

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

04/06/2025

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	39.67	37.29	36.95	36.12	35.55	34.56	35.92	37.32	40.52	41.84	45.52	43.35	41.22	37.50	37.89	39.26	39.26	47.67	54.12	61.98	60.69	52.46	47.53	42.20
24138	1.49	1.50	1.08	1.15	1.17	1.58	1.68	1.71	2.04	2.22	2.41	2.57	2.33	2.22	2.25	2.38	2.50	2.78	3.01	3.45	2.78	2.07	1.70	1.43
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	39.67	37.33	37.17	36.19	35.65	34.59	35.95	37.32	40.52	41.84	45.70	43.35	41.22	37.53	36.97	37.86	39.26	47.67	54.17	61.98	60.69	52.51	47.53	42.00
24260	1.49	1.54	1.29	1.22	1.27	1.62	1.71	1.71	2.04	2.22	2.59	2.57	2.33	2.26	2.29	2.34	2.50	2.78	3.07	3.45	2.78	2.12	1.70	1.22
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	39.67	37.33	37.17	36.19	35.65	34.59	35.95	37.32	40.52	41.84	45.70	43.35	41.22	37.53	36.97	37.86	39.26	47.67	54.17	61.98	60.69	52.51	47.53	42.00
24261	1.49	1.54	1.29	1.22	1.27	1.62	1.71	1.71	2.04	2.22	2.59	2.57	2.33	2.26	2.29	2.34	2.50	2.78	3.07	3.45	2.78	2.12	1.70	1.22
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	39.83	37.44	37.42	36.51	35.89	34.56	35.85	37.36	40.37	41.72	45.48	42.94	40.76	36.93	36.28	37.08	38.56	47.09	53.66	62.10	61.09	52.76	47.71	42.41
24011	1.64	1.65	1.54	1.54	1.51	1.58	1.61	1.74	1.89	2.10	2.37	2.16	1.87	1.66	1.60	1.56	1.80	2.20	2.56	3.57	3.18	2.37	1.88	1.63
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	39.98	37.58	37.56	36.65	36.03	34.69	35.99	37.50	40.52	41.88	45.56	43.06	40.87	37.04	36.38	37.22	38.67	47.27	53.91	62.51	61.50	53.06	47.94	42.62
23798	1.80	1.79	1.69	1.68	1.65	1.71	1.75	1.89	2.04	2.26	2.46	2.28	1.98	1.76	1.70	1.70	1.91	2.38	2.81	3.98	3.59	2.67	2.11	1.84
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	39.83	37.44	37.42	36.51	35.89	34.56	35.85	37.36	40.37	41.72	45.48	42.94	40.76	36.93	36.28	37.08	38.56	47.09	53.66	62.10	61.09	52.76	47.71	42.41
24028	1.64	1.65	1.54	1.54	1.51	1.58	1.61	1.74	1.89	2.10	2.37	2.16	1.87	1.66	1.60	1.56	1.80	2.20	2.56	3.57	3.18	2.37	1.88	1.63
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	39.06	36.76	36.66	35.88	35.27	34.03	35.34	36.72	39.68	40.81	44.53	42.33	40.13	36.54	36.03	36.83	38.23	46.33	52.59	60.28	59.18	51.35	46.48	41.07
23527	0.88	0.97	0.79	0.91	0.89	1.05	1.10	1.11	1.19	1.19	1.42	1.55	1.24	1.27	1.35	1.31	1.47	1.44	1.48	1.75	1.27	0.96	0.64	0.29
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP	38.03	35.76	35.77	34.93	34.38	33.11	34.38	35.65	38.45	39.62	43.15	40.94	38.93	35.42	34.89	35.66	36.98	44.80	50.90	58.53	57.44	49.84	45.19	40.21
24190	-0.15	-0.04	-0.11	-0.03	0.00	0.13	0.14	0.04	-0.04	0.00	0.04	0.16	0.04	0.14	0.21	0.14	0.22	-0.09	-0.20	0.00	-0.46	-0.55	-0.64	-0.57
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	38.22	35.86	36.05	35.18	34.55	32.78	33.97	35.29	38.10	39.14	42.63	40.17	38.35	34.75	34.13	34.95	36.17	44.35	50.54	58.12	57.73	50.39	45.88	40.94
355683	0.04	0.07	0.18	0.21	0.17	-0.20	-0.27	-0.32	-0.38	-0.48	-0.47	-0.61	-0.54	-0.53	-0.55	-0.57	-0.59	-0.54	-0.56	-0.41	-0.17	0.00	0.05	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	38.87	36.51	36.55	35.67	35.06	33.73	35.03	36.32	39.21	40.37	43.80	41.51	39.43	35.84	35.27	36.08	37.42	45.56	51.92	59.82	58.83	51.05	46.29	41.19
323833	0.69	0.72	0.68	0.70	0.69	0.76	0.79	0.71	0.73	0.75	0.69	0.73	0.54	0.56	0.59	0.57	0.66	0.67	0.82	1.29	0.92	0.65	0.46	0.41
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	38.87	36.51	36.55	35.67	35.03	33.73	34.99	36.32	39.21	40.37	43.80	41.51	39.43	35.84	35.27	36.05	37.42	45.56	51.92	59.82	58.83	51.05	46.29	41.19
323834	0.69	0.72	0.68	0.70	0.65	0.76	0.75	0.71	0.73	0.75	0.69	0.73	0.54	0.56	0.59	0.53	0.66	0.67	0.82	1.29	0.92	0.65	0.46	0.41
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	38.03	35.76	35.77	34.93	34.38	33.11	34.38	35.65	38.45	39.62	43.15	40.94	38.93	35.42	34.89	35.66	36.98	44.80	50.90	58.53	57.44	49.84	45.19	40.21
23571	-0.15	-0.04	-0.11	-0.03	0.00	0.13	0.14	0.04	-0.04	0.00	0.04	0.16	0.04	0.14	0.21	0.14	0.22	-0.09	-0.20	0.00	-0.46	-0.55	-0.64	-0.57
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	38.03 -0.15 0.00	35.76 -0.04 0.00	35.77 -0.11 0.00	34.93 -0.03 0.00	34.38 0.00 0.00	33.11 0.13 0.00	34.38 0.14 0.00	35.65 0.04 0.00	38.45 -0.04 0.00	39.62 0.00 0.00	43.15 0.04 0.00	40.94 0.16 0.00	38.93 0.04 0.00	35.42 0.14 0.00	34.89 0.21 0.00	35.66 0.14 0.00	36.98 0.22 0.00	44.80 -0.09 0.00	50.90 -0.20 0.00	58.53 0.00 0.00	57.44 -0.46 0.00	49.84 -0.55 0.00	45.19 -0.64 0.00	40.21 -0.57 0.00
ALBANY___3 23573	38.03 -0.15 0.00	35.76 -0.04 0.00	35.77 -0.11 0.00	34.93 -0.03 0.00	34.38 0.00 0.00	33.11 0.13 0.00	34.38 0.14 0.00	35.65 0.04 0.00	38.45 -0.04 0.00	39.62 0.00 0.00	43.15 0.04 0.00	40.94 0.16 0.00	38.93 0.04 0.00	35.42 0.14 0.00	34.89 0.21 0.00	35.66 0.14 0.00	36.98 0.22 0.00	44.80 -0.09 0.00	50.90 -0.20 0.00	58.53 0.00 0.00	57.44 -0.46 0.00	49.84 -0.55 0.00	45.19 -0.64 0.00	40.21 -0.57 0.00
ALBANY___4 23574	38.03 -0.15 0.00	35.76 -0.04 0.00	35.77 -0.11 0.00	34.93 -0.03 0.00	34.38 0.00 0.00	33.11 0.13 0.00	34.38 0.14 0.00	35.65 0.04 0.00	38.45 -0.04 0.00	39.62 0.00 0.00	43.15 0.04 0.00	40.94 0.16 0.00	38.93 0.04 0.00	35.42 0.14 0.00	34.89 0.21 0.00	35.66 0.14 0.00	36.98 0.22 0.00	44.80 -0.09 0.00	50.90 -0.20 0.00	58.53 0.00 0.00	57.44 -0.46 0.00	49.84 -0.55 0.00	45.19 -0.64 0.00	40.21 -0.57 0.00
ALBANY___LFGE 323615	38.38 0.19 0.00	36.08 0.29 0.00	36.06 0.18 0.00	35.25 0.28 0.00	34.62 0.24 0.00	33.37 0.40 0.00	34.65 0.41 0.00	35.93 0.32 0.00	38.79 0.31 0.00	40.01 0.40 0.00	43.45 0.34 0.00	41.31 0.53 0.00	39.32 0.43 0.00	35.77 0.49 0.00	35.20 0.52 0.00	35.98 0.46 0.00	37.31 0.55 0.00	45.21 0.32 0.00	51.41 0.31 0.00	59.11 0.59 0.00	58.08 0.17 0.00	50.39 0.00 0.00	45.65 -0.18 0.00	40.62 -0.16 0.00
ALCOA_PA_115KV_PL-6C 55860	38.41 0.23 0.00	36.04 0.25 0.00	36.20 0.32 0.00	35.32 0.35 0.00	34.72 0.34 0.00	32.94 -0.03 0.00	34.07 -0.17 0.00	35.43 -0.18 0.00	38.21 -0.27 0.00	39.26 -0.36 0.00	42.76 -0.34 0.00	40.29 -0.49 0.00	38.46 -0.43 0.00	34.82 -0.46 0.00	34.23 -0.45 0.00	35.02 -0.50 0.00	36.24 -0.51 0.00	44.49 -0.40 0.00	50.80 -0.31 0.00	58.41 -0.12 0.00	58.08 0.17 0.00	50.70 0.30 0.00	46.16 0.32 0.00	41.15 0.37 0.00
ALCOA_RYNLDS___DRP 24188	38.41 0.23 0.00	36.04 0.25 0.00	36.20 0.32 0.00	35.32 0.35 0.00	34.72 0.34 0.00	32.94 -0.03 0.00	34.07 -0.17 0.00	35.43 -0.18 0.00	38.21 -0.27 0.00	39.26 -0.36 0.00	42.76 -0.34 0.00	40.29 -0.49 0.00	38.46 -0.43 0.00	34.82 -0.46 0.00	34.23 -0.45 0.00	35.02 -0.50 0.00	36.24 -0.51 0.00	44.49 -0.40 0.00	50.80 -0.31 0.00	58.41 -0.12 0.00	58.08 0.17 0.00	50.70 0.30 0.00	46.16 0.32 0.00	41.15 0.37 0.00
ALCOA___DSASP 323711	38.42 0.23 0.00	36.04 0.25 0.00	36.20 0.32 0.00	35.32 0.35 0.00	34.72 0.34 0.00	32.91 -0.07 0.00	34.07 -0.17 0.00	35.43 -0.18 0.00	38.22 -0.27 0.00	39.26 -0.36 0.00	42.72 -0.39 0.00	40.25 -0.53 0.00	38.46 -0.43 0.00	34.82 -0.46 0.00	34.23 -0.45 0.00	35.02 -0.50 0.00	36.24 -0.51 0.00	44.49 -0.40 0.00	50.80 -0.30 0.00	58.41 -0.12 0.00	58.08 0.17 0.00	50.70 0.30 0.00	46.16 0.32 0.00	41.14 0.37 0.00
ALLEGHENY___COGEN 23514	39.37 1.19 0.00	36.40 0.61 0.00	36.59 0.72 0.00	35.25 0.28 0.00	34.72 0.34 0.00	33.87 0.89 0.00	35.37 1.13 0.00	36.86 1.25 0.00	39.41 0.92 0.00	40.21 0.60 0.00	43.33 0.22 0.00	40.49 -0.28 0.00	38.85 -0.04 0.00	35.10 -0.18 0.00	34.47 -0.21 0.00	35.37 -0.14 0.00	36.57 -0.18 0.00	45.34 0.45 0.00	52.07 0.97 0.00	60.75 2.22 0.00	60.63 2.72 0.00	52.96 2.57 0.00	48.77 2.94 0.00	43.51 2.73 0.00
ALTAMONT_115KV_TB 2 55880	38.57 0.38 0.00	36.22 0.43 0.00	36.23 0.36 0.00	35.39 0.42 0.00	34.79 0.41 0.00	33.50 0.53 0.00	34.76 0.51 0.00	36.11 0.50 0.00	38.98 0.50 0.00	40.17 0.55 0.00	43.80 0.69 0.00	41.43 0.65 0.00	39.43 0.54 0.00	35.84 0.56 0.00	35.30 0.62 0.00	36.12 0.60 0.00	37.46 0.70 0.00	45.52 0.63 0.00	51.82 0.72 0.00	59.58 1.05 0.00	58.49 0.58 0.00	50.80 0.40 0.00	46.06 0.23 0.00	40.94 0.16 0.00
ALTONA_WT_PWR 323606	37.84 -0.34 0.00	35.68 -0.11 0.00	36.02 0.14 0.00	35.22 0.25 0.00	34.65 0.27 0.00	32.94 -0.03 0.00	34.21 -0.03 0.00	35.54 -0.07 0.00	38.17 -0.31 0.00	38.94 -0.67 0.00	42.29 -0.82 0.00	39.72 -1.06 0.00	37.88 -1.01 0.00	34.22 -1.06 0.00	33.57 -1.11 0.00	34.38 -1.14 0.00	35.73 -1.03 0.00	44.08 -0.81 0.00	50.59 -0.51 0.00	58.59 0.06 0.00	58.60 0.70 0.00	51.35 0.96 0.00	46.75 0.92 0.00	41.80 1.02 0.00
AMERICAN_REF_FUEL 24010	37.08 -1.11 0.00	34.07 -1.72 0.00	34.37 -1.51 0.00	32.98 -1.99 0.00	32.62 -1.75 0.00	31.95 -1.02 0.00	33.56 -0.68 0.00	34.86 -0.75 0.00	37.56 -0.92 0.00	38.55 -1.07 0.00	41.69 -1.42 0.00	39.15 -1.63 0.00	38.07 -0.82 0.00	34.47 -0.81 0.00	33.75 -0.93 0.00	34.34 -1.17 0.00	35.10 -1.65 0.00	42.78 -2.11 0.00	48.14 -2.97 0.00	55.60 -2.92 0.00	55.13 -2.78 0.00	48.53 -1.86 0.00	45.38 -0.46 0.00	41.47 0.69 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	39.10 0.91 0.00	35.94 0.14 0.00	35.95 0.07 0.00	34.41 -0.56 0.00	33.97 -0.41 0.00	33.27 0.30 0.00	34.89 0.65 0.00	36.54 0.92 0.00	39.41 0.92 0.00	40.57 0.95 0.00	43.97 0.86 0.00	41.35 0.57 0.00	40.33 1.44 0.00	36.48 1.20 0.00	35.69 1.01 0.00	36.29 0.78 0.00	37.13 0.37 0.00	45.56 0.67 0.00	51.51 0.41 0.00	59.82 1.29 0.00	59.12 1.22 0.00	51.86 1.46 0.00	48.35 2.52 0.00	43.80 3.02 0.00
ARTHUR KILL_GT_1 23520	56.29 1.57 -16.54	56.28 1.61 -18.88	56.32 1.25 -19.19	53.26 1.33 -16.96	55.13 1.31 -19.45	37.63 1.71 -2.94	55.63 1.81 -19.58	56.28 1.74 -18.92	57.04 2.00 -16.55	57.79 2.14 -16.03	58.56 2.28 -13.16	58.55 2.41 -15.37	58.55 2.22 -17.44	57.03 2.19 -19.57	57.06 2.29 -20.09	57.07 4.19 -17.36	57.23 2.50 -17.97	60.36 2.65 -12.82	61.20 2.86 -7.24	64.80 3.16 -3.11	64.09 2.55 -3.63	60.37 2.02 -7.96	59.91 1.79 -12.29	56.33 0.98 -14.57
ARTHUR_KILL_2 23512	56.21 1.49 -16.54	56.21 1.54 -18.88	56.21 1.15 -19.19	53.15 1.22 -16.96	55.06 1.24 -19.45	37.53 1.62 -2.94	55.53 1.71 -19.58	56.21 1.67 -18.92	56.96 1.92 -16.55	57.71 2.06 -16.03	58.47 2.20 -13.16	58.47 2.32 -15.37	58.47 2.14 -17.44	56.96 2.12 -19.57	56.96 2.19 -20.09	56.96 4.08 -17.36	57.16 2.43 -17.97	60.22 2.51 -12.82	61.05 2.71 -7.24	64.62 2.98 -3.11	63.92 2.38 -3.63	60.22 1.87 -7.96	59.77 1.65 -12.29	56.21 0.86 -14.57
ARTHUR_KILL_3 23513	55.90 1.19 -16.53	55.92 1.25 -18.87	55.88 0.83 -19.18	52.83 0.91 -16.95	54.75 0.93 -19.44	37.26 1.35 -2.93	55.25 1.44 -19.57	55.95 1.43 -18.92	56.72 1.69 -16.54	57.51 1.86 -16.03	58.33 2.07 -13.16	58.34 2.20 -15.36	58.31 1.98 -17.43	56.74 1.90 -19.56	56.78 2.01 -20.09	54.75 1.88 -17.35	56.97 2.24 -17.97	60.08 2.38 -12.81	60.89 2.55 -7.23	64.56 2.93 -3.10	63.79 2.26 -3.63	59.96 1.61 -7.95	59.40 1.28 -12.28	56.40 1.06 -14.57



ARTHUR_KILL_COGEN 323718	56.29 1.57 -16.54	56.28 1.61 -18.88	56.32 1.25 -19.19	53.26 1.33 -16.96	55.13 1.31 -19.45	37.63 1.71 -2.94	55.63 1.81 -19.58	56.28 1.74 -18.92	57.04 2.00 -16.55	57.79 2.14 -16.03	58.56 2.28 -13.16	58.55 2.41 -15.37	58.55 2.22 -17.44	57.03 2.19 -19.57	57.06 2.29 -20.09	57.07 4.19 -17.36	57.23 2.50 -17.97	60.36 2.65 -12.82	61.20 2.86 -7.24	64.80 3.16 -3.11	64.09 2.55 -3.63	60.37 2.02 -7.96	59.91 1.79 -12.29	56.33 0.98 -14.57
ASHOKAN____ 23654	39.33 1.14 0.00	36.97 1.18 0.00	36.84 0.97 0.00	35.98 1.01 0.00	35.34 0.96 0.00	34.10 1.12 0.00	35.41 1.16 0.00	36.57 0.96 0.00	39.60 1.12 0.00	40.81 1.19 0.00	44.40 1.29 0.00	41.96 1.18 0.00	39.82 0.93 0.00	36.12 0.85 0.00	35.65 0.97 0.00	36.51 0.99 0.00	37.97 1.21 0.00	46.42 1.53 0.00	52.84 1.74 0.00	60.93 2.40 0.00	60.05 2.14 0.00	51.80 1.41 0.00	47.02 1.19 0.00	41.84 1.06 0.00
ASTORIA_EAST_ENERGY_CC1 323581	39.22 1.03 0.00	36.90 1.11 0.00	36.52 0.65 0.00	35.70 0.74 0.01	35.12 0.76 0.01	34.22 1.25 0.01	35.60 1.37 0.01	36.88 1.28 0.01	40.09 1.62 0.01	41.39 1.78 0.01	45.00 1.89 0.01	42.85 2.08 0.01	40.75 1.87 0.01	37.17 1.90 0.01	36.65 1.98 0.01	37.85 2.34 0.01	38.88 2.13 0.01	47.13 2.24 0.01	53.45 2.35 0.01	61.09 2.57 0.01	59.81 1.91 0.01	51.79 1.41 0.01	46.93 1.10 0.01	41.42 0.65 0.01
ASTORIA_EAST_ENERGY_CC2 323582	39.22 1.03 0.00	36.90 1.11 0.00	36.52 0.65 0.00	35.70 0.74 0.01	35.12 0.76 0.01	34.22 1.25 0.01	35.60 1.37 0.01	36.88 1.28 0.01	40.09 1.62 0.01	41.39 1.78 0.01	45.00 1.89 0.01	42.85 2.08 0.01	40.75 1.87 0.01	37.17 1.90 0.01	36.65 1.98 0.01	37.85 2.34 0.01	38.88 2.13 0.01	47.13 2.24 0.01	53.45 2.35 0.01	61.09 2.57 0.01	59.81 1.91 0.01	51.79 1.41 0.01	46.93 1.10 0.01	41.42 0.65 0.01
ASTORIA_GT2_1 24094	39.25 1.07 0.00	36.90 1.11 0.00	36.70 0.83 0.00	35.77 0.80 0.00	35.20 0.83 0.00	34.26 1.29 0.00	35.61 1.37 0.00	36.93 1.32 0.00	40.14 1.65 0.00	41.44 1.82 0.00	45.18 2.07 0.00	42.86 2.08 0.00	40.80 1.91 0.00	37.22 1.94 0.00	36.66 1.98 0.00	37.54 2.02 0.00	38.93 2.17 0.00	47.18 2.29 0.00	53.51 2.40 0.00	61.05 2.52 0.00	59.88 1.97 0.00	51.80 1.41 0.00	46.89 1.05 0.00	41.43 0.65 0.00
ASTORIA_GT2_2 24095	39.25 1.07 0.00	36.90 1.11 0.00	36.70 0.83 0.00	35.77 0.80 0.00	35.20 0.83 0.00	34.26 1.29 0.00	35.61 1.37 0.00	36.93 1.32 0.00	40.14 1.65 0.00	41.44 1.82 0.00	45.18 2.07 0.00	42.86 2.08 0.00	40.80 1.91 0.00	37.22 1.94 0.00	36.66 1.98 0.00	37.54 2.02 0.00	38.93 2.17 0.00	47.18 2.29 0.00	53.51 2.40 0.00	61.05 2.52 0.00	59.88 1.97 0.00	51.80 1.41 0.00	46.89 1.05 0.00	41.43 0.65 0.00
ASTORIA_GT2_3 24096	39.25 1.07 0.00	36.90 1.11 0.00	36.70 0.83 0.00	35.77 0.80 0.00	35.20 0.83 0.00	34.26 1.29 0.00	35.61 1.37 0.00	36.93 1.32 0.00	40.14 1.65 0.00	41.44 1.82 0.00	45.18 2.07 0.00	42.86 2.08 0.00	40.80 1.91 0.00	37.22 1.94 0.00	36.66 1.98 0.00	37.54 2.02 0.00	38.93 2.17 0.00	47.18 2.29 0.00	53.51 2.40 0.00	61.05 2.52 0.00	59.88 1.97 0.00	51.80 1.41 0.00	46.89 1.05 0.00	41.43 0.65 0.00
ASTORIA_GT2_4 24097	39.25 1.07 0.00	36.90 1.11 0.00	36.70 0.83 0.00	35.77 0.80 0.00	35.20 0.83 0.00	34.26 1.29 0.00	35.61 1.37 0.00	36.93 1.32 0.00	40.14 1.65 0.00	41.44 1.82 0.00	45.18 2.07 0.00	42.86 2.08 0.00	40.80 1.91 0.00	37.22 1.94 0.00	36.66 1.98 0.00	37.54 2.02 0.00	38.93 2.17 0.00	47.18 2.29 0.00	53.51 2.40 0.00	61.05 2.52 0.00	59.88 1.97 0.00	51.80 1.41 0.00	46.89 1.05 0.00	41.43 0.65 0.00
ASTORIA_GT3_1 24098	39.25 1.07 0.00	36.90 1.11 0.00	36.70 0.83 0.00	35.77 0.80 0.00	35.20 0.83 0.00	34.26 1.29 0.00	35.61 1.37 0.00	36.93 1.32 0.00	40.14 1.65 0.00	41.44 1.82 0.00	45.18 2.07 0.00	42.86 2.08 0.00	40.80 1.91 0.00	37.22 1.94 0.00	36.66 1.98 0.00	37.54 2.02 0.00	38.93 2.17 0.00	47.18 2.29 0.00	53.51 2.40 0.00	61.05 2.52 0.00	59.88 1.97 0.00	51.80 1.41 0.00	46.89 1.05 0.00	41.43 0.65 0.00
ASTORIA_GT3_2 24099	39.25 1.07 0.00	36.90 1.11 0.00	36.70 0.83 0.00	35.77 0.80 0.00	35.20 0.83 0.00	34.26 1.29 0.00	35.61 1.37 0.00	36.93 1.32 0.00	40.14 1.65 0.00	41.44 1.82 0.00	45.18 2.07 0.00	42.86 2.08 0.00	40.80 1.91 0.00	37.22 1.94 0.00	36.66 1.98 0.00	37.54 2.02 0.00	38.93 2.17 0.00	47.18 2.29 0.00	53.51 2.40 0.00	61.05 2.52 0.00	59.88 1.97 0.00	51.80 1.41 0.00	46.89 1.05 0.00	41.43 0.65 0.00
ASTORIA_GT3_3 24100	39.25 1.07 0.00	36.90 1.11 0.00	36.70 0.83 0.00	35.77 0.80 0.00	35.20 0.83 0.00	34.26 1.29 0.00	35.61 1.37 0.00	36.93 1.32 0.00	40.14 1.65 0.00	41.44 1.82 0.00	45.18 2.07 0.00	42.86 2.08 0.00	40.80 1.91 0.00	37.22 1.94 0.00	36.66 1.98 0.00	37.54 2.02 0.00	38.93 2.17 0.00	47.18 2.29 0.00	53.51 2.40 0.00	61.05 2.52 0.00	59.88 1.97 0.00	51.80 1.41 0.00	46.89 1.05 0.00	41.43 0.65 0.00
ASTORIA_GT3_4 24101	39.25 1.07 0.00	36.90 1.11 0.00	36.70 0.83 0.00	35.77 0.80 0.00	35.20 0.83 0.00	34.26 1.29 0.00	35.61 1.37 0.00	36.93 1.32 0.00	40.14 1.65 0.00	41.44 1.82 0.00	45.18 2.07 0.00	42.86 2.08 0.00	40.80 1.91 0.00	37.22 1.94 0.00	36.66 1.98 0.00	37.54 2.02 0.00	38.93 2.17 0.00	47.18 2.29 0.00	53.51 2.40 0.00	61.05 2.52 0.00	59.88 1.97 0.00	51.80 1.41 0.00	46.89 1.05 0.00	41.43 0.65 0.00
ASTORIA_GT4_1 24102	39.25 1.07 0.00	36.90 1.11 0.00	36.70 0.83 0.00	35.77 0.80 0.00	35.20 0.83 0.00	34.26 1.29 0.00	35.61 1.37 0.00	36.93 1.32 0.00	40.14 1.65 0.00	41.44 1.82 0.00	45.18 2.07 0.00	42.86 2.08 0.00	40.80 1.91 0.00	37.22 1.94 0.00	36.66 1.98 0.00	37.54 2.02 0.00	38.93 2.17 0.00	47.18 2.29 0.00	53.51 2.40 0.00	61.05 2.52 0.00	59.88 1.97 0.00	51.80 1.41 0.00	46.89 1.05 0.00	41.43 0.65 0.00
ASTORIA_GT4_2 24103	39.25 1.07 0.00	36.90 1.11 0.00	36.70 0.83 0.00	35.77 0.80 0.00	35.20 0.83 0.00	34.26 1.29 0.00	35.61 1.37 0.00	36.93 1.32 0.00	40.14 1.65 0.00	41.44 1.82 0.00	45.18 2.07 0.00	42.86 2.08 0.00	40.80 1.91 0.00	37.22 1.94 0.00	36.66 1.98 0.00	37.54 2.02 0.00	38.93 2.17 0.00	47.18 2.29 0.00	53.51 2.40 0.00	61.05 2.52 0.00	59.88 1.97 0.00	51.80 1.41 0.00	46.89 1.05 0.00	41.43 0.65 0.00
ASTORIA_GT4_3 24104	39.25 1.07 0.00	36.90 1.11 0.00	36.70 0.83 0.00	35.77 0.80 0.00	35.20 0.83 0.00	34.26 1.29 0.00	35.61 1.37 0.00	36.93 1.32 0.00	40.14 1.65 0.00	41.44 1.82 0.00	45.18 2.07 0.00	42.86 2.08 0.00	40.80 1.91 0.00	37.22 1.94 0.00	36.66 1.98 0.00	37.54 2.02 0.00	38.93 2.17 0.00	47.18 2.29 0.00	53.51 2.40 0.00	61.05 2.52 0.00	59.88 1.97 0.00	51.80 1.41 0.00	46.89 1.05 0.00	41.43 0.65 0.00



ASTORIA_GT4_4 24105	39.25 1.07 0.00	36.90 1.11 0.00	36.70 0.83 0.00	35.77 0.80 0.00	35.20 0.83 0.00	34.26 1.29 0.00	35.61 1.37 0.00	36.93 1.32 0.00	40.14 1.65 0.00	41.44 1.82 0.00	45.18 2.07 0.00	42.86 2.08 0.00	40.80 1.91 0.00	37.22 1.94 0.00	36.66 1.98 0.00	37.54 2.02 0.00	38.93 2.17 0.00	47.18 2.29 0.00	53.51 2.40 0.00	61.05 2.52 0.00	59.88 1.97 0.00	51.80 1.41 0.00	46.89 1.05 0.00	41.43 0.65 0.00
ASTORIA_GT_1 23523	39.29 1.11 0.00	36.97 1.18 0.00	36.59 0.72 0.00	35.77 0.80 0.01	35.19 0.82 0.01	34.29 1.32 0.01	35.67 1.44 0.01	36.96 1.35 0.01	40.21 1.73 0.01	41.47 1.86 0.01	45.08 1.98 0.01	42.93 2.16 0.01	40.86 1.98 0.01	37.24 1.97 0.01	36.72 2.05 0.01	37.92 2.42 0.01	38.95 2.21 0.01	47.21 2.33 0.01	53.60 2.50 0.01	61.22 2.69 0.01	59.98 2.08 0.01	51.90 1.51 0.01	47.02 1.19 0.01	41.51 0.73 0.01
ASTORIA_GT_10 24110	39.56 1.37 0.00	37.19 1.40 0.00	37.02 1.15 0.00	36.05 1.08 0.00	35.51 1.13 0.00	34.46 1.48 0.00	35.85 1.61 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.44 2.33 0.00	43.14 2.37 0.00	41.03 2.14 0.00	37.39 2.12 0.00	36.83 2.15 0.00	37.75 2.24 0.00	39.15 2.39 0.00	47.45 2.56 0.00	53.81 2.71 0.00	61.46 2.93 0.00	60.28 2.37 0.00	52.21 1.81 0.00	47.26 1.42 0.00	41.80 1.02 0.00
ASTORIA_GT_11 24225	39.56 1.37 0.00	37.19 1.40 0.00	37.02 1.15 0.00	36.05 1.08 0.00	35.51 1.13 0.00	34.46 1.48 0.00	35.85 1.61 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.44 2.33 0.00	43.14 2.37 0.00	41.03 2.14 0.00	37.39 2.12 0.00	36.83 2.15 0.00	37.75 2.24 0.00	39.15 2.39 0.00	47.45 2.56 0.00	53.81 2.71 0.00	61.46 2.93 0.00	60.28 2.37 0.00	52.21 1.81 0.00	47.26 1.42 0.00	41.80 1.02 0.00
ASTORIA_GT_12 24226	39.56 1.37 0.00	37.19 1.40 0.00	37.02 1.15 0.00	36.05 1.08 0.00	35.51 1.13 0.00	34.46 1.48 0.00	35.85 1.61 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.44 2.33 0.00	43.14 2.37 0.00	41.03 2.14 0.00	37.39 2.12 0.00	36.83 2.15 0.00	37.75 2.24 0.00	39.15 2.39 0.00	47.45 2.56 0.00	53.81 2.71 0.00	61.46 2.93 0.00	60.28 2.37 0.00	52.21 1.81 0.00	47.26 1.42 0.00	41.80 1.02 0.00
ASTORIA_GT_13 24227	39.56 1.37 0.00	37.19 1.40 0.00	37.02 1.15 0.00	36.05 1.08 0.00	35.51 1.13 0.00	34.46 1.48 0.00	35.85 1.61 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.44 2.33 0.00	43.14 2.37 0.00	41.03 2.14 0.00	37.39 2.12 0.00	36.83 2.15 0.00	37.75 2.24 0.00	39.15 2.39 0.00	47.45 2.56 0.00	53.81 2.71 0.00	61.46 2.93 0.00	60.28 2.37 0.00	52.21 1.81 0.00	47.26 1.42 0.00	41.80 1.02 0.00
ASTORIA_GT_5 24106	39.29 1.11 0.00	36.97 1.18 0.00	36.77 0.90 0.00	35.81 0.84 0.00	35.27 0.89 0.00	34.29 1.32 0.00	35.68 1.44 0.00	36.96 1.35 0.00	40.22 1.73 0.00	41.48 1.86 0.00	45.26 2.16 0.00	42.94 2.16 0.00	40.87 1.98 0.00	37.29 2.01 0.00	36.73 2.05 0.00	37.61 2.10 0.00	38.96 2.21 0.00	47.22 2.33 0.00	53.61 2.50 0.00	61.16 2.63 0.00	59.99 2.08 0.00	51.90 1.51 0.00	46.98 1.15 0.00	41.51 0.73 0.00
ASTORIA_GT_7 24107	39.29 1.11 0.00	36.97 1.18 0.00	36.77 0.90 0.00	35.81 0.84 0.00	35.27 0.89 0.00	34.29 1.32 0.00	35.68 1.44 0.00	36.96 1.35 0.00	40.22 1.73 0.00	41.48 1.86 0.00	45.26 2.16 0.00	42.94 2.16 0.00	40.87 1.98 0.00	37.29 2.01 0.00	36.73 2.05 0.00	37.61 2.10 0.00	38.96 2.21 0.00	47.22 2.33 0.00	53.61 2.50 0.00	61.16 2.63 0.00	59.99 2.08 0.00	51.90 1.51 0.00	46.98 1.15 0.00	41.51 0.73 0.00
ASTORIA_GT_8 24108	39.29 1.11 0.00	36.97 1.18 0.00	36.77 0.90 0.00	35.81 0.84 0.00	35.27 0.89 0.00	34.29 1.32 0.00	35.68 1.44 0.00	36.96 1.35 0.00	40.22 1.73 0.00	41.48 1.86 0.00	45.26 2.16 0.00	42.94 2.16 0.00	40.87 1.98 0.00	37.29 2.01 0.00	36.73 2.05 0.00	37.61 2.10 0.00	38.96 2.21 0.00	47.22 2.33 0.00	53.61 2.50 0.00	61.16 2.63 0.00	59.99 2.08 0.00	51.90 1.51 0.00	46.98 1.15 0.00	41.51 0.73 0.00
ASTORIA___2 24149	39.25 1.07 0.00	36.90 1.11 0.00	36.52 0.65 0.00	35.73 0.77 0.01	35.12 0.76 0.01	34.25 1.28 0.01	35.60 1.37 0.01	36.92 1.32 0.01	40.13 1.65 0.01	41.43 1.82 0.01	45.04 1.94 0.01	42.85 2.08 0.01	40.79 1.91 0.01	37.17 1.90 0.01	36.65 1.98 0.01	37.85 2.34 0.01	38.92 2.17 0.01	47.17 2.29 0.01	53.50 2.40 0.01	61.09 2.57 0.01	59.87 1.97 0.01	51.79 1.41 0.01	46.93 1.10 0.01	41.42 0.65 0.01
ASTORIA___3 23516	39.56 1.37 0.00	37.19 1.39 0.00	36.88 1.00 0.00	36.06 1.09 0.00	35.44 1.07 0.00	34.46 1.49 0.00	35.85 1.61 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.31 2.20 0.00	43.14 2.36 0.00	41.03 2.14 0.00	37.39 2.12 0.00	36.83 2.15 0.00	38.07 2.56 0.00	39.15 2.39 0.00	47.45 2.56 0.00	53.81 2.71 0.00	61.51 2.98 0.00	60.28 2.38 0.00	52.20 1.81 0.00	47.30 1.47 0.00	41.80 1.02 0.00
ASTORIA___4 23517	39.56 1.37 0.00	37.19 1.40 0.00	37.02 1.15 0.00	36.05 1.08 0.00	35.51 1.13 0.00	34.46 1.48 0.00	35.85 1.61 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.44 2.33 0.00	43.14 2.37 0.00	41.03 2.14 0.00	37.39 2.12 0.00	36.83 2.15 0.00	37.75 2.24 0.00	39.15 2.39 0.00	47.45 2.56 0.00	53.81 2.71 0.00	61.46 2.93 0.00	60.28 2.37 0.00	52.21 1.81 0.00	47.26 1.42 0.00	41.80 1.02 0.00
ASTORIA___5 23518	39.56 1.37 0.00	37.19 1.39 0.00	36.88 1.00 0.00	36.06 1.09 0.00	35.44 1.07 0.00	34.46 1.49 0.00	35.85 1.61 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.31 2.20 0.00	43.14 2.36 0.00	41.03 2.14 0.00	37.39 2.12 0.00	36.83 2.15 0.00	38.07 2.56 0.00	39.15 2.39 0.00	47.45 2.56 0.00	53.81 2.71 0.00	61.51 2.98 0.00	60.28 2.38 0.00	52.20 1.81 0.00	47.30 1.47 0.00	41.80 1.02 0.00
AST_ENERGY_2_CC3 323677	39.48 1.30 0.00	37.12 1.33 0.00	36.81 0.93 0.00	35.98 1.01 0.00	35.41 1.03 0.00	34.39 1.42 0.00	35.75 1.50 0.00	37.14 1.53 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.26 2.15 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.29 2.01 0.00	36.76 2.08 0.00	37.68 2.17 0.00	39.07 2.32 0.00	47.36 2.47 0.00	53.81 2.71 0.00	61.63 3.10 0.00	60.34 2.43 0.00	52.16 1.76 0.00	47.26 1.42 0.00	41.84 1.06 0.00
AST_ENERGY_2_CC4 323678	39.48 1.30 0.00	37.12 1.33 0.00	36.81 0.93 0.00	35.98 1.01 0.00	35.41 1.03 0.00	34.39 1.42 0.00	35.75 1.50 0.00	37.14 1.53 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.26 2.15 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.29 2.01 0.00	36.76 2.08 0.00	37.68 2.17 0.00	39.07 2.32 0.00	47.36 2.47 0.00	53.81 2.71 0.00	61.63 3.10 0.00	60.34 2.43 0.00	52.16 1.76 0.00	47.26 1.42 0.00	41.84 1.06 0.00



ATHENS_STG_1 23668	38.68 0.50 0.00	36.33 0.54 0.00	36.34 0.47 0.00	35.50 0.53 0.00	34.89 0.52 0.00	33.63 0.66 0.00	34.93 0.68 0.00	36.25 0.64 0.00	39.25 0.77 0.00	40.45 0.83 0.00	44.02 0.91 0.00	41.80 1.02 0.00	39.75 0.85 0.00	36.16 0.88 0.00	35.58 0.90 0.00	36.47 0.96 0.00	37.79 1.03 0.00	45.92 1.03 0.00	52.23 1.12 0.00	59.93 1.40 0.00	58.78 0.87 0.00	51.05 0.65 0.00	46.29 0.46 0.00	41.07 0.29 0.00
ATHENS_STG_2 23670	38.68 0.50 0.00	36.33 0.54 0.00	36.34 0.47 0.00	35.50 0.53 0.00	34.89 0.52 0.00	33.63 0.66 0.00	34.93 0.68 0.00	36.25 0.64 0.00	39.25 0.77 0.00	40.45 0.83 0.00	44.02 0.91 0.00	41.80 1.02 0.00	39.75 0.85 0.00	36.16 0.88 0.00	35.58 0.90 0.00	36.47 0.96 0.00	37.79 1.03 0.00	45.92 1.03 0.00	52.23 1.12 0.00	59.93 1.40 0.00	58.78 0.87 0.00	51.05 0.65 0.00	46.29 0.46 0.00	41.07 0.29 0.00
ATHENS_STG_3 23677	38.68 0.50 0.00	36.33 0.54 0.00	36.34 0.47 0.00	35.50 0.53 0.00	34.89 0.52 0.00	33.63 0.66 0.00	34.93 0.68 0.00	36.25 0.64 0.00	39.25 0.77 0.00	40.45 0.83 0.00	44.02 0.91 0.00	41.80 1.02 0.00	39.75 0.85 0.00	36.16 0.88 0.00	35.58 0.90 0.00	36.47 0.96 0.00	37.79 1.03 0.00	45.92 1.03 0.00	52.23 1.12 0.00	59.93 1.40 0.00	58.78 0.87 0.00	51.05 0.65 0.00	46.29 0.46 0.00	41.07 0.29 0.00
AUBURN___LFGE 323710	38.41 0.23 0.00	35.86 0.07 0.00	35.95 0.07 0.00	34.90 -0.07 0.00	34.27 -0.10 0.00	33.17 0.20 0.00	34.55 0.31 0.00	36.07 0.46 0.00	39.02 0.54 0.00	40.25 0.63 0.00	43.58 0.47 0.00	41.27 0.49 0.00	39.43 0.54 0.00	35.70 0.42 0.00	34.99 0.31 0.00	35.91 0.39 0.00	37.09 0.33 0.00	45.56 0.67 0.00	51.87 0.77 0.00	59.70 1.17 0.00	58.95 1.04 0.00	51.30 0.91 0.00	46.75 0.92 0.00	41.55 0.77 0.00
BABYLON_RES_REC 323704	39.64 1.45 0.00	37.19 1.39 0.00	36.88 1.00 0.00	35.98 1.01 0.00	35.27 0.89 0.00	34.42 1.45 0.00	35.85 1.61 0.00	37.43 1.82 0.00	40.41 1.92 0.00	41.84 2.22 0.00	45.49 2.37 -0.01	43.19 2.41 -0.01	42.81 2.18 -1.74	41.47 2.12 -4.07	40.60 2.25 -3.67	39.37 2.34 -1.51	47.02 2.50 -7.76	54.16 2.83 -6.44	54.50 3.12 -0.28	61.99 3.45 -0.01	60.75 2.84 -0.01	52.74 2.32 -0.03	47.81 1.97 -0.01	41.88 1.10 0.00
BABYLON___69_KV_BK2 356345	39.94 1.76 0.00	37.47 1.68 0.00	37.24 1.36 0.00	36.47 1.50 0.00	35.79 1.41 0.00	34.66 1.68 0.00	36.09 1.85 0.00	37.71 2.10 0.00	40.72 2.23 0.00	42.19 2.58 0.00	46.05 2.93 -0.01	43.60 2.81 -0.01	43.16 2.57 -1.71	41.77 2.50 -3.99	40.91 2.64 -3.59	39.69 2.70 -1.48	47.23 2.87 -7.60	54.48 3.28 -6.31	55.00 3.63 -0.27	62.52 3.98 -0.01	61.27 3.36 -0.01	53.29 2.87 -0.03	48.23 2.38 -0.01	42.53 1.75 0.00
BALL_HILL_WT_PWR 323825	38.68 0.50 0.00	35.58 -0.21 0.00	35.73 -0.14 0.00	34.27 -0.70 0.00	33.86 -0.51 0.00	33.14 0.17 0.00	34.72 0.48 0.00	36.29 0.67 0.00	39.14 0.65 0.00	40.25 0.63 0.00	43.58 0.48 0.00	40.94 0.16 0.00	39.86 0.97 0.00	36.02 0.74 0.00	35.27 0.59 0.00	35.87 0.36 0.00	36.76 0.00 0.00	45.03 0.14 0.00	50.90 -0.20 0.00	59.00 0.47 0.00	58.31 0.41 0.00	51.15 0.76 0.00	47.62 1.79 0.00	43.14 2.36 0.00
BARON_WINDS___WT_PWR 323822	38.26 0.08 0.00	35.36 -0.43 0.00	35.55 -0.32 0.00	34.27 -0.70 0.00	33.72 -0.65 0.00	32.81 -0.16 0.00	34.34 0.10 0.00	35.90 0.28 0.00	38.79 0.31 0.00	39.86 0.24 0.00	43.11 0.00 0.00	40.49 -0.28 0.00	38.97 0.08 0.00	35.21 -0.07 0.00	34.44 -0.24 0.00	35.27 -0.25 0.00	36.43 -0.33 0.00	44.85 -0.04 0.00	50.95 -0.15 0.00	58.88 0.35 0.00	58.20 0.29 0.00	50.90 0.50 0.00	46.89 1.06 0.00	42.12 1.34 0.00
BARRETT_IC_1 23704	39.48 1.30 0.00	37.08 1.29 0.00	36.73 0.86 0.00	35.88 0.91 0.00	35.20 0.82 0.00	34.30 1.32 0.00	35.71 1.47 0.00	37.25 1.64 0.00	40.29 1.81 0.00	41.68 2.06 0.00	45.36 2.24 -0.01	43.03 2.24 -0.01	42.38 1.91 -1.58	40.84 1.87 -3.69	39.98 1.98 -3.33	38.94 2.06 -1.37	45.97 2.17 -7.04	53.11 2.38 -5.85	53.86 2.50 -0.25	61.35 2.81 -0.01	60.12 2.20 -0.01	52.29 1.87 -0.03	47.45 1.60 -0.01	41.72 0.94 0.00
BARRETT_IC_10 23701	39.48 1.30 0.00	37.08 1.29 0.00	36.73 0.86 0.00	35.88 0.91 0.00	35.20 0.82 0.00	34.30 1.32 0.00	35.71 1.47 0.00	37.25 1.64 0.00	40.29 1.81 0.00	41.68 2.06 0.00	45.36 2.24 -0.01	43.03 2.24 -0.01	42.38 1.91 -1.58	40.84 1.87 -3.69	39.98 1.98 -3.33	38.94 2.06 -1.37	45.97 2.17 -7.04	53.11 2.38 -5.85	53.86 2.50 -0.25	61.35 2.81 -0.01	60.12 2.20 -0.01	52.29 1.87 -0.03	47.45 1.60 -0.01	41.72 0.94 0.00
BARRETT_IC_11 23702	39.48 1.30 0.00	37.08 1.29 0.00	36.73 0.86 0.00	35.88 0.91 0.00	35.20 0.82 0.00	34.30 1.32 0.00	35.71 1.47 0.00	37.25 1.64 0.00	40.29 1.81 0.00	41.68 2.06 0.00	45.36 2.24 -0.01	43.03 2.24 -0.01	42.38 1.91 -1.58	40.84 1.87 -3.69	39.98 1.98 -3.33	38.94 2.06 -1.37	45.97 2.17 -7.04	53.11 2.38 -5.85	53.86 2.50 -0.25	61.35 2.81 -0.01	60.12 2.20 -0.01	52.29 1.87 -0.03	47.45 1.60 -0.01	41.72 0.94 0.00
BARRETT_IC_12 23703	39.48 1.30 0.00	37.08 1.29 0.00	36.73 0.86 0.00	35.88 0.91 0.00	35.20 0.82 0.00	34.30 1.32 0.00	35.71 1.47 0.00	37.25 1.64 0.00	40.29 1.81 0.00	41.68 2.06 0.00	45.36 2.24 -0.01	43.03 2.24 -0.01	42.38 1.91 -1.58	40.84 1.87 -3.69	39.98 1.98 -3.33	38.94 2.06 -1.37	45.97 2.17 -7.04	53.11 2.38 -5.85	53.86 2.50 -0.25	61.35 2.81 -0.01	60.12 2.20 -0.01	52.29 1.87 -0.03	47.45 1.60 -0.01	41.72 0.94 0.00
BARRETT_IC_2 23705	39.48 1.30 0.00	37.08 1.29 0.00	36.73 0.86 0.00	35.88 0.91 0.00	35.20 0.82 0.00	34.30 1.32 0.00	35.71 1.47 0.00	37.25 1.64 0.00	40.29 1.81 0.00	41.68 2.06 0.00	45.36 2.24 -0.01	43.03 2.24 -0.01	42.38 1.91 -1.58	40.84 1.87 -3.69	39.98 1.98 -3.33	38.94 2.06 -1.37	45.97 2.17 -7.04	53.11 2.38 -5.85	53.86 2.50 -0.25	61.35 2.81 -0.01	60.12 2.20 -0.01	52.29 1.87 -0.03	47.45 1.60 -0.01	41.72 0.94 0.00
BARRETT_IC_3 23706	39.48 1.30 0.00	37.08 1.29 0.00	36.73 0.86 0.00	35.88 0.91 0.00	35.20 0.82 0.00	34.30 1.32 0.00	35.71 1.47 0.00	37.25 1.64 0.00	40.29 1.81 0.00	41.68 2.06 0.00	45.36 2.24 -0.01	43.03 2.24 -0.01	42.38 1.91 -1.58	40.84 1.87 -3.69	39.98 1.98 -3.33	38.94 2.06 -1.37	45.97 2.17 -7.04	53.11 2.38 -5.85	53.86 2.50 -0.25	61.35 2.81 -0.01	60.12 2.20 -0.01	52.29 1.87 -0.03	47.45 1.60 -0.01	41.72 0.94 0.00
BARRETT_IC_4 23707	39.48 1.30 0.00	37.08 1.29 0.00	36.73 0.86 0.00	35.88 0.91 0.00	35.20 0.82 0.00	34.30 1.32 0.00	35.71 1.47 0.00	37.25 1.64 0.00	40.29 1.81 0.00	41.68 2.06 0.00	45.36 2.24 -0.01	43.03 2.24 -0.01	42.38 1.91 -1.58	40.84 1.87 -3.69	39.98 1.98 -3.33	38.94 2.06 -1.37	45.97 2.17 -7.04	53.11 2.38 -5.85	53.86 2.50 -0.25	61.35 2.81 -0.01	60.12 2.20 -0.01	52.29 1.87 -0.03	47.45 1.60 -0.01	41.72 0.94 0.00



