.00	27.98 -0.37 0.00	28.17 -0.28 0.00	28.93 -0.41 0.00	31.34 -0.71 0.00	38.60 -0.95 0.00	36.29 -1.09 0.00	35.83 -1.15 0.00	35.28 -0.98 0.00	36.23 -1.00 0.00	35.18 -1.16 0.00	35.46 -1.32 0.00	37.16 -1.59 0.00	41.86 -1.75 0.00	45.27 -1.89 0.00	48.13 -2.75 0.00	52.87 -3.02 0.00	53.48 -2.34 0.00	51.17 -2.52 0.00	46.35 -1.98 0.00	41.82 -1.65 0.00	38.47 -0.75 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	39.49 0.39 0.00	32.28 -0.39 0.00	28.92 -0.15 0.00	28.10 -0.26 0.00	28.25 -0.20 0.00	29.05 -0.29 0.00	31.56 -0.87 0.00	38.87 -0.67 0.00	36.59 -0.78 0.00	36.12 -0.85 0.00	35.57 -0.69 0.00	36.38 -0.86 0.00	35.47 -0.87 0.00	35.76 -1.03 0.00	37.55 -1.20 0.00	42.47 -1.13 0.00	45.83 -1.32 0.00	48.74 -2.14 0.00	53.54 -2.35 0.00	53.82 -2.01 0.00	51.81 -1.88 0.00	46.98 -1.35 0.00	42.25 -1.22 0.00	38.67 -0.55 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	39.22 0.12 0.00	31.98 -0.69 0.00	28.69 -0.38 0.00	27.84 -0.51 0.00	27.97 -0.48 0.00	28.78 -0.56 0.00	31.18 -0.87 0.00	38.44 -1.11 0.00	36.18 -1.20 0.00	35.68 -1.29 0.00	35.17 -1.09 0.00	35.93 -1.30 0.00	35.11 -1.24 0.00	35.31 -1.47 0.00	37.04 -1.70 0.00	41.91 -1.70 0.00	45.27 -1.89 0.00	47.98 -2.90 0.00	52.70 -3.19 0.00	53.03 -2.79 0.00	51.00 -2.68 0.00	46.35 -1.98 0.00	41.69 -1.78 0.00	38.31 -0.90 0.00
STA_56___34_KV_BUS2 355983	39.22 0.12 0.00	31.98 -0.69 0.00	28.69 -0.38 0.00	27.84 -0.51 0.00	27.97 -0.48 0.00	28.78 -0.56 0.00	31.18 -0.87 0.00	38.44 -1.11 0.00	36.18 -1.20 0.00	35.68 -1.29 0.00	35.17 -1.09 0.00	35.93 -1.30 0.00	35.11 -1.24 0.00	35.31 -1.47 0.00	37.04 -1.70 0.00	41.91 -1.70 0.00	45.27 -1.89 0.00	47.98 -2.90 0.00	52.70 -3.19 0.00	53.03 -2.79 0.00	51.00 -2.68 0.00	46.35 -1.98 0.00	41.69 -1.78 0.00	38.31 -0.90 0.00
STA_67___115KV_BK2 355882	39.37 0.27 0.00	32.08 -0.59 0.00	28.81 -0.26 0.00	27.96 -0.40 0.00	28.08 -0.37 0.00	28.87 -0.47 0.00	31.28 -0.77 0.00	38.56 -0.99 0.00	36.29 -1.08 0.00	35.75 -1.22 0.00	35.24 -1.02 0.00	36.00 -1.23 0.00	35.18 -1.16 0.00	35.39 -1.40 0.00	37.12 -1.63 0.00	41.99 -1.61 0.00	45.31 -1.84 0.00	48.03 -2.85 0.00	52.76 -3.13 0.00	53.09 -2.74 0.00	51.11 -2.58 0.00	46.45 -1.89 0.00	41.73 -1.74 0.00	38.43 -0.78 0.00
STA_7___115KV_9TRANS 80674	39.68 0.59 0.00	32.28 -0.39 0.00	28.98 -0.09 0.00	28.10 -0.26 0.00	28.22 -0.23 0.00	29.05 -0.29 0.00	31.44 -0.61 0.00	38.76 -0.79 0.00	36.51 -0.86 0.00	35.98 -1.00 0.00	35.50 -0.76 0.00	36.27 -0.97 0.00	35.40 -0.94 0.00	35.65 -1.14 0.00	37.35 -1.39 0.00	42.30 -1.31 0.00	45.64 -1.51 0.00	48.33 -2.54 0.00	53.09 -2.79 0.00	53.42 -2.40 0.00	51.43 -2.25 0.00	46.79 -1.55 0.00	42.04 -1.43 0.00	38.71 -0.51 0.00
STA_82___115KV_TB1 80780	39.37 0.27 0.00	32.08 -0.59 0.00	28.81 -0.26 0.00	27.96 -0.40 0.00	28.08 -0.37 0.00	28.87 -0.47 0.00	31.31 -0.74 0.00	38.56 -0.99 0.00	36.29 -1.08 0.00	35.75 -1.22 0.00	35.24 -1.02 0.00	36.00 -1.23 0.00	35.18 -1.16 0.00	35.39 -1.40 0.00	37.12 -1.63 0.00	41.99 -1.61 0.00	45.31 -1.84 0.00	48.03 -2.85 0.00	52.76 -3.13 0.00	53.09 -2.74 0.00	51.11 -2.58 0.00	46.45 -1.89 0.00	41.73 -1.74 0.00	38.47 -0.75 0.00
STEEL___WIND 323596	39.72 0.62 0.00	31.95 -0.72 0.00	28.83 -0.23 0.00	27.90 -0.45 0.00	28.11 -0.34 0.00	28.78 -0.56 0.00	31.08 -0.96 0.00	38.44 -1.11 0.00	36.03 -1.34 0.00	35.39 -1.59 0.00	34.88 -1.38 0.00	35.74 -1.49 0.00	34.67 -1.67 0.00	34.80 -1.99 0.00	36.42 -2.32 0.00	41.12 -2.48 0.00	44.27 -2.88 0.00	47.01 -3.87 0.00	51.64 -4.25 0.00	52.53 -3.29 0.00	50.09 -3.60 0.00	45.19 -3.14 0.00	40.95 -2.52 0.00	38.12 -1.10 0.00
STEPHTWN_115KV_BK_2 55603	40.35 1.25 0.00	33.81 1.14 0.00	30.03 0.96 0.00	29.32 0.96 0.00	29.36 0.91 0.00	30.34 1.00 0.00	32.94 0.90 0.00	40.38 0.83 0.00	38.20 0.82 0.00	37.82 0.85 0.00	37.06 0.80 0.00	38.13 0.89 0.00	37.25 0.91 0.00	37.78 0.99 0.00	39.76 1.01 0.00	44.70 1.09 0.00	48.43 1.27 0.00	52.46 1.58 0.00	57.73 1.84 0.00	57.44 1.62 0.00	55.35 1.66 0.00	49.54 1.21 0.00	44.60 1.13 0.00	40.04 0.82 0.00