BARRETT_IC_5 23708	39.48 1.30 0.00	37.08 1.29 0.00	36.73 0.86 0.00	35.88 0.91 0.00	35.20 0.82 0.00	34.30 1.32 0.00	35.71 1.47 0.00	37.25 1.64 0.00	40.29 1.81 0.00	41.68 2.06 0.00	45.36 2.24 -0.01	43.03 2.24 -0.01	42.38 1.91 -1.58	40.84 1.87 -3.69	39.98 1.98 -3.33	38.94 2.06 -1.37	45.97 2.17 -7.04	53.11 2.38 -5.85	53.86 2.50 -0.25	61.35 2.81 -0.01	60.12 2.20 -0.01	52.29 1.87 -0.03	47.45 1.60 -0.01	41.72 0.94 0.00
BARRETT_IC_6 23709	39.48 1.30 0.00	37.08 1.29 0.00	36.73 0.86 0.00	35.88 0.91 0.00	35.20 0.82 0.00	34.30 1.32 0.00	35.71 1.47 0.00	37.25 1.64 0.00	40.29 1.81 0.00	41.68 2.06 0.00	45.36 2.24 -0.01	43.03 2.24 -0.01	42.38 1.91 -1.58	40.84 1.87 -3.69	39.98 1.98 -3.33	38.94 2.06 -1.37	45.97 2.17 -7.04	53.11 2.38 -5.85	53.86 2.50 -0.25	61.35 2.81 -0.01	60.12 2.20 -0.01	52.29 1.87 -0.03	47.45 1.60 -0.01	41.72 0.94 0.00
BARRETT_IC_7 23710	39.48 1.30 0.00	37.08 1.29 0.00	36.84 0.97 0.00	36.05 1.08 0.00	35.41 1.03 0.00	34.29 1.32 0.00	35.71 1.47 0.00	37.21 1.60 0.00	40.29 1.81 0.00	41.68 2.06 0.00	45.53 2.41 -0.01	43.03 2.24 -0.01	42.38 1.91 -1.58	40.88 1.90 -3.69	39.98 1.98 -3.33	38.91 2.02 -1.37	45.97 2.17 -7.04	53.11 2.38 -5.85	53.86 2.50 -0.25	61.29 2.75 -0.01	60.12 2.20 -0.01	52.28 1.86 -0.03	47.45 1.60 -0.01	41.96 1.18 0.00
BARRETT_IC_8 23711	39.48 1.30 0.00	37.08 1.29 0.00	36.73 0.86 0.00	35.88 0.91 0.00	35.20 0.82 0.00	34.30 1.32 0.00	35.71 1.47 0.00	37.25 1.64 0.00	40.29 1.81 0.00	41.68 2.06 0.00	45.36 2.24 -0.01	43.03 2.24 -0.01	42.38 1.91 -1.58	40.84 1.87 -3.69	39.98 1.98 -3.33	38.94 2.06 -1.37	45.97 2.17 -7.04	53.11 2.38 -5.85	53.86 2.50 -0.25	61.35 2.81 -0.01	60.12 2.20 -0.01	52.29 1.87 -0.03	47.45 1.60 -0.01	41.72 0.94 0.00
BARRETT_IC_9 23700	39.48 1.30 0.00	37.08 1.29 0.00	36.73 0.86 0.00	35.88 0.91 0.00	35.20 0.82 0.00	34.30 1.32 0.00	35.71 1.47 0.00	37.25 1.64 0.00	40.29 1.81 0.00	41.68 2.06 0.00	45.36 2.24 -0.01	43.03 2.24 -0.01	42.38 1.91 -1.58	40.84 1.87 -3.69	39.98 1.98 -3.33	38.94 2.06 -1.37	45.97 2.17 -7.04	53.11 2.38 -5.85	53.86 2.50 -0.25	61.35 2.81 -0.01	60.12 2.20 -0.01	52.29 1.87 -0.03	47.45 1.60 -0.01	41.72 0.94 0.00
BARRETT___1 23545	39.48 1.30 0.00	37.08 1.29 0.00	36.73 0.86 0.00	35.88 0.91 0.00	35.20 0.82 0.00	34.30 1.32 0.00	35.71 1.47 0.00	37.25 1.64 0.00	40.29 1.81 0.00	41.68 2.06 0.00	45.36 2.24 -0.01	43.03 2.24 -0.01	42.38 1.91 -1.58	40.84 1.87 -3.69	39.98 1.98 -3.33	38.94 2.06 -1.37	45.97 2.17 -7.04	53.11 2.38 -5.85	53.86 2.50 -0.25	61.35 2.81 -0.01	60.12 2.20 -0.01	52.29 1.87 -0.03	47.45 1.60 -0.01	41.72 0.94 0.00
BARRETT___2 23546	39.48 1.30 0.00	37.08 1.29 0.00	36.73 0.86 0.00	35.88 0.91 0.00	35.20 0.82 0.00	34.30 1.32 0.00	35.71 1.47 0.00	37.25 1.64 0.00	40.29 1.81 0.00	41.68 2.06 0.00	45.36 2.24 -0.01	43.03 2.24 -0.01	42.38 1.91 -1.58	40.84 1.87 -3.69	39.98 1.98 -3.33	38.94 2.06 -1.37	45.97 2.17 -7.04	53.11 2.38 -5.85	53.86 2.50 -0.25	61.35 2.81 -0.01	60.12 2.20 -0.01	52.29 1.87 -0.03	47.45 1.60 -0.01	41.72 0.94 0.00
BATAVIA__115KV_TB1 55881	38.49 0.31 0.00	35.47 -0.32 0.00	35.73 -0.14 0.00	34.34 -0.63 0.00	33.72 -0.65 0.00	33.17 0.20 0.00	34.69 0.45 0.00	36.15 0.53 0.00	38.95 0.46 0.00	39.94 0.32 0.00	42.55 -0.56 0.00	40.53 -0.24 0.00	39.24 0.35 0.00	35.42 0.14 0.00	34.68 0.00 0.00	35.51 0.00 0.00	36.35 -0.40 0.00	44.62 -0.27 0.00	50.54 -0.56 0.00	58.47 -0.06 0.00	58.25 0.35 0.00	51.05 0.66 0.00	47.39 1.56 0.00	42.74 1.96 0.00
BAYONEEC___CTG1 323682	39.48 1.30 0.00	37.12 1.33 0.00	36.81 0.93 0.00	35.98 1.01 0.00	35.37 1.00 0.00	34.39 1.42 0.00	35.75 1.50 0.00	37.11 1.50 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.26 2.15 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.29 2.01 0.00	36.76 2.08 0.00	37.65 2.13 0.00	39.07 2.32 0.00	47.36 2.47 0.00	53.81 2.71 0.00	61.63 3.10 0.00	60.34 2.43 0.00	52.16 1.76 0.00	47.26 1.42 0.00	41.88 1.10 0.00
BAYONEEC___CTG10 323750	39.48 1.30 0.00	37.12 1.33 0.00	36.81 0.93 0.00	35.98 1.01 0.00	35.37 1.00 0.00	34.39 1.42 0.00	35.75 1.50 0.00	37.11 1.50 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.26 2.15 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.29 2.01 0.00	36.76 2.08 0.00	37.65 2.13 0.00	39.07 2.32 0.00	47.36 2.47 0.00	53.81 2.71 0.00	61.63 3.10 0.00	60.34 2.43 0.00	52.16 1.76 0.00	47.26 1.42 0.00	41.88 1.10 0.00
BAYONEEC___CTG2 323683	39.48 1.30 0.00	37.12 1.33 0.00	36.81 0.93 0.00	35.98 1.01 0.00	35.37 1.00 0.00	34.39 1.42 0.00	35.75 1.50 0.00	37.11 1.50 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.26 2.15 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.29 2.01 0.00	36.76 2.08 0.00	37.65 2.13 0.00	39.07 2.32 0.00	47.36 2.47 0.00	53.81 2.71 0.00	61.63 3.10 0.00	60.34 2.43 0.00	52.16 1.76 0.00	47.26 1.42 0.00	41.88 1.10 0.00
BAYONEEC___CTG3 323684	39.48 1.30 0.00	37.12 1.33 0.00	36.81 0.93 0.00	35.98 1.01 0.00	35.37 1.00 0.00	34.39 1.42 0.00	35.75 1.50 0.00	37.11 1.50 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.26 2.15 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.29 2.01 0.00	36.76 2.08 0.00	37.65 2.13 0.00	39.07 2.32 0.00	47.36 2.47 0.00	53.81 2.71 0.00	61.63 3.10 0.00	60.34 2.43 0.00	52.16 1.76 0.00	47.26 1.42 0.00	41.88 1.10 0.00
BAYONEEC___CTG4 323685	39.48 1.30 0.00	37.12 1.33 0.00	36.81 0.93 0.00	35.98 1.01 0.00	35.37 1.00 0.00	34.39 1.42 0.00	35.75 1.50 0.00	37.11 1.50 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.26 2.15 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.29 2.01 0.00	36.76 2.08 0.00	37.65 2.13 0.00	39.07 2.32 0.00	47.36 2.47 0.00	53.81 2.71 0.00	61.63 3.10 0.00	60.34 2.43 0.00	52.16 1.76 0.00	47.26 1.42 0.00	41.88 1.10 0.00
BAYONEEC___CTG5 323686	39.48 1.30 0.00	37.12 1.33 0.00	36.81 0.93 0.00	35.98 1.01 0.00	35.37 1.00 0.00	34.39 1.42 0.00	35.75 1.50 0.00	37.11 1.50 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.26 2.15 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.29 2.01 0.00	36.76 2.08 0.00	37.65 2.13 0.00	39.07 2.32 0.00	47.36 2.47 0.00	53.81 2.71 0.00	61.63 3.10 0.00	60.34 2.43 0.00	52.16 1.76 0.00	47.26 1.42 0.00	41.88 1.10 0.00
BAYONEEC___CTG6 323687	39.48 1.30 0.00	37.12 1.33 0.00	36.81 0.93 0.00	35.98 1.01 0.00	35.37 1.00 0.00	34.39 1.42 0.00	35.75 1.50 0.00	37.11 1.50 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.26 2.15 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.29 2.01 0.00	36.76 2.08 0.00	37.65 2.13 0.00	39.07 2.32 0.00	47.36 2.47 0.00	53.81 2.71 0.00	61.63 3.10 0.00	60.34 2.43 0.00	52.16 1.76 0.00	47.26 1.42 0.00	41.88 1.10 0.00



BAYONEEC___CTG7 323688	39.48 1.30 0.00	37.12 1.33 0.00	36.81 0.93 0.00	35.98 1.01 0.00	35.37 1.00 0.00	34.39 1.42 0.00	35.75 1.50 0.00	37.11 1.50 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.26 2.15 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.29 2.01 0.00	36.76 2.08 0.00	37.65 2.13 0.00	39.07 2.32 0.00	47.36 2.47 0.00	53.81 2.71 0.00	61.63 3.10 0.00	60.34 2.43 0.00	52.16 1.76 0.00	47.26 1.42 0.00	41.88 1.10 0.00
BAYONEEC___CTG8 323689	39.48 1.30 0.00	37.12 1.33 0.00	36.81 0.93 0.00	35.98 1.01 0.00	35.37 1.00 0.00	34.39 1.42 0.00	35.75 1.50 0.00	37.11 1.50 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.26 2.15 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.29 2.01 0.00	36.76 2.08 0.00	37.65 2.13 0.00	39.07 2.32 0.00	47.36 2.47 0.00	53.81 2.71 0.00	61.63 3.10 0.00	60.34 2.43 0.00	52.16 1.76 0.00	47.26 1.42 0.00	41.88 1.10 0.00
BAYONEEC___CTG9 323749	39.48 1.30 0.00	37.12 1.33 0.00	36.81 0.93 0.00	35.98 1.01 0.00	35.37 1.00 0.00	34.39 1.42 0.00	35.75 1.50 0.00	37.11 1.50 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.26 2.15 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.29 2.01 0.00	36.76 2.08 0.00	37.65 2.13 0.00	39.07 2.32 0.00	47.36 2.47 0.00	53.81 2.71 0.00	61.63 3.10 0.00	60.34 2.43 0.00	52.16 1.76 0.00	47.26 1.42 0.00	41.88 1.10 0.00
BEACON___LESR 323632	38.61 0.42 0.00	36.29 0.50 0.00	36.27 0.40 0.00	35.42 0.45 0.00	34.82 0.45 0.00	33.57 0.59 0.00	34.82 0.58 0.00	36.15 0.53 0.00	39.02 0.54 0.00	40.25 0.63 0.00	43.71 0.60 0.00	41.55 0.77 0.00	39.51 0.62 0.00	35.94 0.67 0.00	35.37 0.69 0.00	36.15 0.64 0.00	37.49 0.73 0.00	45.47 0.58 0.00	51.72 0.62 0.00	59.58 1.05 0.00	58.49 0.58 0.00	50.70 0.30 0.00	45.93 0.09 0.00	40.86 0.08 0.00
BEAVER RIVER___HYD 24048	37.50 -0.69 0.00	35.22 -0.57 0.00	35.30 -0.58 0.00	34.45 -0.52 0.00	33.82 -0.55 0.00	32.45 -0.53 0.00	33.28 -0.96 0.00	34.72 -0.89 0.00	37.33 -1.15 0.00	38.27 -1.35 0.00	41.60 -1.51 0.00	39.19 -1.59 0.00	37.33 -1.56 0.00	33.90 -1.38 0.00	33.26 -1.42 0.00	34.20 -1.31 0.00	35.44 -1.32 0.00	43.95 -0.94 0.00	50.54 -0.56 0.00	58.47 -0.06 0.00	57.56 -0.35 0.00	50.34 -0.05 0.00	45.56 -0.27 0.00	40.45 -0.33 0.00
BEEBEE_GT_13 23619	37.99 -0.19 0.00	35.18 -0.61 0.00	35.37 -0.50 0.00	34.13 -0.84 0.00	33.55 -0.83 0.00	32.74 -0.23 0.00	34.17 -0.07 0.00	35.68 0.07 0.00	38.52 0.04 0.00	39.62 0.00 0.00	42.51 -0.60 0.00	40.45 -0.33 0.00	38.97 0.08 0.00	35.24 -0.04 0.00	34.54 -0.14 0.00	35.37 -0.14 0.00	36.32 -0.44 0.00	44.44 -0.45 0.00	50.34 -0.77 0.00	58.06 -0.47 0.00	57.62 -0.29 0.00	50.39 0.00 0.00	46.48 0.64 0.00	41.72 0.94 0.00
BENSHRST_27_KV_BENSHRST_1 355998	56.56 1.83 -16.54	56.50 1.83 -18.88	56.64 1.58 -19.19	53.43 1.50 -16.96	55.37 1.55 -19.45	37.79 1.88 -2.94	55.84 2.02 -19.58	56.53 1.99 -18.92	57.38 2.35 -16.55	58.19 2.54 -16.03	59.16 2.89 -13.16	59.00 2.85 -15.37	58.98 2.64 -17.44	57.42 2.58 -19.57	57.37 2.60 -20.09	55.54 2.66 -17.36	57.56 2.83 -17.97	60.85 3.14 -12.82	61.77 3.42 -7.24	99.00 3.80 -36.67	99.06 3.18 -37.97	60.87 2.52 -7.96	60.19 2.06 -12.29	56.90 1.55 -14.57
BETHLEHEM___GRP 23843	38.03 -0.15 0.00	35.76 -0.04 0.00	35.77 -0.11 0.00	34.93 -0.03 0.00	34.38 0.00 0.00	33.11 0.13 0.00	34.38 0.14 0.00	35.65 0.04 0.00	38.45 -0.04 0.00	39.62 0.00 0.00	43.15 0.04 0.00	40.94 0.16 0.00	38.93 0.04 0.00	35.42 0.14 0.00	34.89 0.21 0.00	35.66 0.14 0.00	36.98 0.22 0.00	44.80 -0.09 0.00	50.90 -0.20 0.00	58.53 0.00 0.00	57.44 -0.46 0.00	49.84 -0.55 0.00	45.19 -0.64 0.00	40.21 -0.57 0.00
BETHLEHEM___GS1 323560	38.03 -0.15 0.00	35.76 -0.04 0.00	35.77 -0.11 0.00	34.93 -0.03 0.00	34.34 -0.03 0.00	33.11 0.13 0.00	34.38 0.14 0.00	35.65 0.04 0.00	38.45 -0.04 0.00	39.62 0.00 0.00	42.98 -0.13 0.00	40.94 0.16 0.00	38.93 0.04 0.00	35.42 0.14 0.00	34.89 0.21 0.00	35.69 0.18 0.00	36.98 0.22 0.00	44.80 -0.09 0.00	50.90 -0.20 0.00	58.53 0.00 0.00	57.44 -0.47 0.00	49.84 -0.55 0.00	45.19 -0.64 0.00	40.21 -0.57 0.00
BETHLEHEM___GS2 323561	38.03 -0.15 0.00	35.76 -0.04 0.00	35.77 -0.11 0.00	34.93 -0.03 0.00	34.34 -0.03 0.00	33.11 0.13 0.00	34.38 0.14 0.00	35.65 0.04 0.00	38.45 -0.04 0.00	39.62 0.00 0.00	42.98 -0.13 0.00	40.94 0.16 0.00	38.93 0.04 0.00	35.42 0.14 0.00	34.89 0.21 0.00	35.69 0.18 0.00	36.98 0.22 0.00	44.80 -0.09 0.00	50.90 -0.20 0.00	58.53 0.00 0.00	57.44 -0.47 0.00	49.84 -0.55 0.00	45.19 -0.64 0.00	40.21 -0.57 0.00
BETHLEHEM___GS3 323562	38.03 -0.15 0.00	35.76 -0.04 0.00	35.77 -0.11 0.00	34.93 -0.03 0.00	34.34 -0.03 0.00	33.11 0.13 0.00	34.38 0.14 0.00	35.65 0.04 0.00	38.45 -0.04 0.00	39.62 0.00 0.00	42.98 -0.13 0.00	40.94 0.16 0.00	38.93 0.04 0.00	35.42 0.14 0.00	34.89 0.21 0.00	35.69 0.18 0.00	36.98 0.22 0.00	44.80 -0.09 0.00	50.90 -0.20 0.00	58.53 0.00 0.00	57.44 -0.47 0.00	49.84 -0.55 0.00	45.19 -0.64 0.00	40.21 -0.57 0.00
BETHLEHEM___STEEL 23779	38.26 0.08 0.00	35.11 -0.68 0.00	35.37 -0.50 0.00	33.96 -1.01 0.00	33.38 -1.00 0.00	32.88 -0.10 0.00	34.41 0.17 0.00	35.90 0.28 0.00	38.72 0.23 0.00	39.78 0.16 0.00	42.25 -0.86 0.00	40.41 -0.37 0.00	39.40 0.51 0.00	35.59 0.32 0.00	34.82 0.14 0.00	35.55 0.04 0.00	36.21 -0.55 0.00	44.31 -0.58 0.00	49.93 -1.18 0.00	57.83 -0.70 0.00	57.21 -0.69 0.00	50.29 -0.10 0.00	46.98 1.15 0.00	42.65 1.88 0.00
BETHLHEM_115KV_TB1 79974	38.15 -0.04 0.00	35.86 0.07 0.00	35.87 0.00 0.00	35.00 0.03 0.00	34.45 0.07 0.00	33.17 0.20 0.00	34.45 0.21 0.00	35.72 0.11 0.00	38.56 0.08 0.00	39.74 0.12 0.00	43.28 0.17 0.00	41.02 0.24 0.00	39.05 0.16 0.00	35.52 0.25 0.00	34.96 0.28 0.00	35.76 0.25 0.00	37.09 0.33 0.00	44.93 0.04 0.00	51.10 0.00 0.00	58.71 0.18 0.00	57.67 -0.23 0.00	50.04 -0.35 0.00	45.33 -0.50 0.00	40.33 -0.45 0.00
BETHPAGE_CC_5 323564	39.75 1.57 0.00	37.29 1.50 0.00	36.95 1.08 0.00	36.09 1.12 0.00	35.41 1.03 0.00	34.53 1.55 0.00	35.92 1.68 0.00	37.50 1.89 0.00	40.56 2.08 0.00	42.00 2.38 0.00	45.66 2.54 -0.01	43.40 2.61 -0.01	43.11 2.37 -1.85	41.89 2.29 -4.32	40.96 2.39 -3.89	39.60 2.49 -1.60	47.61 2.61 -8.24	54.65 2.92 -6.84	54.62 3.22 -0.29	62.11 3.57 -0.01	60.87 2.95 -0.01	52.84 2.42 -0.03	47.91 2.06 -0.01	42.04 1.27 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	38.30 0.11 0.00	35.18 -0.61 0.00	35.41 -0.47 0.00	33.99 -0.98 0.00	33.41 -0.96 0.00	32.91 -0.07 0.00	34.45 0.21 0.00	35.97 0.36 0.00	38.75 0.27 0.00	39.86 0.24 0.00	42.33 -0.78 0.00	40.49 -0.29 0.00	39.47 0.58 0.00	35.66 0.39 0.00	34.89 0.21 0.00	35.62 0.11 0.00	36.28 -0.48 0.00	44.40 -0.49 0.00	50.03 -1.07 0.00	58.00 -0.53 0.00	57.39 -0.52 0.00	50.44 0.05 0.00	47.07 1.24 0.00	42.74 1.96 0.00



BINGHAMTON___COGEN 23790	38.45 0.27 0.00	35.86 0.07 0.00	35.95 0.07 0.00	34.93 -0.03 0.00	34.31 -0.07 0.00	33.21 0.23 0.00	34.62 0.38 0.00	36.07 0.46 0.00	39.02 0.54 0.00	40.17 0.55 0.00	43.45 0.34 0.00	41.19 0.41 0.00	39.43 0.54 0.00	35.73 0.46 0.00	35.06 0.38 0.00	35.91 0.39 0.00	37.09 0.33 0.00	45.43 0.54 0.00	51.67 0.56 0.00	59.47 0.94 0.00	58.66 0.75 0.00	51.05 0.66 0.00	46.66 0.83 0.00	41.59 0.82 0.00
BIXINCNT_115KV_LOAD 355685	38.38 0.19 0.00	35.22 -0.57 0.00	35.37 -0.50 0.00	33.78 -1.19 0.00	33.24 -1.13 0.00	32.88 -0.10 0.00	34.41 0.17 0.00	36.04 0.43 0.00	38.91 0.42 0.00	40.13 0.52 0.00	42.63 -0.47 0.00	40.57 -0.20 0.00	39.63 0.74 0.00	35.84 0.56 0.00	35.03 0.35 0.00	35.69 0.18 0.00	36.46 -0.29 0.00	44.71 -0.18 0.00	50.54 -0.56 0.00	58.71 0.18 0.00	58.08 0.17 0.00	50.95 0.55 0.00	47.39 1.56 0.00	42.98 2.20 0.00
BLACK RIVER___HYD 24047	37.88 -0.31 0.00	35.54 -0.25 0.00	35.63 -0.25 0.00	34.73 -0.24 0.00	34.14 -0.24 0.00	32.84 -0.13 0.00	33.69 -0.55 0.00	35.19 -0.43 0.00	37.75 -0.73 0.00	38.71 -0.91 0.00	42.07 -1.04 0.00	39.56 -1.22 0.00	37.68 -1.21 0.00	34.11 -1.16 0.00	33.47 -1.21 0.00	34.41 -1.10 0.00	35.69 -1.07 0.00	44.40 -0.49 0.00	51.26 0.15 0.00	59.52 0.99 0.00	58.72 0.81 0.00	51.15 0.76 0.00	46.25 0.41 0.00	40.98 0.20 0.00
BLACKRVR_115KV_TB2 79977	37.88 -0.31 0.00	35.54 -0.25 0.00	35.62 -0.25 0.00	34.73 -0.24 0.00	34.10 -0.28 0.00	32.84 -0.13 0.00	33.69 -0.55 0.00	35.18 -0.43 0.00	37.75 -0.73 0.00	38.71 -0.91 0.00	42.03 -1.08 0.00	39.55 -1.22 0.00	37.68 -1.21 0.00	34.11 -1.16 0.00	33.47 -1.21 0.00	34.41 -1.10 0.00	35.69 -1.07 0.00	44.40 -0.49 0.00	51.26 0.15 0.00	59.52 0.99 0.00	58.72 0.81 0.00	51.15 0.76 0.00	46.25 0.41 0.00	40.98 0.20 0.00
BLISS_WT_PWR 323608	38.34 0.15 0.00	35.15 -0.64 0.00	35.30 -0.58 0.00	33.68 -1.29 0.00	33.31 -1.07 0.00	32.78 -0.20 0.00	34.34 0.10 0.00	36.00 0.39 0.00	38.91 0.42 0.00	40.13 0.51 0.00	43.33 0.22 0.00	40.57 -0.20 0.00	39.63 0.74 0.00	35.84 0.56 0.00	35.03 0.35 0.00	35.59 0.07 0.00	36.43 -0.33 0.00	44.71 -0.18 0.00	50.54 -0.56 0.00	58.65 0.12 0.00	58.08 0.17 0.00	50.95 0.56 0.00	47.44 1.60 0.00	43.02 2.24 0.00
BLUESTONE___WT_PWR 323821	40.09 1.91 0.00	37.54 1.75 0.00	37.67 1.79 0.00	36.61 1.64 0.00	35.96 1.58 0.00	34.75 1.78 0.00	36.02 1.78 0.00	37.68 2.06 0.00	40.68 2.19 0.00	41.76 2.14 0.00	45.44 2.33 0.00	42.78 2.00 0.00	40.83 1.94 0.00	36.87 1.59 0.00	36.10 1.42 0.00	37.11 1.60 0.00	38.37 1.62 0.00	47.49 2.60 0.00	54.42 3.32 0.00	62.86 4.33 0.00	61.90 3.99 0.00	53.82 3.43 0.00	48.95 3.12 0.00	43.47 2.69 0.00
BLUE_CIRC_CHEM_DRP 24182	38.64 0.46 0.00	36.29 0.50 0.00	36.34 0.47 0.00	35.46 0.49 0.00	34.89 0.52 0.00	33.57 0.59 0.00	34.82 0.58 0.00	36.15 0.53 0.00	39.02 0.54 0.00	40.17 0.55 0.00	43.76 0.65 0.00	41.39 0.61 0.00	39.36 0.47 0.00	35.77 0.49 0.00	35.20 0.52 0.00	36.01 0.50 0.00	37.35 0.59 0.00	45.38 0.49 0.00	51.67 0.56 0.00	59.47 0.94 0.00	58.43 0.52 0.00	50.75 0.35 0.00	46.02 0.18 0.00	40.98 0.20 0.00
BOC_GAS_DRP 24189	38.41 0.23 0.00	36.08 0.29 0.00	36.09 0.22 0.00	35.25 0.28 0.00	34.69 0.31 0.00	33.37 0.40 0.00	34.65 0.41 0.00	35.97 0.36 0.00	38.87 0.38 0.00	40.01 0.40 0.00	43.63 0.52 0.00	41.31 0.53 0.00	39.32 0.43 0.00	35.77 0.49 0.00	35.20 0.52 0.00	36.01 0.50 0.00	37.35 0.59 0.00	45.34 0.45 0.00	51.56 0.46 0.00	59.29 0.76 0.00	58.20 0.29 0.00	50.54 0.15 0.00	45.83 0.00 0.00	40.74 -0.04 0.00
BOONVILLE_115KV_TB1 79983	38.41 0.23 0.00	36.04 0.25 0.00	36.13 0.25 0.00	35.21 0.24 0.00	34.62 0.24 0.00	33.27 0.30 0.00	34.31 0.07 0.00	35.79 0.18 0.00	38.56 0.08 0.00	39.62 0.00 0.00	43.11 0.00 0.00	40.70 -0.08 0.00	38.81 -0.08 0.00	35.17 -0.11 0.00	34.54 -0.14 0.00	35.48 -0.04 0.00	36.72 -0.04 0.00	45.25 0.36 0.00	51.82 0.72 0.00	59.70 1.17 0.00	58.83 0.93 0.00	51.30 0.91 0.00	46.52 0.69 0.00	41.31 0.53 0.00
BORALEX_4TH_BRANCH 23824	39.06 0.88 0.00	36.76 0.97 0.00	36.70 0.83 0.00	35.84 0.87 0.00	35.27 0.89 0.00	34.03 1.06 0.00	35.34 1.10 0.00	36.72 1.10 0.00	39.68 1.19 0.00	40.81 1.19 0.00	44.79 1.68 0.00	42.33 1.55 0.00	40.13 1.24 0.00	36.55 1.27 0.00	36.03 1.35 0.00	36.83 1.31 0.00	38.23 1.47 0.00	46.33 1.44 0.00	52.59 1.48 0.00	60.34 1.81 0.00	59.18 1.27 0.00	51.35 0.96 0.00	46.52 0.69 0.00	41.15 0.37 0.00
BOWLINE___1 23526	39.02 0.84 0.00	36.69 0.90 0.00	36.48 0.61 0.00	35.67 0.70 0.00	35.06 0.69 0.00	34.00 1.02 0.00	35.30 1.06 0.00	36.64 1.03 0.00	39.75 1.27 0.00	41.00 1.39 0.00	44.66 1.55 0.00	42.41 1.63 0.00	40.37 1.48 0.00	36.69 1.41 0.00	36.17 1.49 0.00	37.08 1.56 0.00	38.45 1.69 0.00	46.69 1.80 0.00	53.05 1.94 0.00	60.75 2.22 0.00	59.59 1.68 0.00	51.60 1.21 0.00	46.75 0.92 0.00	41.43 0.65 0.00
BOWLINE___2 23595	39.02 0.84 0.00	36.69 0.90 0.00	36.48 0.61 0.00	35.67 0.70 0.00	35.06 0.69 0.00	34.00 1.02 0.00	35.30 1.06 0.00	36.64 1.03 0.00	39.75 1.27 0.00	41.00 1.39 0.00	44.66 1.55 0.00	42.41 1.63 0.00	40.37 1.48 0.00	36.69 1.41 0.00	36.17 1.49 0.00	37.08 1.56 0.00	38.45 1.69 0.00	46.69 1.80 0.00	53.05 1.94 0.00	60.75 2.22 0.00	59.59 1.68 0.00	51.60 1.21 0.00	46.75 0.92 0.00	41.43 0.65 0.00
BRADY___115KV_TB2 356060	38.49 0.31 0.00	36.15 0.36 0.00	36.34 0.47 0.00	35.46 0.49 0.00	34.82 0.45 0.00	33.01 0.03 0.00	34.10 -0.14 0.00	35.43 -0.18 0.00	38.18 -0.31 0.00	39.14 -0.48 0.00	42.59 -0.52 0.00	40.08 -0.69 0.00	38.27 -0.62 0.00	34.61 -0.67 0.00	34.02 -0.66 0.00	34.84 -0.67 0.00	36.10 -0.66 0.00	44.49 -0.40 0.00	50.95 -0.15 0.00	58.76 0.23 0.00	58.43 0.52 0.00	51.05 0.66 0.00	46.34 0.50 0.00	41.31 0.53 0.00
BRANSCOMB___SOLAR 323811	39.41 1.22 0.00	37.01 1.22 0.00	36.99 1.11 0.00	36.12 1.15 0.00	35.51 1.13 0.00	34.20 1.22 0.00	35.51 1.27 0.00	36.93 1.32 0.00	39.87 1.38 0.00	41.12 1.51 0.00	44.75 1.64 0.00	42.37 1.59 0.00	40.25 1.36 0.00	36.51 1.23 0.00	35.89 1.21 0.00	36.72 1.21 0.00	38.15 1.40 0.00	46.50 1.61 0.00	53.00 1.89 0.00	61.17 2.64 0.00	60.11 2.20 0.00	52.05 1.66 0.00	47.12 1.28 0.00	41.84 1.06 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	39.60 1.41 0.00	37.15 1.36 0.00	36.95 1.08 0.00	36.23 1.26 0.00	35.55 1.17 0.00	34.39 1.42 0.00	35.82 1.58 0.00	37.39 1.78 0.00	40.37 1.89 0.00	41.84 2.22 0.00	45.66 2.54 -0.01	43.23 2.45 -0.01	42.65 2.18 -1.58	41.12 2.15 -3.69	40.29 2.29 -3.32	39.22 2.34 -1.37	46.33 2.54 -7.04	53.51 2.78 -5.84	54.42 3.07 -0.25	61.76 3.22 -0.01	60.58 2.66 -0.01	52.74 2.32 -0.03	47.77 1.93 -0.01	42.12 1.35 0.00



BRISTLHL_115KV_TB1 79998	37.73 -0.46 0.00	35.25 -0.54 0.00	35.34 -0.54 0.00	34.38 -0.59 0.00	33.76 -0.62 0.00	32.58 -0.40 0.00	33.90 -0.34 0.00	35.33 -0.28 0.00	38.21 -0.27 0.00	39.38 -0.24 0.00	42.76 -0.34 0.00	40.49 -0.29 0.00	38.66 -0.23 0.00	35.03 -0.25 0.00	34.37 -0.31 0.00	35.23 -0.28 0.00	36.39 -0.37 0.00	44.53 -0.36 0.00	50.69 -0.41 0.00	58.30 -0.23 0.00	57.56 -0.35 0.00	50.04 -0.35 0.00	45.61 -0.23 0.00	40.57 -0.20 0.00
BROOKHAVEN___DRP 24191	38.99 0.80 0.00	36.65 0.86 0.00	36.38 0.50 0.00	35.81 0.84 0.00	35.00 0.62 0.00	33.90 0.92 0.00	35.30 1.06 0.00	36.86 1.25 0.00	39.75 1.27 0.00	41.24 1.62 0.00	44.89 1.77 -0.01	42.54 1.75 -0.01	41.95 1.52 -1.54	40.54 1.66 -3.61	39.83 1.91 -3.25	38.73 1.88 -1.33	45.65 2.02 -6.88	52.84 2.24 -5.71	53.85 2.50 -0.24	61.06 2.52 -0.01	59.83 1.91 -0.01	52.08 1.66 -0.03	47.08 1.24 -0.01	41.55 0.77 0.00
BROOKLYN_NAVY_YARD 23515	39.44 1.26 0.00	37.12 1.33 0.00	36.77 0.90 0.00	35.95 0.98 0.00	35.34 0.96 0.00	34.39 1.42 0.00	35.75 1.50 0.00	37.11 1.50 0.00	40.26 1.77 0.00	41.56 1.94 0.00	45.26 2.15 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.29 2.01 0.00	36.73 2.05 0.00	37.68 2.17 0.00	39.04 2.28 0.00	47.36 2.47 0.00	53.81 2.71 0.00	61.63 3.10 0.00	60.34 2.43 0.00	52.20 1.81 0.00	47.26 1.42 0.00	41.84 1.06 0.00
BROOKLYN___ARMY_DRP 323595	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57
BROOKVLE_69_KV_TB1 55790	39.83 1.64 0.00	37.37 1.57 0.00	37.17 1.29 0.00	36.33 1.36 0.00	35.72 1.34 0.00	34.59 1.62 0.00	35.99 1.75 0.00	37.50 1.89 0.00	40.64 2.16 0.00	42.03 2.42 0.00	45.93 2.80 -0.01	43.48 2.69 -0.01	43.90 2.45 -2.56	43.62 2.36 -5.98	42.49 2.43 -5.38	40.21 2.49 -2.21	50.80 2.65 -11.39	57.31 2.96 -9.46	54.73 3.22 -0.40	62.17 3.63 -0.01	60.93 3.01 -0.01	52.85 2.42 -0.04	47.87 2.02 -0.01	42.29 1.51 0.00
BROOME_2_LFGE 323671	38.45 0.27 0.00	35.86 0.07 0.00	35.98 0.11 0.00	34.93 -0.03 0.00	34.38 0.00 0.00	33.21 0.23 0.00	34.62 0.38 0.00	36.07 0.46 0.00	39.02 0.54 0.00	40.17 0.55 0.00	43.63 0.52 0.00	41.19 0.41 0.00	39.43 0.54 0.00	35.73 0.46 0.00	35.06 0.38 0.00	35.91 0.39 0.00	37.09 0.33 0.00	45.43 0.54 0.00	51.72 0.62 0.00	59.46 0.93 0.00	58.66 0.75 0.00	51.05 0.65 0.00	46.66 0.83 0.00	41.59 0.82 0.00
BROOME___LFGE 323600	38.45 0.27 0.00	35.86 0.07 0.00	35.98 0.11 0.00	34.93 -0.03 0.00	34.38 0.00 0.00	33.21 0.23 0.00	34.62 0.38 0.00	36.07 0.46 0.00	39.02 0.54 0.00	40.17 0.55 0.00	43.63 0.52 0.00	41.19 0.41 0.00	39.43 0.54 0.00	35.73 0.46 0.00	35.06 0.38 0.00	35.91 0.39 0.00	37.09 0.33 0.00	45.43 0.54 0.00	51.72 0.62 0.00	59.46 0.93 0.00	58.66 0.75 0.00	51.05 0.65 0.00	46.66 0.83 0.00	41.59 0.82 0.00
BROWNFLS_115KV_TB_3_5 80003	37.12 -1.07 0.00	34.86 -0.93 0.00	35.01 -0.86 0.00	34.17 -0.80 0.00	33.55 -0.83 0.00	31.99 -0.99 0.00	32.94 -1.30 0.00	34.29 -1.32 0.00	36.91 -1.58 0.00	37.87 -1.74 0.00	41.21 -1.90 0.00	38.78 -2.00 0.00	36.95 -1.94 0.00	33.51 -1.76 0.00	32.91 -1.77 0.00	33.77 -1.74 0.00	34.99 -1.76 0.00	43.27 -1.62 0.00	49.72 -1.38 0.00	57.42 -1.11 0.00	56.75 -1.16 0.00	49.59 -0.81 0.00	44.96 -0.87 0.00	40.00 -0.77 0.00
BROWNSV1_27_KV_LOAD 356125	39.75 1.57 0.00	37.37 1.57 0.00	37.20 1.33 0.00	36.23 1.26 0.00	35.68 1.31 0.00	34.62 1.65 0.00	35.99 1.75 0.00	37.36 1.74 0.00	40.60 2.12 0.00	41.92 2.30 0.00	45.74 2.63 0.00	43.43 2.65 0.00	41.30 2.41 0.00	37.60 2.33 0.00	37.04 2.36 0.00	37.93 2.41 0.00	39.33 2.57 0.00	47.76 2.87 0.00	54.27 3.17 0.00	62.10 3.57 0.00	60.86 2.95 0.00	52.61 2.22 0.00	47.62 1.79 0.00	42.04 1.26 0.00
BURROWS___LYONSDAL 23803	38.19 0.00 0.00	35.83 0.04 0.00	35.91 0.04 0.00	35.00 0.03 0.00	34.41 0.03 0.00	33.07 0.10 0.00	34.04 -0.21 0.00	35.50 -0.11 0.00	38.21 -0.27 0.00	39.26 -0.36 0.00	42.72 -0.39 0.00	40.29 -0.49 0.00	38.42 -0.47 0.00	34.85 -0.42 0.00	34.23 -0.45 0.00	35.16 -0.36 0.00	36.43 -0.33 0.00	44.93 0.04 0.00	51.51 0.41 0.00	59.35 0.82 0.00	58.43 0.52 0.00	51.00 0.60 0.00	46.25 0.41 0.00	41.10 0.33 0.00
CAITHNESS_CC_1 323624	39.02 0.84 0.00	36.69 0.90 0.00	36.31 0.43 0.00	35.46 0.49 0.00	34.76 0.38 0.00	33.93 0.96 0.00	35.34 1.10 0.00	36.93 1.32 0.00	39.79 1.31 0.00	41.28 1.66 0.00	44.71 1.60 -0.01	42.58 1.79 -0.01	42.03 1.60 -1.54	40.54 1.66 -3.60	39.87 1.94 -3.25	38.80 1.95 -1.33	45.69 2.06 -6.87	52.84 2.24 -5.70	53.85 2.50 -0.24	61.05 2.52 -0.01	59.82 1.91 -0.01	52.08 1.66 -0.02	47.13 1.28 -0.01	41.23 0.45 0.00
CALPINE BETH_PAGE_GT4 24209	39.79 1.60 0.00	37.33 1.54 0.00	37.13 1.26 0.00	36.30 1.33 0.00	35.65 1.27 0.00	34.56 1.58 0.00	35.95 1.71 0.00	37.53 1.92 0.00	40.60 2.12 0.00	42.03 2.42 0.00	45.92 2.80 -0.01	43.44 2.65 -0.01	43.27 2.41 -1.97	42.20 2.33 -4.60	41.25 2.43 -4.14	39.70 2.49 -1.70	48.17 2.65 -8.76	55.13 2.96 -7.27	54.69 3.27 -0.31	62.17 3.63 -0.01	60.93 3.01 -0.01	52.89 2.47 -0.03	47.91 2.06 -0.01	42.33 1.55 0.00
CALPINE_BETH_PAGE_GT_4 323586	39.79 1.60 0.00	37.33 1.54 0.00	36.99 1.11 0.00	36.12 1.15 0.00	35.44 1.07 0.00	34.56 1.58 0.00	35.95 1.71 0.00	37.53 1.92 0.00	40.60 2.12 0.00	42.04 2.42 0.00	45.71 2.59 -0.01	43.44 2.65 -0.01	43.27 2.41 -1.97	42.20 2.33 -4.60	41.25 2.43 -4.14	39.74 2.52 -1.70	48.17 2.65 -8.76	55.13 2.96 -7.27	54.69 3.27 -0.31	62.17 3.63 -0.01	60.93 3.01 -0.01	52.89 2.47 -0.03	47.96 2.11 -0.01	42.08 1.30 0.00
CALPINE_BP_GT1 23823	39.79 1.60 0.00	37.33 1.54 0.00	36.99 1.11 0.00	36.12 1.15 0.00	35.44 1.07 0.00	34.56 1.58 0.00	35.95 1.71 0.00	37.53 1.92 0.00	40.60 2.12 0.00	42.04 2.42 0.00	45.71 2.59 -0.01	43.44 2.65 -0.01	43.27 2.41 -1.97	42.20 2.33 -4.60	41.25 2.43 -4.14	39.74 2.52 -1.70	48.17 2.65 -8.76	55.13 2.96 -7.27	54.69 3.27 -0.31	62.17 3.63 -0.01	60.93 3.01 -0.01	52.89 2.47 -0.03	47.96 2.11 -0.01	42.08 1.30 0.00
CALSPAN___DRP 24200	38.26 0.08 0.00	35.11 -0.68 0.00	35.37 -0.50 0.00	33.96 -1.01 0.00	33.38 -1.00 0.00	32.88 -0.10 0.00	34.41 0.17 0.00	35.90 0.28 0.00	38.72 0.23 0.00	39.78 0.16 0.00	42.25 -0.86 0.00	40.41 -0.37 0.00	39.40 0.51 0.00	35.59 0.32 0.00	34.82 0.14 0.00	35.55 0.04 0.00	36.21 -0.55 0.00	44.31 -0.58 0.00	49.93 -1.18 0.00	57.83 -0.70 0.00	57.21 -0.69 0.00	50.29 -0.10 0.00	46.98 1.15 0.00	42.65 1.88 0.00