STEUBEN_REC_LFGE 323667	40.39 1.29 0.00	32.87 0.20 0.00	29.56 0.49 0.00	28.69 0.34 0.00	28.93 0.48 0.00	29.66 0.32 0.00	32.24 0.19 0.00	39.86 0.32 0.00	37.37 0.00 0.00	36.75 -0.22 0.00	36.15 -0.11 0.00	36.82 -0.41 0.00	35.91 -0.44 0.00	36.05 -0.74 0.00	37.86 -0.89 0.00	42.87 -0.74 0.00	46.26 -0.90 0.00	49.20 -1.68 0.00	54.16 -1.73 0.00	54.65 -1.17 0.00	52.62 -1.07 0.00	47.66 -0.68 0.00	42.78 -0.70 0.00	39.26 0.04 0.00
STILLWATER___SOLAR 323814	41.13 2.03 0.00	34.40 1.73 0.00	30.55 1.48 0.00	29.83 1.47 0.00	29.84 1.39 0.00	30.87 1.52 0.00	33.55 1.51 0.00	41.13 1.58 0.00	38.83 1.46 0.00	38.38 1.40 0.00	37.64 1.38 0.00	38.65 1.41 0.00	38.01 1.67 0.00	38.52 1.73 0.00	40.65 1.90 0.00	45.87 2.27 0.00	49.74 2.59 0.00	53.42 2.54 0.00	59.07 3.18 0.00	59.01 3.18 0.00	56.53 2.84 0.00	50.61 2.27 0.00	45.56 2.09 0.00	40.94 1.72 0.00
STONY___BROOK 24151	42.23 3.13 0.00	35.78 3.11 0.00	31.59 2.53 0.00	31.13 2.78 0.00	30.92 2.47 0.00	31.86 2.52 0.00	34.48 2.43 0.00	42.27 2.73 0.00	40.33 2.95 0.00	39.86 2.89 0.00	39.14 2.86 -0.01	39.80 2.57 0.00	39.21 2.87 0.00	39.21 2.43 0.00	41.31 2.56 0.00	46.62 3.01 0.00	50.59 3.44 0.00	55.30 4.42 0.00	60.75 4.86 0.00	60.68 4.85 0.00	57.56 3.87 0.00	52.06 3.72 0.00	46.30 2.82 0.00	41.73 2.51 0.00
STURGEON_POOL_HYD 23609	41.29 2.19 0.00	34.63 1.96 0.00	30.67 1.60 0.00	30.00 1.64 0.00	30.01 1.56 0.00	30.92 1.58 0.00	33.55 1.51 0.00	41.05 1.50 0.00	39.02 1.64 0.00	38.60 1.63 0.00	37.67 1.41 0.00	38.80 1.56 0.00	37.94 1.60 0.00	38.55 1.77 0.00	40.72 1.98 0.00	45.57 1.96 0.00	49.32 2.17 0.00	53.83 2.95 0.00	59.07 3.19 0.00	58.78 2.96 0.00	56.43 2.74 0.00	50.65 2.32 0.00	45.43 1.96 0.00	40.86 1.65 0.00



ST_LAW_115_BK7_LBMP 345037	37.77 -1.33 0.00	31.72 -0.95 0.00	28.25 -0.81 0.00	27.56 -0.79 0.00	27.65 -0.80 0.00	28.49 -0.85 0.00	31.40 -0.64 0.00	39.39 -0.16 0.00	37.26 -0.11 0.00	36.94 -0.04 0.00	36.22 -0.04 0.00	37.20 -0.04 0.00	36.31 -0.04 0.00	36.75 -0.04 0.00	38.67 -0.08 0.00	43.52 -0.09 0.00	46.92 -0.23 0.00	50.58 -0.30 0.00	55.22 -0.67 0.00	54.88 -0.95 0.00	53.37 -0.32 0.00	48.24 -0.10 0.00	43.52 0.04 0.00	39.18 -0.04 0.00
ST_LAW_115_BK8_LBMP 345038	37.77 -1.33 0.00	31.72 -0.95 0.00	28.25 -0.81 0.00	27.56 -0.79 0.00	27.65 -0.80 0.00	28.49 -0.85 0.00	31.40 -0.64 0.00	39.39 -0.16 0.00	37.26 -0.11 0.00	36.94 -0.04 0.00	36.22 -0.04 0.00	37.20 -0.04 0.00	36.31 -0.04 0.00	36.75 -0.04 0.00	38.67 -0.08 0.00	43.52 -0.09 0.00	46.92 -0.23 0.00	50.58 -0.30 0.00	55.22 -0.67 0.00	54.88 -0.95 0.00	53.37 -0.32 0.00	48.24 -0.10 0.00	43.52 0.04 0.00	39.18 -0.04 0.00
ST_LAW_230_BK5_LBMP 345035	37.85 -1.25 0.00	31.79 -0.88 0.00	28.28 -0.78 0.00	27.62 -0.74 0.00	27.71 -0.74 0.00	28.55 -0.79 0.00	31.47 -0.58 0.00	39.43 -0.12 0.00	37.30 -0.07 0.00	36.94 -0.04 0.00	36.22 -0.04 0.00	37.23 0.00 0.00	36.31 -0.04 0.00	36.79 0.00 0.00	38.67 -0.08 0.00	43.52 -0.09 0.00	46.92 -0.23 0.00	50.63 -0.25 0.00	55.27 -0.61 0.00	54.93 -0.90 0.00	53.42 -0.27 0.00	48.24 -0.10 0.00	43.56 0.09 0.00	39.18 -0.04 0.00
ST_LAW_230_BK6_LBMP 345036	37.85 -1.25 0.00	31.79 -0.88 0.00	28.28 -0.78 0.00	27.62 -0.74 0.00	27.71 -0.74 0.00	28.55 -0.79 0.00	31.47 -0.58 0.00	39.43 -0.12 0.00	37.30 -0.07 0.00	36.94 -0.04 0.00	36.22 -0.04 0.00	37.23 0.00 0.00	36.31 -0.04 0.00	36.79 0.00 0.00	38.67 -0.08 0.00	43.52 -0.09 0.00	46.92 -0.23 0.00	50.63 -0.25 0.00	55.27 -0.61 0.00	54.93 -0.90 0.00	53.42 -0.27 0.00	48.24 -0.10 0.00	43.56 0.09 0.00	39.18 -0.04 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	41.33 2.23 0.00	34.63 1.96 0.00	30.69 1.63 0.00	30.03 1.67 0.00	30.04 1.59 0.00	30.98 1.64 0.00	33.62 1.57 0.00	41.21 1.66 0.00	39.13 1.76 0.00	38.71 1.74 0.00	37.89 1.63 0.00	39.02 1.79 0.00	38.16 1.82 0.00	38.74 1.95 0.00	40.92 2.17 0.00	45.88 2.27 0.00	49.65 2.50 0.00	54.14 3.26 0.00	59.41 3.52 0.00	59.01 3.18 0.00	56.59 2.90 0.00	50.75 2.42 0.00	45.51 2.04 0.00	40.94 1.73 0.00
SWANROAD_115KV_TB1 355699	38.63 -0.47 0.00	31.10 -1.57 0.00	28.08 -0.99 0.00	27.16 -1.19 0.00	27.31 -1.14 0.00	28.05 -1.29 0.00	30.25 -1.79 0.00	37.41 -2.14 0.00	35.06 -2.32 0.00	34.35 -2.63 0.00	33.90 -2.36 0.00	34.44 -2.79 0.00	33.76 -2.58 0.00	33.84 -2.94 0.00	35.38 -3.37 0.00	40.03 -3.58 0.00	43.14 -4.01 0.00	45.43 -5.44 0.00	49.91 -5.98 0.00	50.41 -5.42 0.00	48.48 -5.21 0.00	44.18 -4.16 0.00	39.82 -3.65 0.00	37.22 -2.00 0.00
SYNERGY___BIOGAS 323694	40.08 0.98 0.00	32.18 -0.49 0.00	29.04 -0.03 0.00	28.10 -0.26 0.00	28.25 -0.20 0.00	29.02 -0.32 0.00	31.31 -0.74 0.00	38.64 -0.91 0.00	36.33 -1.05 0.00	35.68 -1.29 0.00	35.21 -1.05 0.00	35.86 -1.38 0.00	35.03 -1.31 0.00	35.13 -1.66 0.00	36.73 -2.01 0.00	41.69 -1.92 0.00	44.98 -2.17 0.00	47.37 -3.51 0.00	52.03 -3.86 0.00	52.64 -3.18 0.00	50.63 -3.06 0.00	46.26 -2.08 0.00	41.56 -1.91 0.00	38.67 -0.55 0.00
SYRACUSE___ENERGY_ST1 323597	39.18 0.08 0.00	32.57 -0.10 0.00	29.04 -0.03 0.00	28.27 -0.09 0.00	28.42 -0.03 0.00	29.25 -0.09 0.00	31.92 -0.13 0.00	39.19 -0.36 0.00	36.93 -0.45 0.00	36.57 -0.41 0.00	35.90 -0.36 0.00	36.79 -0.45 0.00	35.87 -0.47 0.00	36.27 -0.52 0.00	38.17 -0.58 0.00	43.04 -0.57 0.00	46.49 -0.66 0.00	50.01 -0.86 0.00	54.88 -1.01 0.00	54.93 -0.89 0.00	52.83 -0.86 0.00	47.66 -0.68 0.00	42.78 -0.70 0.00	38.71 -0.51 0.00
SYRACUSE___ENERGY_ST2 323598	39.18 0.08 0.00	32.57 -0.10 0.00	29.04 -0.03 0.00	28.27 -0.09 0.00	28.42 -0.03 0.00	29.25 -0.09 0.00	31.92 -0.13 0.00	39.19 -0.36 0.00	36.93 -0.45 0.00	36.57 -0.41 0.00	35.90 -0.36 0.00	36.79 -0.45 0.00	35.87 -0.47 0.00	36.27 -0.52 0.00	38.17 -0.58 0.00	43.04 -0.57 0.00	46.49 -0.66 0.00	50.01 -0.86 0.00	54.88 -1.01 0.00	54.93 -0.89 0.00	52.83 -0.86 0.00	47.66 -0.68 0.00	42.78 -0.70 0.00	38.71 -0.51 0.00
SYRACUSE___POWER 24017	39.18 0.08 0.00	32.54 -0.13 0.00	29.01 -0.06 0.00	28.24 -0.11 0.00	28.39 -0.06 0.00	29.25 -0.09 0.00	31.88 -0.16 0.00	39.15 -0.40 0.00	36.89 -0.49 0.00	36.49 -0.48 0.00	35.86 -0.40 0.00	36.75 -0.48 0.00	35.83 -0.51 0.00	36.20 -0.59 0.00	38.13 -0.62 0.00	43.00 -0.61 0.00	46.45 -0.71 0.00	49.96 -0.92 0.00	54.83 -1.06 0.00	54.88 -0.95 0.00	52.78 -0.91 0.00	47.61 -0.73 0.00	42.73 -0.74 0.00	38.67 -0.55 0.00
TALLMAN_138KV_BK151 55660	41.48 2.38 0.00	34.79 2.12 0.00	30.81 1.74 0.00	30.17 1.81 0.00	30.16 1.71 0.00	31.10 1.76 0.00	33.74 1.70 0.00	41.37 1.82 0.00	39.32 1.94 0.00	38.90 1.92 0.00	38.07 1.81 0.00	39.21 1.97 0.00	38.38 2.04 0.00	38.96 2.17 0.00	41.15 2.40 0.00	46.14 2.53 0.00	49.93 2.78 0.00	54.49 3.61 0.00	59.74 3.86 0.00	59.29 3.46 0.00	56.86 3.17 0.00	50.94 2.61 0.00	45.69 2.22 0.00	41.06 1.84 0.00
TEALLAVE_115KV_TB7 355573	39.10 0.00 0.00	32.47 -0.20 0.00	28.95 -0.12 0.00	28.21 -0.14 0.00	28.34 -0.11 0.00	29.19 -0.15 0.00	31.79 -0.26 0.00	39.03 -0.51 0.00	36.81 -0.56 0.00	36.42 -0.55 0.00	35.79 -0.47 0.00	36.67 -0.56 0.00	35.76 -0.58 0.00	36.12 -0.66 0.00	38.05 -0.70 0.00	42.87 -0.74 0.00	46.35 -0.80 0.00	49.81 -1.07 0.00	54.60 -1.29 0.00	54.60 -1.23 0.00	52.56 -1.13 0.00	47.42 -0.92 0.00	42.56 -0.91 0.00	38.51 -0.71 0.00
TELGRAPH_34_KV_EAST 80808	39.53 0.43 0.00	31.79 -0.88 0.00	28.66 -0.41 0.00	27.76 -0.60 0.00	27.88 -0.57 0.00	28.64 -0.70 0.00	30.89 -1.15 0.00	38.20 -1.34 0.00	35.84 -1.53 0.00	35.16 -1.81 0.00	34.74 -1.52 0.00	35.30 -1.94 0.00	34.56 -1.78 0.00	34.65 -2.13 0.00	36.23 -2.52 0.00	41.08 -2.53 0.00	44.32 -2.83 0.00	46.66 -4.22 0.00	51.25 -4.64 0.00	51.75 -4.08 0.00	49.77 -3.92 0.00	45.39 -2.95 0.00	40.86 -2.61 0.00	38.08 -1.14 0.00
TEMPLE___115KV_TB 2 55572	39.10 0.00 0.00	32.47 -0.20 0.00	28.95 -0.12 0.00	28.21 -0.14 0.00	28.36 -0.09 0.00	29.19 -0.15 0.00	31.82 -0.22 0.00	39.07 -0.47 0.00	36.81 -0.56 0.00	36.42 -0.55 0.00	35.79 -0.47 0.00	36.67 -0.56 0.00	35.76 -0.58 0.00	36.12 -0.66 0.00	38.05 -0.70 0.00	42.91 -0.70 0.00	46.35 -0.80 0.00	49.81 -1.07 0.00	54.60 -1.29 0.00	54.65 -1.17 0.00	52.56 -1.13 0.00	47.42 -0.92 0.00	42.56 -0.91 0.00	38.55 -0.67 0.00