CALVERTON___SOLAR 323806	38.99 0.80 0.00	36.62 0.82 0.00	36.23 0.36 0.00	35.39 0.42 0.00	34.68 0.31 0.00	33.87 0.89 0.00	35.27 1.03 0.00	36.89 1.28 0.00	39.72 1.23 0.00	41.20 1.59 0.00	44.58 1.47 -0.01	42.50 1.71 -0.01	41.95 1.52 -1.54	40.51 1.62 -3.61	39.90 1.98 -3.25	38.77 1.92 -1.33	45.65 2.02 -6.88	52.89 2.29 -5.71	53.85 2.50 -0.24	61.17 2.64 -0.01	59.89 1.97 -0.01	52.08 1.66 -0.02	47.13 1.28 -0.01	41.19 0.41 0.00
CANDIGU_WT_PWR 323617	38.26 0.08 0.00	35.36 -0.43 0.00	35.55 -0.32 0.00	34.27 -0.70 0.00	33.72 -0.65 0.00	32.81 -0.16 0.00	34.34 0.10 0.00	35.90 0.28 0.00	38.79 0.31 0.00	39.86 0.24 0.00	43.11 0.00 0.00	40.49 -0.28 0.00	38.97 0.08 0.00	35.21 -0.07 0.00	34.44 -0.24 0.00	35.27 -0.25 0.00	36.43 -0.33 0.00	44.85 -0.04 0.00	50.95 -0.15 0.00	58.88 0.35 0.00	58.20 0.29 0.00	50.90 0.50 0.00	46.89 1.06 0.00	42.12 1.34 0.00
CARR STREET_E_SYR 24060	38.07 -0.11 0.00	35.58 -0.21 0.00	35.66 -0.21 0.00	34.65 -0.32 0.00	34.10 -0.28 0.00	32.88 -0.10 0.00	34.24 0.00 0.00	35.68 0.07 0.00	38.56 0.08 0.00	39.78 0.16 0.00	43.28 0.17 0.00	40.86 0.08 0.00	39.05 0.16 0.00	35.38 0.11 0.00	34.72 0.03 0.00	35.59 0.07 0.00	36.76 0.00 0.00	45.03 0.14 0.00	51.21 0.10 0.00	58.82 0.29 0.00	58.08 0.17 0.00	50.54 0.15 0.00	46.07 0.23 0.00	40.98 0.20 0.00
CARTHAGE___PAPER 23857	37.57 -0.61 0.00	35.29 -0.50 0.00	35.37 -0.50 0.00	34.51 -0.46 0.00	33.89 -0.48 0.00	32.51 -0.46 0.00	33.39 -0.85 0.00	34.83 -0.78 0.00	37.41 -1.08 0.00	38.31 -1.31 0.00	41.60 -1.51 0.00	39.15 -1.63 0.00	37.29 -1.60 0.00	33.83 -1.45 0.00	33.23 -1.46 0.00	34.13 -1.39 0.00	35.44 -1.32 0.00	43.99 -0.90 0.00	50.80 -0.30 0.00	58.82 0.29 0.00	58.02 0.12 0.00	50.65 0.25 0.00	45.79 -0.05 0.00	40.62 -0.16 0.00
CASSADAGA_WT_PWR 323784	39.29 1.11 0.00	36.15 0.36 0.00	36.13 0.25 0.00	34.59 -0.38 0.00	34.14 -0.24 0.00	33.44 0.46 0.00	34.96 0.72 0.00	36.61 1.00 0.00	39.48 1.00 0.00	40.73 1.11 0.00	44.14 1.03 0.00	41.55 0.77 0.00	40.60 1.71 0.00	36.69 1.41 0.00	35.89 1.21 0.00	36.47 0.96 0.00	37.34 0.59 0.00	45.88 0.99 0.00	51.87 0.77 0.00	60.28 1.75 0.00	59.64 1.74 0.00	52.26 1.87 0.00	48.68 2.84 0.00	44.12 3.34 0.00
CE_DUNWOOD___DRP 24194	39.33 1.15 0.00	36.97 1.18 0.00	36.84 0.97 0.00	35.91 0.94 0.00	35.34 0.96 0.00	34.26 1.29 0.00	35.58 1.34 0.00	36.93 1.32 0.00	40.06 1.58 0.00	41.36 1.74 0.00	45.18 2.07 0.00	42.82 2.04 0.00	40.72 1.83 0.00	37.08 1.80 0.00	36.52 1.84 0.00	37.40 1.88 0.00	38.78 2.02 0.00	47.09 2.20 0.00	53.51 2.40 0.00	61.22 2.69 0.00	60.05 2.14 0.00	52.01 1.61 0.00	47.07 1.24 0.00	41.63 0.86 0.00
CE_MILLWOOD___DRP 24193	39.22 1.03 0.00	36.87 1.07 0.00	36.74 0.86 0.00	35.81 0.84 0.00	35.24 0.86 0.00	34.13 1.15 0.00	35.47 1.23 0.00	36.82 1.21 0.00	39.95 1.46 0.00	41.20 1.58 0.00	45.01 1.90 0.00	42.65 1.88 0.00	40.56 1.67 0.00	36.90 1.62 0.00	36.38 1.70 0.00	37.25 1.74 0.00	38.63 1.87 0.00	46.91 2.02 0.00	53.30 2.20 0.00	60.99 2.46 0.00	59.88 1.97 0.00	51.80 1.41 0.00	46.93 1.10 0.00	41.51 0.73 0.00
CE_NYC2_DRP 24202	39.60 1.41 0.00	37.22 1.43 0.00	37.06 1.18 0.00	36.09 1.12 0.00	35.55 1.17 0.00	34.49 1.52 0.00	35.89 1.64 0.00	37.21 1.60 0.00	40.41 1.92 0.00	41.72 2.10 0.00	45.48 2.37 0.00	43.18 2.41 0.00	41.07 2.18 0.00	37.43 2.15 0.00	36.87 2.18 0.00	37.79 2.27 0.00	39.18 2.43 0.00	47.49 2.60 0.00	53.91 2.81 0.00	61.57 3.04 0.00	60.34 2.43 0.00	52.26 1.86 0.00	47.35 1.51 0.00	41.84 1.06 0.00
CE_NYC_DRP 24195	39.56 1.37 0.00	37.19 1.40 0.00	37.02 1.15 0.00	36.05 1.08 0.00	35.51 1.13 0.00	34.46 1.48 0.00	35.82 1.58 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.48 2.37 0.00	43.14 2.37 0.00	41.07 2.18 0.00	37.39 2.12 0.00	36.83 2.15 0.00	37.75 2.24 0.00	39.15 2.39 0.00	47.49 2.60 0.00	53.91 2.81 0.00	61.69 3.16 0.00	60.45 2.55 0.00	52.31 1.91 0.00	47.35 1.51 0.00	41.80 1.02 0.00
CHAFFEE___LFGE 323603	38.11 -0.08 0.00	35.15 -0.64 0.00	35.30 -0.58 0.00	33.95 -1.02 0.00	33.55 -0.83 0.00	32.81 -0.16 0.00	34.31 0.07 0.00	35.90 0.28 0.00	38.72 0.23 0.00	39.86 0.24 0.00	43.07 -0.04 0.00	40.41 -0.37 0.00	39.28 0.39 0.00	35.49 0.21 0.00	34.72 0.03 0.00	35.34 -0.18 0.00	36.28 -0.48 0.00	44.53 -0.36 0.00	50.44 -0.67 0.00	58.47 -0.06 0.00	57.73 -0.17 0.00	50.54 0.15 0.00	46.93 1.10 0.00	42.37 1.59 0.00
CHATEAUG_35_KV_LOAD 355732	37.57 -0.61 0.00	35.43 -0.36 0.00	35.77 -0.11 0.00	34.97 0.00 0.00	34.45 0.07 0.00	32.68 -0.30 0.00	33.93 -0.31 0.00	35.26 -0.36 0.00	37.87 -0.62 0.00	38.63 -0.99 0.00	41.99 -1.12 0.00	39.39 -1.39 0.00	37.57 -1.32 0.00	33.97 -1.31 0.00	33.36 -1.32 0.00	34.13 -1.39 0.00	35.47 -1.29 0.00	43.77 -1.12 0.00	50.18 -0.92 0.00	58.12 -0.41 0.00	58.14 0.23 0.00	50.90 0.50 0.00	46.38 0.55 0.00	41.47 0.69 0.00
CHATEAUG_WT_PWR 323614	37.65 -0.53 0.00	35.47 -0.32 0.00	35.77 -0.11 0.00	34.97 0.00 0.00	34.45 0.07 0.00	32.71 -0.26 0.00	33.97 -0.28 0.00	35.33 -0.29 0.00	37.95 -0.54 0.00	38.71 -0.91 0.00	42.03 -1.08 0.00	39.51 -1.26 0.00	37.64 -1.25 0.00	34.04 -1.24 0.00	33.43 -1.25 0.00	34.24 -1.28 0.00	35.55 -1.21 0.00	43.86 -1.03 0.00	50.28 -0.82 0.00	58.18 -0.35 0.00	58.14 0.23 0.00	50.95 0.56 0.00	46.43 0.59 0.00	41.47 0.69 0.00
CHAT_HIGH_FALL_HYD 323578	37.57 -0.61 0.00	35.43 -0.36 0.00	35.77 -0.11 0.00	34.97 0.00 0.00	34.45 0.07 0.00	32.68 -0.30 0.00	33.93 -0.31 0.00	35.26 -0.36 0.00	37.87 -0.62 0.00	38.63 -0.99 0.00	41.99 -1.12 0.00	39.39 -1.39 0.00	37.57 -1.32 0.00	33.97 -1.31 0.00	33.36 -1.32 0.00	34.13 -1.39 0.00	35.47 -1.29 0.00	43.77 -1.12 0.00	50.18 -0.92 0.00	58.12 -0.41 0.00	58.14 0.23 0.00	50.90 0.50 0.00	46.38 0.55 0.00	41.47 0.69 0.00
CHAUTAUQUA___LFGE 323629	38.99 0.80 0.00	35.86 0.07 0.00	35.95 0.07 0.00	34.45 -0.52 0.00	34.03 -0.34 0.00	33.34 0.36 0.00	34.93 0.68 0.00	36.54 0.92 0.00	39.41 0.92 0.00	40.57 0.95 0.00	43.89 0.78 0.00	41.23 0.45 0.00	40.17 1.28 0.00	36.33 1.06 0.00	35.55 0.87 0.00	36.15 0.64 0.00	37.05 0.29 0.00	45.43 0.54 0.00	51.36 0.26 0.00	59.58 1.05 0.00	58.95 1.04 0.00	51.65 1.26 0.00	48.13 2.29 0.00	43.59 2.81 0.00
CHERRYST_13_KV_LD 356241	39.64 1.45 0.00	37.29 1.50 0.00	37.09 1.22 0.00	36.16 1.19 0.00	35.58 1.20 0.00	34.53 1.55 0.00	35.92 1.68 0.00	37.29 1.67 0.00	40.49 2.00 0.00	41.80 2.18 0.00	45.61 2.50 0.00	43.27 2.49 0.00	41.15 2.26 0.00	37.50 2.22 0.00	36.93 2.25 0.00	37.82 2.31 0.00	39.22 2.46 0.00	47.58 2.69 0.00	54.07 2.96 0.00	61.87 3.34 0.00	60.63 2.72 0.00	52.41 2.02 0.00	47.44 1.60 0.00	41.92 1.14 0.00



CHESTROR_138KV_BK263 355645	38.87 0.69 0.00	36.54 0.75 0.00	36.45 0.57 0.00	35.56 0.59 0.00	34.96 0.58 0.00	33.83 0.86 0.00	35.13 0.89 0.00	36.47 0.85 0.00	39.52 1.04 0.00	40.77 1.15 0.00	44.49 1.38 0.00	42.12 1.35 0.00	40.10 1.21 0.00	36.44 1.16 0.00	35.89 1.21 0.00	36.76 1.24 0.00	38.15 1.40 0.00	46.37 1.48 0.00	52.69 1.58 0.00	60.40 1.87 0.00	59.30 1.39 0.00	51.35 0.96 0.00	46.57 0.73 0.00	41.27 0.49 0.00
CH_MIDHUDSON___DRP 24192	39.10 0.92 0.00	36.76 0.97 0.00	36.66 0.79 0.00	35.77 0.80 0.00	35.20 0.83 0.00	34.06 1.09 0.00	35.37 1.13 0.00	36.68 1.07 0.00	39.79 1.31 0.00	41.04 1.43 0.00	44.88 1.77 0.00	42.45 1.67 0.00	40.37 1.48 0.00	36.72 1.45 0.00	36.17 1.49 0.00	37.04 1.53 0.00	38.45 1.69 0.00	46.69 1.80 0.00	53.05 1.94 0.00	60.81 2.28 0.00	59.70 1.80 0.00	51.65 1.26 0.00	46.84 1.01 0.00	41.47 0.69 0.00
CH_MISC_IPPS 23765	39.25 1.07 0.00	36.86 1.07 0.00	36.70 0.83 0.00	35.88 0.91 0.00	35.24 0.86 0.00	34.16 1.19 0.00	35.47 1.23 0.00	36.79 1.17 0.00	39.91 1.42 0.00	41.20 1.59 0.00	44.92 1.81 0.00	42.57 1.79 0.00	40.49 1.60 0.00	36.79 1.52 0.00	36.28 1.60 0.00	37.18 1.67 0.00	38.56 1.80 0.00	46.86 1.97 0.00	53.25 2.15 0.00	61.10 2.57 0.00	59.99 2.08 0.00	51.90 1.51 0.00	47.02 1.19 0.00	41.67 0.90 0.00
CH_RES_BVR_FALLS 23983	37.77 -0.42 0.00	35.47 -0.32 0.00	35.63 -0.25 0.00	34.76 -0.21 0.00	34.17 -0.21 0.00	32.51 -0.46 0.00	33.73 -0.51 0.00	35.08 -0.53 0.00	37.83 -0.65 0.00	38.91 -0.71 0.00	42.33 -0.77 0.00	40.00 -0.78 0.00	38.15 -0.74 0.00	34.57 -0.71 0.00	33.99 -0.69 0.00	34.80 -0.71 0.00	36.02 -0.73 0.00	44.13 -0.76 0.00	50.34 -0.77 0.00	57.83 -0.70 0.00	57.33 -0.58 0.00	50.04 -0.35 0.00	45.56 -0.27 0.00	40.66 -0.12 0.00
CH_RES_NIAGARA 23895	37.54 -0.65 0.00	34.43 -1.36 0.00	34.73 -1.15 0.00	33.36 -1.61 0.00	32.79 -1.58 0.00	32.28 -0.69 0.00	33.45 -0.79 0.00	34.93 -0.68 0.00	37.64 -0.85 0.00	38.59 -1.03 0.00	40.91 -2.20 0.00	39.23 -1.55 0.00	38.15 -0.74 0.00	34.54 -0.74 0.00	33.81 -0.87 0.00	34.56 -0.96 0.00	35.18 -1.58 0.00	42.83 -2.06 0.00	48.14 -2.96 0.00	55.66 -2.87 0.00	55.13 -2.78 0.00	48.58 -1.81 0.00	45.38 -0.46 0.00	41.55 0.77 0.00
CH_RES_SYRACUSE 23985	38.30 0.11 0.00	35.76 -0.04 0.00	35.87 0.00 0.00	34.87 -0.10 0.00	34.27 -0.10 0.00	33.04 0.07 0.00	34.41 0.17 0.00	35.90 0.28 0.00	38.83 0.35 0.00	40.01 0.40 0.00	43.54 0.43 0.00	41.10 0.32 0.00	39.28 0.39 0.00	35.59 0.32 0.00	34.92 0.24 0.00	35.80 0.28 0.00	36.98 0.22 0.00	45.29 0.40 0.00	51.56 0.46 0.00	59.23 0.70 0.00	58.49 0.58 0.00	50.90 0.50 0.00	46.39 0.55 0.00	41.23 0.45 0.00
CLINTON_WT_PWR 323605	37.65 -0.53 0.00	35.47 -0.32 0.00	35.77 -0.11 0.00	34.97 0.00 0.00	34.45 0.07 0.00	32.71 -0.26 0.00	33.97 -0.28 0.00	35.33 -0.29 0.00	37.95 -0.54 0.00	38.71 -0.91 0.00	42.03 -1.08 0.00	39.51 -1.26 0.00	37.64 -1.25 0.00	34.04 -1.24 0.00	33.43 -1.25 0.00	34.24 -1.28 0.00	35.55 -1.21 0.00	43.86 -1.03 0.00	50.28 -0.82 0.00	58.18 -0.35 0.00	58.14 0.23 0.00	50.95 0.56 0.00	46.43 0.59 0.00	41.47 0.69 0.00
CLINTON___LFGE 323618	38.42 0.23 0.00	36.15 0.36 0.00	36.48 0.61 0.00	35.67 0.70 0.00	35.10 0.72 0.00	33.37 0.40 0.00	34.62 0.38 0.00	36.00 0.39 0.00	38.72 0.23 0.00	39.50 -0.12 0.00	42.89 -0.21 0.00	40.25 -0.53 0.00	38.43 -0.46 0.00	34.71 -0.57 0.00	34.06 -0.62 0.00	34.88 -0.64 0.00	36.24 -0.51 0.00	44.85 -0.04 0.00	51.41 0.31 0.00	59.58 1.05 0.00	59.70 1.80 0.00	52.26 1.87 0.00	47.53 1.70 0.00	42.45 1.67 0.00
COBBLENY_34_KV_TB1 80064	38.15 -0.04 0.00	35.15 -0.64 0.00	35.30 -0.57 0.00	33.96 -1.01 0.00	33.41 -0.96 0.00	32.81 -0.16 0.00	34.34 0.10 0.00	35.90 0.28 0.00	38.72 0.23 0.00	39.86 0.24 0.00	42.46 -0.65 0.00	40.41 -0.37 0.00	39.28 0.39 0.00	35.49 0.21 0.00	34.72 0.03 0.00	35.41 -0.11 0.00	36.28 -0.48 0.00	44.53 -0.36 0.00	50.39 -0.72 0.00	58.53 0.00 0.00	57.79 -0.12 0.00	50.54 0.15 0.00	46.89 1.05 0.00	42.37 1.59 0.00
COFFEEN___115KV_TB3 355620	38.03 -0.15 0.00	35.72 -0.07 0.00	35.80 -0.07 0.00	34.90 -0.07 0.00	34.27 -0.10 0.00	33.01 0.03 0.00	33.87 -0.38 0.00	35.36 -0.25 0.00	37.91 -0.58 0.00	38.83 -0.79 0.00	42.12 -0.99 0.00	39.64 -1.14 0.00	37.76 -1.13 0.00	34.18 -1.09 0.00	33.50 -1.18 0.00	34.48 -1.03 0.00	35.77 -0.99 0.00	44.58 -0.31 0.00	51.51 0.41 0.00	59.93 1.40 0.00	59.12 1.22 0.00	51.50 1.11 0.00	46.52 0.69 0.00	41.19 0.41 0.00
COLDSPRG_115KV_BK1 355956	39.41 1.22 0.00	36.26 0.47 0.00	36.34 0.47 0.00	34.86 -0.10 0.00	34.27 -0.10 0.00	33.73 0.76 0.00	35.27 1.03 0.00	36.93 1.32 0.00	39.79 1.31 0.00	41.00 1.39 0.00	43.71 0.60 0.00	41.67 0.90 0.00	40.68 1.79 0.00	36.72 1.45 0.00	35.89 1.21 0.00	36.58 1.07 0.00	37.38 0.62 0.00	45.97 1.08 0.00	51.97 0.87 0.00	60.46 1.93 0.00	59.70 1.80 0.00	52.31 1.91 0.00	48.68 2.84 0.00	44.08 3.30 0.00
COLONIE_LFGE___ 323577	38.91 0.72 0.00	36.54 0.75 0.00	36.52 0.65 0.00	35.71 0.74 0.00	35.10 0.72 0.00	33.80 0.82 0.00	35.10 0.86 0.00	36.46 0.85 0.00	39.37 0.89 0.00	40.57 0.95 0.00	44.19 1.08 0.00	41.92 1.14 0.00	39.82 0.93 0.00	36.23 0.95 0.00	35.65 0.97 0.00	36.47 0.96 0.00	37.82 1.07 0.00	45.97 1.08 0.00	52.28 1.18 0.00	60.11 1.58 0.00	59.06 1.16 0.00	51.20 0.80 0.00	46.39 0.55 0.00	41.14 0.37 0.00
COOPERNY_115KV_TB1 80082	38.72 0.53 0.00	36.33 0.54 0.00	36.31 0.43 0.00	35.42 0.45 0.00	34.82 0.45 0.00	33.63 0.66 0.00	34.93 0.68 0.00	36.29 0.68 0.00	39.29 0.81 0.00	40.49 0.87 0.00	44.14 1.03 0.00	41.80 1.02 0.00	39.78 0.89 0.00	36.16 0.88 0.00	35.58 0.90 0.00	36.44 0.92 0.00	37.79 1.03 0.00	46.01 1.12 0.00	52.33 1.23 0.00	59.99 1.46 0.00	58.95 1.04 0.00	51.15 0.76 0.00	46.43 0.60 0.00	41.19 0.41 0.00
COPENHAGEN_WT_PWR 323753	37.84 -0.34 0.00	35.50 -0.29 0.00	35.59 -0.29 0.00	34.65 -0.32 0.00	34.07 -0.31 0.00	32.78 -0.20 0.00	33.69 -0.55 0.00	35.19 -0.43 0.00	37.79 -0.69 0.00	38.75 -0.87 0.00	42.12 -0.99 0.00	39.59 -1.18 0.00	37.76 -1.13 0.00	34.18 -1.09 0.00	33.54 -1.14 0.00	34.48 -1.03 0.00	35.73 -1.03 0.00	44.40 -0.49 0.00	51.21 0.10 0.00	59.35 0.82 0.00	58.54 0.64 0.00	51.05 0.65 0.00	46.16 0.32 0.00	40.90 0.12 0.00
CORNELL_____ 23752	38.99 0.80 0.00	36.40 0.61 0.00	36.48 0.61 0.00	35.46 0.49 0.00	34.82 0.45 0.00	33.67 0.69 0.00	35.06 0.82 0.00	36.61 1.00 0.00	39.52 1.04 0.00	40.69 1.07 0.00	44.01 0.91 0.00	41.59 0.82 0.00	39.78 0.89 0.00	35.95 0.67 0.00	35.27 0.59 0.00	36.19 0.67 0.00	37.46 0.70 0.00	46.15 1.26 0.00	52.69 1.58 0.00	60.70 2.17 0.00	59.88 1.97 0.00	52.11 1.71 0.00	47.48 1.65 0.00	42.21 1.43 0.00



CORONA V_69 KV_TB1 355595	39.71 1.53 0.00	37.26 1.47 0.00	37.06 1.18 0.00	36.23 1.26 0.00	35.61 1.24 0.00	34.49 1.52 0.00	35.89 1.64 0.00	37.43 1.82 0.00	40.52 2.04 0.00	41.96 2.34 0.00	45.84 2.72 -0.02	43.32 2.53 -0.02	43.93 2.26 -2.78	43.97 2.19 -6.50	42.79 2.25 -5.85	40.23 2.31 -2.41	51.62 2.46 -12.40	57.92 2.74 -10.29	54.51 2.96 -0.44	61.88 3.34 -0.02	60.70 2.78 -0.02	52.66 2.22 -0.05	47.78 1.93 -0.02	42.21 1.43 0.00
CORTLAND_115KV_TB3 80093	38.64 0.46 0.00	36.08 0.29 0.00	36.20 0.32 0.00	35.18 0.21 0.00	34.55 0.17 0.00	33.40 0.43 0.00	34.76 0.51 0.00	36.25 0.64 0.00	39.14 0.65 0.00	40.29 0.67 0.00	43.67 0.56 0.00	41.31 0.53 0.00	39.51 0.62 0.00	35.77 0.49 0.00	35.10 0.42 0.00	36.01 0.50 0.00	37.20 0.44 0.00	45.70 0.81 0.00	52.07 0.97 0.00	59.93 1.40 0.00	59.12 1.22 0.00	51.45 1.06 0.00	46.89 1.05 0.00	41.68 0.90 0.00
COXSACKIE__GT 23611	39.41 1.22 0.00	37.04 1.25 0.00	37.02 1.15 0.00	36.12 1.15 0.00	35.48 1.10 0.00	34.20 1.22 0.00	35.54 1.30 0.00	36.75 1.14 0.00	39.72 1.23 0.00	40.85 1.23 0.00	44.36 1.25 0.00	41.88 1.10 0.00	39.79 0.90 0.00	36.05 0.78 0.00	35.55 0.87 0.00	36.37 0.85 0.00	37.82 1.07 0.00	46.28 1.39 0.00	52.79 1.68 0.00	60.99 2.46 0.00	60.23 2.32 0.00	51.90 1.51 0.00	47.02 1.19 0.00	41.96 1.18 0.00
CPV_VALLEY__CC1 323721	38.68 0.50 0.00	36.33 0.54 0.00	36.20 0.32 0.00	35.36 0.39 0.00	34.76 0.38 0.00	33.63 0.66 0.00	34.93 0.68 0.00	36.29 0.67 0.00	39.33 0.85 0.00	40.53 0.91 0.00	44.14 1.03 0.00	41.88 1.10 0.00	39.86 0.97 0.00	36.23 0.95 0.00	35.69 1.01 0.00	36.58 1.06 0.00	37.90 1.14 0.00	46.06 1.17 0.00	52.38 1.28 0.00	59.99 1.46 0.00	58.95 1.04 0.00	51.10 0.71 0.00	46.29 0.46 0.00	41.10 0.32 0.00
CPV_VALLEY__CC2 323722	38.68 0.50 0.00	36.33 0.54 0.00	36.20 0.32 0.00	35.36 0.39 0.00	34.76 0.38 0.00	33.63 0.66 0.00	34.93 0.68 0.00	36.29 0.67 0.00	39.33 0.85 0.00	40.53 0.91 0.00	44.14 1.03 0.00	41.88 1.10 0.00	39.86 0.97 0.00	36.23 0.95 0.00	35.69 1.01 0.00	36.58 1.06 0.00	37.90 1.14 0.00	46.06 1.17 0.00	52.38 1.28 0.00	59.99 1.46 0.00	58.95 1.04 0.00	51.10 0.71 0.00	46.29 0.46 0.00	41.10 0.32 0.00
CRESCENT__HYD 24018	38.91 0.72 0.00	36.54 0.75 0.00	36.52 0.65 0.00	35.71 0.74 0.00	35.10 0.72 0.00	33.80 0.82 0.00	35.10 0.86 0.00	36.46 0.85 0.00	39.37 0.89 0.00	40.57 0.95 0.00	44.19 1.08 0.00	41.92 1.14 0.00	39.82 0.93 0.00	36.23 0.95 0.00	35.65 0.97 0.00	36.47 0.96 0.00	37.82 1.07 0.00	45.97 1.08 0.00	52.28 1.18 0.00	60.11 1.58 0.00	59.06 1.16 0.00	51.20 0.80 0.00	46.39 0.55 0.00	41.14 0.37 0.00
CRICKET__VALLEY_CC1 323756	38.68 0.50 0.00	36.40 0.61 0.00	36.23 0.36 0.00	35.46 0.49 0.00	34.86 0.48 0.00	33.77 0.79 0.00	35.03 0.79 0.00	36.32 0.71 0.00	39.37 0.89 0.00	40.57 0.95 0.00	44.19 1.08 0.00	42.04 1.27 0.00	39.94 1.05 0.00	36.33 1.06 0.00	35.82 1.14 0.00	36.68 1.17 0.00	38.04 1.29 0.00	46.10 1.21 0.00	52.38 1.28 0.00	59.99 1.46 0.00	58.83 0.92 0.00	51.00 0.61 0.00	46.16 0.32 0.00	40.82 0.04 0.00
CRICKET__VALLEY_CC2 323757	38.68 0.50 0.00	36.40 0.61 0.00	36.23 0.36 0.00	35.46 0.49 0.00	34.86 0.48 0.00	33.77 0.79 0.00	35.03 0.79 0.00	36.32 0.71 0.00	39.37 0.89 0.00	40.57 0.95 0.00	44.19 1.08 0.00	42.04 1.27 0.00	39.94 1.05 0.00	36.33 1.06 0.00	35.82 1.14 0.00	36.68 1.17 0.00	38.04 1.29 0.00	46.10 1.21 0.00	52.38 1.28 0.00	59.99 1.46 0.00	58.83 0.92 0.00	51.00 0.61 0.00	46.16 0.32 0.00	40.82 0.04 0.00
CRICKET__VALLEY_CC3 323758	38.68 0.50 0.00	36.40 0.61 0.00	36.23 0.36 0.00	35.46 0.49 0.00	34.86 0.48 0.00	33.77 0.79 0.00	35.03 0.79 0.00	36.32 0.71 0.00	39.37 0.89 0.00	40.57 0.95 0.00	44.19 1.08 0.00	42.04 1.27 0.00	39.94 1.05 0.00	36.33 1.06 0.00	35.82 1.14 0.00	36.68 1.17 0.00	38.04 1.29 0.00	46.10 1.21 0.00	52.38 1.28 0.00	59.99 1.46 0.00	58.83 0.92 0.00	51.00 0.61 0.00	46.16 0.32 0.00	40.82 0.04 0.00
CRUCIBLE_METL_DRP 24180	38.30 0.11 0.00	35.76 -0.04 0.00	35.87 0.00 0.00	34.86 -0.10 0.00	34.24 -0.14 0.00	33.04 0.07 0.00	34.41 0.17 0.00	35.90 0.28 0.00	38.79 0.31 0.00	40.01 0.40 0.00	43.45 0.34 0.00	41.10 0.33 0.00	39.28 0.39 0.00	35.59 0.32 0.00	34.92 0.24 0.00	35.80 0.28 0.00	36.98 0.22 0.00	45.29 0.40 0.00	51.56 0.46 0.00	59.23 0.70 0.00	58.49 0.58 0.00	50.90 0.50 0.00	46.38 0.55 0.00	41.23 0.45 0.00
DAHOWA__HYDRO 323763	39.48 1.30 0.00	37.08 1.29 0.00	37.06 1.18 0.00	36.19 1.22 0.00	35.58 1.20 0.00	34.26 1.28 0.00	35.58 1.33 0.00	37.00 1.39 0.00	39.98 1.50 0.00	41.24 1.62 0.00	44.88 1.77 0.00	42.49 1.71 0.00	40.33 1.44 0.00	36.58 1.31 0.00	35.96 1.28 0.00	36.79 1.28 0.00	38.23 1.47 0.00	46.64 1.75 0.00	53.15 2.05 0.00	61.40 2.87 0.00	60.34 2.43 0.00	52.20 1.81 0.00	47.26 1.42 0.00	41.96 1.18 0.00
DANC__LFGE 323619	37.69 -0.50 0.00	35.29 -0.50 0.00	35.37 -0.50 0.00	34.45 -0.52 0.00	33.86 -0.51 0.00	32.61 -0.36 0.00	33.69 -0.55 0.00	35.15 -0.46 0.00	37.83 -0.65 0.00	38.86 -0.75 0.00	42.25 -0.86 0.00	39.80 -0.98 0.00	38.00 -0.89 0.00	34.40 -0.88 0.00	33.75 -0.93 0.00	34.66 -0.85 0.00	35.87 -0.88 0.00	44.35 -0.54 0.00	50.90 -0.20 0.00	58.82 0.29 0.00	58.02 0.12 0.00	50.54 0.15 0.00	45.83 0.00 0.00	40.66 -0.12 0.00
DANSKAMMER__1 23586	39.25 1.07 0.00	36.86 1.07 0.00	36.70 0.83 0.00	35.88 0.91 0.00	35.24 0.86 0.00	34.16 1.19 0.00	35.47 1.23 0.00	36.79 1.17 0.00	39.91 1.42 0.00	41.20 1.59 0.00	44.92 1.81 0.00	42.57 1.79 0.00	40.49 1.60 0.00	36.79 1.52 0.00	36.28 1.60 0.00	37.18 1.67 0.00	38.56 1.80 0.00	46.86 1.97 0.00	53.25 2.15 0.00	61.10 2.57 0.00	59.99 2.08 0.00	51.90 1.51 0.00	47.02 1.19 0.00	41.67 0.90 0.00
DANSKAMMER__2 23589	39.25 1.07 0.00	36.86 1.07 0.00	36.70 0.83 0.00	35.88 0.91 0.00	35.24 0.86 0.00	34.16 1.19 0.00	35.47 1.23 0.00	36.79 1.17 0.00	39.91 1.42 0.00	41.20 1.59 0.00	44.92 1.81 0.00	42.57 1.79 0.00	40.49 1.60 0.00	36.79 1.52 0.00	36.28 1.60 0.00	37.18 1.67 0.00	38.56 1.80 0.00	46.86 1.97 0.00	53.25 2.15 0.00	61.10 2.57 0.00	59.99 2.08 0.00	51.90 1.51 0.00	47.02 1.19 0.00	41.67 0.90 0.00
DANSKAMMER__3 23590	39.25 1.07 0.00	36.86 1.07 0.00	36.70 0.83 0.00	35.88 0.91 0.00	35.24 0.86 0.00	34.16 1.19 0.00	35.47 1.23 0.00	36.79 1.17 0.00	39.91 1.42 0.00	41.20 1.59 0.00	44.92 1.81 0.00	42.57 1.79 0.00	40.49 1.60 0.00	36.79 1.52 0.00	36.28 1.60 0.00	37.18 1.67 0.00	38.56 1.80 0.00	46.86 1.97 0.00	53.25 2.15 0.00	61.10 2.57 0.00	59.99 2.08 0.00	51.90 1.51 0.00	47.02 1.19 0.00	41.67 0.90 0.00



DANSKAMMER___4 23591	39.25 1.07 0.00	36.86 1.07 0.00	36.70 0.83 0.00	35.88 0.91 0.00	35.24 0.86 0.00	34.16 1.19 0.00	35.47 1.23 0.00	36.79 1.17 0.00	39.91 1.42 0.00	41.20 1.59 0.00	44.92 1.81 0.00	42.57 1.79 0.00	40.49 1.60 0.00	36.79 1.52 0.00	36.28 1.60 0.00	37.18 1.67 0.00	38.56 1.80 0.00	46.86 1.97 0.00	53.25 2.15 0.00	61.10 2.57 0.00	59.99 2.08 0.00	51.90 1.51 0.00	47.02 1.19 0.00	41.67 0.90 0.00
DANSKAMMER___DIESEL 23592	39.25 1.07 0.00	36.87 1.07 0.00	36.77 0.90 0.00	35.88 0.91 0.00	35.30 0.93 0.00	34.16 1.19 0.00	35.47 1.23 0.00	36.79 1.18 0.00	39.91 1.42 0.00	41.20 1.58 0.00	45.05 1.94 0.00	42.57 1.79 0.00	40.49 1.59 0.00	36.79 1.52 0.00	36.28 1.60 0.00	37.15 1.63 0.00	38.56 1.80 0.00	46.87 1.98 0.00	53.25 2.15 0.00	61.05 2.52 0.00	59.99 2.08 0.00	51.90 1.51 0.00	47.03 1.19 0.00	41.68 0.90 0.00
DARBY___SOLAR 323810	39.44 1.26 0.00	37.04 1.25 0.00	37.06 1.18 0.00	36.16 1.19 0.00	35.55 1.17 0.00	34.23 1.25 0.00	35.54 1.30 0.00	36.96 1.35 0.00	39.95 1.46 0.00	41.20 1.59 0.00	44.84 1.73 0.00	42.45 1.67 0.00	40.29 1.40 0.00	36.54 1.27 0.00	35.93 1.25 0.00	36.76 1.24 0.00	38.19 1.43 0.00	46.60 1.71 0.00	53.05 1.94 0.00	61.22 2.69 0.00	60.23 2.32 0.00	52.11 1.71 0.00	47.16 1.33 0.00	41.88 1.10 0.00
DASHVILLE___HYD 23610	39.03 0.84 0.00	36.69 0.89 0.00	36.59 0.72 0.00	35.70 0.73 0.00	35.13 0.76 0.00	33.93 0.96 0.00	35.23 0.99 0.00	36.54 0.93 0.00	39.60 1.12 0.00	40.85 1.23 0.00	44.62 1.51 0.00	42.21 1.43 0.00	40.13 1.24 0.00	36.48 1.20 0.00	35.96 1.28 0.00	36.83 1.31 0.00	38.23 1.47 0.00	46.51 1.62 0.00	52.84 1.74 0.00	60.58 2.05 0.00	59.53 1.62 0.00	51.50 1.11 0.00	46.71 0.87 0.00	41.43 0.65 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	39.14 0.95 0.00	36.72 0.93 0.00	36.41 0.54 0.00	35.84 0.87 0.00	34.96 0.58 0.00	33.90 0.92 0.00	35.30 1.06 0.00	36.96 1.35 0.00	39.87 1.39 0.00	41.40 1.78 0.00	44.80 1.68 -0.01	42.58 1.79 -0.01	42.03 1.59 -1.54	40.65 1.76 -3.61	40.08 2.15 -3.25	39.05 2.20 -1.34	46.03 2.39 -6.88	53.34 2.74 -5.71	54.41 3.07 -0.24	61.82 3.28 -0.01	60.58 2.66 -0.01	52.53 2.12 -0.03	47.45 1.60 -0.01	41.96 1.18 0.00
DELAWARE___LFGE 323621	39.03 0.84 0.00	36.58 0.79 0.00	36.66 0.79 0.00	35.81 0.84 0.00	35.17 0.79 0.00	33.90 0.92 0.00	35.17 0.92 0.00	36.61 1.00 0.00	39.60 1.12 0.00	40.77 1.15 0.00	44.36 1.25 0.00	41.96 1.18 0.00	40.02 1.13 0.00	36.26 0.99 0.00	35.65 0.97 0.00	36.54 1.03 0.00	37.82 1.07 0.00	46.28 1.39 0.00	52.69 1.58 0.00	60.52 1.99 0.00	59.59 1.68 0.00	51.80 1.41 0.00	47.03 1.19 0.00	41.76 0.98 0.00
DERFIELD_115KV_TB7 355931	38.19 0.00 0.00	35.83 0.04 0.00	35.91 0.04 0.00	35.00 0.03 0.00	34.41 0.03 0.00	33.07 0.10 0.00	34.31 0.07 0.00	35.68 0.07 0.00	38.56 0.08 0.00	39.70 0.08 0.00	43.24 0.13 0.00	40.90 0.12 0.00	38.97 0.08 0.00	35.35 0.07 0.00	34.78 0.10 0.00	35.62 0.11 0.00	36.87 0.11 0.00	45.02 0.13 0.00	51.31 0.20 0.00	58.82 0.29 0.00	58.02 0.12 0.00	50.49 0.10 0.00	45.88 0.05 0.00	40.78 0.00 0.00
DOGLEVILLE___HYD 23807	37.42 -0.76 0.00	35.15 -0.64 0.00	35.26 -0.61 0.00	34.41 -0.56 0.00	33.69 -0.69 0.00	32.25 -0.73 0.00	33.39 -0.85 0.00	34.72 -0.89 0.00	37.48 -1.00 0.00	38.51 -1.11 0.00	41.90 -1.21 0.00	39.68 -1.10 0.00	37.80 -1.09 0.00	34.25 -1.02 0.00	33.67 -1.01 0.00	34.56 -0.96 0.00	35.77 -0.99 0.00	43.77 -1.12 0.00	49.98 -1.12 0.00	57.42 -1.11 0.00	56.80 -1.10 0.00	49.43 -0.96 0.00	45.01 -0.82 0.00	40.05 -0.73 0.00
DUNKIRK___115KV_TB_200 55889	38.95 0.76 0.00	35.79 0.00 0.00	35.91 0.04 0.00	34.45 -0.52 0.00	33.86 -0.52 0.00	33.34 0.36 0.00	34.93 0.68 0.00	36.50 0.89 0.00	39.37 0.89 0.00	40.49 0.87 0.00	43.15 0.04 0.00	41.19 0.41 0.00	40.13 1.24 0.00	36.30 1.02 0.00	35.51 0.83 0.00	36.22 0.71 0.00	36.98 0.22 0.00	45.34 0.45 0.00	51.26 0.15 0.00	59.52 0.99 0.00	58.83 0.93 0.00	51.60 1.21 0.00	47.99 2.15 0.00	43.47 2.69 0.00
DUNKIRK___1 23563	38.95 0.76 0.00	35.79 0.00 0.00	35.91 0.04 0.00	34.45 -0.52 0.00	33.86 -0.52 0.00	33.34 0.36 0.00	34.93 0.68 0.00	36.50 0.89 0.00	39.37 0.89 0.00	40.49 0.87 0.00	43.15 0.04 0.00	41.19 0.41 0.00	40.13 1.24 0.00	36.30 1.02 0.00	35.51 0.83 0.00	36.22 0.71 0.00	36.98 0.22 0.00	45.34 0.45 0.00	51.26 0.15 0.00	59.52 0.99 0.00	58.83 0.93 0.00	51.60 1.21 0.00	47.99 2.15 0.00	43.47 2.69 0.00
DUNKIRK___2 23564	38.95 0.76 0.00	35.79 0.00 0.00	35.91 0.04 0.00	34.45 -0.52 0.00	33.86 -0.52 0.00	33.34 0.36 0.00	34.93 0.68 0.00	36.50 0.89 0.00	39.37 0.89 0.00	40.49 0.87 0.00	43.15 0.04 0.00	41.19 0.41 0.00	40.13 1.24 0.00	36.30 1.02 0.00	35.51 0.83 0.00	36.22 0.71 0.00	36.98 0.22 0.00	45.34 0.45 0.00	51.26 0.15 0.00	59.52 0.99 0.00	58.83 0.93 0.00	51.60 1.21 0.00	47.99 2.15 0.00	43.47 2.69 0.00
DUNKIRK___3 23565	38.68 0.50 0.00	35.58 -0.21 0.00	35.73 -0.14 0.00	34.27 -0.70 0.00	33.69 -0.69 0.00	33.14 0.16 0.00	34.72 0.48 0.00	36.29 0.68 0.00	39.14 0.65 0.00	40.25 0.63 0.00	42.85 -0.26 0.00	40.94 0.16 0.00	39.82 0.93 0.00	36.02 0.74 0.00	35.27 0.59 0.00	35.98 0.46 0.00	36.76 0.00 0.00	45.02 0.13 0.00	50.85 -0.26 0.00	59.00 0.47 0.00	58.31 0.41 0.00	51.15 0.76 0.00	47.62 1.79 0.00	43.14 2.37 0.00
DUNKIRK___4 23566	38.68 0.50 0.00	35.58 -0.21 0.00	35.73 -0.14 0.00	34.27 -0.70 0.00	33.69 -0.69 0.00	33.14 0.16 0.00	34.72 0.48 0.00	36.29 0.68 0.00	39.14 0.65 0.00	40.25 0.63 0.00	42.85 -0.26 0.00	40.94 0.16 0.00	39.82 0.93 0.00	36.02 0.74 0.00	35.27 0.59 0.00	35.98 0.46 0.00	36.76 0.00 0.00	45.02 0.13 0.00	50.85 -0.26 0.00	59.00 0.47 0.00	58.31 0.41 0.00	51.15 0.76 0.00	47.62 1.79 0.00	43.14 2.37 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	39.41 1.22 0.00	37.04 1.25 0.00	36.92 1.04 0.00	35.98 1.01 0.00	35.41 1.03 0.00	34.33 1.35 0.00	35.68 1.44 0.00	37.04 1.42 0.00	40.18 1.69 0.00	41.48 1.86 0.00	45.31 2.20 0.00	42.94 2.16 0.00	40.84 1.94 0.00	37.18 1.90 0.00	36.62 1.94 0.00	37.50 1.99 0.00	38.93 2.17 0.00	47.22 2.33 0.00	53.66 2.56 0.00	61.40 2.87 0.00	60.22 2.32 0.00	52.11 1.71 0.00	47.21 1.38 0.00	41.72 0.94 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	39.03 0.84 0.00	36.69 0.89 0.00	36.59 0.72 0.00	35.70 0.73 0.00	35.10 0.72 0.00	33.96 0.99 0.00	35.27 1.03 0.00	36.61 1.00 0.00	39.72 1.23 0.00	40.97 1.35 0.00	44.75 1.64 0.00	42.33 1.55 0.00	40.25 1.36 0.00	36.58 1.31 0.00	36.07 1.39 0.00	36.94 1.42 0.00	38.34 1.58 0.00	46.60 1.71 0.00	52.94 1.84 0.00	60.70 2.17 0.00	59.64 1.74 0.00	51.60 1.21 0.00	46.75 0.92 0.00	41.43 0.65 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	39.41 1.22 0.00	37.04 1.25 0.00	36.88 1.00 0.00	35.91 0.94 0.00	35.37 1.00 0.00	34.29 1.32 0.00	35.68 1.44 0.00	37.04 1.42 0.00	40.22 1.73 0.00	41.48 1.86 0.00	45.26 2.16 0.00	42.94 2.16 0.00	40.87 1.98 0.00	37.25 1.98 0.00	36.69 2.01 0.00	37.57 2.06 0.00	39.00 2.24 0.00	47.22 2.33 0.00	53.61 2.50 0.00	61.22 2.69 0.00	59.99 2.08 0.00	52.01 1.61 0.00	47.07 1.24 0.00	41.63 0.86 0.00
E179THST_13_KV_LOAD 356214	39.56 1.37 0.00	37.19 1.40 0.00	37.02 1.15 0.00	36.02 1.05 0.00	35.48 1.10 0.00	34.43 1.45 0.00	35.82 1.58 0.00	37.14 1.53 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.44 2.33 0.00	43.14 2.37 0.00	41.03 2.14 0.00	37.39 2.12 0.00	36.83 2.15 0.00	37.75 2.24 0.00	39.15 2.39 0.00	47.45 2.56 0.00	53.86 2.76 0.00	61.51 2.99 0.00	60.28 2.37 0.00	52.21 1.81 0.00	47.26 1.42 0.00	41.80 1.02 0.00
EAST HAMPTON___GT 23717	38.99 0.80 0.00	36.58 0.79 0.00	36.06 0.18 0.00	35.11 0.14 0.00	34.38 0.00 0.00	33.63 0.66 0.00	35.06 0.82 0.00	36.75 1.14 0.00	39.60 1.12 0.00	41.16 1.54 0.00	44.02 0.91 -0.01	42.17 1.39 -0.01	41.68 1.24 -1.54	40.37 1.48 -3.61	40.01 2.08 -3.25	39.09 2.24 -1.34	46.10 2.46 -6.88	53.48 2.88 -5.71	54.52 3.17 -0.24	62.05 3.51 -0.01	60.81 2.89 -0.01	52.58 2.17 -0.02	47.45 1.60 -0.01	41.64 0.86 0.00
EAST RIVER___6 23660	39.64 1.45 0.00	37.26 1.47 0.00	36.95 1.08 0.00	36.12 1.15 0.00	35.51 1.13 0.00	34.53 1.55 0.00	35.89 1.64 0.00	37.25 1.64 0.00	40.45 1.96 0.00	41.76 2.14 0.00	45.48 2.37 0.00	43.27 2.49 0.00	41.15 2.25 0.00	37.43 2.15 0.00	36.90 2.22 0.00	37.82 2.31 0.00	39.22 2.46 0.00	47.58 2.69 0.00	54.07 2.96 0.00	61.92 3.39 0.00	60.57 2.67 0.00	52.41 2.02 0.00	47.44 1.60 0.00	42.04 1.27 0.00
EAST RIVER___7 23524	39.64 1.45 0.00	37.26 1.47 0.00	36.95 1.08 0.00	36.12 1.15 0.00	35.51 1.13 0.00	34.53 1.55 0.00	35.89 1.64 0.00	37.25 1.64 0.00	40.45 1.96 0.00	41.76 2.14 0.00	45.48 2.37 0.00	43.27 2.49 0.00	41.15 2.25 0.00	37.43 2.15 0.00	36.90 2.22 0.00	37.82 2.31 0.00	39.22 2.46 0.00	47.58 2.69 0.00	54.07 2.96 0.00	61.92 3.39 0.00	60.57 2.67 0.00	52.41 2.02 0.00	47.44 1.60 0.00	42.04 1.27 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	39.33 1.15 0.00	36.97 1.18 0.00	36.84 0.97 0.00	35.91 0.94 0.00	35.34 0.96 0.00	34.26 1.29 0.00	35.58 1.34 0.00	36.93 1.32 0.00	40.06 1.58 0.00	41.36 1.74 0.00	45.18 2.07 0.00	42.82 2.04 0.00	40.72 1.83 0.00	37.08 1.80 0.00	36.52 1.84 0.00	37.40 1.88 0.00	38.78 2.02 0.00	47.09 2.20 0.00	53.51 2.40 0.00	61.22 2.69 0.00	60.05 2.14 0.00	52.01 1.61 0.00	47.07 1.24 0.00	41.63 0.86 0.00
EAST_HAMPTON___DIESEL 23722	38.91 0.72 0.00	36.51 0.72 0.00	35.98 0.11 0.00	35.04 0.07 0.00	34.31 -0.07 0.00	33.57 0.59 0.00	34.96 0.72 0.00	36.68 1.07 0.00	39.52 1.04 0.00	41.04 1.42 0.00	43.89 0.78 -0.01	42.09 1.30 -0.01	41.60 1.17 -1.54	40.30 1.41 -3.61	39.94 2.01 -3.25	39.05 2.20 -1.34	46.06 2.43 -6.88	53.43 2.83 -5.71	54.41 3.07 -0.24	61.99 3.45 -0.01	60.75 2.84 -0.01	52.53 2.12 -0.02	47.35 1.51 -0.01	41.59 0.82 0.00
EAST_POINT___SOLAR 323840	40.97 2.79 0.00	38.40 2.61 0.00	38.46 2.58 0.00	37.45 2.48 0.00	36.82 2.44 0.00	35.48 2.50 0.00	36.74 2.50 0.00	38.00 2.39 0.00	40.87 2.39 0.00	41.84 2.22 0.00	45.14 2.03 0.00	42.04 1.27 0.00	40.56 1.67 0.00	36.65 1.37 0.00	35.69 1.01 0.00	36.58 1.06 0.00	38.45 1.69 0.00	48.21 3.32 0.00	55.30 4.19 0.00	64.27 5.74 0.00	63.35 5.44 0.00	54.67 4.28 0.00	49.41 3.58 0.00	43.92 3.14 0.00
EAST_PULASKI___ESR 323781	37.69 -0.50 0.00	35.26 -0.54 0.00	35.34 -0.54 0.00	34.38 -0.59 0.00	33.79 -0.58 0.00	32.58 -0.39 0.00	33.80 -0.45 0.00	35.26 -0.36 0.00	38.06 -0.42 0.00	39.18 -0.43 0.00	42.59 -0.52 0.00	40.17 -0.61 0.00	38.35 -0.54 0.00	34.75 -0.53 0.00	34.09 -0.59 0.00	34.98 -0.53 0.00	36.17 -0.59 0.00	44.44 -0.45 0.00	50.80 -0.30 0.00	58.47 -0.06 0.00	57.73 -0.17 0.00	50.24 -0.15 0.00	45.70 -0.14 0.00	40.58 -0.20 0.00
EAST_RIVER___1 323558	39.56 1.37 0.00	37.19 1.39 0.00	36.88 1.00 0.00	36.06 1.09 0.00	35.44 1.07 0.00	34.46 1.49 0.00	35.82 1.58 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.35 2.24 0.00	43.14 2.36 0.00	41.03 2.14 0.00	37.36 2.08 0.00	36.83 2.15 0.00	37.75 2.24 0.00	39.15 2.39 0.00	47.49 2.60 0.00	53.91 2.81 0.00	61.75 3.22 0.00	60.45 2.55 0.00	52.31 1.91 0.00	47.35 1.51 0.00	41.92 1.14 0.00
EAST_RIVER___2 323559	39.64 1.45 0.00	37.26 1.47 0.00	36.95 1.08 0.00	36.12 1.15 0.00	35.51 1.13 0.00	34.53 1.55 0.00	35.89 1.64 0.00	37.25 1.64 0.00	40.45 1.96 0.00	41.76 2.14 0.00	45.48 2.37 0.00	43.27 2.49 0.00	41.15 2.25 0.00	37.43 2.15 0.00	36.90 2.22 0.00	37.82 2.31 0.00	39.22 2.46 0.00	47.58 2.69 0.00	54.07 2.96 0.00	61.92 3.39 0.00	60.57 2.67 0.00	52.41 2.02 0.00	47.44 1.60 0.00	42.04 1.27 0.00
EAST___DELAWARE_HYD 23607	38.83 0.65 0.00	36.51 0.72 0.00	36.38 0.50 0.00	35.53 0.56 0.00	34.89 0.52 0.00	33.77 0.79 0.00	35.06 0.82 0.00	36.39 0.78 0.00	39.45 0.96 0.00	40.69 1.07 0.00	44.31 1.21 0.00	41.96 1.18 0.00	39.90 1.01 0.00	36.23 0.95 0.00	35.69 1.01 0.00	36.58 1.06 0.00	37.93 1.18 0.00	46.28 1.39 0.00	52.69 1.59 0.00	60.46 1.93 0.00	59.47 1.56 0.00	51.45 1.06 0.00	46.61 0.78 0.00	41.35 0.57 0.00
EIGHT_POINT___WT_PWR 323820	38.68 0.50 0.00	35.72 -0.07 0.00	35.87 0.00 0.00	34.51 -0.46 0.00	33.97 -0.41 0.00	33.07 0.10 0.00	34.69 0.44 0.00	36.29 0.67 0.00	39.21 0.73 0.00	40.25 0.63 0.00	43.54 0.43 0.00	40.86 0.08 0.00	39.28 0.39 0.00	35.45 0.18 0.00	34.65 -0.03 0.00	35.55 0.04 0.00	36.72 -0.04 0.00	45.38 0.49 0.00	51.72 0.62 0.00	59.88 1.35 0.00	59.18 1.27 0.00	51.75 1.36 0.00	47.67 1.84 0.00	42.78 2.00 0.00
ELBRIDGE_115KV_TB2 80188	38.15 -0.04 0.00	35.61 -0.18 0.00	35.73 -0.14 0.00	34.69 -0.28 0.00	34.10 -0.28 0.00	32.94 -0.03 0.00	34.28 0.03 0.00	35.75 0.14 0.00	38.64 0.15 0.00	39.82 0.20 0.00	43.20 0.09 0.00	40.90 0.12 0.00	39.08 0.19 0.00	35.42 0.14 0.00	34.75 0.07 0.00	35.62 0.11 0.00	36.79 0.04 0.00	45.07 0.18 0.00	51.26 0.15 0.00	58.94 0.41 0.00	58.20 0.29 0.00	50.65 0.25 0.00	46.16 0.32 0.00	41.10 0.33 0.00
ELEC_TRO_TEK 24086	39.52 1.34 0.00	37.08 1.29 0.00	36.88 1.00 0.00	36.05 1.08 0.00	35.44 1.07 0.00	34.33 1.35 0.00	35.71 1.47 0.00	37.21 1.60 0.00	40.29 1.81 0.00	41.72 2.10 0.00	45.58 2.46 -0.02	43.08 2.28 -0.02	43.70 2.06 -2.75	43.71 2.01 -6.43	42.55 2.08 -5.78	40.02 2.13 -2.38	51.29 2.28 -12.25	57.57 2.51 -10.17	54.25 2.71 -0.44	61.53 2.99 -0.02	60.35 2.43 -0.02	52.35 1.91 -0.04	47.45 1.60 -0.02	41.96 1.18 0.00