TIANA____69_KV_BK 1 55817	42.70 3.60 0.00	35.90 3.23 0.00	31.65 2.59 0.00	31.27 2.92 0.00	31.01 2.56 0.00	31.92 2.58 0.00	34.54 2.50 0.00	42.04 2.49 0.00	40.10 2.73 0.00	39.67 2.70 0.00	38.96 2.68 -0.01	39.73 2.49 0.00	38.30 1.96 0.00	39.03 2.24 0.00	41.19 2.44 0.00	46.40 2.79 0.00	50.36 3.21 0.00	55.50 4.63 0.00	60.53 4.64 0.00	60.12 4.30 0.00	57.55 3.87 0.00	52.10 3.77 0.00	46.30 2.83 0.00	41.73 2.51 0.00



TILDEN___115KV_TB1 80814	39.18 0.08 0.00	32.54 -0.13 0.00	29.01 -0.06 0.00	28.24 -0.11 0.00	28.39 -0.06 0.00	29.25 -0.09 0.00	31.88 -0.16 0.00	39.15 -0.40 0.00	36.89 -0.49 0.00	36.49 -0.48 0.00	35.86 -0.40 0.00	36.75 -0.48 0.00	35.83 -0.51 0.00	36.20 -0.59 0.00	38.13 -0.62 0.00	43.00 -0.61 0.00	46.45 -0.71 0.00	49.96 -0.92 0.00	54.83 -1.06 0.00	54.88 -0.95 0.00	52.78 -0.91 0.00	47.61 -0.73 0.00	42.73 -0.74 0.00	38.67 -0.55 0.00
TRIGEN___CC 323695	42.03 2.93 0.00	35.32 2.65 0.00	31.19 2.12 0.00	30.65 2.30 0.00	30.53 2.08 0.00	31.45 2.11 0.00	34.06 2.02 0.00	41.56 2.02 0.00	39.62 2.24 0.00	39.23 2.26 0.00	38.77 2.36 -0.15	39.50 2.27 0.00	38.39 2.04 -0.01	39.08 2.28 -0.01	41.19 2.44 0.00	46.22 2.62 0.00	50.03 2.88 0.00	54.92 4.02 -0.02	59.91 4.02 0.00	59.40 3.57 0.00	56.96 3.28 0.00	51.28 2.95 0.00	45.78 2.30 0.00	41.22 2.00 0.00
TRINITY___115KV__4 BK 55933	40.00 0.90 0.00	33.55 0.88 0.00	29.82 0.76 0.00	29.12 0.77 0.00	29.16 0.71 0.00	30.13 0.79 0.00	32.69 0.64 0.00	40.06 0.51 0.00	37.90 0.52 0.00	37.53 0.55 0.00	36.73 0.47 0.00	37.79 0.56 0.00	36.96 0.62 0.00	37.49 0.70 0.00	39.45 0.70 0.00	44.35 0.74 0.00	48.00 0.85 0.00	52.00 1.12 0.00	57.23 1.34 0.00	56.94 1.12 0.00	54.87 1.18 0.00	49.16 0.82 0.00	44.25 0.78 0.00	39.73 0.51 0.00
UNION___PROCESSING_DRP 323587	39.41 0.31 0.00	32.08 -0.59 0.00	28.81 -0.26 0.00	27.96 -0.40 0.00	28.08 -0.37 0.00	28.90 -0.44 0.00	31.31 -0.74 0.00	38.56 -0.99 0.00	36.29 -1.08 0.00	35.79 -1.18 0.00	35.24 -1.02 0.00	36.00 -1.23 0.00	35.18 -1.16 0.00	35.39 -1.40 0.00	37.12 -1.63 0.00	41.99 -1.61 0.00	45.31 -1.84 0.00	48.03 -2.85 0.00	52.76 -3.13 0.00	53.15 -2.68 0.00	51.11 -2.58 0.00	46.45 -1.89 0.00	41.78 -1.70 0.00	38.47 -0.75 0.00
UPPER HUDSON___HYD 24058	41.37 2.27 0.00	34.56 1.89 0.00	30.69 1.63 0.00	29.94 1.59 0.00	29.98 1.54 0.00	31.01 1.67 0.00	33.71 1.67 0.00	41.37 1.82 0.00	39.09 1.72 0.00	38.64 1.67 0.00	37.96 1.70 0.00	38.98 1.75 0.00	38.52 2.18 0.00	39.03 2.24 0.00	41.19 2.44 0.00	46.53 2.92 0.00	50.50 3.35 0.00	53.83 2.95 0.00	59.47 3.58 0.00	59.40 3.58 0.00	57.02 3.33 0.00	50.89 2.56 0.00	45.82 2.35 0.00	41.18 1.96 0.00
UPPER RAQUET___HYD 24056	36.87 -2.23 0.00	31.04 -1.63 0.00	27.59 -1.48 0.00	26.91 -1.44 0.00	27.03 -1.42 0.00	27.78 -1.56 0.00	30.60 -1.44 0.00	38.68 -0.87 0.00	36.59 -0.79 0.00	36.27 -0.70 0.00	35.53 -0.72 0.00	36.49 -0.74 0.00	35.58 -0.76 0.00	36.01 -0.77 0.00	37.93 -0.82 0.00	42.74 -0.87 0.00	45.88 -1.27 0.00	49.56 -1.32 0.00	54.05 -1.84 0.00	53.76 -2.06 0.00	52.35 -1.34 0.00	47.41 -0.92 0.00	42.95 -0.52 0.00	38.55 -0.67 0.00
VALLEY44_115KV_TB2 355964	39.41 0.31 0.00	31.82 -0.85 0.00	28.69 -0.38 0.00	27.79 -0.57 0.00	27.97 -0.48 0.00	28.70 -0.65 0.00	31.08 -0.96 0.00	38.52 -1.03 0.00	36.10 -1.27 0.00	35.35 -1.63 0.00	34.88 -1.38 0.00	35.52 -1.71 0.00	34.71 -1.64 0.00	34.84 -1.95 0.00	36.50 -2.25 0.00	41.30 -2.31 0.00	44.56 -2.59 0.00	47.32 -3.56 0.00	51.92 -3.97 0.00	52.48 -3.35 0.00	50.36 -3.33 0.00	45.53 -2.80 0.00	40.91 -2.56 0.00	37.92 -1.29 0.00
VALLEY___115KV_TB 1-4 80826	39.37 0.27 0.00	32.90 0.23 0.00	29.27 0.20 0.00	28.55 0.20 0.00	28.68 0.23 0.00	29.58 0.23 0.00	32.27 0.22 0.00	39.71 0.16 0.00	37.52 0.15 0.00	37.16 0.18 0.00	36.48 0.22 0.00	37.42 0.19 0.00	36.49 0.15 0.00	36.93 0.15 0.00	38.90 0.15 0.00	43.83 0.22 0.00	47.39 0.24 0.00	51.08 0.20 0.00	56.17 0.28 0.00	56.16 0.33 0.00	53.96 0.27 0.00	48.58 0.24 0.00	43.65 0.17 0.00	39.37 0.16 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	40.97 1.88 0.00	34.11 1.44 0.00	30.35 1.28 0.00	29.60 1.25 0.00	29.79 1.34 0.00	30.66 1.32 0.00	33.33 1.28 0.00	40.97 1.42 0.00	38.76 1.38 0.00	38.31 1.33 0.00	37.64 1.38 0.00	38.57 1.34 0.00	37.50 1.16 0.00	38.00 1.21 0.00	40.14 1.39 0.00	45.27 1.66 0.00	49.04 1.89 0.00	52.66 1.78 0.00	58.01 2.12 0.00	58.00 2.18 0.00	55.73 2.04 0.00	50.27 1.93 0.00	45.04 1.56 0.00	40.67 1.45 0.00
VISCHER___FERRY HYD 24020	40.66 1.57 0.00	34.04 1.37 0.00	30.23 1.16 0.00	29.52 1.16 0.00	29.56 1.11 0.00	30.60 1.26 0.00	33.20 1.15 0.00	40.73 1.19 0.00	38.49 1.12 0.00	38.08 1.11 0.00	37.27 1.01 0.00	38.31 1.08 0.00	37.50 1.16 0.00	38.00 1.21 0.00	40.07 1.32 0.00	45.13 1.53 0.00	48.94 1.79 0.00	52.86 1.98 0.00	58.52 2.63 0.00	58.39 2.57 0.00	55.89 2.20 0.00	50.12 1.79 0.00	45.08 1.61 0.00	40.47 1.25 0.00
V_A_10_SYNC_DSASP 323832	39.02 -0.08 0.00	31.69 -0.98 0.00	28.51 -0.55 0.00	27.65 -0.71 0.00	27.85 -0.60 0.00	28.55 -0.79 0.00	30.86 -1.19 0.00	38.08 -1.46 0.00	35.69 -1.68 0.00	35.13 -1.85 0.00	34.63 -1.63 0.00	35.52 -1.71 0.00	34.49 -1.85 0.00	34.65 -2.13 0.00	36.31 -2.44 0.00	40.90 -2.70 0.00	44.13 -3.02 0.00	46.81 -4.07 0.00	51.41 -4.47 0.00	52.20 -3.63 0.00	49.82 -3.87 0.00	45.05 -3.29 0.00	40.78 -2.70 0.00	37.84 -1.37 0.00
V_CMM_10_SYNC_DSASP 323787	37.96 -1.14 0.00	31.92 -0.75 0.00	28.40 -0.67 0.00	27.70 -0.65 0.00	27.77 -0.68 0.00	28.61 -0.73 0.00	31.53 -0.51 0.00	39.55 0.00 0.00	37.41 0.04 0.00	37.09 0.11 0.00	36.37 0.11 0.00	37.35 0.11 0.00	36.45 0.11 0.00	36.90 0.11 0.00	38.83 0.08 0.00	43.70 0.09 0.00	47.11 -0.05 0.00	50.78 -0.10 0.00	55.38 -0.50 0.00	55.04 -0.78 0.00	53.58 -0.11 0.00	48.43 0.10 0.00	43.73 0.26 0.00	39.33 0.12 0.00
V_CMP_10_SYNC_DSASP 323788	38.24 -0.86 0.00	32.21 -0.46 0.00	28.75 -0.32 0.00	28.10 -0.26 0.00	28.22 -0.23 0.00	29.08 -0.26 0.00	32.04 0.00 0.00	40.26 0.71 0.00	38.12 0.75 0.00	37.83 0.85 0.00	37.09 0.83 0.00	38.09 0.86 0.00	37.18 0.84 0.00	37.63 0.85 0.00	39.56 0.82 0.00	44.57 0.96 0.00	48.05 0.89 0.00	51.84 0.96 0.00	56.56 0.67 0.00	56.27 0.44 0.00	54.71 1.02 0.00	49.49 1.16 0.00	44.60 1.13 0.00	40.12 0.90 0.00
V_D_10_SYNC_DSASP 323841	38.00 -1.09 0.00	31.95 -0.72 0.00	28.43 -0.64 0.00	27.73 -0.62 0.00	27.80 -0.65 0.00	28.61 -0.73 0.00	31.50 -0.54 0.00	39.71 0.16 0.00	37.56 0.19 0.00	37.23 0.26 0.00	36.52 0.26 0.00	37.50 0.26 0.00	36.60 0.26 0.00	37.05 0.26 0.00	38.98 0.23 0.00	43.87 0.26 0.00	47.15 0.00 0.00	50.83 -0.05 0.00	55.44 -0.45 0.00	55.10 -0.73 0.00	53.64 -0.05 0.00	48.53 0.19 0.00	43.95 0.48 0.00	39.53 0.31 0.00
V_E_10_SYNC_DSASP 323830	42.11 3.01 0.00	34.79 2.12 0.00	30.98 1.92 0.00	30.17 1.82 0.00	30.61 2.16 0.00	31.42 2.08 0.00	34.16 2.11 0.00	42.00 2.45 0.00	39.54 2.17 0.00	38.97 2.00 0.00	38.36 2.10 0.00	39.09 1.86 0.00	37.80 1.46 0.00	38.30 1.51 0.00	40.53 1.78 0.00	45.87 2.27 0.00	49.89 2.73 0.00	53.57 2.69 0.00	59.35 3.47 0.00	59.85 4.02 0.00	57.18 3.49 0.00	51.62 3.29 0.00	45.99 2.52 0.00	41.61 2.39 0.00



V_F_30_NSYNC___DSASP 323816	41.17 2.07 0.00	34.43 1.76 0.00	30.58 1.51 0.00	29.85 1.50 0.00	29.90 1.45 0.00	30.89 1.55 0.00	33.58 1.54 0.00	41.21 1.66 0.00	38.91 1.53 0.00	38.45 1.48 0.00	37.71 1.45 0.00	38.76 1.53 0.00	38.12 1.78 0.00	38.62 1.84 0.00	40.76 2.01 0.00	45.96 2.35 0.00	49.84 2.69 0.00	53.47 2.59 0.00	59.13 3.24 0.00	59.06 3.24 0.00	56.59 2.90 0.00	50.65 2.32 0.00	45.60 2.13 0.00	40.98 1.77 0.00
V_F_30_SYNC_DSASP 323786	40.11 1.02 0.00	33.65 0.98 0.00	29.88 0.81 0.00	29.18 0.82 0.00	29.22 0.77 0.00	30.19 0.85 0.00	32.78 0.74 0.00	40.14 0.59 0.00	38.01 0.64 0.00	37.60 0.63 0.00	36.84 0.58 0.00	37.90 0.67 0.00	37.07 0.73 0.00	37.60 0.81 0.00	39.56 0.81 0.00	44.48 0.87 0.00	48.14 0.99 0.00	52.10 1.22 0.00	57.40 1.51 0.00	57.11 1.28 0.00	54.98 1.29 0.00	49.25 0.92 0.00	44.34 0.87 0.00	39.84 0.63 0.00