ELLENBURG_WT_PWR 323604	37.65 -0.53 0.00	35.47 -0.32 0.00	35.77 -0.11 0.00	34.97 0.00 0.00	34.45 0.07 0.00	32.71 -0.26 0.00	33.97 -0.28 0.00	35.33 -0.29 0.00	37.95 -0.54 0.00	38.71 -0.91 0.00	42.03 -1.08 0.00	39.51 -1.26 0.00	37.64 -1.25 0.00	34.04 -1.24 0.00	33.43 -1.25 0.00	34.24 -1.28 0.00	35.55 -1.21 0.00	43.86 -1.03 0.00	50.28 -0.82 0.00	58.18 -0.35 0.00	58.14 0.23 0.00	50.95 0.56 0.00	46.43 0.59 0.00	41.47 0.69 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	38.03 -0.15 0.00	34.93 -0.86 0.00	35.19 -0.68 0.00	33.78 -1.19 0.00	33.21 -1.17 0.00	32.71 -0.26 0.00	34.24 0.00 0.00	35.72 0.11 0.00	38.48 0.00 0.00	39.54 -0.08 0.00	41.99 -1.12 0.00	40.17 -0.61 0.00	39.12 0.23 0.00	35.38 0.11 0.00	34.61 -0.07 0.00	35.37 -0.14 0.00	36.02 -0.74 0.00	43.99 -0.90 0.00	49.57 -1.53 0.00	57.42 -1.11 0.00	56.81 -1.10 0.00	49.99 -0.40 0.00	46.61 0.78 0.00	42.41 1.63 0.00
EMPIRE_CC_1 323656	38.42 0.23 0.00	36.11 0.32 0.00	36.06 0.18 0.00	35.28 0.31 0.00	34.65 0.27 0.00	33.44 0.46 0.00	34.72 0.48 0.00	35.93 0.32 0.00	38.76 0.27 0.00	39.90 0.28 0.00	43.45 0.34 0.00	41.27 0.49 0.00	39.24 0.35 0.00	35.73 0.46 0.00	35.20 0.52 0.00	36.01 0.50 0.00	37.31 0.55 0.00	45.25 0.36 0.00	51.41 0.31 0.00	58.94 0.41 0.00	57.85 -0.06 0.00	50.24 -0.15 0.00	45.52 -0.32 0.00	40.41 -0.37 0.00
EMPIRE_CC_2 323658	38.42 0.23 0.00	36.11 0.32 0.00	36.06 0.18 0.00	35.28 0.31 0.00	34.65 0.27 0.00	33.44 0.46 0.00	34.72 0.48 0.00	35.93 0.32 0.00	38.76 0.27 0.00	39.90 0.28 0.00	43.45 0.34 0.00	41.27 0.49 0.00	39.24 0.35 0.00	35.73 0.46 0.00	35.20 0.52 0.00	36.01 0.50 0.00	37.31 0.55 0.00	45.25 0.36 0.00	51.41 0.31 0.00	58.94 0.41 0.00	57.85 -0.06 0.00	50.24 -0.15 0.00	45.52 -0.32 0.00	40.41 -0.37 0.00
ENORWICH_115KV_TB1 80156	40.71 2.52 0.00	38.15 2.36 0.00	38.24 2.37 0.00	37.17 2.20 0.00	36.40 2.03 0.00	35.25 2.28 0.00	36.50 2.26 0.00	38.21 2.60 0.00	41.10 2.62 0.00	42.11 2.50 0.00	45.61 2.50 0.00	42.98 2.20 0.00	41.03 2.14 0.00	36.93 1.66 0.00	36.14 1.46 0.00	37.25 1.74 0.00	38.56 1.80 0.00	48.12 3.23 0.00	55.40 4.29 0.00	64.21 5.68 0.00	63.29 5.39 0.00	55.03 4.64 0.00	49.96 4.13 0.00	44.33 3.55 0.00
ERIE_ST__34_KV_TB1-2 80199	38.38 0.19 0.00	35.25 -0.54 0.00	35.48 -0.39 0.00	34.06 -0.91 0.00	33.52 -0.86 0.00	32.98 0.00 0.00	34.52 0.27 0.00	36.00 0.39 0.00	38.83 0.35 0.00	39.90 0.28 0.00	42.42 -0.69 0.00	40.53 -0.24 0.00	39.47 0.58 0.00	35.70 0.42 0.00	34.92 0.24 0.00	35.66 0.14 0.00	36.39 -0.37 0.00	44.58 -0.31 0.00	50.29 -0.82 0.00	58.30 -0.23 0.00	57.67 -0.23 0.00	50.59 0.20 0.00	47.16 1.33 0.00	42.78 2.00 0.00
ERIE_WT_PWR 323693	38.26 0.08 0.00	35.15 -0.64 0.00	35.41 -0.47 0.00	33.95 -1.02 0.00	33.59 -0.79 0.00	32.88 -0.10 0.00	34.41 0.17 0.00	35.93 0.32 0.00	38.72 0.23 0.00	39.82 0.20 0.00	43.07 -0.04 0.00	40.41 -0.37 0.00	39.39 0.50 0.00	35.63 0.35 0.00	34.85 0.17 0.00	35.44 -0.07 0.00	36.24 -0.51 0.00	44.31 -0.58 0.00	49.98 -1.12 0.00	57.83 -0.70 0.00	57.27 -0.64 0.00	50.34 -0.05 0.00	47.02 1.19 0.00	42.74 1.96 0.00
ESPRGFLD_115KV_TB1 80157	40.17 1.99 0.00	37.65 1.86 0.00	37.74 1.87 0.00	36.79 1.82 0.00	36.16 1.79 0.00	34.85 1.88 0.00	36.13 1.88 0.00	37.64 2.03 0.00	40.64 2.16 0.00	41.76 2.14 0.00	45.31 2.20 0.00	42.65 1.88 0.00	40.80 1.91 0.00	36.90 1.62 0.00	36.14 1.46 0.00	37.08 1.56 0.00	38.52 1.76 0.00	47.63 2.74 0.00	54.48 3.37 0.00	62.92 4.39 0.00	61.96 4.05 0.00	53.72 3.33 0.00	48.68 2.84 0.00	43.22 2.45 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	38.95 0.76 0.00	36.36 0.57 0.00	36.45 0.57 0.00	35.42 0.45 0.00	34.79 0.41 0.00	33.63 0.66 0.00	35.03 0.79 0.00	36.57 0.96 0.00	39.48 1.00 0.00	40.61 0.99 0.00	43.97 0.86 0.00	41.55 0.77 0.00	39.71 0.82 0.00	35.91 0.63 0.00	35.24 0.55 0.00	36.15 0.64 0.00	37.38 0.62 0.00	46.06 1.17 0.00	52.59 1.48 0.00	60.58 2.05 0.00	59.76 1.85 0.00	52.01 1.61 0.00	47.39 1.56 0.00	42.12 1.35 0.00
ETNA____115KV_TB2 80207	38.95 0.76 0.00	36.36 0.57 0.00	36.45 0.57 0.00	35.42 0.45 0.00	34.79 0.41 0.00	33.63 0.66 0.00	35.03 0.79 0.00	36.57 0.96 0.00	39.48 1.00 0.00	40.61 0.99 0.00	43.97 0.86 0.00	41.55 0.77 0.00	39.71 0.82 0.00	35.91 0.63 0.00	35.24 0.55 0.00	36.15 0.64 0.00	37.38 0.62 0.00	46.06 1.17 0.00	52.59 1.48 0.00	60.58 2.05 0.00	59.76 1.85 0.00	52.01 1.61 0.00	47.39 1.56 0.00	42.12 1.35 0.00
EUCLID____115KV_TB2 356179	37.92 -0.27 0.00	35.43 -0.36 0.00	35.52 -0.36 0.00	34.55 -0.42 0.00	33.93 -0.45 0.00	32.74 -0.23 0.00	34.07 -0.17 0.00	35.50 -0.11 0.00	38.37 -0.12 0.00	39.54 -0.08 0.00	42.94 -0.17 0.00	40.66 -0.12 0.00	38.85 -0.04 0.00	35.21 -0.07 0.00	34.58 -0.10 0.00	35.44 -0.07 0.00	36.57 -0.18 0.00	44.80 -0.09 0.00	50.95 -0.15 0.00	58.53 0.00 0.00	57.79 -0.12 0.00	50.29 -0.10 0.00	45.83 0.00 0.00	40.82 0.04 0.00
E_CANADA_CAP_HY 24051	40.55 2.37 0.00	38.05 2.26 0.00	38.10 2.23 0.00	37.10 2.13 0.00	36.47 2.10 0.00	35.15 2.18 0.00	36.44 2.19 0.00	37.86 2.24 0.00	40.79 2.31 0.00	41.88 2.26 0.00	45.39 2.28 0.00	42.61 1.84 0.00	40.76 1.87 0.00	36.90 1.62 0.00	36.10 1.42 0.00	37.01 1.49 0.00	38.63 1.87 0.00	47.85 2.96 0.00	54.79 3.68 0.00	63.56 5.03 0.00	62.59 4.69 0.00	54.07 3.68 0.00	48.95 3.12 0.00	43.47 2.69 0.00
E_CANADA_MHWK_HY 24050	37.42 -0.76 0.00	35.15 -0.64 0.00	35.26 -0.61 0.00	34.41 -0.56 0.00	33.69 -0.69 0.00	32.25 -0.73 0.00	33.39 -0.85 0.00	34.72 -0.89 0.00	37.48 -1.00 0.00	38.51 -1.11 0.00	41.90 -1.21 0.00	39.68 -1.10 0.00	37.80 -1.09 0.00	34.25 -1.02 0.00	33.67 -1.01 0.00	34.56 -0.96 0.00	35.77 -0.99 0.00	43.77 -1.12 0.00	49.98 -1.12 0.00	57.42 -1.11 0.00	56.80 -1.10 0.00	49.43 -0.96 0.00	45.01 -0.82 0.00	40.05 -0.73 0.00
E_FISHKILL____LBMP 23776	39.03 0.84 0.00	36.69 0.89 0.00	36.59 0.72 0.00	35.70 0.73 0.00	35.13 0.76 0.00	34.00 1.02 0.00	35.30 1.06 0.00	36.64 1.03 0.00	39.75 1.27 0.00	40.97 1.35 0.00	44.79 1.68 0.00	42.41 1.63 0.00	40.33 1.44 0.00	36.69 1.41 0.00	36.17 1.49 0.00	37.04 1.53 0.00	38.41 1.65 0.00	46.64 1.75 0.00	52.99 1.89 0.00	60.70 2.17 0.00	59.53 1.62 0.00	51.55 1.16 0.00	46.71 0.87 0.00	41.35 0.57 0.00
FALCON____SEABRD_CC1 323796	38.11 -0.08 0.00	35.90 0.11 0.00	36.23 0.36 0.00	35.42 0.45 0.00	34.86 0.48 0.00	33.14 0.17 0.00	34.41 0.17 0.00	35.75 0.14 0.00	38.41 -0.08 0.00	39.22 -0.40 0.00	42.59 -0.52 0.00	39.96 -0.82 0.00	38.11 -0.78 0.00	34.43 -0.85 0.00	33.81 -0.87 0.00	34.59 -0.92 0.00	35.95 -0.81 0.00	44.40 -0.49 0.00	50.95 -0.15 0.00	58.94 0.41 0.00	59.00 1.10 0.00	51.70 1.31 0.00	47.07 1.24 0.00	42.08 1.30 0.00



FALCON___SEABRD_CC2 323797	38.11 -0.08 0.00	35.90 0.11 0.00	36.23 0.36 0.00	35.42 0.45 0.00	34.86 0.48 0.00	33.14 0.17 0.00	34.41 0.17 0.00	35.75 0.14 0.00	38.41 -0.08 0.00	39.22 -0.40 0.00	42.59 -0.52 0.00	39.96 -0.82 0.00	38.11 -0.78 0.00	34.43 -0.85 0.00	33.81 -0.87 0.00	34.59 -0.92 0.00	35.95 -0.81 0.00	44.40 -0.49 0.00	50.95 -0.15 0.00	58.94 0.41 0.00	59.00 1.10 0.00	51.70 1.31 0.00	47.07 1.24 0.00	42.08 1.30 0.00
FAR ROCKAWAY___4 23548	40.02 1.83 0.00	37.55 1.75 0.00	37.31 1.43 0.00	36.47 1.50 0.00	35.82 1.44 0.00	34.72 1.75 0.00	36.13 1.88 0.00	37.71 2.10 0.00	40.83 2.35 0.00	42.27 2.65 0.00	46.18 3.06 -0.01	43.69 2.90 -0.01	44.01 2.61 -2.51	43.66 2.50 -5.87	42.54 2.57 -5.29	40.32 2.63 -2.17	50.75 2.79 -11.20	57.28 3.10 -9.29	54.87 3.37 -0.40	62.35 3.80 -0.01	61.16 3.24 -0.01	53.10 2.67 -0.04	48.14 2.29 -0.01	42.53 1.75 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	39.56 1.37 0.00	37.19 1.40 0.00	37.02 1.15 0.00	36.05 1.08 0.00	35.51 1.13 0.00	34.46 1.48 0.00	35.82 1.58 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.48 2.37 0.00	43.14 2.37 0.00	41.03 2.14 0.00	37.39 2.12 0.00	36.83 2.15 0.00	37.75 2.24 0.00	39.15 2.39 0.00	47.45 2.56 0.00	53.91 2.81 0.00	61.69 3.16 0.00	60.45 2.55 0.00	52.31 1.91 0.00	47.35 1.51 0.00	41.84 1.06 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	39.56 1.37 0.00	37.19 1.40 0.00	37.02 1.15 0.00	36.05 1.08 0.00	35.51 1.13 0.00	34.46 1.48 0.00	35.82 1.58 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.48 2.37 0.00	43.14 2.37 0.00	41.03 2.14 0.00	37.39 2.12 0.00	36.83 2.15 0.00	37.75 2.24 0.00	39.15 2.39 0.00	47.49 2.60 0.00	53.91 2.81 0.00	61.69 3.16 0.00	60.45 2.55 0.00	52.31 1.91 0.00	47.35 1.51 0.00	41.84 1.06 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	39.52 1.34 0.00	37.19 1.40 0.00	36.99 1.11 0.00	36.05 1.08 0.00	35.48 1.10 0.00	34.43 1.45 0.00	35.82 1.58 0.00	37.18 1.57 0.00	40.33 1.85 0.00	41.64 2.02 0.00	45.48 2.37 0.00	43.14 2.37 0.00	41.03 2.14 0.00	37.36 2.08 0.00	36.80 2.12 0.00	37.72 2.20 0.00	39.11 2.35 0.00	47.45 2.56 0.00	53.91 2.81 0.00	61.63 3.10 0.00	60.40 2.49 0.00	52.26 1.86 0.00	47.30 1.47 0.00	41.80 1.02 0.00
FARRAGUT___LBMP 323566	39.52 1.34 0.00	37.15 1.36 0.00	36.99 1.11 0.00	36.02 1.05 0.00	35.48 1.10 0.00	34.43 1.45 0.00	35.78 1.54 0.00	37.14 1.53 0.00	40.33 1.85 0.00	41.60 1.98 0.00	45.44 2.33 0.00	43.10 2.32 0.00	40.99 2.10 0.00	37.32 2.05 0.00	36.80 2.12 0.00	37.68 2.17 0.00	39.07 2.32 0.00	47.40 2.51 0.00	53.86 2.76 0.00	61.63 3.10 0.00	60.40 2.49 0.00	52.21 1.81 0.00	47.26 1.42 0.00	41.76 0.98 0.00
FENNER___WINDPWR 24204	38.76 0.57 0.00	36.29 0.50 0.00	36.38 0.50 0.00	35.42 0.45 0.00	34.79 0.41 0.00	33.54 0.56 0.00	34.79 0.55 0.00	36.29 0.67 0.00	39.14 0.65 0.00	40.29 0.67 0.00	43.84 0.73 0.00	41.35 0.57 0.00	39.51 0.62 0.00	35.73 0.46 0.00	35.10 0.42 0.00	36.01 0.50 0.00	37.23 0.48 0.00	45.79 0.90 0.00	52.28 1.18 0.00	60.17 1.64 0.00	59.35 1.45 0.00	51.65 1.26 0.00	46.98 1.15 0.00	41.72 0.94 0.00
FIBERTEK___ENERGY 23856	38.30 0.11 0.00	35.76 -0.04 0.00	35.87 0.00 0.00	34.86 -0.10 0.00	34.24 -0.14 0.00	33.04 0.07 0.00	34.41 0.17 0.00	35.90 0.28 0.00	38.79 0.31 0.00	40.01 0.40 0.00	43.45 0.34 0.00	41.10 0.33 0.00	39.28 0.39 0.00	35.59 0.32 0.00	34.92 0.24 0.00	35.80 0.28 0.00	36.98 0.22 0.00	45.29 0.40 0.00	51.56 0.46 0.00	59.23 0.70 0.00	58.49 0.58 0.00	50.90 0.50 0.00	46.38 0.55 0.00	41.23 0.45 0.00
FITZPATRICK____ 23598	37.50 -0.69 0.00	35.04 -0.75 0.00	35.16 -0.72 0.00	34.20 -0.77 0.00	33.62 -0.76 0.00	32.38 -0.59 0.00	33.69 -0.55 0.00	35.08 -0.53 0.00	37.83 -0.65 0.00	38.98 -0.64 0.00	42.42 -0.69 0.00	40.04 -0.73 0.00	38.27 -0.62 0.00	34.68 -0.60 0.00	34.06 -0.62 0.00	34.88 -0.64 0.00	36.06 -0.70 0.00	44.17 -0.72 0.00	50.28 -0.82 0.00	57.71 -0.82 0.00	57.04 -0.87 0.00	49.64 -0.75 0.00	45.24 -0.60 0.00	40.29 -0.49 0.00
FLOWRFLD_69_KV_BK1 356044	39.52 1.34 0.00	37.12 1.32 0.00	36.88 1.00 0.00	36.19 1.22 0.00	35.44 1.07 0.00	34.33 1.35 0.00	35.75 1.51 0.00	37.36 1.74 0.00	40.33 1.85 0.00	41.80 2.18 0.00	45.57 2.46 -0.01	43.15 2.37 -0.01	42.62 2.18 -1.56	41.10 2.19 -3.63	40.31 2.36 -3.27	39.27 2.41 -1.34	46.26 2.57 -6.93	53.51 2.87 -5.75	54.57 3.22 -0.25	61.93 3.39 -0.01	60.69 2.78 -0.01	52.74 2.32 -0.03	47.72 1.88 -0.01	42.08 1.30 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	39.29 1.11 0.00	36.94 1.15 0.00	36.84 0.97 0.00	35.91 0.94 0.00	35.34 0.96 0.00	34.20 1.22 0.00	35.54 1.30 0.00	36.82 1.21 0.00	39.99 1.50 0.00	41.28 1.66 0.00	45.14 2.03 0.00	42.65 1.88 0.00	40.56 1.67 0.00	36.86 1.59 0.00	36.35 1.66 0.00	37.18 1.67 0.00	38.60 1.84 0.00	46.95 2.06 0.00	53.35 2.25 0.00	61.16 2.63 0.00	60.11 2.20 0.00	51.96 1.56 0.00	47.12 1.28 0.00	41.72 0.94 0.00
FORT ORANGE____ 23900	38.42 0.23 0.00	36.11 0.32 0.00	36.09 0.22 0.00	35.25 0.28 0.00	34.65 0.27 0.00	33.40 0.43 0.00	34.65 0.41 0.00	35.93 0.32 0.00	38.79 0.31 0.00	39.93 0.32 0.00	43.37 0.26 0.00	41.23 0.45 0.00	39.20 0.31 0.00	35.63 0.35 0.00	35.10 0.42 0.00	35.91 0.39 0.00	37.23 0.48 0.00	45.21 0.32 0.00	51.41 0.31 0.00	59.17 0.65 0.00	58.14 0.23 0.00	50.39 0.00 0.00	45.65 -0.18 0.00	40.62 -0.16 0.00
FORT_DRUM_COGEN 23780	37.80 -0.38 0.00	35.51 -0.29 0.00	35.59 -0.29 0.00	34.69 -0.28 0.00	34.07 -0.31 0.00	32.78 -0.20 0.00	33.66 -0.58 0.00	35.15 -0.46 0.00	37.71 -0.77 0.00	38.67 -0.95 0.00	41.94 -1.16 0.00	39.51 -1.26 0.00	37.65 -1.24 0.00	34.08 -1.20 0.00	33.43 -1.25 0.00	34.38 -1.14 0.00	35.65 -1.10 0.00	44.35 -0.54 0.00	51.21 0.10 0.00	59.41 0.88 0.00	58.60 0.69 0.00	51.10 0.71 0.00	46.20 0.37 0.00	40.90 0.12 0.00
FOX_HILLS___ESR 323835	56.33 1.60 -16.54	56.32 1.65 -18.88	56.46 1.40 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.63 1.71 -2.94	55.63 1.81 -19.58	56.32 1.78 -18.92	57.11 2.08 -16.55	57.91 2.26 -16.03	58.82 2.54 -13.16	58.68 2.53 -15.37	58.67 2.33 -17.44	57.14 2.29 -19.57	57.13 2.36 -20.09	55.29 2.41 -17.36	57.30 2.57 -17.97	60.49 2.78 -12.82	61.36 3.02 -7.24	98.48 3.28 -36.67	98.54 2.66 -37.97	60.47 2.12 -7.96	59.87 1.74 -12.29	56.70 1.35 -14.57
FPL FAR_ROCK_GT1 24212	40.02 1.83 0.00	37.54 1.75 0.00	37.16 1.29 0.00	36.30 1.33 0.00	35.61 1.24 0.00	34.72 1.75 0.00	36.12 1.88 0.00	37.71 2.10 0.00	40.83 2.35 0.00	42.27 2.65 0.00	46.01 2.89 -0.01	43.69 2.90 -0.01	44.01 2.61 -2.51	43.62 2.47 -5.87	42.54 2.57 -5.29	40.35 2.66 -2.17	50.75 2.79 -11.20	57.28 3.10 -9.29	54.87 3.37 -0.40	62.41 3.86 -0.01	61.16 3.24 -0.01	53.11 2.67 -0.04	48.14 2.29 -0.01	42.33 1.55 0.00



FPL FAR_ROCK_GT2 23815	40.02 1.83 0.00	37.54 1.75 0.00	37.16 1.29 0.00	36.30 1.33 0.00	35.61 1.24 0.00	34.72 1.75 0.00	36.12 1.88 0.00	37.71 2.10 0.00	40.83 2.35 0.00	42.27 2.65 0.00	46.01 2.89 -0.01	43.69 2.90 -0.01	44.01 2.61 -2.51	43.62 2.47 -5.87	42.54 2.57 -5.29	40.35 2.66 -2.17	50.75 2.79 -11.20	57.28 3.10 -9.29	54.87 3.37 -0.40	62.41 3.86 -0.01	61.16 3.24 -0.01	53.11 2.67 -0.04	48.14 2.29 -0.01	42.33 1.55 0.00
FRANKLIN_FALL_HYD 24054	37.99 -0.19 0.00	35.76 -0.04 0.00	36.05 0.18 0.00	35.25 0.28 0.00	34.69 0.31 0.00	32.91 -0.07 0.00	34.14 -0.10 0.00	35.47 -0.14 0.00	38.18 -0.31 0.00	39.02 -0.59 0.00	42.42 -0.69 0.00	39.76 -1.02 0.00	37.96 -0.93 0.00	34.29 -0.99 0.00	33.67 -1.01 0.00	34.48 -1.03 0.00	35.80 -0.96 0.00	44.26 -0.63 0.00	50.75 -0.36 0.00	58.76 0.23 0.00	58.83 0.93 0.00	51.50 1.11 0.00	46.80 0.96 0.00	41.80 1.02 0.00
FREEPORT_EQUS_GT1 23764	39.83 1.64 0.00	37.36 1.57 0.00	37.02 1.15 0.00	36.12 1.15 0.00	35.44 1.07 0.00	34.56 1.58 0.00	35.95 1.71 0.00	37.53 1.92 0.00	40.60 2.12 0.00	42.04 2.42 0.00	45.75 2.63 -0.01	43.44 2.65 -0.01	43.42 2.41 -2.11	42.54 2.33 -4.94	41.52 2.39 -4.45	39.86 2.52 -1.83	48.82 2.65 -9.42	55.67 2.96 -7.82	54.71 3.27 -0.33	62.23 3.69 -0.01	60.99 3.07 -0.01	52.90 2.47 -0.03	47.96 2.11 -0.01	42.12 1.34 0.00
FREEPORT___CT2 23818	39.83 1.64 0.00	37.36 1.57 0.00	37.02 1.15 0.00	36.12 1.15 0.00	35.44 1.07 0.00	34.56 1.58 0.00	35.95 1.71 0.00	37.53 1.92 0.00	40.60 2.12 0.00	42.04 2.42 0.00	45.75 2.63 -0.01	43.44 2.65 -0.01	43.42 2.41 -2.11	42.54 2.33 -4.94	41.52 2.39 -4.45	39.86 2.52 -1.83	48.82 2.65 -9.42	55.67 2.96 -7.82	54.71 3.27 -0.33	62.23 3.69 -0.01	60.99 3.07 -0.01	52.90 2.47 -0.03	47.96 2.11 -0.01	42.12 1.34 0.00
FRESHKLS_33_KV_LOAD 356253	56.29 1.57 -16.54	56.28 1.61 -18.88	56.43 1.36 -19.19	53.26 1.33 -16.96	55.20 1.38 -19.45	37.63 1.71 -2.94	55.63 1.81 -19.58	56.28 1.74 -18.92	57.04 2.00 -16.55	57.79 2.14 -16.03	58.69 2.41 -13.16	58.55 2.41 -15.37	58.55 2.22 -17.44	57.07 2.22 -19.57	57.03 2.25 -20.09	55.22 2.34 -17.36	57.23 2.50 -17.97	60.36 2.65 -12.82	61.21 2.86 -7.24	64.74 3.10 -3.11	64.09 2.55 -3.63	60.37 2.02 -7.96	59.82 1.70 -12.29	56.66 1.30 -14.57
FULTON COGEN____ 23766	37.73 -0.46 0.00	35.25 -0.54 0.00	35.34 -0.54 0.00	34.38 -0.59 0.00	33.76 -0.62 0.00	32.58 -0.40 0.00	33.90 -0.34 0.00	35.33 -0.28 0.00	38.21 -0.27 0.00	39.38 -0.24 0.00	42.76 -0.34 0.00	40.49 -0.29 0.00	38.66 -0.23 0.00	35.03 -0.25 0.00	34.37 -0.31 0.00	35.23 -0.28 0.00	36.39 -0.37 0.00	44.53 -0.36 0.00	50.69 -0.41 0.00	58.30 -0.23 0.00	57.56 -0.35 0.00	50.04 -0.35 0.00	45.61 -0.23 0.00	40.57 -0.20 0.00
FULTON___LFGE 323630	40.51 2.33 0.00	38.01 2.22 0.00	38.06 2.19 0.00	37.07 2.10 0.00	36.44 2.06 0.00	35.09 2.11 0.00	36.40 2.16 0.00	37.82 2.21 0.00	40.75 2.27 0.00	41.88 2.26 0.00	45.44 2.33 0.00	42.74 1.96 0.00	40.80 1.91 0.00	36.93 1.66 0.00	36.20 1.52 0.00	37.08 1.56 0.00	38.67 1.91 0.00	47.77 2.88 0.00	54.63 3.52 0.00	63.38 4.86 0.00	62.43 4.52 0.00	53.92 3.53 0.00	48.77 2.94 0.00	43.35 2.57 0.00
G.F.CEMENT___DRP 24184	39.83 1.64 0.00	37.44 1.65 0.00	37.42 1.54 0.00	36.51 1.54 0.00	35.89 1.51 0.00	34.56 1.58 0.00	35.85 1.61 0.00	37.36 1.74 0.00	40.37 1.89 0.00	41.72 2.10 0.00	45.48 2.37 0.00	42.94 2.16 0.00	40.76 1.87 0.00	36.93 1.66 0.00	36.28 1.60 0.00	37.08 1.56 0.00	38.56 1.80 0.00	47.09 2.20 0.00	53.66 2.56 0.00	62.10 3.57 0.00	61.09 3.18 0.00	52.76 2.37 0.00	47.71 1.88 0.00	42.41 1.63 0.00
GARDENVILLE___LBMP 24039	38.15 -0.04 0.00	35.04 -0.75 0.00	35.30 -0.57 0.00	33.89 -1.08 0.00	33.31 -1.07 0.00	32.81 -0.16 0.00	34.31 0.07 0.00	35.79 0.18 0.00	38.60 0.12 0.00	39.66 0.04 0.00	42.16 -0.95 0.00	40.29 -0.49 0.00	39.24 0.35 0.00	35.49 0.21 0.00	34.72 0.03 0.00	35.44 -0.07 0.00	36.13 -0.62 0.00	44.17 -0.72 0.00	49.78 -1.33 0.00	57.71 -0.82 0.00	57.10 -0.81 0.00	50.19 -0.20 0.00	46.80 0.96 0.00	42.53 1.75 0.00
GARDNVLA_35_KV_LD 355827	38.34 0.15 0.00	35.22 -0.57 0.00	35.44 -0.43 0.00	34.03 -0.94 0.00	33.45 -0.93 0.00	32.94 -0.03 0.00	34.48 0.24 0.00	36.00 0.39 0.00	38.83 0.35 0.00	39.90 0.28 0.00	42.38 -0.73 0.00	40.53 -0.24 0.00	39.51 0.62 0.00	35.73 0.46 0.00	34.96 0.28 0.00	35.66 0.14 0.00	36.35 -0.40 0.00	44.44 -0.45 0.00	50.08 -1.02 0.00	58.00 -0.53 0.00	57.39 -0.52 0.00	50.49 0.10 0.00	47.12 1.28 0.00	42.82 2.04 0.00
GELCKHM___115KV_LOAD 80723	38.03 -0.15 0.00	35.54 -0.25 0.00	35.62 -0.25 0.00	34.66 -0.31 0.00	34.03 -0.34 0.00	32.84 -0.13 0.00	34.21 -0.03 0.00	35.65 0.04 0.00	38.52 0.04 0.00	39.70 0.08 0.00	43.11 0.00 0.00	40.82 0.04 0.00	39.01 0.12 0.00	35.35 0.07 0.00	34.68 0.00 0.00	35.55 0.04 0.00	36.72 -0.04 0.00	44.98 0.09 0.00	51.15 0.05 0.00	58.76 0.23 0.00	58.02 0.12 0.00	50.49 0.10 0.00	46.02 0.18 0.00	40.94 0.16 0.00
GENERAL___MILLS 23808	38.26 0.08 0.00	35.11 -0.68 0.00	35.37 -0.50 0.00	33.96 -1.01 0.00	33.38 -1.00 0.00	32.88 -0.10 0.00	34.41 0.17 0.00	35.90 0.28 0.00	38.72 0.23 0.00	39.78 0.16 0.00	42.25 -0.86 0.00	40.41 -0.37 0.00	39.40 0.51 0.00	35.59 0.32 0.00	34.82 0.14 0.00	35.55 0.04 0.00	36.21 -0.55 0.00	44.31 -0.58 0.00	49.93 -1.18 0.00	57.83 -0.70 0.00	57.21 -0.69 0.00	50.29 -0.10 0.00	46.98 1.15 0.00	42.65 1.88 0.00
GE_PLASTICS___DRP 24183	38.38 0.19 0.00	36.08 0.29 0.00	36.09 0.22 0.00	35.25 0.28 0.00	34.65 0.28 0.00	33.37 0.40 0.00	34.65 0.41 0.00	35.93 0.32 0.00	38.83 0.35 0.00	39.97 0.36 0.00	43.58 0.47 0.00	41.27 0.49 0.00	39.28 0.39 0.00	35.70 0.42 0.00	35.17 0.49 0.00	35.98 0.46 0.00	37.27 0.51 0.00	45.29 0.40 0.00	51.46 0.36 0.00	59.17 0.64 0.00	58.14 0.23 0.00	50.44 0.05 0.00	45.74 -0.09 0.00	40.66 -0.12 0.00
GILBOA___1 23756	38.61 0.42 0.00	36.26 0.46 0.00	36.48 0.61 0.00	35.60 0.63 0.00	35.00 0.62 0.00	33.54 0.56 0.00	34.82 0.58 0.00	36.18 0.57 0.00	39.14 0.65 0.00	40.29 0.67 0.00	43.89 0.78 0.00	41.59 0.82 0.00	39.59 0.70 0.00	35.98 0.71 0.00	35.41 0.73 0.00	36.26 0.75 0.00	37.57 0.81 0.00	45.74 0.85 0.00	52.02 0.92 0.00	59.64 1.11 0.00	58.60 0.70 0.00	50.95 0.56 0.00	46.25 0.41 0.00	41.07 0.29 0.00
GILBOA___2 23757	38.61 0.42 0.00	36.26 0.46 0.00	36.48 0.61 0.00	35.60 0.63 0.00	35.00 0.62 0.00	33.54 0.56 0.00	34.82 0.58 0.00	36.18 0.57 0.00	39.14 0.65 0.00	40.29 0.67 0.00	43.89 0.78 0.00	41.59 0.82 0.00	39.59 0.70 0.00	35.98 0.71 0.00	35.41 0.73 0.00	36.26 0.75 0.00	37.57 0.81 0.00	45.74 0.85 0.00	52.02 0.92 0.00	59.64 1.11 0.00	58.60 0.70 0.00	50.95 0.56 0.00	46.25 0.41 0.00	41.07 0.29 0.00



GILBOA___3 23758	38.61 0.42 0.00	36.26 0.46 0.00	36.48 0.61 0.00	35.60 0.63 0.00	35.00 0.62 0.00	33.54 0.56 0.00	34.82 0.58 0.00	36.18 0.57 0.00	39.14 0.65 0.00	40.29 0.67 0.00	43.89 0.78 0.00	41.59 0.82 0.00	39.59 0.70 0.00	35.98 0.71 0.00	35.41 0.73 0.00	36.26 0.75 0.00	37.57 0.81 0.00	45.74 0.85 0.00	52.02 0.92 0.00	59.64 1.11 0.00	58.60 0.70 0.00	50.95 0.56 0.00	46.25 0.41 0.00	41.07 0.29 0.00
GILBOA___4 23759	38.61 0.42 0.00	36.26 0.46 0.00	36.48 0.61 0.00	35.60 0.63 0.00	35.00 0.62 0.00	33.54 0.56 0.00	34.82 0.58 0.00	36.18 0.57 0.00	39.14 0.65 0.00	40.29 0.67 0.00	43.89 0.78 0.00	41.59 0.82 0.00	39.59 0.70 0.00	35.98 0.71 0.00	35.41 0.73 0.00	36.26 0.75 0.00	37.57 0.81 0.00	45.74 0.85 0.00	52.02 0.92 0.00	59.64 1.11 0.00	58.60 0.70 0.00	50.95 0.56 0.00	46.25 0.41 0.00	41.07 0.29 0.00
GILBOA___ 23599	38.61 0.42 0.00	36.26 0.47 0.00	36.38 0.50 0.00	35.60 0.63 0.00	35.00 0.62 0.00	33.54 0.56 0.00	34.82 0.58 0.00	36.18 0.57 0.00	39.14 0.65 0.00	40.29 0.67 0.00	43.93 0.82 0.00	41.59 0.82 0.00	39.59 0.70 0.00	35.98 0.71 0.00	35.41 0.73 0.00	36.26 0.75 0.00	37.57 0.81 0.00	45.74 0.85 0.00	52.02 0.92 0.00	59.64 1.11 0.00	58.60 0.69 0.00	50.95 0.55 0.00	46.25 0.41 0.00	41.06 0.29 0.00
GINNA___ 23603	36.28 -1.91 0.00	33.68 -2.11 0.00	33.87 -2.01 0.00	32.73 -2.24 0.00	32.24 -2.13 0.00	31.33 -1.65 0.00	32.63 -1.61 0.00	34.08 -1.53 0.00	36.79 -1.69 0.00	37.88 -1.74 0.00	41.21 -1.90 0.00	38.74 -2.04 0.00	37.22 -1.67 0.00	33.62 -1.66 0.00	32.95 -1.73 0.00	33.70 -1.81 0.00	34.74 -2.02 0.00	42.60 -2.29 0.00	48.34 -2.76 0.00	55.60 -2.92 0.00	55.30 -2.60 0.00	48.28 -2.11 0.00	44.41 -1.42 0.00	39.64 -1.14 0.00
GLEN PARK___ 23778	37.96 -0.23 0.00	35.61 -0.18 0.00	35.73 -0.14 0.00	34.80 -0.17 0.00	34.21 -0.17 0.00	32.91 -0.07 0.00	33.76 -0.48 0.00	35.26 -0.36 0.00	37.83 -0.65 0.00	38.75 -0.87 0.00	42.07 -1.04 0.00	39.59 -1.18 0.00	37.68 -1.21 0.00	34.11 -1.16 0.00	33.47 -1.21 0.00	34.41 -1.10 0.00	35.69 -1.07 0.00	44.49 -0.40 0.00	51.41 0.31 0.00	59.76 1.23 0.00	58.95 1.04 0.00	51.35 0.96 0.00	46.39 0.55 0.00	41.07 0.29 0.00
GLENDALE_27_KV_LOAD 356172	39.71 1.53 0.00	37.37 1.57 0.00	37.20 1.33 0.00	36.23 1.26 0.00	35.65 1.27 0.00	34.59 1.62 0.00	35.99 1.75 0.00	37.36 1.74 0.00	40.56 2.08 0.00	41.88 2.26 0.00	45.65 2.54 0.00	43.35 2.57 0.00	41.26 2.37 0.00	37.57 2.29 0.00	37.00 2.32 0.00	37.93 2.41 0.00	39.33 2.57 0.00	47.67 2.78 0.00	54.12 3.02 0.00	61.87 3.34 0.00	60.63 2.72 0.00	52.51 2.12 0.00	47.53 1.70 0.00	42.00 1.22 0.00
GLENWOOD_IC_1_G5 23712	39.67 1.49 0.00	37.26 1.47 0.00	37.09 1.22 0.00	36.19 1.22 0.00	35.61 1.24 0.00	34.49 1.52 0.00	35.89 1.64 0.00	37.36 1.74 0.00	40.49 2.00 0.00	41.88 2.26 0.00	45.75 2.63 -0.02	43.32 2.53 -0.02	43.88 2.29 -2.70	43.80 2.22 -6.30	42.64 2.29 -5.68	40.19 2.34 -2.33	51.27 2.50 -12.02	57.60 2.74 -9.97	54.55 3.02 -0.43	61.94 3.39 -0.02	60.70 2.78 -0.02	52.60 2.17 -0.04	47.68 1.83 -0.02	42.12 1.35 0.00
GLENWOOD_IC_2_G1 23688	39.48 1.30 0.00	37.08 1.29 0.00	36.81 0.93 0.00	35.95 0.98 0.00	35.34 0.96 0.00	34.36 1.38 0.00	35.71 1.47 0.00	37.14 1.53 0.00	40.26 1.77 0.00	41.60 1.98 0.00	45.26 2.15 0.00	43.02 2.24 0.00	41.03 2.02 -0.12	37.52 1.97 -0.27	36.97 2.05 -0.24	37.74 2.13 -0.10	39.51 2.24 -0.51	47.78 2.47 -0.43	53.78 2.66 -0.02	61.57 3.04 0.00	60.34 2.43 0.00	52.26 1.87 0.00	47.35 1.51 0.00	41.80 1.02 0.00
GLENWOOD_IC_3_G1 23689	39.48 1.30 0.00	37.08 1.29 0.00	36.81 0.93 0.00	35.95 0.98 0.00	35.34 0.96 0.00	34.36 1.38 0.00	35.71 1.47 0.00	37.14 1.53 0.00	40.26 1.77 0.00	41.60 1.98 0.00	45.26 2.15 0.00	43.02 2.24 0.00	41.03 2.02 -0.12	37.52 1.97 -0.27	36.97 2.05 -0.24	37.74 2.13 -0.10	39.51 2.24 -0.51	47.78 2.47 -0.43	53.78 2.66 -0.02	61.57 3.04 0.00	60.34 2.43 0.00	52.26 1.87 0.00	47.35 1.51 0.00	41.80 1.02 0.00
GLENWOOD___4 23550	39.67 1.49 0.00	37.26 1.47 0.00	37.09 1.22 0.00	36.19 1.22 0.00	35.61 1.24 0.00	34.49 1.52 0.00	35.89 1.64 0.00	37.36 1.74 0.00	40.49 2.00 0.00	41.88 2.26 0.00	45.75 2.63 -0.02	43.32 2.53 -0.02	43.88 2.29 -2.70	43.80 2.22 -6.30	42.64 2.29 -5.68	40.19 2.34 -2.33	51.27 2.50 -12.02	57.60 2.74 -9.97	54.55 3.02 -0.43	61.94 3.39 -0.02	60.70 2.78 -0.02	52.60 2.17 -0.04	47.68 1.83 -0.02	42.12 1.35 0.00
GLENWOOD___5 23614	39.67 1.49 0.00	37.26 1.47 0.00	37.09 1.22 0.00	36.19 1.22 0.00	35.61 1.24 0.00	34.49 1.52 0.00	35.89 1.64 0.00	37.36 1.74 0.00	40.49 2.00 0.00	41.88 2.26 0.00	45.75 2.63 -0.02	43.32 2.53 -0.02	43.88 2.29 -2.70	43.80 2.22 -6.30	42.64 2.29 -5.68	40.19 2.34 -2.33	51.27 2.50 -12.02	57.60 2.74 -9.97	54.55 3.02 -0.43	61.94 3.39 -0.02	60.70 2.78 -0.02	52.60 2.17 -0.04	47.68 1.83 -0.02	42.12 1.35 0.00
GLOBAL GREEN_PORT_GT1 23814	39.22 1.03 0.00	36.79 1.00 0.00	36.31 0.43 0.00	35.39 0.42 0.00	34.68 0.31 0.00	33.90 0.92 0.00	35.34 1.10 0.00	37.07 1.46 0.00	39.95 1.46 0.00	41.48 1.86 0.00	44.54 1.42 -0.01	42.58 1.79 -0.01	42.07 1.63 -1.54	40.68 1.80 -3.61	40.25 2.32 -3.25	39.27 2.42 -1.34	46.28 2.65 -6.88	53.69 3.10 -5.71	54.72 3.37 -0.24	62.29 3.75 -0.01	61.04 3.12 -0.01	52.84 2.42 -0.02	47.68 1.84 -0.01	41.76 0.98 0.00
GLOBE___DSASP 323697	37.46 -0.73 0.00	34.40 -1.40 0.00	34.66 -1.22 0.00	33.29 -1.68 0.00	32.73 -1.65 0.00	32.25 -0.73 0.00	33.35 -0.89 0.00	34.83 -0.78 0.00	37.52 -0.96 0.00	38.47 -1.15 0.00	40.78 -2.33 0.00	39.11 -1.67 0.00	38.03 -0.86 0.00	34.43 -0.85 0.00	33.71 -0.97 0.00	34.45 -1.07 0.00	35.07 -1.69 0.00	42.69 -2.20 0.00	47.99 -3.12 0.00	55.49 -3.04 0.00	54.95 -2.95 0.00	48.38 -2.02 0.00	45.24 -0.60 0.00	41.43 0.65 0.00
GOETHSLN___LBMP 323567	39.37 1.18 0.00	37.04 1.25 0.00	36.84 0.97 0.00	35.91 0.94 0.00	35.34 0.96 0.00	34.29 1.32 0.00	35.68 1.44 0.00	37.04 1.42 0.00	40.18 1.69 0.00	41.48 1.86 0.00	45.31 2.20 0.00	42.98 2.20 0.00	40.87 1.98 0.00	37.22 1.94 0.00	36.69 2.01 0.00	37.57 2.06 0.00	38.96 2.21 0.00	47.22 2.33 0.00	53.66 2.56 0.00	61.40 2.87 0.00	60.16 2.26 0.00	52.01 1.61 0.00	47.07 1.24 0.00	41.63 0.86 0.00
GOLAH___69_KV_TB 1_2 80279	37.96 -0.23 0.00	35.18 -0.61 0.00	35.37 -0.50 0.00	34.17 -0.80 0.00	33.59 -0.79 0.00	32.88 -0.10 0.00	34.28 0.03 0.00	35.72 0.11 0.00	38.41 -0.08 0.00	39.42 -0.20 0.00	42.20 -0.91 0.00	40.17 -0.61 0.00	38.70 -0.19 0.00	35.03 -0.25 0.00	34.30 -0.38 0.00	35.12 -0.39 0.00	36.06 -0.70 0.00	44.13 -0.76 0.00	50.03 -1.07 0.00	57.77 -0.76 0.00	57.39 -0.52 0.00	50.29 -0.10 0.00	46.48 0.64 0.00	41.80 1.02 0.00



GOODYEAR_LAKE_HYD 323669	39.48 1.30 0.00	37.01 1.22 0.00	37.09 1.22 0.00	36.19 1.22 0.00	35.58 1.20 0.00	34.29 1.32 0.00	35.58 1.34 0.00	37.07 1.46 0.00	40.06 1.58 0.00	41.24 1.62 0.00	44.83 1.72 0.00	42.33 1.55 0.00	40.41 1.52 0.00	36.58 1.31 0.00	35.89 1.21 0.00	36.83 1.31 0.00	38.15 1.40 0.00	46.91 2.02 0.00	53.51 2.40 0.00	61.57 3.04 0.00	60.57 2.66 0.00	52.61 2.22 0.00	47.76 1.93 0.00	42.37 1.59 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	38.49 0.31 0.00	35.90 0.11 0.00	35.98 0.11 0.00	34.97 0.00 0.00	34.34 -0.03 0.00	33.24 0.26 0.00	34.65 0.41 0.00	36.15 0.53 0.00	39.06 0.58 0.00	40.21 0.59 0.00	43.50 0.39 0.00	41.23 0.45 0.00	39.47 0.58 0.00	35.77 0.49 0.00	35.10 0.42 0.00	35.94 0.43 0.00	37.13 0.37 0.00	45.47 0.58 0.00	51.72 0.61 0.00	59.52 0.99 0.00	58.72 0.81 0.00	51.10 0.71 0.00	46.71 0.87 0.00	41.68 0.90 0.00
GOUDEY___7 23579	38.49 0.31 0.00	35.90 0.11 0.00	35.98 0.11 0.00	34.97 0.00 0.00	34.34 -0.03 0.00	33.24 0.26 0.00	34.65 0.41 0.00	36.15 0.53 0.00	39.06 0.58 0.00	40.21 0.59 0.00	43.50 0.39 0.00	41.23 0.45 0.00	39.47 0.58 0.00	35.77 0.49 0.00	35.10 0.42 0.00	35.94 0.43 0.00	37.13 0.37 0.00	45.47 0.58 0.00	51.72 0.61 0.00	59.52 0.99 0.00	58.72 0.81 0.00	51.10 0.71 0.00	46.71 0.87 0.00	41.68 0.90 0.00
GOUDEY___8 23580	38.49 0.31 0.00	35.90 0.11 0.00	35.98 0.11 0.00	34.97 0.00 0.00	34.34 -0.03 0.00	33.24 0.26 0.00	34.65 0.41 0.00	36.15 0.53 0.00	39.06 0.58 0.00	40.21 0.59 0.00	43.50 0.39 0.00	41.23 0.45 0.00	39.47 0.58 0.00	35.77 0.49 0.00	35.10 0.42 0.00	35.94 0.43 0.00	37.13 0.37 0.00	45.47 0.58 0.00	51.72 0.61 0.00	59.52 0.99 0.00	58.72 0.81 0.00	51.10 0.71 0.00	46.71 0.87 0.00	41.68 0.90 0.00
GOWANUS_GT1_1 24077	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57
GOWANUS_GT1_2 24078	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57
GOWANUS_GT1_3 24079	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57
GOWANUS_GT1_4 24080	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57
GOWANUS_GT1_5 24084	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57
GOWANUS_GT1_6 24111	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57
GOWANUS_GT1_7 24112	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57
GOWANUS_GT1_8 24113	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57
GOWANUS_GT2_1 24114	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
GOWANUS_GT2_2 24115	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
GOWANUS_GT2_3 24116	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57



GOWANUS_GT2_4 24117	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
GOWANUS_GT2_5 24118	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
GOWANUS_GT2_6 24119	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
GOWANUS_GT2_7 24120	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
GOWANUS_GT2_8 24121	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
GOWANUS_GT3_1 24122	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
GOWANUS_GT3_2 24123	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
GOWANUS_GT3_3 24124	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
GOWANUS_GT3_4 24125	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
GOWANUS_GT3_5 24126	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
GOWANUS_GT3_6 24127	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
GOWANUS_GT3_7 24128	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
GOWANUS_GT3_8 24129	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
GOWANUS_GT4_1 24130	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57
GOWANUS_GT4_2 24131	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57



GOWANUS_GT4_3 24132	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57
GOWANUS_GT4_4 24133	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57
GOWANUS_GT4_5 24134	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57
GOWANUS_GT4_6 24135	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57
GOWANUS_GT4_7 24136	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57
GOWANUS_GT4_8 24137	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57
GREENBSH_115KV_TB3 55895	38.22 0.04 0.00	35.93 0.14 0.00	35.91 0.04 0.00	35.07 0.10 0.00	34.51 0.14 0.00	33.24 0.26 0.00	34.52 0.27 0.00	35.79 0.18 0.00	38.64 0.15 0.00	39.82 0.20 0.00	43.37 0.26 0.00	41.10 0.33 0.00	39.08 0.19 0.00	35.56 0.28 0.00	35.03 0.35 0.00	35.80 0.28 0.00	37.13 0.37 0.00	45.02 0.13 0.00	51.15 0.05 0.00	58.82 0.29 0.00	57.73 -0.17 0.00	50.09 -0.30 0.00	45.42 -0.41 0.00	40.41 -0.37 0.00
GREENDGE_115KV_TB5 80291	38.64 0.46 0.00	35.86 0.07 0.00	36.02 0.14 0.00	34.83 -0.14 0.00	34.20 -0.17 0.00	33.27 0.30 0.00	34.79 0.55 0.00	36.36 0.75 0.00	39.25 0.77 0.00	40.37 0.75 0.00	43.41 0.30 0.00	41.14 0.37 0.00	39.43 0.54 0.00	35.63 0.35 0.00	34.89 0.21 0.00	35.83 0.32 0.00	36.98 0.22 0.00	45.56 0.67 0.00	51.92 0.82 0.00	59.64 1.11 0.00	58.89 0.98 0.00	51.60 1.21 0.00	47.30 1.47 0.00	42.21 1.43 0.00
GREENIDGE___3 23582	38.64 0.46 0.00	35.86 0.07 0.00	36.02 0.14 0.00	34.83 -0.14 0.00	34.20 -0.17 0.00	33.27 0.30 0.00	34.79 0.55 0.00	36.36 0.75 0.00	39.25 0.77 0.00	40.37 0.75 0.00	43.41 0.30 0.00	41.14 0.37 0.00	39.43 0.54 0.00	35.63 0.35 0.00	34.89 0.21 0.00	35.83 0.32 0.00	36.98 0.22 0.00	45.56 0.67 0.00	51.92 0.82 0.00	59.64 1.11 0.00	58.89 0.98 0.00	51.60 1.21 0.00	47.30 1.47 0.00	42.21 1.43 0.00
GREENIDGE___4 23583	38.64 0.46 0.00	35.86 0.07 0.00	36.02 0.14 0.00	34.83 -0.14 0.00	34.27 -0.10 0.00	33.27 0.30 0.00	34.79 0.55 0.00	36.36 0.75 0.00	39.25 0.77 0.00	40.37 0.75 0.00	43.76 0.65 0.00	41.14 0.37 0.00	39.43 0.54 0.00	35.63 0.35 0.00	34.89 0.21 0.00	35.76 0.25 0.00	36.98 0.22 0.00	45.56 0.67 0.00	51.92 0.82 0.00	59.64 1.11 0.00	58.89 0.98 0.00	51.60 1.21 0.00	47.30 1.47 0.00	42.20 1.43 0.00
GREENLWN_69_KV_BK 3 55738	39.75 1.57 0.00	37.29 1.50 0.00	37.06 1.18 0.00	36.26 1.29 0.00	35.61 1.24 0.00	34.49 1.52 0.00	35.92 1.68 0.00	37.50 1.89 0.00	40.56 2.08 0.00	42.00 2.38 0.00	45.88 2.76 -0.01	43.40 2.61 -0.01	42.86 2.37 -1.59	41.33 2.33 -3.72	40.46 2.43 -3.35	39.38 2.49 -1.38	46.50 2.65 -7.09	53.74 2.96 -5.89	54.58 3.22 -0.25	62.05 3.51 -0.01	60.81 2.90 -0.01	52.79 2.37 -0.03	47.86 2.02 -0.01	42.25 1.47 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57
GRISSOM___SOLAR 323813	40.32 2.14 0.00	37.83 2.04 0.00	37.88 2.01 0.00	36.89 1.92 0.00	36.27 1.89 0.00	34.92 1.95 0.00	36.23 1.99 0.00	37.68 2.06 0.00	40.60 2.12 0.00	41.76 2.14 0.00	45.31 2.20 0.00	42.65 1.88 0.00	40.72 1.83 0.00	36.87 1.59 0.00	36.17 1.49 0.00	37.04 1.53 0.00	38.59 1.84 0.00	47.54 2.65 0.00	54.33 3.22 0.00	62.98 4.45 0.00	62.02 4.11 0.00	53.62 3.23 0.00	48.49 2.66 0.00	43.10 2.32 0.00
GROVEVILLE___HYD 323602	39.29 1.11 0.00	36.94 1.15 0.00	36.84 0.97 0.00	35.91 0.94 0.00	35.34 0.96 0.00	34.20 1.22 0.00	35.54 1.30 0.00	36.82 1.21 0.00	39.99 1.50 0.00	41.28 1.66 0.00	45.14 2.03 0.00	42.65 1.88 0.00	40.56 1.67 0.00	36.86 1.59 0.00	36.35 1.66 0.00	37.18 1.67 0.00	38.60 1.84 0.00	46.95 2.06 0.00	53.35 2.25 0.00	61.16 2.63 0.00	60.11 2.20 0.00	51.96 1.56 0.00	47.12 1.28 0.00	41.72 0.94 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	38.30 0.11 0.00	35.76 -0.04 0.00	35.87 0.00 0.00	34.86 -0.10 0.00	34.24 -0.14 0.00	33.04 0.07 0.00	34.41 0.17 0.00	35.90 0.28 0.00	38.79 0.31 0.00	40.01 0.40 0.00	43.45 0.34 0.00	41.10 0.33 0.00	39.28 0.39 0.00	35.59 0.32 0.00	34.92 0.24 0.00	35.80 0.28 0.00	36.98 0.22 0.00	45.29 0.40 0.00	51.56 0.46 0.00	59.23 0.70 0.00	58.49 0.58 0.00	50.90 0.50 0.00	46.38 0.55 0.00	41.23 0.45 0.00



HAMLTNNY_34_KV_TB 80303	38.34 0.15 0.00	35.79 0.00 0.00	35.91 0.04 0.00	34.86 -0.10 0.00	34.24 -0.14 0.00	33.11 0.13 0.00	34.48 0.24 0.00	35.97 0.36 0.00	38.91 0.42 0.00	40.09 0.48 0.00	43.45 0.34 0.00	41.14 0.37 0.00	39.32 0.43 0.00	35.59 0.32 0.00	34.92 0.24 0.00	35.83 0.32 0.00	37.01 0.26 0.00	45.34 0.45 0.00	51.61 0.51 0.00	59.35 0.82 0.00	58.60 0.69 0.00	51.00 0.60 0.00	46.48 0.64 0.00	41.35 0.57 0.00
HAMPSHIRE___PAPER_HYD 323593	37.12 -1.07 0.00	34.86 -0.93 0.00	35.01 -0.86 0.00	34.17 -0.80 0.00	33.55 -0.83 0.00	31.99 -0.99 0.00	32.94 -1.30 0.00	34.29 -1.32 0.00	36.90 -1.58 0.00	37.88 -1.74 0.00	41.17 -1.94 0.00	38.78 -2.00 0.00	36.95 -1.94 0.00	33.51 -1.76 0.00	32.91 -1.77 0.00	33.78 -1.74 0.00	34.99 -1.76 0.00	43.28 -1.61 0.00	49.73 -1.38 0.00	57.36 -1.17 0.00	56.75 -1.16 0.00	49.58 -0.81 0.00	44.96 -0.87 0.00	40.00 -0.78 0.00
HARDSCRABBLE_WT_PWR 323673	37.57 -0.61 0.00	35.29 -0.50 0.00	35.45 -0.43 0.00	34.55 -0.42 0.00	33.82 -0.55 0.00	32.38 -0.59 0.00	33.52 -0.72 0.00	34.86 -0.75 0.00	37.64 -0.85 0.00	38.67 -0.95 0.00	42.07 -1.04 0.00	39.84 -0.94 0.00	37.96 -0.93 0.00	34.40 -0.88 0.00	33.81 -0.87 0.00	34.70 -0.82 0.00	35.91 -0.84 0.00	43.95 -0.94 0.00	50.13 -0.97 0.00	57.59 -0.94 0.00	56.98 -0.93 0.00	49.64 -0.75 0.00	45.19 -0.64 0.00	40.21 -0.57 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	39.10 0.92 0.00	36.72 0.93 0.00	36.63 0.75 0.00	35.70 0.73 0.00	35.13 0.76 0.00	34.00 1.02 0.00	35.34 1.10 0.00	36.64 1.03 0.00	39.75 1.27 0.00	41.04 1.43 0.00	44.83 1.72 0.00	42.41 1.63 0.00	40.37 1.48 0.00	36.69 1.41 0.00	36.17 1.49 0.00	37.04 1.53 0.00	38.41 1.65 0.00	46.73 1.84 0.00	53.10 1.99 0.00	60.81 2.28 0.00	59.76 1.85 0.00	51.70 1.31 0.00	46.84 1.01 0.00	41.51 0.73 0.00
HARSNRAD_115KV_TB1 81005	37.54 -0.65 0.00	34.50 -1.29 0.00	34.76 -1.11 0.00	33.40 -1.57 0.00	32.79 -1.58 0.00	32.32 -0.66 0.00	33.90 -0.34 0.00	35.22 -0.39 0.00	38.02 -0.46 0.00	38.98 -0.63 0.00	41.34 -1.77 0.00	39.60 -1.18 0.00	38.50 -0.39 0.00	34.82 -0.46 0.00	34.06 -0.62 0.00	34.84 -0.67 0.00	35.51 -1.25 0.00	43.32 -1.57 0.00	48.80 -2.30 0.00	56.48 -2.05 0.00	55.94 -1.97 0.00	49.23 -1.16 0.00	45.97 0.14 0.00	41.80 1.02 0.00
HARZA MOOSE___RIVER 24016	38.19 0.00 0.00	35.83 0.04 0.00	35.91 0.04 0.00	35.00 0.03 0.00	34.41 0.03 0.00	33.07 0.10 0.00	34.04 -0.21 0.00	35.50 -0.11 0.00	38.21 -0.27 0.00	39.26 -0.36 0.00	42.72 -0.39 0.00	40.29 -0.49 0.00	38.42 -0.47 0.00	34.85 -0.42 0.00	34.23 -0.45 0.00	35.16 -0.36 0.00	36.43 -0.33 0.00	44.93 0.04 0.00	51.51 0.41 0.00	59.35 0.82 0.00	58.43 0.52 0.00	51.00 0.60 0.00	46.25 0.41 0.00	41.10 0.33 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	38.07 -0.11 0.00	35.54 -0.25 0.00	35.66 -0.22 0.00	34.66 -0.31 0.00	34.03 -0.34 0.00	32.88 -0.10 0.00	34.21 -0.03 0.00	35.68 0.07 0.00	38.56 0.08 0.00	39.74 0.12 0.00	43.11 0.00 0.00	40.82 0.04 0.00	39.05 0.16 0.00	35.38 0.11 0.00	34.72 0.03 0.00	35.59 0.07 0.00	36.76 0.00 0.00	44.98 0.09 0.00	51.21 0.10 0.00	58.82 0.29 0.00	58.08 0.17 0.00	50.54 0.15 0.00	46.06 0.23 0.00	40.98 0.20 0.00
HELLGATE_13_KV_LD 55870	39.56 1.37 0.00	37.19 1.40 0.00	37.02 1.15 0.00	36.05 1.08 0.00	35.51 1.13 0.00	34.46 1.48 0.00	35.85 1.61 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.44 2.33 0.00	43.14 2.37 0.00	41.07 2.18 0.00	37.39 2.12 0.00	36.83 2.15 0.00	37.75 2.24 0.00	39.15 2.39 0.00	47.45 2.56 0.00	53.86 2.76 0.00	61.46 2.93 0.00	60.28 2.37 0.00	52.21 1.81 0.00	47.26 1.42 0.00	41.80 1.02 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	39.56 1.37 0.00	37.19 1.40 0.00	37.02 1.15 0.00	36.05 1.08 0.00	35.51 1.13 0.00	34.46 1.48 0.00	35.85 1.61 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.44 2.33 0.00	43.14 2.37 0.00	41.07 2.18 0.00	37.39 2.12 0.00	36.83 2.15 0.00	37.75 2.24 0.00	39.15 2.39 0.00	47.45 2.56 0.00	53.86 2.76 0.00	61.46 2.93 0.00	60.28 2.37 0.00	52.21 1.81 0.00	47.26 1.42 0.00	41.80 1.02 0.00
HEMPSTEAD____ 23647	39.60 1.41 0.00	37.15 1.36 0.00	36.84 0.97 0.00	35.98 1.01 0.00	35.30 0.93 0.00	34.39 1.42 0.00	35.78 1.54 0.00	37.32 1.71 0.00	40.41 1.92 0.00	41.80 2.18 0.00	45.49 2.37 -0.01	43.20 2.41 -0.01	43.40 2.18 -2.34	42.85 2.12 -5.46	41.78 2.19 -4.91	39.84 2.31 -2.02	49.58 2.43 -10.40	56.22 2.69 -8.63	54.38 2.91 -0.37	61.82 3.28 -0.01	60.58 2.67 -0.01	52.55 2.12 -0.04	47.63 1.79 -0.01	41.88 1.10 0.00
HEWLETT_69_KV_BK3 55828	39.83 1.64 0.00	37.37 1.57 0.00	37.17 1.29 0.00	36.33 1.36 0.00	35.68 1.31 0.00	34.59 1.62 0.00	35.99 1.75 0.00	37.53 1.92 0.00	40.64 2.16 0.00	42.07 2.46 0.00	45.97 2.85 -0.01	43.48 2.69 -0.01	43.82 2.41 -2.51	43.44 2.29 -5.87	42.33 2.36 -5.29	40.10 2.41 -2.17	50.53 2.57 -11.20	57.06 2.87 -9.29	54.62 3.12 -0.40	62.06 3.51 -0.01	60.87 2.95 -0.01	52.80 2.37 -0.04	47.91 2.06 -0.01	42.33 1.55 0.00
HICKLING___1 23621	38.61 0.42 0.00	35.76 -0.04 0.00	35.91 0.04 0.00	34.73 -0.24 0.00	34.10 -0.28 0.00	33.21 0.23 0.00	34.72 0.48 0.00	36.29 0.68 0.00	39.22 0.73 0.00	40.33 0.71 0.00	43.32 0.22 0.00	41.10 0.33 0.00	39.51 0.62 0.00	35.73 0.46 0.00	34.99 0.31 0.00	35.87 0.36 0.00	36.98 0.22 0.00	45.47 0.58 0.00	51.72 0.61 0.00	59.70 1.17 0.00	58.89 0.98 0.00	51.40 1.01 0.00	47.21 1.38 0.00	42.29 1.51 0.00
HICKLING___2 23622	38.61 0.42 0.00	35.76 -0.04 0.00	35.91 0.04 0.00	34.73 -0.24 0.00	34.10 -0.28 0.00	33.21 0.23 0.00	34.72 0.48 0.00	36.29 0.68 0.00	39.22 0.73 0.00	40.33 0.71 0.00	43.32 0.22 0.00	41.10 0.33 0.00	39.51 0.62 0.00	35.73 0.46 0.00	34.99 0.31 0.00	35.87 0.36 0.00	36.98 0.22 0.00	45.47 0.58 0.00	51.72 0.61 0.00	59.70 1.17 0.00	58.89 0.98 0.00	51.40 1.01 0.00	47.21 1.38 0.00	42.29 1.51 0.00
HIGH FALLS___HY 23754	39.18 0.99 0.00	36.83 1.04 0.00	36.74 0.86 0.00	35.84 0.87 0.00	35.24 0.86 0.00	34.10 1.12 0.00	35.44 1.20 0.00	36.75 1.14 0.00	39.87 1.39 0.00	41.12 1.51 0.00	44.92 1.81 0.00	42.45 1.67 0.00	40.37 1.48 0.00	36.65 1.38 0.00	36.14 1.46 0.00	37.04 1.53 0.00	38.45 1.69 0.00	46.91 2.02 0.00	53.35 2.25 0.00	61.10 2.58 0.00	60.11 2.20 0.00	51.96 1.56 0.00	47.12 1.28 0.00	41.72 0.94 0.00
HIGH_RIVER___SOLAR 323847	39.44 1.26 0.00	37.04 1.25 0.00	37.06 1.18 0.00	36.16 1.19 0.00	35.55 1.17 0.00	34.20 1.22 0.00	35.51 1.27 0.00	36.86 1.25 0.00	39.75 1.27 0.00	40.73 1.11 0.00	44.27 1.16 0.00	41.75 0.98 0.00	39.79 0.90 0.00	36.12 0.85 0.00	35.48 0.80 0.00	36.37 0.85 0.00	37.82 1.07 0.00	46.50 1.61 0.00	53.09 1.99 0.00	61.28 2.75 0.00	60.28 2.38 0.00	52.26 1.87 0.00	47.35 1.51 0.00	42.08 1.30 0.00



HILLBURN___GT 23639	39.10 0.91 0.00	36.72 0.93 0.00	36.52 0.65 0.00	35.71 0.74 0.00	35.10 0.72 0.00	34.03 1.05 0.00	35.34 1.10 0.00	36.68 1.07 0.00	39.79 1.31 0.00	41.08 1.47 0.00	44.75 1.64 0.00	42.49 1.71 0.00	40.41 1.52 0.00	36.76 1.48 0.00	36.24 1.56 0.00	37.15 1.63 0.00	38.49 1.73 0.00	46.73 1.84 0.00	53.09 1.99 0.00	60.87 2.34 0.00	59.70 1.80 0.00	51.70 1.31 0.00	46.84 1.01 0.00	41.51 0.73 0.00
HILLSIDE_115KV_TB1 80332	38.11 -0.08 0.00	35.36 -0.43 0.00	35.48 -0.39 0.00	34.34 -0.63 0.00	33.72 -0.65 0.00	32.84 -0.13 0.00	34.34 0.10 0.00	35.83 0.21 0.00	38.72 0.23 0.00	39.82 0.20 0.00	42.81 -0.30 0.00	40.66 -0.12 0.00	39.08 0.19 0.00	35.35 0.07 0.00	34.65 -0.03 0.00	35.48 -0.04 0.00	36.57 -0.18 0.00	44.89 0.00 0.00	51.00 -0.10 0.00	58.82 0.29 0.00	58.02 0.12 0.00	50.65 0.25 0.00	46.48 0.64 0.00	41.63 0.86 0.00
HISHELDN_WT_PWR 323625	37.84 -0.34 0.00	34.83 -0.96 0.00	35.05 -0.82 0.00	33.68 -1.29 0.00	33.21 -1.17 0.00	32.41 -0.56 0.00	33.93 -0.31 0.00	35.43 -0.18 0.00	38.33 -0.15 0.00	39.34 -0.28 0.00	42.55 -0.56 0.00	39.92 -0.86 0.00	38.58 -0.31 0.00	34.89 -0.39 0.00	34.09 -0.59 0.00	34.84 -0.68 0.00	35.84 -0.92 0.00	43.95 -0.94 0.00	49.77 -1.33 0.00	57.53 -1.00 0.00	56.92 -0.98 0.00	49.99 -0.40 0.00	46.39 0.55 0.00	41.92 1.14 0.00
HOLTSVILLE_IC_1 23690	39.22 1.03 0.00	36.86 1.07 0.00	36.52 0.65 0.00	35.63 0.66 0.00	34.92 0.55 0.00	34.10 1.12 0.00	35.51 1.27 0.00	37.11 1.50 0.00	39.98 1.50 0.00	41.48 1.86 0.00	44.97 1.85 -0.01	42.82 2.04 -0.01	42.22 1.79 -1.54	40.71 1.83 -3.60	40.00 2.08 -3.24	38.94 2.09 -1.33	45.83 2.21 -6.86	53.01 2.42 -5.70	54.00 2.66 -0.24	61.35 2.81 -0.01	60.06 2.14 -0.01	52.28 1.87 -0.02	47.35 1.51 -0.01	41.43 0.65 0.00
HOLTSVILLE_IC_10 23699	39.37 1.19 0.00	37.01 1.22 0.00	36.63 0.75 0.00	35.74 0.77 0.00	35.03 0.65 0.00	34.23 1.25 0.00	35.65 1.40 0.00	37.25 1.64 0.00	40.18 1.69 0.00	41.64 2.02 0.00	45.19 2.07 -0.01	42.99 2.20 -0.01	42.43 1.98 -1.56	40.92 2.01 -3.64	40.21 2.25 -3.27	39.14 2.27 -1.35	46.08 2.39 -6.93	53.34 2.69 -5.75	54.36 3.01 -0.25	61.70 3.16 -0.01	60.40 2.49 -0.01	52.58 2.17 -0.02	47.59 1.74 -0.01	41.59 0.82 0.00
HOLTSVILLE_IC_2 23691	39.22 1.03 0.00	36.86 1.07 0.00	36.52 0.65 0.00	35.63 0.66 0.00	34.92 0.55 0.00	34.10 1.12 0.00	35.51 1.27 0.00	37.11 1.50 0.00	39.98 1.50 0.00	41.48 1.86 0.00	44.97 1.85 -0.01	42.82 2.04 -0.01	42.22 1.79 -1.54	40.71 1.83 -3.60	40.00 2.08 -3.24	38.94 2.09 -1.33	45.83 2.21 -6.86	53.01 2.42 -5.70	54.00 2.66 -0.24	61.35 2.81 -0.01	60.06 2.14 -0.01	52.28 1.87 -0.02	47.35 1.51 -0.01	41.43 0.65 0.00
HOLTSVILLE_IC_3 23692	39.22 1.03 0.00	36.86 1.07 0.00	36.52 0.65 0.00	35.63 0.66 0.00	34.92 0.55 0.00	34.10 1.12 0.00	35.51 1.27 0.00	37.11 1.50 0.00	39.98 1.50 0.00	41.48 1.86 0.00	44.97 1.85 -0.01	42.82 2.04 -0.01	42.22 1.79 -1.54	40.71 1.83 -3.60	40.00 2.08 -3.24	38.94 2.09 -1.33	45.83 2.21 -6.86	53.01 2.42 -5.70	54.00 2.66 -0.24	61.35 2.81 -0.01	60.06 2.14 -0.01	52.28 1.87 -0.02	47.35 1.51 -0.01	41.43 0.65 0.00
HOLTSVILLE_IC_4 23693	39.22 1.03 0.00	36.86 1.07 0.00	36.52 0.65 0.00	35.63 0.66 0.00	34.92 0.55 0.00	34.10 1.12 0.00	35.51 1.27 0.00	37.11 1.50 0.00	39.98 1.50 0.00	41.48 1.86 0.00	44.97 1.85 -0.01	42.82 2.04 -0.01	42.22 1.79 -1.54	40.71 1.83 -3.60	40.00 2.08 -3.24	38.94 2.09 -1.33	45.83 2.21 -6.86	53.01 2.42 -5.70	54.00 2.66 -0.24	61.35 2.81 -0.01	60.06 2.14 -0.01	52.28 1.87 -0.02	47.35 1.51 -0.01	41.43 0.65 0.00
HOLTSVILLE_IC_5 23694	39.22 1.03 0.00	36.86 1.07 0.00	36.52 0.65 0.00	35.63 0.66 0.00	34.92 0.55 0.00	34.10 1.12 0.00	35.51 1.27 0.00	37.11 1.50 0.00	39.98 1.50 0.00	41.48 1.86 0.00	44.97 1.85 -0.01	42.82 2.04 -0.01	42.22 1.79 -1.54	40.71 1.83 -3.60	40.00 2.08 -3.24	38.94 2.09 -1.33	45.83 2.21 -6.86	53.01 2.42 -5.70	54.00 2.66 -0.24	61.35 2.81 -0.01	60.06 2.14 -0.01	52.28 1.87 -0.02	47.35 1.51 -0.01	41.43 0.65 0.00
HOLTSVILLE_IC_6 23695	39.37 1.19 0.00	37.01 1.22 0.00	36.63 0.75 0.00	35.74 0.77 0.00	35.03 0.65 0.00	34.23 1.25 0.00	35.65 1.40 0.00	37.25 1.64 0.00	40.18 1.69 0.00	41.64 2.02 0.00	45.19 2.07 -0.01	42.99 2.20 -0.01	42.43 1.98 -1.56	40.92 2.01 -3.64	40.21 2.25 -3.27	39.14 2.27 -1.35	46.08 2.39 -6.93	53.34 2.69 -5.75	54.36 3.01 -0.25	61.70 3.16 -0.01	60.40 2.49 -0.01	52.58 2.17 -0.02	47.59 1.74 -0.01	41.59 0.82 0.00
HOLTSVILLE_IC_7 23696	39.37 1.19 0.00	37.01 1.22 0.00	36.63 0.75 0.00	35.74 0.77 0.00	35.03 0.65 0.00	34.23 1.25 0.00	35.65 1.40 0.00	37.25 1.64 0.00	40.18 1.69 0.00	41.64 2.02 0.00	45.19 2.07 -0.01	42.99 2.20 -0.01	42.43 1.98 -1.56	40.92 2.01 -3.64	40.21 2.25 -3.27	39.14 2.27 -1.35	46.08 2.39 -6.93	53.34 2.69 -5.75	54.36 3.01 -0.25	61.70 3.16 -0.01	60.40 2.49 -0.01	52.58 2.17 -0.02	47.59 1.74 -0.01	41.59 0.82 0.00
HOLTSVILLE_IC_8 23697	39.37 1.19 0.00	37.01 1.22 0.00	36.63 0.75 0.00	35.74 0.77 0.00	35.03 0.65 0.00	34.23 1.25 0.00	35.65 1.40 0.00	37.25 1.64 0.00	40.18 1.69 0.00	41.64 2.02 0.00	45.19 2.07 -0.01	42.99 2.20 -0.01	42.43 1.98 -1.56	40.92 2.01 -3.64	40.21 2.25 -3.27	39.14 2.27 -1.35	46.08 2.39 -6.93	53.34 2.69 -5.75	54.36 3.01 -0.25	61.70 3.16 -0.01	60.40 2.49 -0.01	52.58 2.17 -0.02	47.59 1.74 -0.01	41.59 0.82 0.00
HOLTSVILLE_IC_9 23698	39.37 1.19 0.00	37.01 1.22 0.00	36.63 0.75 0.00	35.74 0.77 0.00	35.03 0.65 0.00	34.23 1.25 0.00	35.65 1.40 0.00	37.25 1.64 0.00	40.18 1.69 0.00	41.64 2.02 0.00	45.19 2.07 -0.01	42.99 2.20 -0.01	42.43 1.98 -1.56	40.92 2.01 -3.64	40.21 2.25 -3.27	39.14 2.27 -1.35	46.08 2.39 -6.93	53.34 2.69 -5.75	54.36 3.01 -0.25	61.70 3.16 -0.01	60.40 2.49 -0.01	52.58 2.17 -0.02	47.59 1.74 -0.01	41.59 0.82 0.00
HOMER_HL_115KV_TB2 355744	38.34 0.15 0.00	35.33 -0.47 0.00	35.48 -0.39 0.00	34.13 -0.84 0.00	33.55 -0.83 0.00	32.98 0.00 0.00	34.52 0.27 0.00	36.07 0.46 0.00	38.91 0.42 0.00	40.01 0.40 0.00	42.68 -0.43 0.00	40.61 -0.16 0.00	39.47 0.58 0.00	35.66 0.39 0.00	34.92 0.24 0.00	35.62 0.11 0.00	36.54 -0.22 0.00	44.80 -0.09 0.00	50.69 -0.41 0.00	58.82 0.29 0.00	58.08 0.17 0.00	50.85 0.45 0.00	47.16 1.33 0.00	42.61 1.84 0.00
HOWARD_WT_PWR 323690	38.76 0.57 0.00	35.76 -0.04 0.00	35.91 0.04 0.00	34.55 -0.42 0.00	33.97 -0.41 0.00	33.07 0.10 0.00	34.69 0.44 0.00	36.32 0.71 0.00	39.21 0.73 0.00	40.29 0.67 0.00	43.54 0.43 0.00	40.90 0.12 0.00	39.32 0.43 0.00	35.49 0.21 0.00	34.72 0.03 0.00	35.62 0.11 0.00	36.76 0.00 0.00	45.47 0.58 0.00	51.77 0.66 0.00	59.93 1.40 0.00	59.24 1.33 0.00	51.86 1.46 0.00	47.76 1.92 0.00	42.86 2.08 0.00



HQ_GEN_CEDARS 23644	38.38 0.19 0.00	36.04 0.25 0.00	36.20 0.32 0.00	35.32 0.35 0.00	34.72 0.34 0.00	32.91 -0.07 0.00	34.04 -0.21 0.00	35.40 -0.21 0.00	38.21 -0.27 0.00	39.22 -0.40 0.00	42.72 -0.39 0.00	40.21 -0.57 0.00	38.38 -0.51 0.00	34.78 -0.49 0.00	34.16 -0.52 0.00	34.98 -0.53 0.00	36.21 -0.55 0.00	44.49 -0.40 0.00	50.75 -0.36 0.00	58.41 -0.12 0.00	58.08 0.17 0.00	50.70 0.30 0.00	46.11 0.28 0.00	41.15 0.37 0.00
HQ_GEN_CEDARS_PROXY 323590	38.38 0.19 0.00	36.04 0.25 0.00	36.20 0.32 0.00	35.32 0.35 0.00	34.68 0.31 0.00	32.91 -0.07 0.00	34.04 -0.20 0.00	35.40 -0.21 0.00	38.22 -0.27 0.00	39.22 -0.40 0.00	42.68 -0.43 0.00	40.21 -0.57 0.00	38.38 -0.51 0.00	34.78 -0.49 0.00	34.16 -0.52 0.00	34.98 -0.53 0.00	36.55 -0.55 -0.34	44.14 -0.40 0.34	50.75 -0.36 0.00	58.41 -0.12 0.00	58.08 0.17 0.00	50.70 0.30 0.00	46.11 0.28 0.00	41.14 0.37 0.00
HQ_GEN_IMPORT 323601	38.15 -0.04 0.00	35.79 0.00 0.00	35.91 0.04 0.00	35.04 0.07 0.00	34.45 0.07 0.00	32.75 -0.23 0.00	33.97 -0.28 0.00	35.33 -0.29 0.00	38.14 -0.35 0.00	39.22 -0.40 0.00	42.64 -0.47 0.00	40.29 -0.49 0.00	38.43 -0.46 0.00	34.82 -0.46 0.00	34.23 -0.45 0.00	35.05 -0.46 0.00	36.62 -0.48 -0.34	44.05 -0.49 0.34	50.59 -0.51 0.00	58.06 -0.47 0.00	57.56 -0.35 0.00	50.19 -0.20 0.00	45.70 -0.14 0.00	40.70 -0.08 0.00
HQ_GEN_WHEEL 23651	38.15 -0.04 0.00	35.79 0.00 0.00	35.91 0.04 0.00	35.04 0.07 0.00	34.45 0.07 0.00	32.75 -0.23 0.00	33.97 -0.28 0.00	35.33 -0.29 0.00	38.14 -0.35 0.00	39.22 -0.40 0.00	42.64 -0.47 0.00	40.29 -0.49 0.00	38.43 -0.46 0.00	34.82 -0.46 0.00	34.23 -0.45 0.00	35.05 -0.46 0.00	36.62 -0.48 -0.34	44.05 -0.49 0.34	50.59 -0.51 0.00	58.06 -0.47 0.00	57.56 -0.35 0.00	50.19 -0.20 0.00	45.70 -0.14 0.00	40.70 -0.08 0.00
HUDSON AVE_GT_3 23810	39.56 1.37 0.00	37.19 1.40 0.00	37.02 1.15 0.00	36.05 1.08 0.00	35.51 1.13 0.00	34.46 1.48 0.00	35.82 1.58 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.48 2.37 0.00	43.14 2.37 0.00	41.07 2.18 0.00	37.39 2.12 0.00	36.83 2.15 0.00	37.75 2.24 0.00	39.15 2.39 0.00	47.49 2.60 0.00	53.97 2.86 0.00	61.69 3.16 0.00	60.45 2.55 0.00	52.31 1.91 0.00	47.35 1.51 0.00	41.84 1.06 0.00
HUDSON AVE_GT_4 23540	39.56 1.37 0.00	37.19 1.40 0.00	37.02 1.15 0.00	36.05 1.08 0.00	35.51 1.13 0.00	34.46 1.48 0.00	35.82 1.58 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.48 2.37 0.00	43.14 2.37 0.00	41.07 2.18 0.00	37.39 2.12 0.00	36.83 2.15 0.00	37.75 2.24 0.00	39.15 2.39 0.00	47.49 2.60 0.00	53.97 2.86 0.00	61.69 3.16 0.00	60.45 2.55 0.00	52.31 1.91 0.00	47.35 1.51 0.00	41.84 1.06 0.00
HUDSON AVE_GT_5 23657	39.56 1.37 0.00	37.19 1.40 0.00	37.02 1.15 0.00	36.05 1.08 0.00	35.51 1.13 0.00	34.46 1.48 0.00	35.82 1.58 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.48 2.37 0.00	43.14 2.37 0.00	41.07 2.18 0.00	37.39 2.12 0.00	36.83 2.15 0.00	37.75 2.24 0.00	39.15 2.39 0.00	47.49 2.60 0.00	53.97 2.86 0.00	61.69 3.16 0.00	60.45 2.55 0.00	52.31 1.91 0.00	47.35 1.51 0.00	41.84 1.06 0.00
HUDSON_AVE_10 24168	39.45 1.26 0.00	37.12 1.32 0.00	36.92 1.04 0.00	35.98 1.01 0.00	35.41 1.03 0.00	34.39 1.42 0.00	35.75 1.51 0.00	37.07 1.46 0.00	40.25 1.77 0.00	41.56 1.94 0.00	45.39 2.28 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.29 2.01 0.00	36.73 2.05 0.00	37.65 2.13 0.00	39.04 2.28 0.00	47.40 2.51 0.00	53.86 2.76 0.00	61.57 3.04 0.00	60.34 2.43 0.00	52.21 1.81 0.00	47.26 1.42 0.00	41.72 0.94 0.00
HUDSON___115KV_TB 4 355613	38.87 0.69 0.00	36.54 0.75 0.00	36.52 0.65 0.00	35.67 0.70 0.00	35.06 0.69 0.00	33.77 0.79 0.00	35.06 0.82 0.00	36.32 0.71 0.00	39.22 0.73 0.00	40.37 0.75 0.00	43.93 0.82 0.00	41.51 0.73 0.00	39.47 0.58 0.00	35.84 0.56 0.00	35.30 0.62 0.00	36.12 0.60 0.00	37.53 0.77 0.00	45.70 0.81 0.00	52.07 0.97 0.00	60.05 1.52 0.00	59.06 1.16 0.00	51.10 0.71 0.00	46.29 0.46 0.00	41.23 0.45 0.00
HUNTER MOUNT___DRP 323613	39.03 0.84 0.00	36.65 0.86 0.00	36.66 0.79 0.00	35.77 0.80 0.00	35.17 0.79 0.00	33.87 0.89 0.00	35.17 0.92 0.00	36.40 0.78 0.00	39.33 0.85 0.00	40.49 0.87 0.00	44.06 0.95 0.00	41.59 0.82 0.00	39.51 0.62 0.00	35.84 0.56 0.00	35.34 0.66 0.00	36.12 0.60 0.00	37.53 0.77 0.00	45.79 0.90 0.00	52.18 1.07 0.00	60.23 1.70 0.00	59.35 1.45 0.00	51.30 0.91 0.00	46.48 0.64 0.00	41.43 0.65 0.00
HUNTINGTON_RES_REC 323705	39.60 1.41 0.00	37.15 1.36 0.00	36.81 0.93 0.00	35.95 0.98 0.00	35.24 0.86 0.00	34.39 1.42 0.00	35.82 1.58 0.00	37.43 1.82 0.00	40.41 1.92 0.00	41.88 2.26 0.00	45.49 2.37 -0.01	43.23 2.45 -0.01	42.67 2.22 -1.57	41.13 2.19 -3.66	40.34 2.36 -3.30	39.32 2.45 -1.35	46.31 2.57 -6.98	53.60 2.92 -5.79	54.52 3.17 -0.25	61.99 3.45 -0.01	60.69 2.78 -0.01	52.74 2.32 -0.02	47.77 1.92 -0.01	41.84 1.06 0.00
HUNTLEY___63 23557	38.07 -0.11 0.00	34.93 -0.86 0.00	35.23 -0.65 0.00	33.78 -1.19 0.00	33.24 -1.13 0.00	32.74 -0.23 0.00	34.10 -0.14 0.00	35.58 -0.04 0.00	38.33 -0.15 0.00	39.34 -0.28 0.00	41.77 -1.34 0.00	39.96 -0.82 0.00	38.93 0.04 0.00	35.21 -0.07 0.00	34.44 -0.24 0.00	35.16 -0.36 0.00	35.80 -0.96 0.00	43.77 -1.12 0.00	49.26 -1.84 0.00	57.01 -1.52 0.00	56.46 -1.45 0.00	49.69 -0.71 0.00	46.43 0.60 0.00	42.37 1.59 0.00
HUNTLEY___64 23558	38.07 -0.11 0.00	34.93 -0.86 0.00	35.23 -0.65 0.00	33.78 -1.19 0.00	33.24 -1.13 0.00	32.74 -0.23 0.00	34.10 -0.14 0.00	35.58 -0.04 0.00	38.33 -0.15 0.00	39.34 -0.28 0.00	41.77 -1.34 0.00	39.96 -0.82 0.00	38.93 0.04 0.00	35.21 -0.07 0.00	34.44 -0.24 0.00	35.16 -0.36 0.00	35.80 -0.96 0.00	43.77 -1.12 0.00	49.26 -1.84 0.00	57.01 -1.52 0.00	56.46 -1.45 0.00	49.69 -0.71 0.00	46.43 0.60 0.00	42.37 1.59 0.00
HUNTLEY___65 23559	38.07 -0.11 0.00	34.93 -0.86 0.00	35.23 -0.65 0.00	33.78 -1.19 0.00	33.24 -1.13 0.00	32.74 -0.23 0.00	34.10 -0.14 0.00	35.58 -0.04 0.00	38.33 -0.15 0.00	39.34 -0.28 0.00	41.77 -1.34 0.00	39.96 -0.82 0.00	38.93 0.04 0.00	35.21 -0.07 0.00	34.44 -0.24 0.00	35.16 -0.36 0.00	35.80 -0.96 0.00	43.77 -1.12 0.00	49.26 -1.84 0.00	57.01 -1.52 0.00	56.46 -1.45 0.00	49.69 -0.71 0.00	46.43 0.60 0.00	42.37 1.59 0.00
HUNTLEY___66 23560	38.07 -0.11 0.00	34.93 -0.86 0.00	35.23 -0.65 0.00	33.78 -1.19 0.00	33.24 -1.13 0.00	32.74 -0.23 0.00	34.10 -0.14 0.00	35.58 -0.04 0.00	38.33 -0.15 0.00	39.34 -0.28 0.00	41.77 -1.34 0.00	39.96 -0.82 0.00	38.93 0.04 0.00	35.21 -0.07 0.00	34.44 -0.24 0.00	35.16 -0.36 0.00	35.80 -0.96 0.00	43.77 -1.12 0.00	49.26 -1.84 0.00	57.01 -1.52 0.00	56.46 -1.45 0.00	49.69 -0.71 0.00	46.43 0.60 0.00	42.37 1.59 0.00



HUNTLEY___67 23561	37.77 -0.42 0.00	34.68 -1.11 0.00	34.94 -0.93 0.00	33.57 -1.40 0.00	33.00 -1.38 0.00	32.48 -0.49 0.00	34.00 -0.24 0.00	35.47 -0.14 0.00	38.25 -0.23 0.00	39.26 -0.36 0.00	41.69 -1.42 0.00	39.92 -0.86 0.00	38.85 -0.04 0.00	35.14 -0.14 0.00	34.40 -0.28 0.00	35.12 -0.39 0.00	35.80 -0.96 0.00	43.68 -1.21 0.00	49.21 -1.89 0.00	56.89 -1.64 0.00	56.34 -1.56 0.00	49.59 -0.81 0.00	46.25 0.41 0.00	42.08 1.30 0.00
HUNTLEY___68 23562	37.77 -0.42 0.00	34.68 -1.11 0.00	34.94 -0.93 0.00	33.57 -1.40 0.00	33.00 -1.38 0.00	32.48 -0.49 0.00	34.00 -0.24 0.00	35.47 -0.14 0.00	38.25 -0.23 0.00	39.26 -0.36 0.00	41.69 -1.42 0.00	39.92 -0.86 0.00	38.85 -0.04 0.00	35.14 -0.14 0.00	34.40 -0.28 0.00	35.12 -0.39 0.00	35.80 -0.96 0.00	43.68 -1.21 0.00	49.21 -1.89 0.00	56.89 -1.64 0.00	56.34 -1.56 0.00	49.59 -0.81 0.00	46.25 0.41 0.00	42.08 1.30 0.00
HYLAND___LFG 323620	39.48 1.30 0.00	36.54 0.75 0.00	36.73 0.86 0.00	35.36 0.39 0.00	34.82 0.45 0.00	34.00 1.02 0.00	35.47 1.23 0.00	36.93 1.32 0.00	39.41 0.92 0.00	40.13 0.51 0.00	43.15 0.04 0.00	40.33 -0.45 0.00	38.66 -0.23 0.00	34.92 -0.35 0.00	34.33 -0.35 0.00	35.23 -0.29 0.00	36.46 -0.30 0.00	45.29 0.40 0.00	52.13 1.02 0.00	60.99 2.46 0.00	60.97 3.07 0.00	53.16 2.77 0.00	49.00 3.16 0.00	43.67 2.90 0.00
INDECK___CORINTH 23802	39.75 1.57 0.00	37.36 1.57 0.00	37.35 1.47 0.00	36.44 1.47 0.00	35.82 1.44 0.00	34.49 1.52 0.00	35.78 1.54 0.00	37.29 1.67 0.00	40.29 1.81 0.00	41.64 2.02 0.00	45.31 2.20 0.00	42.86 2.08 0.00	40.68 1.79 0.00	36.90 1.62 0.00	36.24 1.56 0.00	37.04 1.53 0.00	38.49 1.73 0.00	47.00 2.11 0.00	53.56 2.45 0.00	61.98 3.45 0.00	60.97 3.07 0.00	52.71 2.32 0.00	47.62 1.79 0.00	42.33 1.55 0.00
INDECK___ILION 23567	37.96 -0.23 0.00	35.61 -0.18 0.00	35.73 -0.14 0.00	34.83 -0.14 0.00	34.17 -0.21 0.00	32.78 -0.20 0.00	34.00 -0.24 0.00	35.36 -0.25 0.00	38.18 -0.31 0.00	39.26 -0.36 0.00	42.76 -0.34 0.00	40.45 -0.33 0.00	38.58 -0.31 0.00	34.96 -0.32 0.00	34.37 -0.31 0.00	35.23 -0.28 0.00	36.46 -0.29 0.00	44.62 -0.27 0.00	50.85 -0.26 0.00	58.35 -0.18 0.00	57.67 -0.23 0.00	50.19 -0.20 0.00	45.61 -0.23 0.00	40.57 -0.20 0.00
INDECK___OLEAN 23982	38.34 0.15 0.00	35.33 -0.47 0.00	35.52 -0.36 0.00	34.13 -0.84 0.00	33.69 -0.69 0.00	32.98 0.00 0.00	34.51 0.27 0.00	36.07 0.46 0.00	38.95 0.46 0.00	40.05 0.44 0.00	43.28 0.17 0.00	40.62 -0.16 0.00	39.47 0.58 0.00	35.67 0.39 0.00	34.92 0.24 0.00	35.55 0.04 0.00	36.54 -0.22 0.00	44.76 -0.13 0.00	50.75 -0.36 0.00	58.76 0.24 0.00	58.08 0.17 0.00	50.85 0.45 0.00	47.16 1.33 0.00	42.66 1.88 0.00
INDECK___OSWEGO 23783	37.65 -0.53 0.00	35.18 -0.61 0.00	35.26 -0.61 0.00	34.30 -0.67 0.00	33.76 -0.62 0.00	32.51 -0.46 0.00	33.83 -0.41 0.00	35.22 -0.39 0.00	38.10 -0.38 0.00	39.26 -0.36 0.00	42.72 -0.39 0.00	40.33 -0.45 0.00	38.54 -0.35 0.00	34.92 -0.35 0.00	34.27 -0.41 0.00	35.12 -0.39 0.00	36.32 -0.44 0.00	44.40 -0.49 0.00	50.54 -0.56 0.00	58.06 -0.47 0.00	57.38 -0.52 0.00	49.94 -0.45 0.00	45.47 -0.37 0.00	40.45 -0.33 0.00
INDECK___YERKES 23781	38.11 -0.08 0.00	34.97 -0.82 0.00	35.26 -0.61 0.00	33.82 -1.15 0.00	33.45 -0.93 0.00	32.78 -0.20 0.00	34.14 -0.10 0.00	35.58 -0.04 0.00	38.37 -0.12 0.00	39.42 -0.20 0.00	42.64 -0.47 0.00	40.00 -0.78 0.00	39.01 0.12 0.00	35.24 -0.04 0.00	34.47 -0.21 0.00	35.09 -0.42 0.00	35.84 -0.92 0.00	43.77 -1.12 0.00	49.31 -1.79 0.00	57.07 -1.46 0.00	56.52 -1.39 0.00	49.74 -0.66 0.00	46.52 0.69 0.00	42.33 1.55 0.00
INDIAN POINT_GT_1 24139	39.10 0.92 0.00	36.76 0.97 0.00	36.63 0.75 0.00	35.74 0.77 0.00	35.17 0.79 0.00	34.06 1.09 0.00	35.37 1.13 0.00	36.72 1.10 0.00	39.83 1.35 0.00	41.08 1.47 0.00	44.88 1.77 0.00	42.49 1.71 0.00	40.45 1.56 0.00	36.79 1.52 0.00	36.24 1.56 0.00	37.11 1.60 0.00	38.52 1.76 0.00	46.78 1.89 0.00	53.15 2.04 0.00	60.87 2.34 0.00	59.70 1.80 0.00	51.70 1.31 0.00	46.84 1.01 0.00	41.43 0.65 0.00
INDIAN POINT_GT_2 23659	39.10 0.92 0.00	36.76 0.97 0.00	36.63 0.75 0.00	35.74 0.77 0.00	35.17 0.79 0.00	34.06 1.09 0.00	35.37 1.13 0.00	36.72 1.10 0.00	39.83 1.35 0.00	41.08 1.47 0.00	44.88 1.77 0.00	42.49 1.71 0.00	40.45 1.56 0.00	36.79 1.52 0.00	36.24 1.56 0.00	37.11 1.60 0.00	38.52 1.76 0.00	46.78 1.89 0.00	53.15 2.04 0.00	60.87 2.34 0.00	59.70 1.80 0.00	51.70 1.31 0.00	46.84 1.01 0.00	41.43 0.65 0.00
INDIAN POINT_GT_3 24019	39.10 0.92 0.00	36.76 0.97 0.00	36.63 0.75 0.00	35.74 0.77 0.00	35.17 0.79 0.00	34.06 1.09 0.00	35.37 1.13 0.00	36.72 1.10 0.00	39.83 1.35 0.00	41.08 1.47 0.00	44.88 1.77 0.00	42.49 1.71 0.00	40.45 1.56 0.00	36.79 1.52 0.00	36.24 1.56 0.00	37.11 1.60 0.00	38.52 1.76 0.00	46.78 1.89 0.00	53.15 2.04 0.00	60.87 2.34 0.00	59.70 1.80 0.00	51.70 1.31 0.00	46.84 1.01 0.00	41.43 0.65 0.00
INDIAN POINT___2 23530	38.99 0.80 0.00	36.65 0.86 0.00	36.45 0.57 0.00	35.63 0.66 0.00	35.03 0.65 0.00	33.96 0.99 0.00	35.27 1.03 0.00	36.61 1.00 0.00	39.72 1.23 0.00	40.97 1.35 0.00	44.62 1.51 0.00	42.37 1.59 0.00	40.29 1.40 0.00	36.65 1.37 0.00	36.14 1.46 0.00	37.04 1.53 0.00	38.37 1.62 0.00	46.60 1.71 0.00	52.94 1.84 0.00	60.70 2.17 0.00	59.53 1.62 0.00	51.55 1.16 0.00	46.70 0.87 0.00	41.39 0.61 0.00
INDIAN POINT___3 23531	39.14 0.95 0.00	36.79 1.00 0.00	36.66 0.79 0.00	35.77 0.80 0.00	35.20 0.83 0.00	34.10 1.12 0.00	35.41 1.16 0.00	36.75 1.14 0.00	39.87 1.39 0.00	41.12 1.51 0.00	44.92 1.81 0.00	42.57 1.79 0.00	40.49 1.59 0.00	36.83 1.55 0.00	36.31 1.63 0.00	37.18 1.67 0.00	38.56 1.80 0.00	46.82 1.93 0.00	53.20 2.10 0.00	60.93 2.40 0.00	59.76 1.85 0.00	51.75 1.36 0.00	46.84 1.01 0.00	41.47 0.69 0.00
INGHAM_C_115KV_TB7 356103	37.42 -0.76 0.00	35.15 -0.64 0.00	35.26 -0.61 0.00	34.41 -0.56 0.00	33.69 -0.69 0.00	32.25 -0.73 0.00	33.39 -0.86 0.00	34.72 -0.89 0.00	37.48 -1.00 0.00	38.51 -1.11 0.00	41.94 -1.16 0.00	39.68 -1.10 0.00	37.80 -1.09 0.00	34.25 -1.02 0.00	33.67 -1.01 0.00	34.56 -0.96 0.00	35.77 -0.99 0.00	43.77 -1.12 0.00	49.98 -1.12 0.00	57.42 -1.11 0.00	56.81 -1.10 0.00	49.44 -0.96 0.00	45.01 -0.83 0.00	40.04 -0.73 0.00
IP CORINTH___1 23988	39.75 1.57 0.00	37.37 1.57 0.00	37.35 1.47 0.00	36.44 1.47 0.00	35.82 1.44 0.00	34.49 1.52 0.00	35.78 1.54 0.00	37.29 1.67 0.00	40.29 1.81 0.00	41.64 2.02 0.00	45.39 2.28 0.00	42.86 2.08 0.00	40.68 1.79 0.00	36.86 1.59 0.00	36.24 1.56 0.00	37.04 1.53 0.00	38.49 1.73 0.00	47.00 2.11 0.00	53.56 2.45 0.00	61.98 3.45 0.00	60.98 3.07 0.00	52.71 2.32 0.00	47.67 1.83 0.00	42.37 1.59 0.00