V_XM_10_SYNC_DSASP 323789	38.24 -0.86 0.00	32.21 -0.46 0.00	28.75 -0.32 0.00	28.10 -0.26 0.00	28.22 -0.23 0.00	29.08 -0.26 0.00	32.04 0.00 0.00	40.26 0.71 0.00	38.12 0.75 0.00	37.83 0.85 0.00	37.09 0.83 0.00	38.09 0.86 0.00	37.18 0.84 0.00	37.63 0.85 0.00	39.56 0.82 0.00	44.57 0.96 0.00	48.05 0.89 0.00	51.84 0.96 0.00	56.56 0.67 0.00	56.27 0.44 0.00	54.71 1.02 0.00	49.49 1.16 0.00	44.60 1.13 0.00	40.12 0.90 0.00
W.BABYLN_69_KV_BK1 56697	42.66 3.56 0.00	35.87 3.20 0.00	31.62 2.56 0.00	31.16 2.81 0.00	30.95 2.50 0.00	31.89 2.55 0.00	34.51 2.47 0.00	42.04 2.49 0.00	40.06 2.69 0.00	39.67 2.70 0.00	39.09 2.79 -0.04	39.84 2.61 0.00	38.56 2.22 0.00	39.29 2.50 0.00	41.42 2.67 0.00	46.40 2.79 0.00	50.36 3.21 0.00	55.31 4.43 0.00	60.30 4.42 0.00	59.84 4.02 0.00	57.34 3.65 0.00	51.86 3.53 0.00	46.17 2.70 0.00	41.65 2.43 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	41.60 2.50 0.00	34.89 2.22 0.00	30.90 1.83 0.00	30.22 1.87 0.00	30.24 1.79 0.00	31.16 1.82 0.00	33.84 1.79 0.00	41.45 1.90 0.00	39.39 2.02 0.00	39.01 2.03 0.00	38.15 1.89 0.00	39.32 2.09 0.00	38.45 2.11 0.00	39.07 2.28 0.00	41.27 2.52 0.00	46.22 2.62 0.00	50.03 2.88 0.00	54.59 3.71 0.00	59.86 3.97 0.00	59.45 3.63 0.00	57.02 3.33 0.00	51.04 2.71 0.00	45.78 2.30 0.00	41.18 1.96 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	41.91 2.82 0.00	35.12 2.45 0.00	31.10 2.03 0.00	30.45 2.10 0.00	30.47 2.02 0.00	31.37 2.02 0.00	34.00 1.95 0.00	41.68 2.14 0.00	39.65 2.28 0.00	39.30 2.33 0.00	38.47 2.21 0.00	39.65 2.42 0.00	38.81 2.47 0.00	39.43 2.65 0.00	41.65 2.91 0.00	46.70 3.10 0.00	50.55 3.40 0.00	55.20 4.32 0.00	60.41 4.53 0.00	59.73 3.91 0.00	57.23 3.54 0.00	51.33 3.00 0.00	46.04 2.56 0.00	41.41 2.20 0.00
W50THST__13_KV_LOAD 356117	42.11 3.01 0.00	35.25 2.58 0.00	31.22 2.15 0.00	30.59 2.24 0.00	30.58 2.13 0.00	31.51 2.17 0.00	34.16 2.11 0.00	41.88 2.33 0.00	39.84 2.47 0.00	39.49 2.51 0.00	38.65 2.39 0.00	39.88 2.64 0.00	39.03 2.69 0.00	39.66 2.87 0.00	41.85 3.10 0.00	46.97 3.36 0.00	50.78 3.63 0.00	55.51 4.63 0.00	60.75 4.86 0.00	60.07 4.24 0.00	57.50 3.81 0.00	51.57 3.24 0.00	46.25 2.78 0.00	41.61 2.39 0.00
WADING RIVER_IC_1 23522	42.19 3.09 0.00	35.78 3.11 0.00	31.57 2.50 0.00	31.16 2.81 0.00	30.92 2.47 0.00	31.83 2.49 0.00	34.48 2.43 0.00	42.24 2.69 0.00	40.29 2.92 0.00	39.78 2.81 0.00	39.03 2.75 -0.01	39.69 2.46 0.00	39.03 2.69 0.00	39.03 2.24 0.00	41.15 2.40 0.00	46.44 2.83 0.00	50.45 3.30 0.00	55.35 4.48 0.00	60.81 4.92 0.00	60.79 4.97 0.00	57.61 3.92 0.00	52.06 3.72 0.00	46.30 2.82 0.00	41.73 2.51 0.00
WADING RIVER_IC_2 23547	42.19 3.09 0.00	35.78 3.11 0.00	31.57 2.50 0.00	31.16 2.81 0.00	30.92 2.47 0.00	31.83 2.49 0.00	34.48 2.43 0.00	42.24 2.69 0.00	40.29 2.92 0.00	39.78 2.81 0.00	39.03 2.75 -0.01	39.69 2.46 0.00	39.03 2.69 0.00	39.03 2.24 0.00	41.15 2.40 0.00	46.44 2.83 0.00	50.45 3.30 0.00	55.35 4.48 0.00	60.81 4.92 0.00	60.79 4.97 0.00	57.61 3.92 0.00	52.06 3.72 0.00	46.30 2.82 0.00	41.73 2.51 0.00
WADING RIVER_IC_3 23601	42.19 3.09 0.00	35.78 3.11 0.00	31.57 2.50 0.00	31.16 2.81 0.00	30.92 2.47 0.00	31.83 2.49 0.00	34.48 2.43 0.00	42.24 2.69 0.00	40.29 2.92 0.00	39.78 2.81 0.00	39.03 2.75 -0.01	39.69 2.46 0.00	39.03 2.69 0.00	39.03 2.24 0.00	41.15 2.40 0.00	46.44 2.83 0.00	50.45 3.30 0.00	55.35 4.48 0.00	60.81 4.92 0.00	60.79 4.97 0.00	57.61 3.92 0.00	52.06 3.72 0.00	46.30 2.82 0.00	41.73 2.51 0.00
WALDENNY_12_KV_BK2 80841	39.72 0.63 0.00	31.92 -0.75 0.00	28.83 -0.23 0.00	27.90 -0.45 0.00	28.05 -0.40 0.00	28.78 -0.56 0.00	31.08 -0.96 0.00	38.44 -1.11 0.00	36.07 -1.31 0.00	35.35 -1.63 0.00	34.92 -1.34 0.00	35.48 -1.75 0.00	34.74 -1.60 0.00	34.84 -1.95 0.00	36.42 -2.32 0.00	41.25 -2.35 0.00	44.47 -2.69 0.00	46.96 -3.92 0.00	51.58 -4.30 0.00	52.08 -3.74 0.00	50.04 -3.65 0.00	45.53 -2.80 0.00	40.99 -2.48 0.00	38.16 -1.06 0.00