IP___TICONDEROGA 23804	40.71 2.52 0.00	38.26 2.47 0.00	38.24 2.37 0.00	37.28 2.31 0.00	36.65 2.27 0.00	35.28 2.31 0.00	36.60 2.36 0.00	38.18 2.56 0.00	41.22 2.73 0.00	42.59 2.97 0.00	46.39 3.28 0.00	43.71 2.94 0.00	41.46 2.57 0.00	37.53 2.26 0.00	36.83 2.15 0.00	37.61 2.10 0.00	39.18 2.43 0.00	47.99 3.10 0.00	54.83 3.73 0.00	63.91 5.38 0.00	62.94 5.04 0.00	54.12 3.73 0.00	48.86 3.03 0.00	43.51 2.73 0.00
ISLIP_RES_REC 323679	39.52 1.34 0.00	37.12 1.33 0.00	36.73 0.86 0.00	35.84 0.87 0.00	35.13 0.76 0.00	34.33 1.35 0.00	35.75 1.50 0.00	37.39 1.78 0.00	40.29 1.81 0.00	41.80 2.18 0.00	45.32 2.20 -0.01	43.15 2.36 -0.01	42.59 2.14 -1.57	41.09 2.15 -3.66	40.33 2.36 -3.29	39.29 2.42 -1.35	46.27 2.53 -6.98	53.56 2.88 -5.79	54.57 3.22 -0.25	61.99 3.45 -0.01	60.69 2.78 -0.01	52.79 2.37 -0.02	47.77 1.92 -0.01	41.76 0.98 0.00
JAMAICA__27_KV_LOAD 355505	39.45 1.26 0.00	37.12 1.32 0.00	36.95 1.08 0.00	35.95 0.98 0.00	35.41 1.03 0.00	34.39 1.42 0.00	35.78 1.54 0.00	37.11 1.50 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.44 2.33 0.00	43.10 2.32 0.00	40.99 2.10 0.00	37.32 2.05 0.00	36.76 2.08 0.00	37.68 2.17 0.00	39.07 2.32 0.00	47.49 2.60 0.00	53.97 2.86 0.00	61.81 3.28 0.00	60.57 2.66 0.00	52.31 1.91 0.00	47.35 1.51 0.00	41.72 0.94 0.00
JANIS___SOLAR 323808	39.86 1.68 0.00	37.26 1.47 0.00	37.35 1.47 0.00	36.30 1.33 0.00	35.61 1.24 0.00	34.42 1.45 0.00	35.78 1.54 0.00	37.43 1.82 0.00	40.29 1.81 0.00	41.28 1.66 0.00	44.75 1.64 0.00	42.04 1.27 0.00	40.13 1.24 0.00	36.19 0.92 0.00	35.44 0.76 0.00	36.47 0.96 0.00	37.79 1.03 0.00	47.00 2.11 0.00	54.02 2.91 0.00	62.51 3.98 0.00	61.62 3.71 0.00	53.62 3.23 0.00	48.77 2.94 0.00	43.31 2.53 0.00
JARVIS____ 23743	38.19 0.00 0.00	35.83 0.04 0.00	35.91 0.04 0.00	35.00 0.04 0.00	34.41 0.03 0.00	33.07 0.10 0.00	34.31 0.07 0.00	35.68 0.07 0.00	38.56 0.08 0.00	39.70 0.08 0.00	43.20 0.09 0.00	40.90 0.12 0.00	38.97 0.08 0.00	35.35 0.07 0.00	34.78 0.10 0.00	35.62 0.11 0.00	36.87 0.11 0.00	45.03 0.14 0.00	51.31 0.21 0.00	58.82 0.29 0.00	58.02 0.12 0.00	50.49 0.10 0.00	45.88 0.05 0.00	40.78 0.00 0.00
JENNISON___1 23625	39.90 1.72 0.00	37.37 1.57 0.00	37.45 1.58 0.00	36.44 1.47 0.00	35.75 1.38 0.00	34.59 1.62 0.00	35.85 1.61 0.00	37.50 1.89 0.00	40.45 1.96 0.00	41.56 1.94 0.00	45.05 1.94 0.00	42.57 1.79 0.00	40.64 1.75 0.00	36.69 1.41 0.00	35.96 1.28 0.00	36.97 1.46 0.00	38.19 1.43 0.00	47.27 2.38 0.00	54.12 3.02 0.00	62.51 3.98 0.00	61.55 3.65 0.00	53.52 3.12 0.00	48.68 2.84 0.00	43.22 2.45 0.00
JENNISON___2 23626	39.90 1.72 0.00	37.37 1.57 0.00	37.45 1.58 0.00	36.44 1.47 0.00	35.75 1.38 0.00	34.59 1.62 0.00	35.85 1.61 0.00	37.50 1.89 0.00	40.45 1.96 0.00	41.56 1.94 0.00	45.05 1.94 0.00	42.57 1.79 0.00	40.64 1.75 0.00	36.69 1.41 0.00	35.96 1.28 0.00	36.97 1.46 0.00	38.19 1.43 0.00	47.27 2.38 0.00	54.12 3.02 0.00	62.51 3.98 0.00	61.55 3.65 0.00	53.52 3.12 0.00	48.68 2.84 0.00	43.22 2.45 0.00
JERICHO_RISE_WT_PWR 323719	37.57 -0.61 0.00	35.43 -0.36 0.00	35.77 -0.11 0.00	34.97 0.00 0.00	34.41 0.03 0.00	32.68 -0.30 0.00	33.93 -0.31 0.00	35.26 -0.36 0.00	37.87 -0.62 0.00	38.63 -0.99 0.00	41.95 -1.16 0.00	39.39 -1.39 0.00	37.57 -1.32 0.00	33.97 -1.30 0.00	33.36 -1.32 0.00	34.13 -1.39 0.00	35.47 -1.29 0.00	43.77 -1.12 0.00	50.19 -0.92 0.00	58.12 -0.41 0.00	58.14 0.23 0.00	50.90 0.50 0.00	46.39 0.55 0.00	41.47 0.69 0.00
KATONAH___115KV_46KV_TB4 355592	39.37 1.18 0.00	37.01 1.22 0.00	36.88 1.00 0.00	35.98 1.01 0.00	35.37 1.00 0.00	34.33 1.35 0.00	35.61 1.37 0.00	37.00 1.39 0.00	40.10 1.62 0.00	41.40 1.78 0.00	45.26 2.16 0.00	42.82 2.04 0.00	40.72 1.83 0.00	37.04 1.76 0.00	36.55 1.87 0.00	37.40 1.88 0.00	38.82 2.06 0.00	47.13 2.24 0.00	53.56 2.45 0.00	61.34 2.81 0.00	60.22 2.32 0.00	52.06 1.66 0.00	47.21 1.38 0.00	41.72 0.94 0.00
KCE_NY_1 323755	39.56 1.37 0.00	37.15 1.36 0.00	37.13 1.25 0.00	36.26 1.29 0.00	35.65 1.27 0.00	34.33 1.35 0.00	35.61 1.37 0.00	37.04 1.43 0.00	40.03 1.54 0.00	41.28 1.66 0.00	44.96 1.85 0.00	42.57 1.79 0.00	40.45 1.56 0.00	36.69 1.41 0.00	36.07 1.39 0.00	36.90 1.38 0.00	38.30 1.54 0.00	46.73 1.84 0.00	53.15 2.05 0.00	61.40 2.87 0.00	60.34 2.43 0.00	52.26 1.87 0.00	47.30 1.47 0.00	42.04 1.27 0.00
KCE_NY_6_ESR 323823	38.26 0.08 0.00	35.15 -0.64 0.00	35.41 -0.47 0.00	33.95 -1.02 0.00	33.59 -0.79 0.00	32.88 -0.10 0.00	34.41 0.17 0.00	35.93 0.32 0.00	38.72 0.23 0.00	39.82 0.20 0.00	43.07 -0.04 0.00	40.41 -0.37 0.00	39.39 0.50 0.00	35.63 0.35 0.00	34.85 0.17 0.00	35.44 -0.07 0.00	36.24 -0.51 0.00	44.31 -0.58 0.00	49.98 -1.12 0.00	57.83 -0.70 0.00	57.27 -0.64 0.00	50.34 -0.05 0.00	47.02 1.19 0.00	42.74 1.96 0.00
KEDC_PORT_JEFF_GT2 24210	39.41 1.22 0.00	37.01 1.22 0.00	36.66 0.79 0.00	35.77 0.80 0.00	35.06 0.69 0.00	34.23 1.25 0.00	35.65 1.40 0.00	37.29 1.67 0.00	40.22 1.73 0.00	41.68 2.06 0.00	45.23 2.11 -0.01	43.03 2.24 -0.01	42.46 2.02 -1.55	40.95 2.05 -3.63	40.23 2.29 -3.27	39.16 2.31 -1.34	46.10 2.43 -6.91	53.37 2.74 -5.74	54.36 3.01 -0.25	61.76 3.22 -0.01	60.46 2.55 -0.01	52.58 2.17 -0.02	47.63 1.79 -0.01	41.64 0.86 0.00
KEDC_PORT_JEFF_GT3 24211	39.41 1.22 0.00	37.01 1.22 0.00	36.66 0.79 0.00	35.77 0.80 0.00	35.06 0.69 0.00	34.23 1.25 0.00	35.65 1.40 0.00	37.29 1.67 0.00	40.22 1.73 0.00	41.68 2.06 0.00	45.23 2.11 -0.01	43.03 2.24 -0.01	42.46 2.02 -1.55	40.95 2.05 -3.63	40.23 2.29 -3.27	39.16 2.31 -1.34	46.10 2.43 -6.91	53.37 2.74 -5.74	54.36 3.01 -0.25	61.76 3.22 -0.01	60.46 2.55 -0.01	52.58 2.17 -0.02	47.63 1.79 -0.01	41.64 0.86 0.00
KEDC_GLWD_GT4 24219	39.67 1.49 0.00	37.26 1.47 0.00	36.95 1.08 0.00	36.12 1.15 0.00	35.48 1.10 0.00	34.49 1.52 0.00	35.89 1.64 0.00	37.36 1.74 0.00	40.48 2.00 0.00	41.88 2.26 0.00	45.58 2.46 -0.02	43.32 2.53 -0.02	43.88 2.29 -2.70	43.77 2.19 -6.30	42.64 2.29 -5.68	40.23 2.38 -2.33	51.28 2.50 -12.02	57.60 2.74 -9.97	54.55 3.01 -0.43	61.94 3.39 -0.02	60.70 2.78 -0.02	52.60 2.17 -0.04	47.69 1.84 -0.02	42.00 1.22 0.00
KEDC_GLWD_GT5 24220	39.67 1.49 0.00	37.26 1.47 0.00	36.95 1.08 0.00	36.12 1.15 0.00	35.48 1.10 0.00	34.49 1.52 0.00	35.89 1.64 0.00	37.36 1.74 0.00	40.48 2.00 0.00	41.88 2.26 0.00	45.58 2.46 -0.02	43.32 2.53 -0.02	43.88 2.29 -2.70	43.77 2.19 -6.30	42.64 2.29 -5.68	40.23 2.38 -2.33	51.28 2.50 -12.02	57.60 2.74 -9.97	54.55 3.01 -0.43	61.94 3.39 -0.02	60.70 2.78 -0.02	52.60 2.17 -0.04	47.69 1.84 -0.02	42.00 1.22 0.00



KENSICO____ 23655	39.33 1.15 0.00	36.97 1.18 0.00	36.84 0.97 0.00	35.91 0.94 0.00	35.34 0.96 0.00	34.26 1.29 0.00	35.58 1.34 0.00	36.93 1.32 0.00	40.06 1.58 0.00	41.36 1.74 0.00	45.18 2.07 0.00	42.82 2.04 0.00	40.72 1.83 0.00	37.08 1.80 0.00	36.52 1.84 0.00	37.40 1.88 0.00	38.78 2.02 0.00	47.09 2.20 0.00	53.51 2.40 0.00	61.22 2.69 0.00	60.05 2.14 0.00	52.01 1.61 0.00	47.07 1.24 0.00	41.63 0.86 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	39.18 0.99 0.00	36.79 1.00 0.00	36.70 0.83 0.00	35.81 0.84 0.00	35.20 0.83 0.00	34.06 1.09 0.00	35.41 1.16 0.00	36.72 1.10 0.00	39.83 1.35 0.00	41.04 1.43 0.00	44.83 1.72 0.00	42.37 1.59 0.00	40.25 1.36 0.00	36.58 1.31 0.00	36.07 1.39 0.00	36.97 1.46 0.00	38.37 1.62 0.00	46.78 1.89 0.00	53.25 2.15 0.00	61.05 2.52 0.00	60.05 2.14 0.00	51.90 1.51 0.00	47.03 1.19 0.00	41.68 0.90 0.00
KIAC_JFK_GT1 23816	39.25 1.07 0.00	36.90 1.11 0.00	36.74 0.86 0.00	35.77 0.80 0.00	35.24 0.86 0.00	34.23 1.25 0.00	35.58 1.34 0.00	36.89 1.28 0.00	40.10 1.62 0.00	41.40 1.78 0.00	45.22 2.11 0.00	42.90 2.12 0.00	40.76 1.87 0.00	37.15 1.87 0.00	36.59 1.91 0.00	37.47 1.95 0.00	38.85 2.10 0.00	47.22 2.33 0.00	53.66 2.56 0.00	61.40 2.87 0.00	60.16 2.26 0.00	52.01 1.61 0.00	47.03 1.19 0.00	41.51 0.73 0.00
KIAC_JFK_GT2 23817	39.25 1.07 0.00	36.90 1.11 0.00	36.74 0.86 0.00	35.77 0.80 0.00	35.24 0.86 0.00	34.23 1.25 0.00	35.58 1.34 0.00	36.89 1.28 0.00	40.10 1.62 0.00	41.40 1.78 0.00	45.22 2.11 0.00	42.90 2.12 0.00	40.76 1.87 0.00	37.15 1.87 0.00	36.59 1.91 0.00	37.47 1.95 0.00	38.85 2.10 0.00	47.22 2.33 0.00	53.66 2.56 0.00	61.40 2.87 0.00	60.16 2.26 0.00	52.01 1.61 0.00	47.03 1.19 0.00	41.51 0.73 0.00
KIAC_JFK____ 323774	39.25 1.07 0.00	36.90 1.11 0.00	36.55 0.68 0.00	35.74 0.77 0.00	35.17 0.79 0.00	34.23 1.25 0.00	35.58 1.33 0.00	36.89 1.28 0.00	40.06 1.58 0.00	41.40 1.78 0.00	45.05 1.94 0.00	42.90 2.12 0.00	40.76 1.87 0.00	37.11 1.83 0.00	36.59 1.91 0.00	37.50 1.99 0.00	38.85 2.09 0.00	47.22 2.33 0.00	53.66 2.55 0.00	61.45 2.93 0.00	60.16 2.26 0.00	52.01 1.61 0.00	47.07 1.24 0.00	41.67 0.90 0.00
KINTIGH____ 23543	37.50 -0.69 0.00	34.54 -1.25 0.00	34.76 -1.11 0.00	33.50 -1.47 0.00	32.93 -1.44 0.00	32.28 -0.69 0.00	33.80 -0.45 0.00	35.22 -0.39 0.00	38.02 -0.46 0.00	39.02 -0.59 0.00	41.60 -1.51 0.00	39.76 -1.02 0.00	38.50 -0.39 0.00	34.85 -0.42 0.00	34.16 -0.52 0.00	34.95 -0.57 0.00	35.69 -1.07 0.00	43.54 -1.35 0.00	49.11 -1.99 0.00	56.72 -1.81 0.00	56.17 -1.74 0.00	49.33 -1.06 0.00	45.83 0.00 0.00	41.51 0.73 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	38.41 0.23 0.00	36.15 0.36 0.00	36.48 0.61 0.00	35.67 0.70 0.00	35.10 0.72 0.00	33.37 0.40 0.00	34.62 0.38 0.00	36.00 0.39 0.00	38.72 0.23 0.00	39.50 -0.12 0.00	42.94 -0.17 0.00	40.25 -0.53 0.00	38.42 -0.47 0.00	34.71 -0.56 0.00	34.06 -0.62 0.00	34.84 -0.67 0.00	36.24 -0.51 0.00	44.85 -0.04 0.00	51.41 0.31 0.00	59.58 1.05 0.00	59.70 1.80 0.00	52.26 1.86 0.00	47.53 1.70 0.00	42.45 1.67 0.00
LACHUTE__HYDRO 323717	40.70 2.52 0.00	38.26 2.47 0.00	38.24 2.37 0.00	37.28 2.31 0.00	36.64 2.27 0.00	35.28 2.31 0.00	36.60 2.36 0.00	38.18 2.57 0.00	41.22 2.73 0.00	42.59 2.97 0.00	46.30 3.19 0.00	43.72 2.94 0.00	41.46 2.57 0.00	37.54 2.26 0.00	36.83 2.15 0.00	37.65 2.13 0.00	39.18 2.43 0.00	47.99 3.10 0.00	54.83 3.73 0.00	63.91 5.38 0.00	62.94 5.04 0.00	54.12 3.73 0.00	48.86 3.02 0.00	43.47 2.69 0.00
LAWRNCV_115KV_TB1 80681	37.57 -0.61 0.00	35.33 -0.47 0.00	35.48 -0.39 0.00	34.66 -0.31 0.00	34.03 -0.34 0.00	32.25 -0.73 0.00	33.32 -0.92 0.00	34.65 -0.96 0.00	37.37 -1.12 0.00	38.35 -1.27 0.00	41.73 -1.38 0.00	39.27 -1.51 0.00	37.45 -1.44 0.00	33.90 -1.38 0.00	33.33 -1.35 0.00	34.13 -1.39 0.00	35.36 -1.40 0.00	43.54 -1.35 0.00	49.83 -1.28 0.00	57.42 -1.11 0.00	57.10 -0.81 0.00	49.89 -0.50 0.00	45.33 -0.50 0.00	40.41 -0.37 0.00
LEDERLE____ 23769	39.22 1.03 0.00	36.87 1.07 0.00	36.74 0.86 0.00	35.84 0.87 0.00	35.24 0.86 0.00	34.13 1.15 0.00	35.47 1.23 0.00	36.82 1.21 0.00	39.95 1.46 0.00	41.20 1.58 0.00	45.05 1.94 0.00	42.61 1.83 0.00	40.56 1.67 0.00	36.90 1.62 0.00	36.35 1.66 0.00	37.22 1.70 0.00	38.63 1.87 0.00	46.91 2.02 0.00	53.30 2.20 0.00	61.05 2.52 0.00	59.93 2.03 0.00	51.85 1.46 0.00	46.98 1.15 0.00	41.59 0.82 0.00
LIGHTHSE_115KV_TB6 355974	37.61 -0.57 0.00	35.18 -0.61 0.00	35.30 -0.57 0.00	34.34 -0.63 0.00	33.72 -0.65 0.00	32.55 -0.43 0.00	33.73 -0.51 0.00	35.18 -0.43 0.00	37.95 -0.54 0.00	39.06 -0.55 0.00	42.38 -0.73 0.00	40.04 -0.73 0.00	38.23 -0.66 0.00	34.61 -0.67 0.00	33.95 -0.73 0.00	34.88 -0.64 0.00	36.06 -0.70 0.00	44.35 -0.54 0.00	50.75 -0.36 0.00	58.47 -0.06 0.00	57.73 -0.17 0.00	50.24 -0.15 0.00	45.65 -0.18 0.00	40.53 -0.24 0.00
LINDEN COGEN____ 23786	39.37 1.19 0.00	37.01 1.22 0.00	36.70 0.83 0.00	35.88 0.91 0.00	35.27 0.89 0.00	34.30 1.32 0.00	35.65 1.40 0.00	37.00 1.39 0.00	40.18 1.69 0.00	41.48 1.86 0.00	45.14 2.03 0.00	42.94 2.16 0.00	40.83 1.94 0.00	37.18 1.90 0.00	36.66 1.98 0.00	37.43 1.92 0.00	38.96 2.21 0.00	47.22 2.33 0.00	53.66 2.55 0.00	61.45 2.93 0.00	60.11 2.20 0.00	52.01 1.61 0.00	47.07 1.24 0.00	41.80 1.02 0.00
LINDHRST_69_KV_BK1 356055	40.02 1.83 0.00	37.51 1.72 0.00	37.27 1.40 0.00	36.51 1.54 0.00	35.82 1.44 0.00	34.72 1.75 0.00	36.13 1.88 0.00	37.75 2.14 0.00	40.79 2.31 0.00	42.27 2.65 0.00	46.14 3.02 -0.01	43.68 2.90 -0.01	43.34 2.64 -1.81	42.08 2.58 -4.23	41.16 2.67 -3.81	39.81 2.73 -1.56	47.72 2.90 -8.06	54.90 3.32 -6.69	55.07 3.68 -0.29	62.64 4.10 -0.01	61.39 3.47 -0.01	53.35 2.92 -0.03	48.27 2.43 -0.01	42.61 1.84 0.00
LIPA_MISC_IPP 23656	38.99 0.80 0.00	36.65 0.86 0.00	36.38 0.50 0.00	35.81 0.84 0.00	35.00 0.62 0.00	33.90 0.92 0.00	35.30 1.06 0.00	36.86 1.25 0.00	39.75 1.27 0.00	41.24 1.62 0.00	44.89 1.77 -0.01	42.54 1.75 -0.01	41.95 1.52 -1.54	40.54 1.66 -3.61	39.83 1.91 -3.25	38.73 1.88 -1.33	45.65 2.02 -6.88	52.84 2.24 -5.71	53.85 2.50 -0.24	61.06 2.52 -0.01	59.83 1.91 -0.01	52.08 1.66 -0.03	47.08 1.24 -0.01	41.55 0.77 0.00
LISF__SOLAR 323691	39.02 0.84 0.00	36.69 0.90 0.00	36.31 0.43 0.00	35.46 0.49 0.00	34.76 0.38 0.00	33.93 0.96 0.00	35.34 1.10 0.00	36.96 1.35 0.00	39.79 1.31 0.00	41.28 1.66 0.00	44.71 1.60 -0.01	42.58 1.79 -0.01	42.03 1.60 -1.55	40.55 1.66 -3.61	39.94 2.01 -3.25	38.80 1.95 -1.34	45.70 2.06 -6.89	52.94 2.33 -5.72	53.90 2.55 -0.24	61.17 2.64 -0.01	59.94 2.03 -0.01	52.13 1.71 -0.02	47.17 1.33 -0.01	41.23 0.45 0.00



LITTLE FALLS___HYD 24013	37.42 -0.76 0.00	35.15 -0.64 0.00	35.26 -0.61 0.00	34.41 -0.56 0.00	33.69 -0.69 0.00	32.25 -0.73 0.00	33.39 -0.86 0.00	34.72 -0.89 0.00	37.48 -1.00 0.00	38.51 -1.11 0.00	41.94 -1.16 0.00	39.68 -1.10 0.00	37.80 -1.09 0.00	34.25 -1.02 0.00	33.67 -1.01 0.00	34.56 -0.96 0.00	35.77 -0.99 0.00	43.77 -1.12 0.00	49.98 -1.12 0.00	57.42 -1.11 0.00	56.81 -1.10 0.00	49.44 -0.96 0.00	45.01 -0.83 0.00	40.04 -0.73 0.00
LITTLRIV_115KV_TB1 356100	38.03 -0.15 0.00	35.72 -0.07 0.00	35.91 0.04 0.00	35.07 0.10 0.00	34.45 0.07 0.00	32.65 -0.33 0.00	33.66 -0.58 0.00	35.01 -0.61 0.00	37.68 -0.81 0.00	38.59 -1.03 0.00	42.03 -1.08 0.00	39.51 -1.26 0.00	37.68 -1.21 0.00	34.08 -1.20 0.00	33.47 -1.21 0.00	34.31 -1.21 0.00	35.54 -1.21 0.00	43.95 -0.94 0.00	50.44 -0.66 0.00	58.24 -0.29 0.00	57.91 0.00 0.00	50.59 0.20 0.00	45.88 0.05 0.00	40.90 0.12 0.00
LI_NEWBRDGE___DRP 323616	39.33 1.15 0.00	36.94 1.15 0.00	36.70 0.83 0.00	35.91 0.94 0.00	35.27 0.89 0.00	34.16 1.19 0.00	35.58 1.34 0.00	37.07 1.46 0.00	40.14 1.65 0.00	41.56 1.94 -0.01	45.36 2.24 -0.01	42.91 2.12 -0.01	42.20 1.87 -1.44	40.51 1.87 -3.36	39.65 1.94 -3.02	38.78 2.02 -1.24	45.33 2.17 -6.40	52.54 2.33 -5.32	53.89 2.56 -0.23	61.29 2.75 -0.01	60.06 2.14 -0.01	52.13 1.71 -0.02	47.26 1.42 -0.01	41.80 1.02 0.00
LOCKPORT_115KV_TB60_63_64 80432	37.54 -0.65 0.00	34.50 -1.29 0.00	34.76 -1.11 0.00	33.40 -1.57 0.00	32.83 -1.55 0.00	32.32 -0.66 0.00	33.90 -0.34 0.00	35.22 -0.39 0.00	37.98 -0.50 0.00	38.98 -0.63 0.00	41.34 -1.77 0.00	39.55 -1.22 0.00	38.46 -0.43 0.00	34.82 -0.46 0.00	34.06 -0.62 0.00	34.80 -0.71 0.00	35.47 -1.29 0.00	43.32 -1.57 0.00	48.80 -2.30 0.00	56.42 -2.11 0.00	55.94 -1.97 0.00	49.23 -1.16 0.00	45.97 0.14 0.00	41.80 1.02 0.00
LOCKPORT___CC1 323769	37.54 -0.65 0.00	34.50 -1.29 0.00	34.76 -1.11 0.00	33.40 -1.57 0.00	33.00 -1.38 0.00	32.32 -0.66 0.00	33.90 -0.34 0.00	35.26 -0.36 0.00	38.02 -0.46 0.00	38.98 -0.64 0.00	42.20 -0.91 0.00	39.59 -1.18 0.00	38.50 -0.39 0.00	34.82 -0.46 0.00	34.09 -0.59 0.00	34.73 -0.78 0.00	35.51 -1.25 0.00	43.32 -1.57 0.00	48.80 -2.30 0.00	56.42 -2.10 0.00	55.94 -1.97 0.00	49.24 -1.16 0.00	45.97 0.14 0.00	41.88 1.10 0.00
LOCKPORT___CC2 323770	37.54 -0.65 0.00	34.50 -1.29 0.00	34.76 -1.11 0.00	33.40 -1.57 0.00	33.00 -1.38 0.00	32.32 -0.66 0.00	33.90 -0.34 0.00	35.26 -0.36 0.00	38.02 -0.46 0.00	38.98 -0.64 0.00	42.20 -0.91 0.00	39.59 -1.18 0.00	38.50 -0.39 0.00	34.82 -0.46 0.00	34.09 -0.59 0.00	34.73 -0.78 0.00	35.51 -1.25 0.00	43.32 -1.57 0.00	48.80 -2.30 0.00	56.42 -2.10 0.00	55.94 -1.97 0.00	49.24 -1.16 0.00	45.97 0.14 0.00	41.88 1.10 0.00
LOCKPORT___CC3 323771	37.54 -0.65 0.00	34.50 -1.29 0.00	34.76 -1.11 0.00	33.40 -1.57 0.00	33.00 -1.38 0.00	32.32 -0.66 0.00	33.90 -0.34 0.00	35.26 -0.36 0.00	38.02 -0.46 0.00	38.98 -0.64 0.00	42.20 -0.91 0.00	39.59 -1.18 0.00	38.50 -0.39 0.00	34.82 -0.46 0.00	34.09 -0.59 0.00	34.73 -0.78 0.00	35.51 -1.25 0.00	43.32 -1.57 0.00	48.80 -2.30 0.00	56.42 -2.10 0.00	55.94 -1.97 0.00	49.24 -1.16 0.00	45.97 0.14 0.00	41.88 1.10 0.00
LONG_LAKE_PHOENIX 24014	37.73 -0.46 0.00	35.25 -0.54 0.00	35.34 -0.54 0.00	34.38 -0.59 0.00	33.76 -0.62 0.00	32.58 -0.40 0.00	33.90 -0.34 0.00	35.33 -0.28 0.00	38.21 -0.27 0.00	39.38 -0.24 0.00	42.76 -0.34 0.00	40.49 -0.29 0.00	38.66 -0.23 0.00	35.03 -0.25 0.00	34.37 -0.31 0.00	35.23 -0.28 0.00	36.39 -0.37 0.00	44.53 -0.36 0.00	50.69 -0.41 0.00	58.30 -0.23 0.00	57.56 -0.35 0.00	50.04 -0.35 0.00	45.61 -0.23 0.00	40.57 -0.20 0.00
LOVETT___3 23632	39.10 0.92 0.00	36.72 0.93 0.00	36.63 0.75 0.00	35.70 0.73 0.00	35.13 0.76 0.00	34.03 1.06 0.00	35.34 1.10 0.00	36.72 1.10 0.00	39.79 1.31 0.00	41.08 1.47 0.00	44.88 1.77 0.00	42.49 1.71 0.00	40.41 1.52 0.00	36.79 1.52 0.00	36.24 1.56 0.00	37.11 1.60 0.00	38.49 1.73 0.00	46.73 1.84 0.00	53.10 1.99 0.00	60.81 2.28 0.00	59.64 1.74 0.00	51.65 1.26 0.00	46.80 0.96 0.00	41.39 0.61 0.00
LOVETT___4 23642	39.10 0.92 0.00	36.72 0.93 0.00	36.63 0.75 0.00	35.70 0.73 0.00	35.13 0.76 0.00	34.03 1.06 0.00	35.34 1.10 0.00	36.72 1.10 0.00	39.79 1.31 0.00	41.08 1.47 0.00	44.88 1.77 0.00	42.49 1.71 0.00	40.41 1.52 0.00	36.79 1.52 0.00	36.24 1.56 0.00	37.11 1.60 0.00	38.49 1.73 0.00	46.73 1.84 0.00	53.10 1.99 0.00	60.81 2.28 0.00	59.64 1.74 0.00	51.65 1.26 0.00	46.80 0.96 0.00	41.39 0.61 0.00
LOVETT___5 23593	39.10 0.92 0.00	36.72 0.93 0.00	36.63 0.75 0.00	35.70 0.73 0.00	35.13 0.76 0.00	34.03 1.06 0.00	35.34 1.10 0.00	36.72 1.10 0.00	39.79 1.31 0.00	41.08 1.47 0.00	44.88 1.77 0.00	42.49 1.71 0.00	40.41 1.52 0.00	36.79 1.52 0.00	36.24 1.56 0.00	37.11 1.60 0.00	38.49 1.73 0.00	46.73 1.84 0.00	53.10 1.99 0.00	60.81 2.28 0.00	59.64 1.74 0.00	51.65 1.26 0.00	46.80 0.96 0.00	41.39 0.61 0.00
LOWER RAQUET___HYD 24057	37.34 -0.84 0.00	35.08 -0.72 0.00	35.26 -0.61 0.00	34.45 -0.52 0.00	33.82 -0.55 0.00	32.05 -0.92 0.00	33.11 -1.13 0.00	34.44 -1.17 0.00	37.10 -1.38 0.00	38.03 -1.59 0.00	41.38 -1.73 0.00	38.94 -1.83 0.00	37.18 -1.71 0.00	33.65 -1.62 0.00	33.05 -1.63 0.00	33.85 -1.67 0.00	35.07 -1.69 0.00	43.28 -1.61 0.00	49.52 -1.58 0.00	57.12 -1.41 0.00	56.80 -1.10 0.00	49.64 -0.75 0.00	45.06 -0.78 0.00	40.17 -0.61 0.00
LOWER___HUDSON 24059	38.91 0.72 0.00	36.54 0.75 0.00	36.52 0.65 0.00	35.71 0.74 0.00	35.10 0.72 0.00	33.80 0.82 0.00	35.10 0.86 0.00	36.46 0.85 0.00	39.37 0.89 0.00	40.57 0.95 0.00	44.19 1.08 0.00	41.92 1.14 0.00	39.82 0.93 0.00	36.23 0.95 0.00	35.65 0.97 0.00	36.47 0.96 0.00	37.82 1.07 0.00	45.97 1.08 0.00	52.28 1.18 0.00	60.11 1.58 0.00	59.06 1.16 0.00	51.20 0.80 0.00	46.39 0.55 0.00	41.14 0.37 0.00
LOWVILLE_115KV_TB2 356335	37.84 -0.34 0.00	35.54 -0.25 0.00	35.62 -0.25 0.00	34.73 -0.24 0.00	34.14 -0.24 0.00	32.74 -0.23 0.00	33.59 -0.65 0.00	35.01 -0.61 0.00	37.68 -0.81 0.00	38.63 -0.99 0.00	41.99 -1.12 0.00	39.60 -1.18 0.00	37.72 -1.17 0.00	34.29 -0.99 0.00	33.67 -1.01 0.00	34.63 -0.89 0.00	35.88 -0.88 0.00	44.40 -0.49 0.00	51.05 -0.05 0.00	58.94 0.41 0.00	57.91 0.00 0.00	50.70 0.30 0.00	45.93 0.09 0.00	40.82 0.04 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	39.52 1.34 0.00	37.12 1.32 0.00	37.13 1.26 0.00	36.23 1.26 0.00	35.61 1.24 0.00	34.29 1.32 0.00	35.61 1.37 0.00	37.04 1.42 0.00	40.02 1.54 0.00	41.28 1.66 0.00	45.05 1.94 0.00	42.53 1.75 0.00	40.41 1.52 0.00	36.65 1.38 0.00	36.03 1.35 0.00	36.86 1.35 0.00	38.26 1.51 0.00	46.69 1.80 0.00	53.15 2.04 0.00	61.34 2.81 0.00	60.28 2.37 0.00	52.21 1.81 0.00	47.30 1.47 0.00	42.04 1.26 0.00



LUTHERNY_35_KV_BK2 355980	39.56 1.37 0.00	37.15 1.36 0.00	37.17 1.29 0.00	36.26 1.29 0.00	35.65 1.27 0.00	34.33 1.35 0.00	35.61 1.37 0.00	37.04 1.42 0.00	40.02 1.54 0.00	41.28 1.66 0.00	45.05 1.94 0.00	42.57 1.79 0.00	40.45 1.56 0.00	36.69 1.41 0.00	36.07 1.39 0.00	36.90 1.39 0.00	38.30 1.54 0.00	46.73 1.84 0.00	53.20 2.10 0.00	61.40 2.87 0.00	60.34 2.43 0.00	52.26 1.86 0.00	47.30 1.47 0.00	42.04 1.26 0.00
LWR___OSWEGATCHIE_HYD 23850	37.12 -1.07 0.00	34.86 -0.93 0.00	35.01 -0.86 0.00	34.17 -0.80 0.00	33.55 -0.83 0.00	31.99 -0.99 0.00	32.94 -1.30 0.00	34.29 -1.32 0.00	36.91 -1.58 0.00	37.87 -1.74 0.00	41.21 -1.90 0.00	38.78 -2.00 0.00	36.95 -1.94 0.00	33.51 -1.76 0.00	32.91 -1.77 0.00	33.77 -1.74 0.00	34.99 -1.76 0.00	43.27 -1.62 0.00	49.72 -1.38 0.00	57.42 -1.11 0.00	56.75 -1.16 0.00	49.59 -0.81 0.00	44.96 -0.87 0.00	40.00 -0.77 0.00
LYONS_FALL_HYD 23570	38.19 0.00 0.00	35.83 0.04 0.00	35.91 0.04 0.00	35.00 0.04 0.00	34.41 0.03 0.00	33.07 0.10 0.00	34.04 -0.20 0.00	35.51 -0.11 0.00	38.22 -0.27 0.00	39.26 -0.36 0.00	42.72 -0.39 0.00	40.29 -0.49 0.00	38.43 -0.46 0.00	34.85 -0.42 0.00	34.23 -0.45 0.00	35.16 -0.36 0.00	36.43 -0.33 0.00	44.93 0.04 0.00	51.51 0.41 0.00	59.35 0.82 0.00	58.43 0.52 0.00	51.00 0.61 0.00	46.25 0.41 0.00	41.10 0.32 0.00
MADISON___COUNTY_LFGE 323628	38.91 0.73 0.00	36.44 0.64 0.00	36.52 0.65 0.00	35.60 0.63 0.00	34.96 0.58 0.00	33.70 0.73 0.00	34.93 0.68 0.00	36.43 0.82 0.00	39.25 0.77 0.00	40.37 0.75 0.00	43.88 0.78 0.00	41.47 0.69 0.00	39.59 0.70 0.00	35.84 0.56 0.00	35.17 0.49 0.00	36.08 0.57 0.00	37.35 0.59 0.00	45.92 1.03 0.00	52.53 1.43 0.00	60.46 1.93 0.00	59.64 1.74 0.00	51.90 1.51 0.00	47.12 1.28 0.00	41.88 1.10 0.00
MALONE___115KV_TB1 356076	37.99 -0.19 0.00	35.76 -0.04 0.00	36.05 0.18 0.00	35.25 0.28 0.00	34.69 0.31 0.00	32.91 -0.07 0.00	34.14 -0.10 0.00	35.47 -0.14 0.00	38.18 -0.31 0.00	39.02 -0.59 0.00	42.42 -0.69 0.00	39.76 -1.02 0.00	37.96 -0.93 0.00	34.29 -0.99 0.00	33.67 -1.01 0.00	34.48 -1.03 0.00	35.80 -0.96 0.00	44.26 -0.63 0.00	50.75 -0.36 0.00	58.76 0.23 0.00	58.83 0.93 0.00	51.50 1.11 0.00	46.80 0.96 0.00	41.80 1.02 0.00
MAPLEWOD_115KV_TB3 80458	38.64 0.46 0.00	36.29 0.50 0.00	36.31 0.43 0.00	35.46 0.49 0.00	34.86 0.48 0.00	33.57 0.59 0.00	34.86 0.62 0.00	36.18 0.57 0.00	39.02 0.54 0.00	40.25 0.63 0.00	43.88 0.78 0.00	41.55 0.77 0.00	39.51 0.62 0.00	35.95 0.67 0.00	35.37 0.69 0.00	36.19 0.67 0.00	37.53 0.77 0.00	45.56 0.67 0.00	51.82 0.72 0.00	59.58 1.05 0.00	58.54 0.64 0.00	50.75 0.35 0.00	45.97 0.14 0.00	40.86 0.08 0.00
MAPLE_RIDGE_WT_1 323574	37.65 -0.53 0.00	35.40 -0.39 0.00	35.55 -0.32 0.00	34.65 -0.32 0.00	34.03 -0.34 0.00	32.48 -0.49 0.00	33.73 -0.51 0.00	35.04 -0.57 0.00	37.83 -0.65 0.00	38.86 -0.75 0.00	42.33 -0.77 0.00	40.00 -0.78 0.00	38.15 -0.74 0.00	34.60 -0.67 0.00	34.02 -0.66 0.00	34.84 -0.68 0.00	36.06 -0.70 0.00	44.13 -0.76 0.00	50.39 -0.72 0.00	57.89 -0.64 0.00	57.33 -0.58 0.00	50.04 -0.35 0.00	45.56 -0.27 0.00	40.62 -0.16 0.00
MAPLE_RIDGE_WT_2 323611	37.65 -0.53 0.00	35.40 -0.39 0.00	35.55 -0.32 0.00	34.65 -0.32 0.00	34.03 -0.34 0.00	32.48 -0.49 0.00	33.73 -0.51 0.00	35.04 -0.57 0.00	37.83 -0.65 0.00	38.86 -0.75 0.00	42.33 -0.77 0.00	40.00 -0.78 0.00	38.15 -0.74 0.00	34.60 -0.67 0.00	34.02 -0.66 0.00	34.84 -0.68 0.00	36.06 -0.70 0.00	44.13 -0.76 0.00	50.39 -0.72 0.00	57.89 -0.64 0.00	57.33 -0.58 0.00	50.04 -0.35 0.00	45.56 -0.27 0.00	40.62 -0.16 0.00
MARBLE_RIVER_WT_PWR 323696	37.65 -0.53 0.00	35.47 -0.32 0.00	35.77 -0.11 0.00	34.97 0.00 0.00	34.45 0.07 0.00	32.75 -0.23 0.00	33.97 -0.28 0.00	35.29 -0.32 0.00	37.91 -0.58 0.00	38.71 -0.91 0.00	42.03 -1.08 0.00	39.47 -1.31 0.00	37.64 -1.25 0.00	34.04 -1.24 0.00	33.43 -1.25 0.00	34.20 -1.31 0.00	35.55 -1.21 0.00	43.86 -1.03 0.00	50.28 -0.82 0.00	58.18 -0.35 0.00	58.20 0.29 0.00	50.95 0.56 0.00	46.43 0.59 0.00	41.51 0.73 0.00
MARSHVLE_115KV_TB1 80742	40.67 2.48 0.00	38.12 2.33 0.00	38.17 2.30 0.00	37.17 2.20 0.00	36.54 2.17 0.00	35.22 2.24 0.00	36.50 2.26 0.00	37.93 2.31 0.00	40.87 2.39 0.00	41.92 2.30 0.00	45.48 2.37 0.00	42.65 1.88 0.00	40.84 1.94 0.00	36.93 1.66 0.00	36.14 1.46 0.00	37.04 1.53 0.00	38.67 1.91 0.00	47.99 3.10 0.00	54.94 3.83 0.00	63.74 5.21 0.00	62.77 4.86 0.00	54.22 3.83 0.00	49.04 3.21 0.00	43.55 2.77 0.00
MARSH_HILL_WT_PWR 323713	38.68 0.50 0.00	35.72 -0.07 0.00	35.87 0.00 0.00	34.51 -0.46 0.00	33.97 -0.41 0.00	33.07 0.10 0.00	34.69 0.44 0.00	36.29 0.67 0.00	39.21 0.73 0.00	40.25 0.63 0.00	43.54 0.43 0.00	40.86 0.08 0.00	39.28 0.39 0.00	35.45 0.18 0.00	34.65 -0.03 0.00	35.55 0.04 0.00	36.72 -0.04 0.00	45.38 0.49 0.00	51.72 0.62 0.00	59.88 1.35 0.00	59.18 1.27 0.00	51.75 1.36 0.00	47.67 1.84 0.00	42.78 2.00 0.00
MCINTYRE_115KV_TB2 80467	38.57 0.38 0.00	36.26 0.47 0.00	36.41 0.54 0.00	35.56 0.59 0.00	34.93 0.55 0.00	33.07 0.10 0.00	34.07 -0.17 0.00	35.43 -0.18 0.00	38.10 -0.38 0.00	39.02 -0.59 0.00	42.46 -0.65 0.00	39.92 -0.86 0.00	38.11 -0.78 0.00	34.43 -0.85 0.00	33.81 -0.87 0.00	34.66 -0.85 0.00	35.95 -0.81 0.00	44.44 -0.45 0.00	51.05 -0.05 0.00	58.94 0.41 0.00	58.66 0.75 0.00	51.25 0.86 0.00	46.48 0.64 0.00	41.43 0.65 0.00
MECO_____69_KV_BK1 80468	40.97 2.79 0.00	38.44 2.65 0.00	38.46 2.58 0.00	37.45 2.48 0.00	36.82 2.44 0.00	35.45 2.47 0.00	36.78 2.53 0.00	38.25 2.64 0.00	41.14 2.66 0.00	42.31 2.69 0.00	45.91 2.80 0.00	43.18 2.41 0.00	41.19 2.29 0.00	37.29 2.01 0.00	36.55 1.87 0.00	37.43 1.92 0.00	39.04 2.28 0.00	48.26 3.37 0.00	55.19 4.09 0.00	64.15 5.62 0.00	63.18 5.27 0.00	54.58 4.18 0.00	49.32 3.48 0.00	43.84 3.06 0.00
MENANDS___115KV_TB5 355628	38.41 0.23 0.00	36.11 0.32 0.00	36.13 0.25 0.00	35.28 0.31 0.00	34.69 0.31 0.00	33.44 0.46 0.00	34.69 0.45 0.00	36.00 0.39 0.00	38.83 0.35 0.00	40.05 0.44 0.00	43.67 0.56 0.00	41.39 0.61 0.00	39.36 0.47 0.00	35.81 0.53 0.00	35.24 0.55 0.00	36.05 0.53 0.00	37.35 0.59 0.00	45.29 0.40 0.00	51.46 0.36 0.00	59.17 0.64 0.00	58.08 0.17 0.00	50.39 0.00 0.00	45.70 -0.14 0.00	40.62 -0.16 0.00
MG INDUSTRY___DRP 24185	38.64 0.46 0.00	36.29 0.50 0.00	36.34 0.47 0.00	35.46 0.49 0.00	34.89 0.52 0.00	33.57 0.59 0.00	34.82 0.58 0.00	36.15 0.53 0.00	39.02 0.54 0.00	40.17 0.55 0.00	43.76 0.65 0.00	41.39 0.61 0.00	39.36 0.47 0.00	35.77 0.49 0.00	35.20 0.52 0.00	36.01 0.50 0.00	37.35 0.59 0.00	45.38 0.49 0.00	51.67 0.56 0.00	59.47 0.94 0.00	58.43 0.52 0.00	50.75 0.35 0.00	46.02 0.18 0.00	40.98 0.20 0.00