WALDEN__HYDRO 24148	41.44 2.35 0.00	34.76 2.09 0.00	30.78 1.71 0.00	30.11 1.76 0.00	30.13 1.68 0.00	31.04 1.70 0.00	33.71 1.67 0.00	41.29 1.74 0.00	39.21 1.83 0.00	38.79 1.81 0.00	37.89 1.63 0.00	39.02 1.79 0.00	38.16 1.82 0.00	38.77 1.99 0.00	40.96 2.21 0.00	45.88 2.27 0.00	49.65 2.50 0.00	54.19 3.31 0.00	59.41 3.52 0.00	59.12 3.29 0.00	56.70 3.01 0.00	50.85 2.51 0.00	45.65 2.17 0.00	41.02 1.80 0.00
WARRENSBURG____ 23737	41.37 2.27 0.00	34.57 1.89 0.00	30.69 1.63 0.00	29.94 1.59 0.00	29.99 1.54 0.00	31.01 1.67 0.00	33.71 1.67 0.00	41.33 1.78 0.00	39.02 1.64 0.00	38.60 1.63 0.00	37.93 1.67 0.00	38.95 1.71 0.00	38.49 2.14 0.00	39.03 2.24 0.00	41.19 2.44 0.00	45.05 1.44 0.00	48.71 1.56 0.00	52.46 1.58 0.00	57.79 1.90 0.00	57.56 1.73 0.00	55.57 1.88 0.00	49.54 1.21 0.00	44.73 1.26 0.00	41.14 1.92 0.00
WATERSIDE____6 8 9 23538	42.08 2.97 -0.01	35.23 2.55 -0.01	31.20 2.12 -0.01	30.57 2.21 -0.01	30.56 2.11 -0.01	31.42 2.08 0.00	34.03 1.99 0.00	41.68 2.14 0.00	39.65 2.28 0.00	39.34 2.37 0.00	38.47 2.21 0.00	39.69 2.46 0.00	38.85 2.51 0.00	39.08 2.69 0.40	40.95 2.91 0.70	46.79 3.18 0.00	50.55 3.40 0.00	54.56 4.43 0.75	60.47 4.58 0.00	59.79 3.96 0.00	57.29 3.60 0.00	51.33 3.00 0.00	46.12 2.65 0.00	41.53 2.31 0.00
WATKINRD_115KV_LN8_ILLION 55919	39.33 0.23 0.00	32.87 0.20 0.00	29.24 0.17 0.00	28.55 0.20 0.00	28.65 0.20 0.00	29.55 0.21 0.00	32.24 0.19 0.00	39.67 0.12 0.00	37.49 0.11 0.00	37.09 0.11 0.00	36.40 0.15 0.00	37.35 0.11 0.00	36.41 0.07 0.00	36.86 0.07 0.00	38.86 0.12 0.00	43.74 0.13 0.00	47.34 0.19 0.00	51.03 0.15 0.00	56.11 0.22 0.00	56.10 0.28 0.00	53.90 0.21 0.00	48.53 0.19 0.00	43.60 0.13 0.00	39.33 0.12 0.00



WDELAWARE___HYD 323627	41.76 2.66 0.00	34.99 2.32 0.00	30.95 1.89 0.00	30.28 1.93 0.00	30.33 1.88 0.00	31.25 1.91 0.00	33.90 1.86 0.00	41.60 2.06 0.00	39.54 2.17 0.00	39.04 2.07 0.00	38.14 1.88 0.00	39.17 1.93 0.00	38.38 2.03 0.00	38.88 2.10 0.00	41.11 2.36 0.00	45.96 2.35 0.00	49.74 2.59 0.00	54.24 3.36 0.00	59.74 3.85 0.00	59.90 4.07 0.00	57.02 3.33 0.00	51.19 2.85 0.00	45.90 2.43 0.00	41.29 2.08 0.00
WEST BABYLON___IC 23714	42.66 3.56 0.00	35.87 3.20 0.00	31.62 2.56 0.00	31.16 2.81 0.00	30.95 2.50 0.00	31.89 2.55 0.00	34.51 2.47 0.00	42.04 2.49 0.00	40.06 2.69 0.00	39.67 2.70 0.00	39.09 2.79 -0.04	39.84 2.61 0.00	38.56 2.22 0.00	39.29 2.50 0.00	41.42 2.67 0.00	46.40 2.79 0.00	50.36 3.21 0.00	55.31 4.43 0.00	60.30 4.42 0.00	59.84 4.02 0.00	57.34 3.65 0.00	51.86 3.53 0.00	46.17 2.70 0.00	41.65 2.43 0.00
WEST CANADA___HYD 24049	39.26 0.16 0.00	32.80 0.13 0.00	29.15 0.09 0.00	28.47 0.11 0.00	28.56 0.11 0.00	29.46 0.12 0.00	32.11 0.06 0.00	39.51 -0.04 0.00	37.34 -0.04 0.00	36.94 -0.04 0.00	36.22 -0.04 0.00	37.20 -0.04 0.00	36.31 -0.04 0.00	36.75 -0.04 0.00	38.71 -0.04 0.00	43.56 -0.04 0.00	47.15 0.00 0.00	50.88 0.00 0.00	56.00 0.11 0.00	55.99 0.17 0.00	53.74 0.05 0.00	48.33 0.00 0.00	43.47 0.00 0.00	39.18 -0.04 0.00
WESTERN_NY_WIND 24143	40.04 0.94 0.00	32.15 -0.52 0.00	29.01 -0.06 0.00	28.07 -0.28 0.00	28.22 -0.23 0.00	28.99 -0.35 0.00	31.28 -0.77 0.00	38.60 -0.95 0.00	36.29 -1.08 0.00	35.64 -1.33 0.00	35.17 -1.09 0.00	35.78 -1.45 0.00	34.96 -1.38 0.00	35.06 -1.73 0.00	36.69 -2.05 0.00	41.65 -1.96 0.00	44.94 -2.22 0.00	47.27 -3.61 0.00	51.98 -3.91 0.00	52.53 -3.29 0.00	50.58 -3.11 0.00	46.16 -2.18 0.00	41.52 -1.96 0.00	38.59 -0.63 0.00
WESTOVER___LESR 323668	39.72 0.63 0.00	32.87 0.20 0.00	29.33 0.26 0.00	28.55 0.20 0.00	28.71 0.26 0.00	29.55 0.21 0.00	32.14 0.10 0.00	39.63 0.08 0.00	37.30 -0.07 0.00	36.83 -0.15 0.00	36.19 -0.07 0.00	37.05 -0.19 0.00	36.12 -0.22 0.00	36.49 -0.29 0.00	38.40 -0.35 0.00	43.30 -0.31 0.00	46.82 -0.33 0.00	50.27 -0.61 0.00	55.22 -0.67 0.00	55.38 -0.45 0.00	53.21 -0.48 0.00	48.00 -0.34 0.00	43.12 -0.35 0.00	39.18 -0.04 0.00