MID___OSWEGATCHIE_HYD 23849	37.12 -1.07 0.00	34.86 -0.93 0.00	35.01 -0.86 0.00	34.17 -0.80 0.00	33.55 -0.83 0.00	31.99 -0.99 0.00	32.94 -1.30 0.00	34.29 -1.32 0.00	36.91 -1.58 0.00	37.87 -1.74 0.00	41.21 -1.90 0.00	38.78 -2.00 0.00	36.95 -1.94 0.00	33.51 -1.76 0.00	32.91 -1.77 0.00	33.77 -1.74 0.00	34.99 -1.76 0.00	43.27 -1.62 0.00	49.72 -1.38 0.00	57.42 -1.11 0.00	56.75 -1.16 0.00	49.59 -0.81 0.00	44.96 -0.87 0.00	40.00 -0.77 0.00
MID___RAQUETTE_HYD 23851	37.35 -0.84 0.00	35.08 -0.72 0.00	35.26 -0.61 0.00	34.45 -0.52 0.00	33.83 -0.55 0.00	32.05 -0.92 0.00	33.08 -1.16 0.00	34.40 -1.21 0.00	37.10 -1.39 0.00	38.03 -1.58 0.00	41.43 -1.68 0.00	38.94 -1.84 0.00	37.18 -1.71 0.00	33.65 -1.62 0.00	33.05 -1.63 0.00	33.85 -1.67 0.00	35.07 -1.69 0.00	43.27 -1.62 0.00	49.52 -1.58 0.00	57.12 -1.40 0.00	56.81 -1.10 0.00	49.64 -0.76 0.00	45.06 -0.78 0.00	40.17 -0.61 0.00
MILLIKEN___1 23584	38.95 0.76 0.00	36.36 0.57 0.00	36.45 0.57 0.00	35.42 0.45 0.00	34.79 0.41 0.00	33.63 0.66 0.00	35.03 0.79 0.00	36.57 0.96 0.00	39.48 1.00 0.00	40.65 1.03 0.00	44.01 0.91 0.00	41.59 0.82 0.00	39.75 0.86 0.00	35.95 0.67 0.00	35.27 0.59 0.00	36.19 0.67 0.00	37.42 0.66 0.00	46.10 1.21 0.00	52.59 1.48 0.00	60.58 2.05 0.00	59.76 1.85 0.00	52.01 1.61 0.00	47.39 1.56 0.00	42.12 1.35 0.00
MILLIKEN___2 23585	38.95 0.76 0.00	36.36 0.57 0.00	36.45 0.57 0.00	35.42 0.45 0.00	34.79 0.41 0.00	33.63 0.66 0.00	35.03 0.79 0.00	36.57 0.96 0.00	39.48 1.00 0.00	40.65 1.03 0.00	44.01 0.91 0.00	41.59 0.82 0.00	39.75 0.86 0.00	35.95 0.67 0.00	35.27 0.59 0.00	36.19 0.67 0.00	37.42 0.66 0.00	46.10 1.21 0.00	52.59 1.48 0.00	60.58 2.05 0.00	59.76 1.85 0.00	52.01 1.61 0.00	47.39 1.56 0.00	42.12 1.35 0.00
MILLIKEN___DIESEL 23629	38.95 0.76 0.00	36.36 0.57 0.00	36.45 0.57 0.00	35.42 0.45 0.00	34.79 0.41 0.00	33.63 0.66 0.00	35.03 0.79 0.00	36.57 0.96 0.00	39.48 1.00 0.00	40.65 1.03 0.00	44.01 0.91 0.00	41.59 0.82 0.00	39.75 0.86 0.00	35.95 0.67 0.00	35.27 0.59 0.00	36.19 0.67 0.00	37.42 0.66 0.00	46.10 1.21 0.00	52.59 1.48 0.00	60.58 2.05 0.00	59.76 1.85 0.00	52.01 1.61 0.00	47.39 1.56 0.00	42.12 1.35 0.00
MILLSEAT___LFGE 323607	38.22 0.04 0.00	35.18 -0.61 0.00	35.45 -0.43 0.00	34.06 -0.91 0.00	33.65 -0.72 0.00	32.94 -0.03 0.00	34.48 0.24 0.00	35.90 0.28 0.00	38.68 0.19 0.00	39.66 0.04 0.00	42.98 -0.13 0.00	40.25 -0.53 0.00	39.05 0.16 0.00	35.28 0.00 0.00	34.51 -0.17 0.00	35.19 -0.32 0.00	36.10 -0.66 0.00	44.22 -0.67 0.00	50.03 -1.08 0.00	57.83 -0.70 0.00	57.56 -0.35 0.00	50.54 0.15 0.00	47.02 1.19 0.00	42.57 1.79 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	39.22 1.03 0.00	36.87 1.07 0.00	36.74 0.86 0.00	35.81 0.84 0.00	35.24 0.86 0.00	34.13 1.15 0.00	35.47 1.23 0.00	36.82 1.21 0.00	39.95 1.46 0.00	41.20 1.58 0.00	45.01 1.90 0.00	42.65 1.88 0.00	40.56 1.67 0.00	36.90 1.62 0.00	36.38 1.70 0.00	37.25 1.74 0.00	38.63 1.87 0.00	46.91 2.02 0.00	53.30 2.20 0.00	60.99 2.46 0.00	59.88 1.97 0.00	51.80 1.41 0.00	46.93 1.10 0.00	41.51 0.73 0.00
MILLWOOD_13_KV_LOAD 356217	39.25 1.07 0.00	36.94 1.15 0.00	36.81 0.93 0.00	35.88 0.91 0.00	35.30 0.93 0.00	34.23 1.25 0.00	35.54 1.30 0.00	36.89 1.28 0.00	39.99 1.50 0.00	41.28 1.66 0.00	45.09 1.98 0.00	42.69 1.92 0.00	40.60 1.71 0.00	36.97 1.69 0.00	36.45 1.77 0.00	37.29 1.78 0.00	38.71 1.95 0.00	47.00 2.11 0.00	53.40 2.30 0.00	61.16 2.63 0.00	59.99 2.08 0.00	51.90 1.51 0.00	47.07 1.24 0.00	41.59 0.82 0.00
MODEL_CITY_ENERGY 24167	37.19 -0.99 0.00	34.18 -1.61 0.00	34.48 -1.40 0.00	33.08 -1.89 0.00	32.73 -1.65 0.00	32.05 -0.92 0.00	33.66 -0.58 0.00	34.93 -0.68 0.00	37.67 -0.81 0.00	38.63 -0.99 0.00	41.82 -1.29 0.00	39.23 -1.55 0.00	38.15 -0.74 0.00	34.53 -0.74 0.00	33.81 -0.87 0.00	34.41 -1.10 0.00	35.18 -1.58 0.00	42.92 -1.97 0.00	48.29 -2.81 0.00	55.84 -2.69 0.00	55.30 -2.60 0.00	48.73 -1.66 0.00	45.52 -0.32 0.00	41.55 0.77 0.00
MODERN_LFGE___ 323580	37.19 -0.99 0.00	34.18 -1.61 0.00	34.48 -1.40 0.00	33.08 -1.89 0.00	32.73 -1.65 0.00	32.05 -0.92 0.00	33.66 -0.58 0.00	34.93 -0.68 0.00	37.67 -0.81 0.00	38.63 -0.99 0.00	41.82 -1.29 0.00	39.23 -1.55 0.00	38.15 -0.74 0.00	34.53 -0.74 0.00	33.81 -0.87 0.00	34.41 -1.10 0.00	35.18 -1.58 0.00	42.92 -1.97 0.00	48.29 -2.81 0.00	55.84 -2.69 0.00	55.30 -2.60 0.00	48.73 -1.66 0.00	45.52 -0.32 0.00	41.55 0.77 0.00
MOHAWK_PAPER___DRP 24187	38.64 0.46 0.00	36.29 0.50 0.00	36.31 0.43 0.00	35.46 0.49 0.00	34.86 0.48 0.00	33.57 0.59 0.00	34.86 0.62 0.00	36.18 0.57 0.00	39.02 0.54 0.00	40.25 0.63 0.00	43.88 0.78 0.00	41.55 0.77 0.00	39.51 0.62 0.00	35.95 0.67 0.00	35.37 0.69 0.00	36.19 0.67 0.00	37.53 0.77 0.00	45.56 0.67 0.00	51.82 0.72 0.00	59.58 1.05 0.00	58.54 0.64 0.00	50.75 0.35 0.00	45.97 0.14 0.00	40.86 0.08 0.00
MOHICAN___35_KV_115KV_LD 80490	39.83 1.64 0.00	37.44 1.65 0.00	37.42 1.54 0.00	36.51 1.54 0.00	35.89 1.51 0.00	34.56 1.58 0.00	35.85 1.61 0.00	37.36 1.74 0.00	40.37 1.89 0.00	41.72 2.10 0.00	45.48 2.37 0.00	42.94 2.16 0.00	40.76 1.87 0.00	36.93 1.66 0.00	36.28 1.60 0.00	37.08 1.56 0.00	38.56 1.80 0.00	47.09 2.20 0.00	53.66 2.56 0.00	62.10 3.57 0.00	61.09 3.18 0.00	52.76 2.37 0.00	47.71 1.88 0.00	42.41 1.63 0.00
MONGAUP___HYD 23641	39.10 0.91 0.00	36.72 0.93 0.00	36.59 0.72 0.00	35.74 0.77 0.00	35.10 0.72 0.00	33.96 0.99 0.00	35.30 1.06 0.00	36.57 0.96 0.00	39.64 1.15 0.00	40.81 1.19 0.00	44.40 1.29 0.00	42.08 1.30 0.00	40.02 1.13 0.00	36.33 1.06 0.00	35.82 1.14 0.00	36.68 1.17 0.00	38.12 1.36 0.00	46.50 1.61 0.00	52.64 1.53 0.00	60.40 1.87 0.00	59.47 1.56 0.00	51.40 1.01 0.00	46.93 1.10 0.00	41.67 0.90 0.00
MONTAUK___DIESEL 23721	38.99 0.80 0.00	36.58 0.79 0.00	36.16 0.29 0.00	35.60 0.63 0.00	34.69 0.31 0.00	33.63 0.66 0.00	35.06 0.82 0.00	36.72 1.10 0.00	39.60 1.12 0.00	41.16 1.55 0.00	44.28 1.16 -0.01	42.17 1.39 -0.01	41.68 1.24 -1.54	40.40 1.52 -3.61	39.98 2.05 -3.25	39.05 2.20 -1.34	46.10 2.46 -6.88	53.47 2.87 -5.71	54.52 3.17 -0.24	61.99 3.45 -0.01	60.81 2.90 -0.01	52.59 2.17 -0.03	47.45 1.60 -0.01	42.08 1.30 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	39.29 1.11 0.00	36.15 0.36 0.00	36.13 0.25 0.00	34.59 -0.38 0.00	33.96 -0.41 0.00	33.44 0.46 0.00	35.00 0.75 0.00	36.61 1.00 0.00	39.48 1.00 0.00	40.73 1.11 0.00	43.45 0.34 0.00	41.55 0.77 0.00	40.56 1.67 0.00	36.69 1.41 0.00	35.89 1.21 0.00	36.58 1.07 0.00	37.35 0.59 0.00	45.88 0.99 0.00	51.87 0.77 0.00	60.34 1.81 0.00	59.64 1.74 0.00	52.26 1.86 0.00	48.68 2.84 0.00	44.08 3.30 0.00



MORRIS_RIDGE___SOLAR 323848	38.15 -0.04 0.00	35.18 -0.61 0.00	35.37 -0.50 0.00	34.06 -0.91 0.00	33.55 -0.83 0.00	32.68 -0.30 0.00	34.21 -0.03 0.00	35.75 0.14 0.00	38.64 0.15 0.00	39.66 0.04 0.00	42.85 -0.26 0.00	40.25 -0.53 0.00	38.74 -0.15 0.00	34.96 -0.32 0.00	34.12 -0.56 0.00	34.98 -0.53 0.00	36.13 -0.63 0.00	44.53 -0.36 0.00	50.54 -0.56 0.00	58.47 -0.06 0.00	57.79 -0.12 0.00	50.60 0.20 0.00	46.75 0.92 0.00	42.12 1.34 0.00
MORTIMER_115KV_TB3 55949	37.92 -0.27 0.00	35.11 -0.68 0.00	35.30 -0.57 0.00	34.10 -0.87 0.00	33.48 -0.89 0.00	32.71 -0.26 0.00	34.14 -0.10 0.00	35.61 0.00 0.00	38.45 -0.04 0.00	39.54 -0.08 0.00	42.42 -0.69 0.00	40.37 -0.41 0.00	38.89 0.00 0.00	35.17 -0.11 0.00	34.47 -0.21 0.00	35.30 -0.21 0.00	36.24 -0.51 0.00	44.35 -0.54 0.00	50.29 -0.82 0.00	57.94 -0.59 0.00	57.50 -0.41 0.00	50.29 -0.10 0.00	46.38 0.55 0.00	41.63 0.86 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	39.48 1.30 0.00	37.12 1.32 0.00	36.99 1.11 0.00	36.02 1.05 0.00	35.48 1.10 0.00	34.39 1.42 0.00	35.75 1.51 0.00	37.11 1.50 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.39 2.28 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.29 2.01 0.00	36.73 2.05 0.00	37.65 2.13 0.00	39.04 2.28 0.00	47.36 2.47 0.00	53.81 2.71 0.00	61.57 3.04 0.00	60.34 2.43 0.00	52.21 1.81 0.00	47.26 1.42 0.00	41.80 1.02 0.00
MUNSVILLE_WIND_PWR 323609	40.90 2.71 0.00	38.33 2.54 0.00	38.46 2.58 0.00	37.38 2.41 0.00	36.61 2.23 0.00	35.42 2.44 0.00	36.60 2.36 0.00	38.39 2.78 0.00	41.29 2.81 0.00	42.27 2.65 0.00	45.95 2.84 0.00	43.18 2.41 0.00	41.18 2.29 0.00	37.07 1.80 0.00	36.28 1.60 0.00	37.40 1.88 0.00	38.67 1.91 0.00	48.35 3.46 0.00	55.70 4.60 0.00	64.62 6.09 0.00	63.70 5.79 0.00	55.38 4.99 0.00	50.28 4.44 0.00	44.61 3.83 0.00
N SALMON___HYD 24042	38.00 -0.19 0.00	35.76 -0.04 0.00	36.06 0.18 0.00	35.25 0.28 0.00	34.65 0.27 0.00	32.91 -0.07 0.00	34.14 -0.10 0.00	35.47 -0.14 0.00	38.17 -0.31 0.00	39.02 -0.59 0.00	42.42 -0.69 0.00	39.76 -1.02 0.00	37.96 -0.93 0.00	34.29 -0.99 0.00	33.67 -1.01 0.00	34.48 -1.03 0.00	35.80 -0.96 0.00	44.26 -0.63 0.00	50.75 -0.36 0.00	58.76 0.24 0.00	58.83 0.92 0.00	51.50 1.11 0.00	46.80 0.96 0.00	41.80 1.02 0.00
N.AKRON__115KV_KNAPP 355671	38.15 -0.04 0.00	35.11 -0.68 0.00	35.37 -0.50 0.00	33.96 -1.01 0.00	33.38 -1.00 0.00	32.88 -0.10 0.00	34.41 0.17 0.00	35.83 0.21 0.00	38.60 0.12 0.00	39.62 0.00 0.00	42.12 -0.99 0.00	40.21 -0.57 0.00	38.97 0.08 0.00	35.24 -0.04 0.00	34.47 -0.21 0.00	35.27 -0.25 0.00	36.02 -0.74 0.00	44.13 -0.76 0.00	49.88 -1.23 0.00	57.71 -0.82 0.00	57.39 -0.52 0.00	50.39 0.00 0.00	46.89 1.05 0.00	42.41 1.63 0.00
N.BELMOR_69_KV_BK1 55787	39.75 1.57 0.00	37.29 1.50 0.00	37.06 1.18 0.00	36.26 1.29 0.00	35.61 1.24 0.00	34.49 1.52 0.00	35.92 1.68 0.00	37.46 1.85 0.00	40.52 2.04 0.00	42.00 2.38 0.00	45.84 2.72 -0.01	43.36 2.57 -0.01	43.41 2.33 -2.18	42.64 2.26 -5.10	41.63 2.36 -4.59	39.82 2.41 -1.89	49.06 2.57 -9.73	55.84 2.87 -8.07	54.62 3.17 -0.35	62.05 3.51 -0.01	60.87 2.95 -0.01	52.80 2.37 -0.04	47.86 2.02 -0.01	42.25 1.47 0.00
N.E_GEN_SANDY PD 24062	38.76 0.57 0.00	36.47 0.68 0.00	36.34 0.47 0.00	35.60 0.63 0.00	34.96 0.58 0.00	33.80 0.82 0.00	35.10 0.86 0.00	36.39 0.78 0.00	39.37 0.89 0.00	40.53 0.91 0.00	44.19 1.08 0.00	42.00 1.22 0.00	39.90 1.01 0.00	36.30 1.02 0.00	35.79 1.11 0.00	36.62 1.10 0.00	38.31 1.21 -0.34	45.67 1.12 0.34	52.28 1.18 0.00	59.88 1.35 0.00	58.78 0.87 0.00	51.00 0.61 0.00	46.16 0.32 0.00	40.86 0.08 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	39.10 0.92 0.00	36.76 0.97 0.00	36.63 0.75 0.00	35.74 0.77 0.00	35.17 0.79 0.00	34.06 1.09 0.00	35.37 1.13 0.00	36.72 1.10 0.00	39.83 1.35 0.00	41.08 1.47 0.00	44.88 1.77 0.00	42.53 1.75 0.00	40.45 1.56 0.00	36.79 1.52 0.00	36.28 1.60 0.00	37.11 1.60 0.00	38.52 1.76 0.00	46.78 1.89 0.00	53.15 2.04 0.00	60.87 2.34 0.00	59.70 1.80 0.00	51.70 1.31 0.00	46.84 1.01 0.00	41.47 0.69 0.00
N.QUEENS_27_KV_LOAD 356247	39.29 1.11 0.00	36.97 1.18 0.00	36.77 0.90 0.00	35.81 0.84 0.00	35.27 0.89 0.00	34.29 1.32 0.00	35.68 1.44 0.00	36.96 1.35 0.00	40.22 1.73 0.00	41.48 1.86 0.00	45.26 2.16 0.00	42.94 2.16 0.00	40.87 1.98 0.00	37.29 2.01 0.00	36.73 2.05 0.00	37.61 2.10 0.00	38.96 2.21 0.00	47.22 2.33 0.00	53.61 2.50 0.00	61.16 2.63 0.00	59.99 2.08 0.00	51.90 1.51 0.00	46.98 1.15 0.00	41.51 0.73 0.00
N.TROY___115KV_TB1 355778	38.91 0.73 0.00	36.54 0.75 0.00	36.56 0.68 0.00	35.67 0.70 0.00	35.10 0.72 0.00	33.80 0.82 0.00	35.10 0.86 0.00	36.47 0.85 0.00	39.41 0.92 0.00	40.57 0.95 0.00	44.36 1.25 0.00	41.92 1.14 0.00	39.86 0.97 0.00	36.23 0.95 0.00	35.65 0.97 0.00	36.47 0.96 0.00	37.82 1.07 0.00	45.97 1.08 0.00	52.28 1.18 0.00	60.11 1.58 0.00	59.06 1.16 0.00	51.20 0.81 0.00	46.38 0.55 0.00	41.19 0.41 0.00
NARROWS_GT1_1 24228	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
NARROWS_GT1_2 24229	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
NARROWS_GT1_3 24230	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
NARROWS_GT1_4 24231	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57



NARROWS_GT1_5 24232	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
NARROWS_GT1_6 24233	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
NARROWS_GT1_7 24234	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
NARROWS_GT1_8 24235	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
NARROWS_GT2_1 24236	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
NARROWS_GT2_2 24237	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
NARROWS_GT2_3 24238	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
NARROWS_GT2_4 24239	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
NARROWS_GT2_5 24240	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
NARROWS_GT2_6 24241	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
NARROWS_GT2_7 24242	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
NARROWS_GT2_8 24243	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	39.03 0.84 0.00	36.65 0.86 0.00	36.66 0.79 0.00	35.77 0.80 0.00	35.17 0.79 0.00	33.87 0.89 0.00	35.17 0.92 0.00	36.40 0.78 0.00	39.33 0.85 0.00	40.49 0.87 0.00	44.06 0.95 0.00	41.59 0.82 0.00	39.51 0.62 0.00	35.84 0.56 0.00	35.34 0.66 0.00	36.12 0.60 0.00	37.53 0.77 0.00	45.79 0.90 0.00	52.18 1.07 0.00	60.23 1.70 0.00	59.35 1.45 0.00	51.30 0.91 0.00	46.48 0.64 0.00	41.43 0.65 0.00
NCHELSEA_115KV_TR2 355582	39.25 1.07 0.00	36.90 1.11 0.00	36.81 0.93 0.00	35.88 0.91 0.00	35.30 0.93 0.00	34.16 1.19 0.00	35.51 1.27 0.00	36.82 1.21 0.00	39.95 1.46 0.00	41.20 1.58 0.00	45.05 1.94 0.00	42.61 1.83 0.00	40.52 1.63 0.00	36.83 1.55 0.00	36.31 1.63 0.00	37.15 1.63 0.00	38.56 1.80 0.00	46.91 2.02 0.00	53.30 2.20 0.00	61.10 2.58 0.00	60.05 2.14 0.00	51.90 1.51 0.00	47.07 1.24 0.00	41.68 0.90 0.00
NEG CAPITAL___MECHNVIL 23645	39.56 1.37 0.00	37.15 1.36 0.00	37.13 1.25 0.00	36.26 1.29 0.00	35.61 1.24 0.00	34.33 1.35 0.00	35.61 1.37 0.00	37.04 1.43 0.00	40.03 1.54 0.00	41.32 1.70 0.00	45.00 1.89 0.00	42.61 1.84 0.00	40.49 1.60 0.00	36.72 1.45 0.00	36.10 1.42 0.00	36.94 1.42 0.00	38.34 1.58 0.00	46.73 1.84 0.00	53.20 2.10 0.00	61.40 2.87 0.00	60.34 2.43 0.00	52.26 1.87 0.00	47.30 1.47 0.00	42.00 1.22 0.00



NEG CENTRAL_HIGH_ACRES 23767	37.34 -0.84 0.00	34.64 -1.15 0.00	34.83 -1.04 0.00	33.68 -1.29 0.00	33.17 -1.20 0.00	32.22 -0.76 0.00	33.63 -0.62 0.00	35.11 -0.50 0.00	37.91 -0.58 0.00	39.06 -0.55 0.00	42.46 -0.65 0.00	39.92 -0.86 0.00	38.38 -0.51 0.00	34.68 -0.60 0.00	33.99 -0.69 0.00	34.77 -0.75 0.00	35.80 -0.96 0.00	43.90 -0.99 0.00	49.83 -1.28 0.00	57.30 -1.23 0.00	56.87 -1.04 0.00	49.69 -0.71 0.00	45.70 -0.14 0.00	40.86 0.08 0.00
NEG CENTRAL___DRP 24199	38.45 0.27 0.00	35.79 0.00 0.00	35.91 0.04 0.00	34.83 -0.14 0.00	34.20 -0.17 0.00	33.17 0.20 0.00	34.58 0.34 0.00	36.11 0.50 0.00	39.02 0.54 0.00	40.17 0.55 0.00	43.41 0.30 0.00	41.10 0.33 0.00	39.36 0.47 0.00	35.59 0.32 0.00	34.89 0.21 0.00	35.80 0.28 0.00	36.94 0.18 0.00	45.43 0.54 0.00	51.72 0.61 0.00	59.52 0.99 0.00	58.78 0.87 0.00	51.30 0.91 0.00	46.84 1.01 0.00	41.76 0.98 0.00
NEG CENTRAL___INDECK 23768	39.14 0.96 0.00	36.19 0.39 0.00	36.38 0.50 0.00	35.04 0.07 0.00	34.51 0.14 0.00	33.67 0.69 0.00	35.17 0.92 0.00	36.72 1.11 0.00	39.41 0.92 0.00	40.37 0.75 0.00	43.63 0.52 0.00	40.82 0.04 0.00	39.24 0.35 0.00	35.42 0.14 0.00	34.75 0.07 0.00	35.59 0.07 0.00	36.76 0.00 0.00	45.43 0.54 0.00	51.92 0.82 0.00	60.35 1.82 0.00	60.05 2.14 0.00	52.46 2.07 0.00	48.35 2.52 0.00	43.22 2.45 0.00
NEG CENTRAL___SENECA 23627	38.61 0.42 0.00	35.86 0.07 0.00	36.02 0.14 0.00	34.86 -0.10 0.00	34.20 -0.17 0.00	33.27 0.30 0.00	34.76 0.51 0.00	36.32 0.71 0.00	39.22 0.73 0.00	40.37 0.75 0.00	43.50 0.39 0.00	41.19 0.41 0.00	39.51 0.62 0.00	35.70 0.42 0.00	34.96 0.28 0.00	35.87 0.36 0.00	37.01 0.26 0.00	45.56 0.67 0.00	51.92 0.82 0.00	59.70 1.17 0.00	59.01 1.10 0.00	51.55 1.16 0.00	47.21 1.38 0.00	42.12 1.35 0.00
NEG CENTRAL___STATE_STREET 24147	38.41 0.23 0.00	35.86 0.07 0.00	35.95 0.07 0.00	34.90 -0.07 0.00	34.27 -0.10 0.00	33.17 0.20 0.00	34.55 0.31 0.00	36.07 0.46 0.00	39.02 0.54 0.00	40.25 0.63 0.00	43.58 0.47 0.00	41.27 0.49 0.00	39.43 0.54 0.00	35.70 0.42 0.00	34.99 0.31 0.00	35.91 0.39 0.00	37.09 0.33 0.00	45.56 0.67 0.00	51.87 0.77 0.00	59.70 1.17 0.00	58.95 1.04 0.00	51.30 0.91 0.00	46.75 0.92 0.00	41.55 0.77 0.00
NEG MILLWOOD___DRP 24198	39.45 1.26 0.00	37.08 1.29 0.00	36.95 1.08 0.00	36.05 1.08 0.00	35.44 1.07 0.00	34.36 1.38 0.00	35.68 1.44 0.00	37.04 1.42 0.00	40.18 1.69 0.00	41.48 1.86 0.00	45.35 2.24 0.00	42.86 2.08 0.00	40.76 1.87 0.00	37.04 1.76 0.00	36.55 1.87 0.00	37.40 1.88 0.00	38.82 2.06 0.00	47.18 2.29 0.00	53.66 2.56 0.00	61.46 2.93 0.00	60.40 2.49 0.00	52.21 1.81 0.00	47.35 1.51 0.00	41.84 1.06 0.00
NEG NORTH_FLCN_SEA 23793	38.11 -0.08 0.00	35.90 0.11 0.00	36.23 0.36 0.00	35.42 0.45 0.00	34.86 0.48 0.00	33.14 0.16 0.00	34.41 0.17 0.00	35.75 0.14 0.00	38.41 -0.08 0.00	39.22 -0.40 0.00	42.59 -0.52 0.00	39.96 -0.82 0.00	38.11 -0.78 0.00	34.43 -0.85 0.00	33.81 -0.87 0.00	34.59 -0.92 0.00	35.95 -0.81 0.00	44.40 -0.49 0.00	50.95 -0.15 0.00	59.00 0.47 0.00	59.01 1.10 0.00	51.70 1.31 0.00	47.07 1.24 0.00	42.08 1.30 0.00
NEG NORTH_KES_CHATEGAY 23792	37.57 -0.61 0.00	35.43 -0.36 0.00	35.77 -0.11 0.00	34.97 0.00 0.00	34.45 0.07 0.00	32.68 -0.30 0.00	33.93 -0.31 0.00	35.26 -0.36 0.00	37.87 -0.62 0.00	38.63 -0.99 0.00	41.99 -1.12 0.00	39.39 -1.39 0.00	37.57 -1.32 0.00	33.97 -1.31 0.00	33.36 -1.32 0.00	34.13 -1.39 0.00	35.47 -1.29 0.00	43.77 -1.12 0.00	50.18 -0.92 0.00	58.12 -0.41 0.00	58.14 0.23 0.00	50.90 0.50 0.00	46.38 0.55 0.00	41.47 0.69 0.00
NEG NORTH___ALICE_FALLS 23915	38.41 0.23 0.00	36.15 0.36 0.00	36.48 0.61 0.00	35.67 0.70 0.00	35.10 0.72 0.00	33.37 0.40 0.00	34.62 0.38 0.00	36.00 0.39 0.00	38.72 0.23 0.00	39.50 -0.12 0.00	42.94 -0.17 0.00	40.25 -0.53 0.00	38.42 -0.47 0.00	34.71 -0.56 0.00	34.06 -0.62 0.00	34.84 -0.67 0.00	36.24 -0.51 0.00	44.85 -0.04 0.00	51.41 0.31 0.00	59.58 1.05 0.00	59.70 1.80 0.00	52.26 1.86 0.00	47.53 1.70 0.00	42.45 1.67 0.00
NEG NORTH___LWR_SARANAC 23913	38.41 0.23 0.00	36.15 0.36 0.00	36.48 0.61 0.00	35.67 0.70 0.00	35.10 0.72 0.00	33.37 0.40 0.00	34.62 0.38 0.00	36.00 0.39 0.00	38.72 0.23 0.00	39.50 -0.12 0.00	42.94 -0.17 0.00	40.25 -0.53 0.00	38.42 -0.47 0.00	34.71 -0.56 0.00	34.06 -0.62 0.00	34.84 -0.67 0.00	36.24 -0.51 0.00	44.85 -0.04 0.00	51.41 0.31 0.00	59.58 1.05 0.00	59.70 1.80 0.00	52.26 1.86 0.00	47.53 1.70 0.00	42.45 1.67 0.00
NEG NORTH___PLATTSBURG 23628	38.42 0.23 0.00	36.15 0.36 0.00	36.48 0.61 0.00	35.67 0.70 0.00	35.10 0.72 0.00	33.37 0.40 0.00	34.62 0.38 0.00	36.00 0.39 0.00	38.72 0.23 0.00	39.50 -0.12 0.00	42.89 -0.21 0.00	40.25 -0.53 0.00	38.43 -0.46 0.00	34.71 -0.57 0.00	34.06 -0.62 0.00	34.88 -0.64 0.00	36.24 -0.51 0.00	44.85 -0.04 0.00	51.41 0.31 0.00	59.58 1.05 0.00	59.70 1.80 0.00	52.26 1.87 0.00	47.53 1.70 0.00	42.45 1.67 0.00
NEG WEST_LEA_LOCKPORT 23791	37.54 -0.65 0.00	34.50 -1.29 0.00	34.76 -1.11 0.00	33.40 -1.57 0.00	32.79 -1.58 0.00	32.32 -0.66 0.00	33.90 -0.34 0.00	35.22 -0.39 0.00	38.02 -0.46 0.00	38.98 -0.63 0.00	41.34 -1.77 0.00	39.60 -1.18 0.00	38.50 -0.39 0.00	34.82 -0.46 0.00	34.06 -0.62 0.00	34.84 -0.67 0.00	35.51 -1.25 0.00	43.32 -1.57 0.00	48.80 -2.30 0.00	56.48 -2.05 0.00	55.94 -1.97 0.00	49.23 -1.16 0.00	45.97 0.14 0.00	41.80 1.02 0.00
NEG WEST___LANCASTER 23811	38.19 0.00 0.00	35.15 -0.64 0.00	35.34 -0.54 0.00	33.96 -1.01 0.00	33.41 -0.96 0.00	32.84 -0.13 0.00	34.38 0.14 0.00	35.90 0.28 0.00	38.72 0.23 0.00	39.82 0.20 0.00	42.38 -0.73 0.00	40.45 -0.33 0.00	39.32 0.43 0.00	35.56 0.28 0.00	34.78 0.10 0.00	35.51 0.00 0.00	36.32 -0.44 0.00	44.44 -0.45 0.00	50.18 -0.92 0.00	58.18 -0.35 0.00	57.50 -0.41 0.00	50.44 0.05 0.00	46.93 1.10 0.00	42.49 1.71 0.00
NEG_PENN_ALLEGHNY 23528	38.49 0.30 0.00	35.86 0.07 0.00	36.02 0.14 0.00	34.97 0.00 0.00	34.38 0.00 0.00	33.24 0.26 0.00	34.65 0.41 0.00	36.11 0.50 0.00	39.06 0.58 0.00	40.25 0.63 0.00	43.71 0.60 0.00	41.23 0.45 0.00	39.47 0.58 0.00	35.77 0.49 0.00	35.10 0.42 0.00	35.94 0.43 0.00	37.13 0.37 0.00	45.52 0.63 0.00	51.77 0.66 0.00	59.58 1.05 0.00	58.72 0.81 0.00	51.15 0.76 0.00	46.70 0.87 0.00	41.64 0.86 0.00
NEG___GEN_MONROE 24207	37.96 -0.23 0.00	35.18 -0.61 0.00	35.37 -0.50 0.00	34.17 -0.80 0.00	33.59 -0.79 0.00	32.88 -0.10 0.00	34.28 0.03 0.00	35.72 0.11 0.00	38.41 -0.08 0.00	39.42 -0.20 0.00	42.20 -0.91 0.00	40.17 -0.61 0.00	38.70 -0.19 0.00	35.03 -0.25 0.00	34.30 -0.38 0.00	35.12 -0.39 0.00	36.06 -0.70 0.00	44.13 -0.76 0.00	50.03 -1.07 0.00	57.77 -0.76 0.00	57.39 -0.52 0.00	50.29 -0.10 0.00	46.48 0.64 0.00	41.80 1.02 0.00



NEPA__ENERGY 23901	38.53 0.34 0.00	35.47 -0.32 0.00	35.62 -0.25 0.00	34.24 -0.73 0.00	33.65 -0.72 0.00	33.07 0.10 0.00	34.69 0.45 0.00	36.22 0.61 0.00	39.10 0.62 0.00	40.17 0.55 0.00	42.85 -0.26 0.00	40.86 0.08 0.00	39.71 0.82 0.00	35.91 0.63 0.00	35.17 0.49 0.00	35.91 0.39 0.00	36.76 0.00 0.00	44.98 0.09 0.00	50.90 -0.20 0.00	59.00 0.47 0.00	58.25 0.35 0.00	51.05 0.66 0.00	47.39 1.56 0.00	42.86 2.08 0.00
NEVERSink__HYD 23608	38.95 0.76 0.00	36.62 0.82 0.00	36.48 0.61 0.00	35.63 0.66 0.00	35.00 0.62 0.00	33.87 0.89 0.00	35.17 0.92 0.00	36.50 0.89 0.00	39.56 1.08 0.00	40.81 1.19 0.00	44.45 1.34 0.00	42.08 1.30 0.00	40.02 1.13 0.00	36.33 1.06 0.00	35.79 1.11 0.00	36.68 1.17 0.00	38.04 1.29 0.00	46.37 1.48 0.00	52.84 1.74 0.00	60.63 2.10 0.00	59.64 1.74 0.00	51.55 1.16 0.00	46.75 0.92 0.00	41.47 0.69 0.00
NEWKRMKL_115KV_TB1 55635	38.30 0.11 0.00	35.97 0.18 0.00	35.98 0.11 0.00	35.14 0.17 0.00	34.58 0.21 0.00	33.31 0.33 0.00	34.55 0.31 0.00	35.86 0.25 0.00	38.72 0.23 0.00	39.90 0.28 0.00	43.45 0.34 0.00	41.23 0.45 0.00	39.20 0.31 0.00	35.66 0.39 0.00	35.10 0.42 0.00	35.87 0.36 0.00	37.20 0.44 0.00	45.07 0.18 0.00	51.26 0.15 0.00	58.94 0.41 0.00	57.91 0.00 0.00	50.19 -0.20 0.00	45.51 -0.32 0.00	40.49 -0.29 0.00
NEWTON__FALLS_HYD 23847	37.12 -1.07 0.00	34.86 -0.93 0.00	35.01 -0.86 0.00	34.17 -0.80 0.00	33.55 -0.83 0.00	31.99 -0.99 0.00	32.94 -1.30 0.00	34.29 -1.32 0.00	36.91 -1.58 0.00	37.87 -1.74 0.00	41.21 -1.90 0.00	38.78 -2.00 0.00	36.95 -1.94 0.00	33.51 -1.76 0.00	32.91 -1.77 0.00	33.77 -1.74 0.00	34.99 -1.76 0.00	43.27 -1.62 0.00	49.72 -1.38 0.00	57.42 -1.11 0.00	56.75 -1.16 0.00	49.59 -0.81 0.00	44.96 -0.87 0.00	40.00 -0.77 0.00
NGRID_A1_DSASP 323792	37.54 -0.65 0.00	34.43 -1.36 0.00	34.73 -1.15 0.00	33.36 -1.61 0.00	33.00 -1.38 0.00	32.32 -0.66 0.00	33.46 -0.79 0.00	34.86 -0.75 0.00	37.64 -0.85 0.00	38.59 -1.03 0.00	41.77 -1.34 0.00	39.23 -1.55 0.00	38.19 -0.70 0.00	34.57 -0.71 0.00	33.85 -0.83 0.00	34.45 -1.06 0.00	35.18 -1.58 0.00	42.83 -2.06 0.00	48.14 -2.97 0.00	55.66 -2.87 0.00	55.13 -2.78 0.00	48.58 -1.81 0.00	45.42 -0.41 0.00	41.35 0.57 0.00
NGRID_A2_DSASP 323793	37.54 -0.65 0.00	34.43 -1.36 0.00	34.73 -1.15 0.00	33.36 -1.61 0.00	33.00 -1.38 0.00	32.32 -0.66 0.00	33.46 -0.79 0.00	34.86 -0.75 0.00	37.64 -0.85 0.00	38.59 -1.03 0.00	41.77 -1.34 0.00	39.23 -1.55 0.00	38.19 -0.70 0.00	34.57 -0.71 0.00	33.85 -0.83 0.00	34.45 -1.06 0.00	35.18 -1.58 0.00	42.83 -2.06 0.00	48.14 -2.97 0.00	55.66 -2.87 0.00	55.13 -2.78 0.00	48.58 -1.81 0.00	45.42 -0.41 0.00	41.35 0.57 0.00
NGRID_A4_DSASP 323807	37.54 -0.65 0.00	34.43 -1.36 0.00	34.73 -1.15 0.00	33.36 -1.61 0.00	33.00 -1.38 0.00	32.32 -0.66 0.00	33.46 -0.79 0.00	34.86 -0.75 0.00	37.64 -0.85 0.00	38.59 -1.03 0.00	41.77 -1.34 0.00	39.23 -1.55 0.00	38.19 -0.70 0.00	34.57 -0.71 0.00	33.85 -0.83 0.00	34.45 -1.06 0.00	35.18 -1.58 0.00	42.83 -2.06 0.00	48.14 -2.97 0.00	55.66 -2.87 0.00	55.13 -2.78 0.00	48.58 -1.81 0.00	45.42 -0.41 0.00	41.35 0.57 0.00
NIAGARA_115E_LBMP 323715	37.00 -1.18 0.00	34.00 -1.79 0.00	34.30 -1.58 0.00	32.91 -2.06 0.00	32.55 -1.82 0.00	31.89 -1.09 0.00	33.52 -0.72 0.00	34.79 -0.82 0.00	37.48 -1.00 0.00	38.43 -1.19 0.00	41.60 -1.51 0.00	39.07 -1.71 0.00	38.00 -0.89 0.00	34.40 -0.88 0.00	33.64 -1.04 0.00	34.27 -1.24 0.00	34.99 -1.76 0.00	42.65 -2.24 0.00	47.98 -3.12 0.00	55.48 -3.05 0.00	54.96 -2.95 0.00	48.43 -1.97 0.00	45.29 -0.55 0.00	41.39 0.61 0.00
NIAGARA_115W_LBMP 323714	37.50 -0.69 0.00	34.39 -1.40 0.00	34.69 -1.18 0.00	33.29 -1.68 0.00	32.93 -1.44 0.00	32.25 -0.73 0.00	33.35 -0.89 0.00	34.76 -0.86 0.00	37.52 -0.96 0.00	38.47 -1.15 0.00	41.64 -1.47 0.00	39.10 -1.67 0.00	38.03 -0.86 0.00	34.43 -0.85 0.00	33.71 -0.97 0.00	34.34 -1.17 0.00	35.07 -1.69 0.00	42.69 -2.20 0.00	47.98 -3.12 0.00	55.43 -3.10 0.00	54.89 -3.01 0.00	48.38 -2.02 0.00	45.24 -0.60 0.00	41.19 0.41 0.00
NIAGARA_230_LBMP 323716	37.34 -0.84 0.00	34.29 -1.50 0.00	34.55 -1.33 0.00	33.22 -1.75 0.00	32.83 -1.55 0.00	32.15 -0.82 0.00	33.66 -0.58 0.00	35.08 -0.53 0.00	37.87 -0.62 0.00	38.83 -0.79 0.00	42.03 -1.08 0.00	39.47 -1.31 0.00	38.35 -0.54 0.00	34.71 -0.57 0.00	34.02 -0.66 0.00	34.63 -0.89 0.00	35.40 -1.36 0.00	43.09 -1.80 0.00	48.55 -2.55 0.00	56.01 -2.52 0.00	55.48 -2.43 0.00	48.88 -1.51 0.00	45.65 -0.18 0.00	41.51 0.73 0.00
NIAGARA__115KV_198_GIBSON 55903	37.46 -0.73 0.00	34.40 -1.40 0.00	34.66 -1.22 0.00	33.29 -1.68 0.00	32.73 -1.65 0.00	32.25 -0.73 0.00	33.35 -0.89 0.00	34.83 -0.78 0.00	37.52 -0.96 0.00	38.47 -1.15 0.00	40.78 -2.33 0.00	39.11 -1.67 0.00	38.03 -0.86 0.00	34.43 -0.85 0.00	33.71 -0.97 0.00	34.45 -1.07 0.00	35.07 -1.69 0.00	42.69 -2.20 0.00	47.99 -3.12 0.00	55.49 -3.04 0.00	54.95 -2.95 0.00	48.38 -2.02 0.00	45.24 -0.60 0.00	41.43 0.65 0.00
NIAGARA____ 23760	37.34 -0.84 0.00	34.29 -1.50 0.00	34.55 -1.33 0.00	33.22 -1.75 0.00	32.83 -1.55 0.00	32.15 -0.82 0.00	33.66 -0.58 0.00	35.08 -0.53 0.00	37.87 -0.62 0.00	38.83 -0.79 0.00	42.03 -1.08 0.00	39.47 -1.31 0.00	38.35 -0.54 0.00	34.71 -0.57 0.00	34.02 -0.66 0.00	34.63 -0.89 0.00	35.40 -1.36 0.00	43.09 -1.80 0.00	48.55 -2.55 0.00	56.01 -2.52 0.00	55.48 -2.43 0.00	48.88 -1.51 0.00	45.65 -0.18 0.00	41.51 0.73 0.00
NINE_MILE_1 23575	37.50 -0.69 0.00	35.08 -0.72 0.00	35.16 -0.72 0.00	34.20 -0.77 0.00	33.62 -0.76 0.00	32.38 -0.59 0.00	33.69 -0.55 0.00	35.08 -0.53 0.00	37.87 -0.62 0.00	38.98 -0.64 0.00	42.42 -0.69 0.00	40.08 -0.69 0.00	38.27 -0.62 0.00	34.71 -0.57 0.00	34.09 -0.59 0.00	34.91 -0.60 0.00	36.10 -0.66 0.00	44.17 -0.72 0.00	50.28 -0.82 0.00	57.71 -0.82 0.00	57.04 -0.87 0.00	49.64 -0.75 0.00	45.29 -0.55 0.00	40.29 -0.49 0.00
NINE_MILE_2 23744	37.50 -0.69 0.00	35.04 -0.75 0.00	35.16 -0.72 0.00	34.20 -0.77 0.00	33.62 -0.76 0.00	32.38 -0.59 0.00	33.69 -0.55 0.00	35.08 -0.53 0.00	37.87 -0.62 0.00	38.98 -0.64 0.00	42.42 -0.69 0.00	40.04 -0.73 0.00	38.27 -0.62 0.00	34.68 -0.60 0.00	34.06 -0.62 0.00	34.91 -0.60 0.00	36.06 -0.70 0.00	44.17 -0.72 0.00	50.28 -0.82 0.00	57.71 -0.82 0.00	57.04 -0.87 0.00	49.64 -0.75 0.00	45.24 -0.60 0.00	40.29 -0.49 0.00
NM_CAPITAL__DRP 24208	38.34 0.15 0.00	36.04 0.25 0.00	36.05 0.18 0.00	35.21 0.24 0.00	34.62 0.24 0.00	33.37 0.40 0.00	34.62 0.38 0.00	35.93 0.32 0.00	38.75 0.27 0.00	39.94 0.32 0.00	43.54 0.43 0.00	41.31 0.53 0.00	39.24 0.35 0.00	35.73 0.46 0.00	35.17 0.49 0.00	35.98 0.46 0.00	37.27 0.51 0.00	45.20 0.31 0.00	51.36 0.26 0.00	59.06 0.53 0.00	57.96 0.06 0.00	50.29 -0.10 0.00	45.56 -0.28 0.00	40.53 -0.24 0.00