WETHRSFD_WT_PWR 323626	39.61 0.51 0.00	32.11 -0.56 0.00	28.89 -0.17 0.00	28.01 -0.34 0.00	28.25 -0.20 0.00	28.93 -0.41 0.00	31.31 -0.74 0.00	38.71 -0.83 0.00	36.25 -1.12 0.00	35.64 -1.33 0.00	35.14 -1.12 0.00	35.97 -1.27 0.00	34.89 -1.45 0.00	35.06 -1.73 0.00	36.77 -1.97 0.00	41.47 -2.14 0.00	44.70 -2.45 0.00	47.52 -3.36 0.00	52.26 -3.63 0.00	53.20 -2.62 0.00	50.74 -2.95 0.00	45.77 -2.56 0.00	41.34 -2.13 0.00	38.24 -0.98 0.00
WHAVSTOR_138KV_BK127 55557	41.48 2.38 0.00	34.76 2.09 0.00	30.78 1.71 0.00	30.14 1.79 0.00	30.16 1.71 0.00	31.07 1.73 0.00	33.71 1.67 0.00	41.33 1.78 0.00	39.28 1.91 0.00	38.86 1.89 0.00	38.04 1.78 0.00	39.21 1.97 0.00	38.34 2.00 0.00	38.96 2.17 0.00	41.11 2.36 0.00	46.14 2.53 0.00	49.93 2.78 0.00	54.49 3.61 0.00	59.74 3.86 0.00	59.29 3.46 0.00	56.80 3.11 0.00	50.90 2.56 0.00	45.65 2.17 0.00	41.06 1.84 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	41.48 2.38 0.00	34.76 2.09 0.00	30.78 1.71 0.00	30.14 1.79 0.00	30.16 1.71 0.00	31.07 1.73 0.00	33.71 1.67 0.00	41.33 1.78 0.00	39.28 1.91 0.00	38.86 1.89 0.00	38.04 1.78 0.00	39.21 1.97 0.00	38.34 2.00 0.00	38.96 2.17 0.00	41.11 2.36 0.00	46.14 2.53 0.00	49.93 2.78 0.00	54.49 3.61 0.00	59.74 3.86 0.00	59.29 3.46 0.00	56.80 3.11 0.00	50.90 2.56 0.00	45.65 2.17 0.00	41.06 1.84 0.00
WHITEHAL_115KV_TB1 80871	41.91 2.82 0.00	34.99 2.32 0.00	31.07 2.01 0.00	30.31 1.96 0.00	30.36 1.91 0.00	31.39 2.05 0.00	34.16 2.11 0.00	41.80 2.25 0.00	39.43 2.06 0.00	39.01 2.03 0.00	38.29 2.03 0.00	39.32 2.09 0.00	38.78 2.43 0.00	39.32 2.54 0.00	41.54 2.79 0.00	45.66 2.05 0.00	49.42 2.26 0.00	53.32 2.44 0.00	58.79 2.91 0.00	58.56 2.74 0.00	56.64 2.95 0.00	50.36 2.03 0.00	45.47 2.00 0.00	41.69 2.47 0.00
WHITEPLN_13_KV_LOAD 356215	41.91 2.82 0.00	35.12 2.45 0.00	31.10 2.03 0.00	30.42 2.07 0.00	30.44 1.99 0.00	31.37 2.02 0.00	34.03 1.99 0.00	41.72 2.18 0.00	39.69 2.32 0.00	39.30 2.33 0.00	38.54 2.28 0.00	39.77 2.53 0.00	38.89 2.54 0.00	39.51 2.72 0.00	41.73 2.98 0.00	46.92 3.31 0.00	50.78 3.63 0.00	55.51 4.63 0.00	60.86 4.97 0.00	60.18 4.35 0.00	57.72 4.03 0.00	51.62 3.29 0.00	46.30 2.83 0.00	41.61 2.39 0.00
WM_FLOYD_69_KV_BK2 356380	42.58 3.48 0.00	35.84 3.17 0.00	31.57 2.50 0.00	31.19 2.84 0.00	30.92 2.48 0.00	31.83 2.49 0.00	34.45 2.40 0.00	41.92 2.37 0.00	39.99 2.62 0.00	39.56 2.59 0.00	38.88 2.61 -0.01	39.65 2.42 0.00	38.23 1.89 0.00	38.95 2.17 0.00	41.07 2.32 0.00	46.22 2.62 0.00	50.17 3.02 0.00	55.25 4.38 0.00	60.25 4.36 0.00	59.84 4.02 0.00	57.34 3.65 0.00	51.86 3.53 0.00	46.17 2.70 0.00	41.57 2.35 0.00
WOODARD___115KV_TB2 355635	39.02 -0.08 0.00	32.44 -0.23 0.00	28.92 -0.15 0.00	28.18 -0.17 0.00	28.31 -0.14 0.00	29.16 -0.18 0.00	31.79 -0.26 0.00	39.03 -0.51 0.00	36.78 -0.60 0.00	36.42 -0.55 0.00	35.75 -0.51 0.00	36.64 -0.60 0.00	35.72 -0.62 0.00	36.09 -0.70 0.00	38.01 -0.74 0.00	42.87 -0.74 0.00	46.30 -0.85 0.00	49.81 -1.07 0.00	54.55 -1.34 0.00	54.60 -1.23 0.00	52.51 -1.18 0.00	47.37 -0.97 0.00	42.52 -0.96 0.00	38.47 -0.75 0.00
WOODMERE_69_KV_BK1 55827	42.50 3.40 0.00	35.71 3.04 0.00	31.51 2.44 0.00	31.02 2.67 0.00	30.84 2.39 0.00	31.81 2.46 0.00	34.45 2.40 0.00	42.00 2.45 0.00	40.03 2.65 0.00	39.64 2.66 0.00	39.36 2.79 -0.31	39.91 2.68 0.00	38.85 2.47 -0.04	39.51 2.69 -0.04	41.65 2.91 0.00	46.75 3.14 0.00	50.64 3.49 0.00	55.62 4.68 -0.06	60.64 4.75 0.00	60.12 4.30 0.00	57.66 3.97 0.00	51.96 3.63 0.00	46.34 2.87 0.00	41.73 2.51 0.00
YORK___WARBASSE 23770	42.35 3.25 -0.01	35.46 2.78 -0.01	31.40 2.33 -0.01	30.77 2.41 -0.01	30.76 2.30 -0.01	31.64 2.29 -0.01	34.22 2.18 0.00	41.92 2.37 0.00	39.88 2.50 0.00	39.57 2.59 -0.01	38.73 2.47 -0.01	39.93 2.68 -0.02	39.05 2.69 -0.02	42.43 2.87 -2.78	46.77 3.10 -4.93	47.06 3.45 -0.01	50.83 3.68 0.00	59.53 4.78 -3.87	60.86 4.97 0.00	60.07 4.24 0.00	57.55 3.87 0.00	51.57 3.24 0.00	46.39 2.91 -0.01	41.81 2.59 -0.01