NM_CENTRAL___DRP 24181	38.11 -0.08 0.00	35.58 -0.21 0.00	35.70 -0.18 0.00	34.69 -0.28 0.00	34.07 -0.31 0.00	32.91 -0.07 0.00	34.24 0.00 0.00	35.72 0.11 0.00	38.60 0.12 0.00	39.78 0.16 0.00	43.15 0.04 0.00	40.90 0.12 0.00	39.08 0.19 0.00	35.42 0.14 0.00	34.75 0.07 0.00	35.62 0.11 0.00	36.79 0.04 0.00	45.07 0.18 0.00	51.26 0.15 0.00	58.88 0.35 0.00	58.14 0.23 0.00	50.59 0.20 0.00	46.11 0.28 0.00	41.02 0.24 0.00
NM_FRONTIER___DRP 24179	37.46 -0.73 0.00	34.40 -1.40 0.00	34.66 -1.22 0.00	33.29 -1.68 0.00	32.73 -1.65 0.00	32.25 -0.73 0.00	33.35 -0.89 0.00	34.83 -0.78 0.00	37.52 -0.96 0.00	38.47 -1.15 0.00	40.78 -2.33 0.00	39.11 -1.67 0.00	38.03 -0.86 0.00	34.43 -0.85 0.00	33.71 -0.97 0.00	34.45 -1.07 0.00	35.07 -1.69 0.00	42.69 -2.20 0.00	47.99 -3.12 0.00	55.49 -3.04 0.00	54.95 -2.95 0.00	48.38 -2.02 0.00	45.24 -0.60 0.00	41.43 0.65 0.00
NM_ST_REGIS___HYD 24053	37.50 -0.69 0.00	35.25 -0.54 0.00	35.48 -0.39 0.00	34.66 -0.31 0.00	34.07 -0.31 0.00	32.28 -0.69 0.00	33.35 -0.89 0.00	34.69 -0.93 0.00	37.37 -1.12 0.00	38.31 -1.31 0.00	41.69 -1.42 0.00	39.15 -1.63 0.00	37.37 -1.52 0.00	33.79 -1.48 0.00	33.19 -1.49 0.00	33.99 -1.53 0.00	35.25 -1.51 0.00	43.50 -1.39 0.00	49.88 -1.23 0.00	57.53 -1.00 0.00	57.39 -0.52 0.00	50.14 -0.25 0.00	45.56 -0.28 0.00	40.62 -0.16 0.00
NORTHPORT___1 23551	39.10 0.91 0.00	36.72 0.93 0.00	36.41 0.54 0.00	35.56 0.59 0.00	34.82 0.45 0.00	34.00 1.02 0.00	35.41 1.16 0.00	36.93 1.32 0.00	39.87 1.38 0.00	41.28 1.66 0.00	44.89 1.77 -0.01	42.70 1.92 -0.01	42.04 1.63 -1.52	40.48 1.66 -3.55	39.68 1.80 -3.19	38.71 1.88 -1.31	45.50 1.98 -6.76	52.57 2.07 -5.61	53.49 2.15 -0.24	60.64 2.10 -0.01	59.42 1.50 -0.01	51.88 1.46 -0.02	47.03 1.19 -0.01	41.23 0.45 0.00
NORTHPORT___2 23552	39.10 0.91 0.00	36.72 0.93 0.00	36.41 0.54 0.00	35.56 0.59 0.00	34.82 0.45 0.00	34.00 1.02 0.00	35.41 1.16 0.00	36.93 1.32 0.00	39.87 1.38 0.00	41.28 1.66 0.00	44.89 1.77 -0.01	42.70 1.92 -0.01	42.04 1.63 -1.52	40.48 1.66 -3.55	39.68 1.80 -3.19	38.71 1.88 -1.31	45.50 1.98 -6.76	52.57 2.07 -5.61	53.49 2.15 -0.24	60.64 2.10 -0.01	59.42 1.50 -0.01	51.88 1.46 -0.02	47.03 1.19 -0.01	41.23 0.45 0.00
NORTHPORT___3 23553	39.75 1.57 0.00	37.29 1.50 0.00	36.99 1.11 0.00	36.09 1.12 0.00	35.41 1.03 0.00	34.53 1.55 0.00	35.95 1.71 0.00	37.53 1.92 0.00	40.56 2.08 0.00	42.04 2.42 0.00	45.70 2.59 -0.01	43.40 2.61 -0.01	42.81 2.37 -1.54	41.18 2.29 -3.61	40.36 2.43 -3.25	39.37 2.52 -1.34	46.28 2.65 -6.88	53.56 2.96 -5.71	54.57 3.22 -0.24	62.11 3.57 -0.01	60.87 2.95 -0.01	52.84 2.42 -0.02	47.91 2.06 -0.01	42.04 1.27 0.00
NORTHPORT___4 23650	39.75 1.57 0.00	37.29 1.50 0.00	36.99 1.11 0.00	36.09 1.12 0.00	35.41 1.03 0.00	34.53 1.55 0.00	35.95 1.71 0.00	37.53 1.92 0.00	40.56 2.08 0.00	42.04 2.42 0.00	45.70 2.59 -0.01	43.40 2.61 -0.01	42.81 2.37 -1.54	41.18 2.29 -3.61	40.36 2.43 -3.25	39.37 2.52 -1.34	46.28 2.65 -6.88	53.56 2.96 -5.71	54.57 3.22 -0.24	62.11 3.57 -0.01	60.87 2.95 -0.01	52.84 2.42 -0.02	47.91 2.06 -0.01	42.04 1.27 0.00
NORTHPORT___IC 23718	39.10 0.92 0.00	36.72 0.93 0.00	36.52 0.65 0.00	35.81 0.84 0.00	35.17 0.79 0.00	34.00 1.02 0.00	35.41 1.16 0.00	36.93 1.32 0.00	39.87 1.39 0.00	41.28 1.66 0.00	45.14 2.03 -0.01	42.70 1.92 -0.01	42.04 1.63 -1.52	40.48 1.66 -3.55	39.68 1.80 -3.19	38.67 1.85 -1.31	45.51 1.98 -6.76	52.57 2.06 -5.61	53.54 2.20 -0.24	60.59 2.05 -0.01	59.42 1.51 -0.01	51.88 1.46 -0.02	47.04 1.19 -0.01	41.51 0.73 0.00
NORTH___COUNTRY_ESR 323785	37.57 -0.61 0.00	35.43 -0.36 0.00	35.77 -0.11 0.00	34.97 0.00 0.00	34.41 0.03 0.00	32.68 -0.30 0.00	33.93 -0.31 0.00	35.26 -0.36 0.00	37.87 -0.62 0.00	38.63 -0.99 0.00	41.95 -1.16 0.00	39.39 -1.39 0.00	37.57 -1.32 0.00	33.97 -1.30 0.00	33.36 -1.32 0.00	34.13 -1.39 0.00	35.47 -1.29 0.00	43.77 -1.12 0.00	50.19 -0.92 0.00	58.12 -0.41 0.00	58.14 0.23 0.00	50.90 0.50 0.00	46.39 0.55 0.00	41.47 0.69 0.00
NPX_GEN_1385_PROXY 323591	38.49 0.30 0.00	36.15 0.36 0.00	36.09 0.22 0.00	35.25 0.28 0.00	34.34 -0.03 0.00	33.73 0.76 0.00	35.10 0.86 0.00	36.46 0.85 0.00	39.29 0.81 0.00	40.37 0.75 0.00	44.20 1.08 -0.01	42.17 1.39 -0.01	41.19 0.78 -1.52	39.71 0.88 -3.55	38.84 0.97 -3.19	38.07 1.24 -1.31	45.15 1.29 -7.11	45.86 0.99 0.02	50.41 0.97 1.66	51.49 0.70 7.74	52.20 0.12 5.82	49.11 0.25 1.54	45.10 0.09 0.83	39.36 -0.53 0.89
NPX_GEN_CSC 323557	38.72 0.53 0.00	36.40 0.61 0.00	36.02 0.14 0.00	35.15 0.18 0.00	34.45 0.07 0.00	33.67 0.69 0.00	35.06 0.82 0.00	36.68 1.07 0.00	39.48 1.00 0.00	40.97 1.35 0.00	44.37 1.25 -0.01	42.25 1.47 -0.01	41.72 1.28 -1.54	40.30 1.41 -3.61	39.73 1.80 -3.25	38.55 1.70 -1.33	45.78 1.80 -7.22	52.28 2.02 -5.36	53.54 2.20 -0.24	60.76 2.22 -0.01	59.53 1.62 -0.01	51.78 1.36 -0.02	46.85 1.01 -0.01	40.90 0.12 0.00
NSINS_S__GLNS_FALLS 23858	39.87 1.68 0.00	37.47 1.68 0.00	37.45 1.58 0.00	36.54 1.57 0.00	35.92 1.55 0.00	34.59 1.62 0.00	35.89 1.64 0.00	37.39 1.78 0.00	40.41 1.92 0.00	41.76 2.14 0.00	45.52 2.41 0.00	42.98 2.20 0.00	40.80 1.91 0.00	36.97 1.69 0.00	36.31 1.63 0.00	37.11 1.60 0.00	38.60 1.84 0.00	47.13 2.24 0.00	53.71 2.61 0.00	62.16 3.63 0.00	61.15 3.24 0.00	52.81 2.42 0.00	47.76 1.93 0.00	42.45 1.67 0.00
NUCOR_STEEL___DRP 24197	38.53 0.34 0.00	35.97 0.18 0.00	36.09 0.22 0.00	35.00 0.03 0.00	34.41 0.03 0.00	33.27 0.30 0.00	34.65 0.41 0.00	36.18 0.57 0.00	39.10 0.62 0.00	40.29 0.67 0.00	43.67 0.56 0.00	41.35 0.57 0.00	39.51 0.62 0.00	35.73 0.46 0.00	35.06 0.38 0.00	35.98 0.46 0.00	37.16 0.40 0.00	45.61 0.72 0.00	51.92 0.82 0.00	59.70 1.17 0.00	58.95 1.04 0.00	51.30 0.91 0.00	46.80 0.96 0.00	41.63 0.86 0.00
NUMBER_THREE_WT_PWR 323818	37.77 -0.42 0.00	35.47 -0.32 0.00	35.55 -0.32 0.00	34.65 -0.32 0.00	34.07 -0.31 0.00	32.68 -0.30 0.00	33.49 -0.75 0.00	34.93 -0.68 0.00	37.56 -0.92 0.00	38.55 -1.07 0.00	41.90 -1.21 0.00	39.47 -1.31 0.00	37.64 -1.25 0.00	34.22 -1.06 0.00	33.61 -1.08 0.00	34.56 -0.96 0.00	35.80 -0.96 0.00	44.31 -0.58 0.00	50.95 -0.15 0.00	58.82 0.29 0.00	57.79 -0.12 0.00	50.60 0.20 0.00	45.88 0.05 0.00	40.74 -0.04 0.00
NYISO_LBMP_REFERENCE 24008	38.19 0.00 0.00	35.79 0.00 0.00	35.87 0.00 0.00	34.97 0.00 0.00	34.38 0.00 0.00	32.98 0.00 0.00	34.24 0.00 0.00	35.61 0.00 0.00	38.48 0.00 0.00	39.62 0.00 0.00	43.11 0.00 0.00	40.78 0.00 0.00	38.89 0.00 0.00	35.28 0.00 0.00	34.68 0.00 0.00	35.51 0.00 0.00	36.76 0.00 0.00	44.89 0.00 0.00	51.10 0.00 0.00	58.53 0.00 0.00	57.91 0.00 0.00	50.39 0.00 0.00	45.83 0.00 0.00	40.78 0.00 0.00



NYPA_BRENTWD____GT 24164	39.60 1.41 0.00	37.15 1.36 0.00	36.84 0.97 0.00	35.95 0.98 0.00	35.24 0.86 0.00	34.39 1.42 0.00	35.82 1.58 0.00	37.43 1.82 0.00	40.37 1.89 0.00	41.84 2.22 0.00	45.44 2.33 -0.01	43.23 2.45 -0.01	42.65 2.18 -1.58	41.12 2.15 -3.69	40.29 2.29 -3.32	39.26 2.38 -1.37	46.33 2.53 -7.04	53.52 2.78 -5.84	54.42 3.07 -0.25	61.81 3.28 -0.01	60.58 2.67 -0.01	52.74 2.32 -0.03	47.77 1.92 -0.01	41.80 1.02 0.00
NYPA_GOWANUS____GT5 24156	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
NYPA_GOWANUS____GT6 24157	56.44 1.72 -16.54	56.39 1.72 -18.88	56.35 1.29 -19.19	53.29 1.36 -16.96	55.20 1.38 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.82 2.54 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.24 2.40 -19.57	57.24 2.46 -20.09	56.32 3.44 -17.36	57.45 2.72 -17.97	60.62 2.92 -12.82	61.51 3.17 -7.24	98.77 3.57 -36.67	98.77 2.89 -37.97	60.62 2.27 -7.96	60.05 1.92 -12.29	56.62 1.27 -14.57
NYPA_HARLEM__RVR__GT1 24160	39.29 1.11 0.00	36.94 1.15 0.00	36.59 0.72 0.00	35.77 0.80 0.01	35.19 0.82 0.01	34.25 1.28 0.01	35.64 1.40 0.01	36.96 1.35 0.01	40.17 1.69 0.01	41.43 1.82 0.01	45.04 1.94 0.01	42.89 2.12 0.01	40.79 1.91 0.01	37.21 1.94 0.01	36.65 1.98 0.01	37.89 2.38 0.01	38.92 2.17 0.01	47.17 2.29 0.01	53.50 2.40 0.01	61.16 2.64 0.01	59.87 1.97 0.01	51.85 1.46 0.01	46.97 1.15 0.01	41.46 0.69 0.01
NYPA_HARLEM__RVR__GT2 24161	39.29 1.11 0.00	36.94 1.15 0.00	36.59 0.72 0.00	35.77 0.80 0.01	35.19 0.82 0.01	34.25 1.28 0.01	35.64 1.40 0.01	36.96 1.35 0.01	40.17 1.69 0.01	41.43 1.82 0.01	45.04 1.94 0.01	42.89 2.12 0.01	40.79 1.91 0.01	37.21 1.94 0.01	36.65 1.98 0.01	37.89 2.38 0.01	38.92 2.17 0.01	47.17 2.29 0.01	53.50 2.40 0.01	61.16 2.64 0.01	59.87 1.97 0.01	51.85 1.46 0.01	46.97 1.15 0.01	41.46 0.69 0.01
NYPA_KENT____GT 24152	49.22 1.57 -9.47	48.17 1.57 -10.81	48.04 1.18 -10.98	45.94 1.26 -9.71	46.75 1.24 -11.14	36.31 1.65 -1.68	47.23 1.78 -11.21	48.19 1.74 -10.83	50.04 2.08 -9.48	51.05 2.26 -9.18	53.06 2.41 -7.54	52.15 2.57 -8.80	51.21 2.33 -9.99	48.77 2.29 -11.20	48.51 2.32 -11.50	48.47 3.02 -9.94	49.62 2.57 -10.29	55.01 2.78 -7.34	58.26 3.01 -4.14	82.86 3.33 -20.99	82.37 2.72 -21.74	57.07 2.12 -4.56	54.61 1.74 -7.04	50.31 1.18 -8.34
NYPA_POUCH1____GT 24155	56.33 1.60 -16.54	56.32 1.65 -18.88	56.32 1.25 -19.19	53.26 1.33 -16.96	55.17 1.34 -19.45	37.63 1.71 -2.94	55.63 1.81 -19.58	56.32 1.78 -18.92	57.11 2.08 -16.55	57.91 2.26 -16.03	58.69 2.41 -13.16	58.68 2.53 -15.37	58.67 2.33 -17.44	57.14 2.29 -19.57	57.13 2.36 -20.09	56.68 3.80 -17.36	57.30 2.57 -17.97	60.49 2.78 -12.82	61.36 3.01 -7.24	98.53 3.33 -36.67	98.54 2.67 -37.97	60.47 2.12 -7.96	59.91 1.79 -12.29	56.41 1.06 -14.57
NYPA_VERNON____GT2 24162	42.00 1.41 -2.40	40.00 1.47 -2.74	39.70 1.04 -2.78	38.55 1.12 -2.46	38.33 1.13 -2.82	34.92 1.52 -0.43	38.72 1.64 -2.84	40.00 1.64 -2.74	42.85 1.96 -2.40	44.04 2.10 -2.33	47.30 2.28 -1.91	45.45 2.45 -2.23	43.64 2.22 -2.53	40.27 2.15 -2.84	39.82 2.22 -2.91	40.62 2.59 -2.52	41.83 2.46 -2.61	49.35 2.60 -1.86	54.96 2.81 -1.05	67.01 3.16 -5.32	65.90 2.49 -5.51	53.46 1.91 -1.15	49.18 1.56 -1.78	43.99 1.10 -2.11
NYPA_VERNON____GT3 24163	42.00 1.41 -2.40	40.00 1.47 -2.74	39.70 1.04 -2.78	38.55 1.12 -2.46	38.33 1.13 -2.82	34.92 1.52 -0.43	38.72 1.64 -2.84	40.00 1.64 -2.74	42.85 1.96 -2.40	44.04 2.10 -2.33	47.30 2.28 -1.91	45.45 2.45 -2.23	43.64 2.22 -2.53	40.27 2.15 -2.84	39.82 2.22 -2.91	40.62 2.59 -2.52	41.83 2.46 -2.61	49.35 2.60 -1.86	54.96 2.81 -1.05	67.01 3.16 -5.32	65.90 2.49 -5.51	53.46 1.91 -1.15	49.18 1.56 -1.78	43.99 1.10 -2.11
NYPA__ASTORIA_CC1 323568	39.56 1.37 0.00	37.19 1.39 0.00	36.88 1.00 0.00	36.06 1.09 0.00	35.44 1.07 0.00	34.46 1.49 0.00	35.85 1.61 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.31 2.20 0.00	43.14 2.36 0.00	41.03 2.14 0.00	37.39 2.12 0.00	36.83 2.15 0.00	38.07 2.56 0.00	39.15 2.39 0.00	47.45 2.56 0.00	53.81 2.71 0.00	61.51 2.98 0.00	60.28 2.38 0.00	52.20 1.81 0.00	47.30 1.47 0.00	41.80 1.02 0.00
NYPA__ASTORIA_CC2 323569	39.56 1.37 0.00	37.19 1.39 0.00	36.88 1.00 0.00	36.06 1.09 0.00	35.44 1.07 0.00	34.46 1.49 0.00	35.85 1.61 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.31 2.20 0.00	43.14 2.36 0.00	41.03 2.14 0.00	37.39 2.12 0.00	36.83 2.15 0.00	38.07 2.56 0.00	39.15 2.39 0.00	47.45 2.56 0.00	53.81 2.71 0.00	61.51 2.98 0.00	60.28 2.38 0.00	52.20 1.81 0.00	47.30 1.47 0.00	41.80 1.02 0.00
NYPA__HOLTSVILL 23794	39.22 1.03 0.00	36.86 1.07 0.00	36.52 0.65 0.00	35.63 0.66 0.00	34.92 0.55 0.00	34.10 1.12 0.00	35.51 1.27 0.00	37.11 1.50 0.00	39.98 1.50 0.00	41.48 1.86 0.00	44.97 1.85 -0.01	42.82 2.04 -0.01	42.22 1.79 -1.54	40.71 1.83 -3.60	40.00 2.08 -3.24	38.94 2.09 -1.33	45.83 2.21 -6.86	53.01 2.42 -5.70	54.00 2.66 -0.24	61.35 2.81 -0.01	60.06 2.14 -0.01	52.28 1.87 -0.02	47.35 1.51 -0.01	41.43 0.65 0.00
NYPA__HELLGATE_GT1 24158	39.29 1.11 0.00	36.94 1.15 0.00	36.59 0.72 0.00	35.77 0.80 0.01	35.19 0.82 0.01	34.25 1.28 0.01	35.64 1.40 0.01	36.96 1.35 0.01	40.17 1.69 0.01	41.43 1.82 0.01	45.04 1.94 0.01	42.89 2.12 0.01	40.79 1.91 0.01	37.21 1.94 0.01	36.65 1.98 0.01	37.89 2.38 0.01	38.92 2.17 0.01	47.17 2.29 0.01	53.50 2.40 0.01	61.16 2.64 0.01	59.87 1.97 0.01	51.85 1.46 0.01	46.97 1.15 0.01	41.46 0.69 0.01
NYPA__HELLGATE_GT2 24159	39.29 1.11 0.00	36.94 1.15 0.00	36.59 0.72 0.00	35.77 0.80 0.01	35.19 0.82 0.01	34.25 1.28 0.01	35.64 1.40 0.01	36.96 1.35 0.01	40.17 1.69 0.01	41.43 1.82 0.01	45.04 1.94 0.01	42.89 2.12 0.01	40.79 1.91 0.01	37.21 1.94 0.01	36.65 1.98 0.01	37.89 2.38 0.01	38.92 2.17 0.01	47.17 2.29 0.01	53.50 2.40 0.01	61.16 2.64 0.01	59.87 1.97 0.01	51.85 1.46 0.01	46.97 1.15 0.01	41.46 0.69 0.01
NYS_BARGE__HYD 23848	37.54 -0.65 0.00	34.50 -1.29 0.00	34.80 -1.08 0.00	33.40 -1.57 0.00	33.00 -1.38 0.00	32.35 -0.63 0.00	33.90 -0.34 0.00	35.26 -0.36 0.00	37.98 -0.50 0.00	38.98 -0.64 0.00	42.20 -0.91 0.00	39.59 -1.18 0.00	38.50 -0.39 0.00	34.82 -0.46 0.00	34.06 -0.62 0.00	34.70 -0.82 0.00	35.47 -1.29 0.00	43.32 -1.57 0.00	48.80 -2.30 0.00	56.42 -2.10 0.00	55.94 -1.97 0.00	49.24 -1.16 0.00	46.02 0.18 0.00	41.92 1.14 0.00



OAK ORCHARD___HYD 24046	37.92 -0.27 0.00	35.11 -0.68 0.00	35.30 -0.58 0.00	34.10 -0.87 0.00	33.62 -0.76 0.00	32.71 -0.26 0.00	34.14 -0.10 0.00	35.61 0.00 0.00	38.45 -0.04 0.00	39.54 -0.08 0.00	42.94 -0.17 0.00	40.37 -0.41 0.00	38.89 0.00 0.00	35.17 -0.11 0.00	34.47 -0.21 0.00	35.23 -0.29 0.00	36.24 -0.51 0.00	44.35 -0.54 0.00	50.28 -0.82 0.00	57.89 -0.64 0.00	57.50 -0.40 0.00	50.29 -0.10 0.00	46.43 0.59 0.00	41.64 0.86 0.00
OAKDALE___35_KV_LOAD 356122	38.41 0.23 0.00	35.83 0.04 0.00	35.95 0.07 0.00	34.90 -0.07 0.00	34.31 -0.07 0.00	33.21 0.23 0.00	34.58 0.34 0.00	36.04 0.43 0.00	38.98 0.50 0.00	40.13 0.52 0.00	43.41 0.30 0.00	41.14 0.37 0.00	39.40 0.51 0.00	35.70 0.42 0.00	35.03 0.35 0.00	35.91 0.39 0.00	37.05 0.29 0.00	45.38 0.49 0.00	51.61 0.51 0.00	59.41 0.88 0.00	58.54 0.64 0.00	51.00 0.60 0.00	46.57 0.73 0.00	41.55 0.77 0.00
OCC_CHEM___DRP 24175	37.54 -0.65 0.00	34.43 -1.36 0.00	34.73 -1.15 0.00	33.36 -1.61 0.00	32.79 -1.58 0.00	32.28 -0.69 0.00	33.45 -0.79 0.00	34.93 -0.68 0.00	37.64 -0.85 0.00	38.59 -1.03 0.00	40.91 -2.20 0.00	39.23 -1.55 0.00	38.15 -0.74 0.00	34.54 -0.74 0.00	33.81 -0.87 0.00	34.56 -0.96 0.00	35.18 -1.58 0.00	42.83 -2.06 0.00	48.14 -2.96 0.00	55.66 -2.87 0.00	55.13 -2.78 0.00	48.58 -1.81 0.00	45.38 -0.46 0.00	41.55 0.77 0.00
OH_GEN_PROXY 24063	37.34 -0.84 0.00	34.29 -1.50 0.00	34.55 -1.33 0.00	33.22 -1.75 0.00	32.83 -1.55 0.00	32.12 -0.86 0.00	33.66 -0.58 0.00	35.08 -0.53 0.00	37.91 -0.58 0.00	38.86 -0.75 0.00	42.03 -1.08 0.00	39.51 -1.26 0.00	38.38 -0.51 0.00	34.75 -0.53 0.00	34.02 -0.66 0.00	34.66 -0.85 0.00	35.81 -1.29 -0.34	42.84 -1.71 0.34	48.65 -2.45 0.00	56.19 -2.34 0.00	55.65 -2.26 0.00	48.93 -1.46 0.00	45.65 -0.18 0.00	41.51 0.73 0.00
OLIN_CORP_DRP 24177	37.08 -1.11 0.00	34.07 -1.72 0.00	34.37 -1.51 0.00	32.98 -1.99 0.00	32.42 -1.96 0.00	31.95 -1.02 0.00	33.56 -0.68 0.00	34.79 -0.82 0.00	37.56 -0.92 0.00	38.51 -1.11 0.00	40.82 -2.28 0.00	39.15 -1.63 0.00	38.07 -0.82 0.00	34.46 -0.81 0.00	33.71 -0.97 0.00	34.45 -1.07 0.00	35.07 -1.69 0.00	42.74 -2.15 0.00	48.09 -3.02 0.00	55.66 -2.87 0.00	55.13 -2.78 0.00	48.53 -1.86 0.00	45.38 -0.46 0.00	41.31 0.53 0.00
OLIN_CORP_DSASP 323712	37.54 -0.65 0.00	34.43 -1.36 0.00	34.73 -1.15 0.00	33.36 -1.61 0.00	33.00 -1.38 0.00	32.32 -0.66 0.00	33.46 -0.79 0.00	34.86 -0.75 0.00	37.64 -0.85 0.00	38.59 -1.03 0.00	41.77 -1.34 0.00	39.23 -1.55 0.00	38.19 -0.70 0.00	34.57 -0.71 0.00	33.85 -0.83 0.00	34.45 -1.06 0.00	35.18 -1.58 0.00	42.83 -2.06 0.00	48.14 -2.97 0.00	55.66 -2.87 0.00	55.13 -2.78 0.00	48.58 -1.81 0.00	45.42 -0.41 0.00	41.35 0.57 0.00
ONEIDA_HERK_LFGE 323681	38.42 0.23 0.00	36.04 0.25 0.00	36.13 0.25 0.00	35.22 0.25 0.00	34.62 0.24 0.00	33.27 0.30 0.00	34.31 0.07 0.00	35.79 0.18 0.00	38.60 0.12 0.00	39.66 0.04 0.00	43.15 0.04 0.00	40.74 -0.04 0.00	38.81 -0.08 0.00	35.21 -0.07 0.00	34.58 -0.10 0.00	35.48 -0.04 0.00	36.76 0.00 0.00	45.25 0.36 0.00	51.82 0.72 0.00	59.70 1.17 0.00	58.78 0.87 0.00	51.25 0.86 0.00	46.48 0.64 0.00	41.31 0.53 0.00
ONEIDA___115KV_TB4 55905	38.91 0.73 0.00	36.44 0.64 0.00	36.52 0.65 0.00	35.60 0.63 0.00	34.96 0.58 0.00	33.70 0.73 0.00	34.93 0.68 0.00	36.43 0.82 0.00	39.25 0.77 0.00	40.37 0.75 0.00	43.88 0.78 0.00	41.47 0.69 0.00	39.59 0.70 0.00	35.84 0.56 0.00	35.17 0.49 0.00	36.08 0.57 0.00	37.35 0.59 0.00	45.92 1.03 0.00	52.53 1.43 0.00	60.46 1.93 0.00	59.64 1.74 0.00	51.90 1.51 0.00	47.12 1.28 0.00	41.88 1.10 0.00
ONONDAGA_REF_OCCRA 23987	38.22 0.04 0.00	35.68 -0.11 0.00	35.77 -0.11 0.00	34.80 -0.17 0.00	34.17 -0.21 0.00	33.01 0.03 0.00	34.34 0.10 0.00	35.83 0.21 0.00	38.72 0.23 0.00	39.90 0.28 0.00	43.28 0.17 0.00	40.98 0.20 0.00	39.16 0.27 0.00	35.49 0.21 0.00	34.82 0.14 0.00	35.73 0.21 0.00	36.90 0.15 0.00	45.20 0.31 0.00	51.46 0.36 0.00	59.11 0.59 0.00	58.37 0.46 0.00	50.80 0.40 0.00	46.29 0.46 0.00	41.15 0.37 0.00
ONONDAGA___COGEN 23986	38.30 0.11 0.00	35.76 -0.04 0.00	35.87 0.00 0.00	34.86 -0.10 0.00	34.24 -0.14 0.00	33.04 0.07 0.00	34.41 0.17 0.00	35.90 0.28 0.00	38.79 0.31 0.00	40.01 0.40 0.00	43.45 0.34 0.00	41.10 0.33 0.00	39.28 0.39 0.00	35.59 0.32 0.00	34.92 0.24 0.00	35.80 0.28 0.00	36.98 0.22 0.00	45.29 0.40 0.00	51.56 0.46 0.00	59.23 0.70 0.00	58.49 0.58 0.00	50.90 0.50 0.00	46.38 0.55 0.00	41.23 0.45 0.00
ONTARIO___LFGE 23819	38.61 0.42 0.00	35.86 0.07 0.00	36.02 0.14 0.00	34.87 -0.10 0.00	34.31 -0.07 0.00	33.27 0.30 0.00	34.76 0.51 0.00	36.32 0.71 0.00	39.21 0.73 0.00	40.37 0.75 0.00	43.80 0.69 0.00	41.19 0.41 0.00	39.51 0.62 0.00	35.70 0.42 0.00	34.96 0.28 0.00	35.83 0.32 0.00	37.02 0.26 0.00	45.56 0.67 0.00	51.92 0.82 0.00	59.70 1.17 0.00	59.00 1.10 0.00	51.55 1.16 0.00	47.26 1.42 0.00	42.12 1.34 0.00
ORANGEVILLE_WT_PWR 323706	37.88 -0.31 0.00	34.90 -0.89 0.00	35.12 -0.76 0.00	33.78 -1.19 0.00	33.27 -1.10 0.00	32.45 -0.53 0.00	34.00 -0.24 0.00	35.51 -0.11 0.00	38.41 -0.08 0.00	39.42 -0.20 0.00	42.59 -0.52 0.00	40.00 -0.78 0.00	38.62 -0.27 0.00	34.89 -0.39 0.00	34.09 -0.59 0.00	34.88 -0.64 0.00	35.91 -0.84 0.00	44.13 -0.76 0.00	49.98 -1.12 0.00	57.83 -0.70 0.00	57.15 -0.75 0.00	50.14 -0.25 0.00	46.48 0.64 0.00	41.96 1.18 0.00
ORANGEVILLE___ESR 323794	37.88 -0.31 0.00	34.90 -0.89 0.00	35.12 -0.76 0.00	33.78 -1.19 0.00	33.27 -1.10 0.00	32.45 -0.53 0.00	34.00 -0.24 0.00	35.51 -0.11 0.00	38.41 -0.08 0.00	39.42 -0.20 0.00	42.59 -0.52 0.00	40.00 -0.78 0.00	38.62 -0.27 0.00	34.89 -0.39 0.00	34.09 -0.59 0.00	34.88 -0.64 0.00	35.91 -0.84 0.00	44.13 -0.76 0.00	49.98 -1.12 0.00	57.83 -0.70 0.00	57.15 -0.75 0.00	50.14 -0.25 0.00	46.48 0.64 0.00	41.96 1.18 0.00
OSWEGATCHIE___HYD 24044	37.12 -1.07 0.00	34.86 -0.93 0.00	35.01 -0.86 0.00	34.17 -0.80 0.00	33.55 -0.83 0.00	31.99 -0.99 0.00	32.94 -1.30 0.00	34.29 -1.32 0.00	36.90 -1.58 0.00	37.88 -1.74 0.00	41.17 -1.94 0.00	38.78 -2.00 0.00	36.95 -1.94 0.00	33.51 -1.76 0.00	32.91 -1.77 0.00	33.78 -1.74 0.00	34.99 -1.76 0.00	43.28 -1.61 0.00	49.73 -1.38 0.00	57.36 -1.17 0.00	56.75 -1.16 0.00	49.58 -0.81 0.00	44.96 -0.87 0.00	40.00 -0.78 0.00
OSWEGO___5 23606	37.69 -0.50 0.00	35.22 -0.57 0.00	35.34 -0.54 0.00	34.38 -0.59 0.00	33.79 -0.58 0.00	32.55 -0.43 0.00	33.87 -0.38 0.00	35.26 -0.36 0.00	38.14 -0.35 0.00	39.30 -0.32 0.00	42.76 -0.35 0.00	40.37 -0.41 0.00	38.58 -0.31 0.00	34.96 -0.32 0.00	34.33 -0.35 0.00	35.16 -0.36 0.00	36.35 -0.40 0.00	44.44 -0.45 0.00	50.54 -0.56 0.00	58.06 -0.47 0.00	57.33 -0.58 0.00	49.94 -0.45 0.00	45.52 -0.32 0.00	40.54 -0.24 0.00



OSWEGO___6 23613	37.69 -0.50 0.00	35.22 -0.57 0.00	35.34 -0.54 0.00	34.38 -0.59 0.00	33.79 -0.58 0.00	32.55 -0.43 0.00	33.87 -0.38 0.00	35.26 -0.36 0.00	38.14 -0.35 0.00	39.30 -0.32 0.00	42.76 -0.35 0.00	40.37 -0.41 0.00	38.58 -0.31 0.00	34.96 -0.32 0.00	34.33 -0.35 0.00	35.16 -0.36 0.00	36.35 -0.40 0.00	44.44 -0.45 0.00	50.54 -0.56 0.00	58.06 -0.47 0.00	57.33 -0.58 0.00	49.94 -0.45 0.00	45.52 -0.32 0.00	40.54 -0.24 0.00
OUTOKUMPU-AB___DRP 24206	38.07 -0.11 0.00	34.93 -0.86 0.00	35.23 -0.65 0.00	33.78 -1.19 0.00	33.24 -1.13 0.00	32.74 -0.23 0.00	34.10 -0.14 0.00	35.58 -0.04 0.00	38.33 -0.15 0.00	39.34 -0.28 0.00	41.77 -1.34 0.00	39.96 -0.82 0.00	38.93 0.04 0.00	35.21 -0.07 0.00	34.44 -0.24 0.00	35.16 -0.36 0.00	35.80 -0.96 0.00	43.77 -1.12 0.00	49.26 -1.84 0.00	57.01 -1.52 0.00	56.46 -1.45 0.00	49.69 -0.71 0.00	46.43 0.60 0.00	42.37 1.59 0.00
OXBOW___BTM 323836	37.77 -0.42 0.00	34.64 -1.15 0.00	34.94 -0.93 0.00	33.53 -1.44 0.00	33.17 -1.20 0.00	32.48 -0.49 0.00	33.73 -0.51 0.00	35.15 -0.46 0.00	37.91 -0.58 0.00	38.94 -0.67 0.00	42.16 -0.95 0.00	39.56 -1.22 0.00	38.54 -0.35 0.00	34.85 -0.42 0.00	34.09 -0.59 0.00	34.70 -0.82 0.00	35.44 -1.32 0.00	43.23 -1.66 0.00	48.65 -2.45 0.00	56.25 -2.28 0.00	55.77 -2.14 0.00	49.08 -1.31 0.00	45.88 0.05 0.00	41.80 1.02 0.00
OXBOW____ 24026	37.77 -0.42 0.00	34.65 -1.15 0.00	34.94 -0.93 0.00	33.54 -1.43 0.00	32.97 -1.41 0.00	32.48 -0.49 0.00	33.73 -0.51 0.00	35.18 -0.43 0.00	37.91 -0.58 0.00	38.90 -0.71 0.00	41.26 -1.85 0.00	39.55 -1.22 0.00	38.50 -0.39 0.00	34.85 -0.42 0.00	34.09 -0.59 0.00	34.80 -0.71 0.00	35.43 -1.32 0.00	43.23 -1.66 0.00	48.65 -2.45 0.00	56.31 -2.22 0.00	55.76 -2.14 0.00	49.08 -1.31 0.00	45.88 0.05 0.00	41.92 1.14 0.00
OXY_CHEM_DSASP 323612	37.54 -0.65 0.00	34.43 -1.36 0.00	34.73 -1.15 0.00	33.36 -1.61 0.00	32.79 -1.58 0.00	32.28 -0.69 0.00	33.45 -0.79 0.00	34.93 -0.68 0.00	37.64 -0.85 0.00	38.59 -1.03 0.00	40.91 -2.20 0.00	39.23 -1.55 0.00	38.15 -0.74 0.00	34.54 -0.74 0.00	33.81 -0.87 0.00	34.56 -0.96 0.00	35.18 -1.58 0.00	42.83 -2.06 0.00	48.14 -2.96 0.00	55.66 -2.87 0.00	55.13 -2.78 0.00	48.58 -1.81 0.00	45.38 -0.46 0.00	41.55 0.77 0.00
OZONE_PARK_ESR 323760	39.75 1.57 0.00	37.40 1.61 0.00	37.20 1.33 0.00	36.23 1.26 0.00	35.68 1.31 0.00	34.62 1.65 0.00	36.02 1.78 0.00	37.39 1.78 0.00	40.60 2.12 0.00	41.92 2.30 0.00	45.74 2.63 0.00	43.39 2.61 0.00	41.30 2.41 0.00	37.57 2.29 0.00	37.00 2.32 0.00	37.93 2.41 0.00	39.33 2.57 0.00	47.76 2.87 0.00	54.27 3.17 0.00	62.10 3.57 0.00	60.86 2.95 0.00	52.61 2.22 0.00	47.62 1.79 0.00	42.08 1.30 0.00
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	37.54 -0.65 0.00	34.43 -1.36 0.00	34.73 -1.15 0.00	33.36 -1.61 0.00	32.79 -1.58 0.00	32.28 -0.69 0.00	33.45 -0.79 0.00	34.93 -0.68 0.00	37.64 -0.85 0.00	38.59 -1.03 0.00	40.91 -2.20 0.00	39.23 -1.55 0.00	38.15 -0.74 0.00	34.54 -0.74 0.00	33.81 -0.87 0.00	34.56 -0.96 0.00	35.18 -1.58 0.00	42.83 -2.06 0.00	48.14 -2.96 0.00	55.66 -2.87 0.00	55.13 -2.78 0.00	48.58 -1.81 0.00	45.38 -0.46 0.00	41.55 0.77 0.00
PACKARD___115KV_DUPONT_184 80571	37.54 -0.65 0.00	34.43 -1.36 0.00	34.73 -1.15 0.00	33.36 -1.61 0.00	32.79 -1.58 0.00	32.28 -0.69 0.00	33.45 -0.79 0.00	34.93 -0.68 0.00	37.64 -0.85 0.00	38.59 -1.03 0.00	40.91 -2.20 0.00	39.23 -1.55 0.00	38.15 -0.74 0.00	34.54 -0.74 0.00	33.81 -0.87 0.00	34.56 -0.96 0.00	35.18 -1.58 0.00	42.83 -2.06 0.00	48.14 -2.96 0.00	55.66 -2.87 0.00	55.13 -2.78 0.00	48.58 -1.81 0.00	45.38 -0.46 0.00	41.55 0.77 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	39.37 1.18 0.00	37.04 1.25 0.00	36.88 1.00 0.00	35.91 0.94 0.00	35.34 0.96 0.00	34.29 1.32 0.00	35.68 1.44 0.00	37.00 1.39 0.00	40.18 1.69 0.00	41.48 1.86 0.00	45.22 2.11 0.00	42.94 2.16 0.00	40.84 1.94 0.00	37.22 1.94 0.00	36.66 1.98 0.00	37.57 2.06 0.00	38.96 2.21 0.00	47.22 2.33 0.00	53.61 2.50 0.00	61.16 2.63 0.00	59.99 2.08 0.00	51.96 1.56 0.00	47.03 1.19 0.00	41.59 0.82 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	39.56 1.37 0.00	37.22 1.43 0.00	37.06 1.18 0.00	36.09 1.12 0.00	35.55 1.17 0.00	34.49 1.52 0.00	35.89 1.64 0.00	37.18 1.57 0.00	40.41 1.92 0.00	41.64 2.02 0.00	45.39 2.28 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.32 2.05 0.00	36.76 2.08 0.00	37.68 2.17 0.00	39.07 2.32 0.00	47.36 2.47 0.00	53.76 2.66 0.00	61.46 2.93 0.00	60.28 2.37 0.00	52.16 1.76 0.00	47.26 1.42 0.00	41.76 0.98 0.00
PATROON___115KV_TB1 80586	38.38 0.19 0.00	36.08 0.29 0.00	36.09 0.22 0.00	35.21 0.24 0.00	34.65 0.28 0.00	33.37 0.40 0.00	34.65 0.41 0.00	35.93 0.32 0.00	38.79 0.31 0.00	40.01 0.40 0.00	43.58 0.47 0.00	41.31 0.53 0.00	39.32 0.43 0.00	35.73 0.46 0.00	35.20 0.52 0.00	35.98 0.46 0.00	37.31 0.55 0.00	45.20 0.31 0.00	51.41 0.31 0.00	59.11 0.59 0.00	58.08 0.17 0.00	50.39 0.00 0.00	45.65 -0.18 0.00	40.62 -0.16 0.00
PATTRSNVILLE___SOLAR 323815	39.33 1.14 0.00	36.90 1.11 0.00	36.95 1.08 0.00	36.02 1.05 0.00	35.41 1.03 0.00	34.10 1.12 0.00	35.37 1.13 0.00	36.75 1.14 0.00	39.64 1.15 0.00	40.77 1.15 0.00	44.31 1.21 0.00	41.88 1.10 0.00	39.90 1.01 0.00	36.23 0.95 0.00	35.58 0.90 0.00	36.44 0.92 0.00	37.86 1.10 0.00	46.37 1.48 0.00	52.89 1.79 0.00	61.04 2.52 0.00	59.99 2.08 0.00	52.01 1.61 0.00	47.16 1.33 0.00	41.88 1.10 0.00
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	38.26 0.08 0.00	35.18 -0.61 0.00	35.41 -0.47 0.00	33.99 -0.98 0.00	33.45 -0.93 0.00	32.91 -0.07 0.00	34.45 0.21 0.00	35.97 0.36 0.00	38.75 0.27 0.00	39.86 0.24 0.00	42.38 -0.73 0.00	40.49 -0.29 0.00	39.43 0.54 0.00	35.63 0.35 0.00	34.85 0.17 0.00	35.59 0.07 0.00	36.32 -0.44 0.00	44.49 -0.40 0.00	50.18 -0.92 0.00	58.18 -0.35 0.00	57.56 -0.35 0.00	50.49 0.10 0.00	47.07 1.24 0.00	42.65 1.88 0.00
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	39.45 1.26 0.00	37.08 1.29 0.00	36.95 1.08 0.00	36.05 1.08 0.00	35.44 1.07 0.00	34.36 1.38 0.00	35.68 1.44 0.00	37.04 1.42 0.00	40.18 1.69 0.00	41.48 1.86 0.00	45.35 2.24 0.00	42.86 2.08 0.00	40.76 1.87 0.00	37.04 1.76 0.00	36.55 1.87 0.00	37.40 1.88 0.00	38.82 2.06 0.00	47.18 2.29 0.00	53.66 2.56 0.00	61.46 2.93 0.00	60.40 2.49 0.00	52.21 1.81 0.00	47.35 1.51 0.00	41.84 1.06 0.00
PEEKSKILL____ 23653	39.10 0.91 0.00	36.76 0.97 0.00	36.55 0.68 0.00	35.71 0.74 0.00	35.10 0.72 0.00	34.06 1.09 0.00	35.37 1.13 0.00	36.72 1.11 0.00	39.83 1.35 0.00	41.08 1.47 0.00	44.75 1.64 0.00	42.49 1.71 0.00	40.41 1.52 0.00	36.76 1.48 0.00	36.24 1.56 0.00	37.15 1.63 0.00	38.52 1.76 0.00	46.78 1.89 0.00	53.15 2.05 0.00	60.87 2.34 0.00	59.70 1.80 0.00	51.70 1.31 0.00	46.84 1.01 0.00	41.47 0.69 0.00



PGE MADISON___WINDPWR 24146	40.90 2.71 0.00	38.33 2.54 0.00	38.46 2.58 0.00	37.38 2.41 0.00	36.61 2.23 0.00	35.42 2.44 0.00	36.60 2.36 0.00	38.39 2.78 0.00	41.29 2.81 0.00	42.27 2.65 0.00	45.95 2.84 0.00	43.18 2.41 0.00	41.18 2.29 0.00	37.07 1.80 0.00	36.28 1.60 0.00	37.40 1.88 0.00	38.67 1.91 0.00	48.35 3.46 0.00	55.70 4.60 0.00	64.62 6.09 0.00	63.70 5.79 0.00	55.38 4.99 0.00	50.28 4.44 0.00	44.61 3.83 0.00
PIERCEFIELD___HYD 23852	37.35 -0.84 0.00	35.08 -0.72 0.00	35.26 -0.61 0.00	34.45 -0.52 0.00	33.83 -0.55 0.00	32.05 -0.92 0.00	33.08 -1.16 0.00	34.40 -1.21 0.00	37.10 -1.39 0.00	38.03 -1.58 0.00	41.43 -1.68 0.00	38.94 -1.84 0.00	37.18 -1.71 0.00	33.65 -1.62 0.00	33.05 -1.63 0.00	33.85 -1.67 0.00	35.07 -1.69 0.00	43.27 -1.62 0.00	49.52 -1.58 0.00	57.12 -1.40 0.00	56.81 -1.10 0.00	49.64 -0.76 0.00	45.06 -0.78 0.00	40.17 -0.61 0.00
PINELAWN_CC_1 323563	39.64 1.45 0.00	37.19 1.39 0.00	36.88 1.00 0.00	35.98 1.01 0.00	35.27 0.89 0.00	34.42 1.45 0.00	35.85 1.61 0.00	37.43 1.82 0.00	40.41 1.92 0.00	41.84 2.22 0.00	45.49 2.37 -0.01	43.19 2.41 -0.01	42.81 2.18 -1.74	41.47 2.12 -4.07	40.60 2.25 -3.67	39.37 2.34 -1.51	47.02 2.50 -7.76	54.16 2.83 -6.44	54.50 3.12 -0.28	61.99 3.45 -0.01	60.75 2.84 -0.01	52.74 2.32 -0.03	47.81 1.97 -0.01	41.88 1.10 0.00
PJM_GEN_HTP_PROXY 323702	39.48 1.30 0.00	37.12 1.33 0.00	36.81 0.93 0.00	35.98 1.01 0.00	35.37 1.00 0.00	34.39 1.42 0.00	35.75 1.50 0.00	37.11 1.50 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.26 2.15 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.29 2.01 0.00	36.73 2.05 0.00	37.68 2.17 0.00	39.38 2.28 -0.34	47.01 2.47 0.34	53.81 2.71 0.00	61.63 3.10 0.00	60.34 2.43 0.00	52.20 1.81 0.00	47.26 1.42 0.00	41.84 1.06 0.00
PJM_GEN_KEystone 24065	38.30 0.11 0.00	35.72 -0.07 0.00	35.66 -0.21 0.00	34.65 -0.32 0.00	34.14 -0.24 0.00	33.17 0.20 0.00	34.62 0.38 0.00	36.00 0.39 0.00	38.98 0.50 0.00	40.13 0.51 0.00	43.58 0.48 0.00	41.23 0.45 0.00	39.51 0.62 0.00	35.84 0.56 0.00	35.27 0.59 0.00	36.05 0.53 0.00	37.58 0.48 -0.34	44.95 0.40 0.34	51.41 0.31 0.00	59.11 0.59 0.00	58.14 0.23 0.00	50.60 0.20 0.00	46.34 0.51 0.00	41.43 0.65 0.00
PJM_GEN_NEPTUNE_PROXY 323594	39.29 1.11 0.00	36.90 1.11 0.00	36.55 0.68 0.00	35.71 0.74 0.00	35.03 0.65 0.00	34.16 1.19 0.00	35.54 1.30 0.00	37.07 1.46 0.00	40.10 1.62 0.00	41.52 1.90 0.00	45.14 2.03 -0.01	42.86 2.08 -0.01	42.20 1.87 -1.44	40.47 1.83 -3.36	39.65 1.94 -3.02	38.78 2.02 -1.24	45.64 2.13 -6.75	52.20 2.33 -4.97	53.83 2.50 -0.23	61.29 2.75 -0.01	60.06 2.14 -0.01	52.13 1.71 -0.02	47.27 1.42 -0.01	41.55 0.77 0.00
PJM_GEN_VFT_PROXY 323633	39.37 1.19 0.00	37.01 1.22 0.00	36.70 0.83 0.00	35.88 0.91 0.00	35.27 0.89 0.00	34.30 1.32 0.00	35.65 1.40 0.00	37.00 1.39 0.00	40.18 1.69 0.00	41.48 1.86 0.00	45.14 2.03 0.00	42.94 2.16 0.00	40.83 1.94 0.00	37.18 1.90 0.00	36.66 1.98 0.00	37.43 1.92 0.00	39.31 2.21 -0.34	46.88 2.33 0.34	53.66 2.55 0.00	61.45 2.93 0.00	60.11 2.20 0.00	52.01 1.61 0.00	47.07 1.24 0.00	41.80 1.02 0.00
PLATSBURG_115KV_PMLD1 355749	38.07 -0.11 0.00	35.86 0.07 0.00	36.20 0.32 0.00	35.39 0.42 0.00	34.82 0.45 0.00	33.11 0.13 0.00	34.38 0.14 0.00	35.72 0.11 0.00	38.41 -0.08 0.00	39.18 -0.44 0.00	42.59 -0.52 0.00	39.92 -0.86 0.00	38.11 -0.78 0.00	34.43 -0.85 0.00	33.78 -0.90 0.00	34.59 -0.92 0.00	35.95 -0.81 0.00	44.40 -0.49 0.00	50.90 -0.20 0.00	58.94 0.41 0.00	59.01 1.10 0.00	51.65 1.26 0.00	47.03 1.19 0.00	42.04 1.26 0.00
PLEASANTVLY___LBMP 24000	38.99 0.80 0.00	36.65 0.86 0.00	36.56 0.68 0.00	35.70 0.73 0.00	35.13 0.76 0.00	33.96 0.99 0.00	35.27 1.03 0.00	36.61 1.00 0.00	39.68 1.19 0.00	40.93 1.31 0.00	44.70 1.60 0.00	42.37 1.59 0.00	40.29 1.40 0.00	36.65 1.38 0.00	36.10 1.42 0.00	36.97 1.46 0.00	38.34 1.58 0.00	46.55 1.66 0.00	52.89 1.79 0.00	60.58 2.05 0.00	59.41 1.51 0.00	51.50 1.11 0.00	46.66 0.83 0.00	41.27 0.49 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	39.33 1.15 0.00	36.94 1.15 0.00	36.84 0.97 0.00	35.91 0.94 0.00	35.34 0.96 0.00	34.26 1.29 0.00	35.58 1.34 0.00	36.93 1.32 0.00	40.06 1.58 0.00	41.32 1.70 0.00	45.14 2.03 0.00	42.78 2.00 0.00	40.68 1.79 0.00	37.04 1.76 0.00	36.48 1.80 0.00	37.36 1.85 0.00	38.78 2.02 0.00	47.09 2.20 0.00	53.51 2.40 0.00	61.22 2.69 0.00	60.05 2.14 0.00	51.96 1.56 0.00	47.07 1.24 0.00	41.59 0.82 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	39.33 1.15 0.00	36.94 1.15 0.00	36.84 0.97 0.00	35.91 0.94 0.00	35.34 0.96 0.00	34.26 1.29 0.00	35.58 1.34 0.00	36.93 1.32 0.00	40.06 1.58 0.00	41.32 1.70 0.00	45.14 2.03 0.00	42.78 2.00 0.00	40.68 1.79 0.00	37.04 1.76 0.00	36.48 1.80 0.00	37.36 1.85 0.00	38.78 2.02 0.00	47.09 2.20 0.00	53.51 2.40 0.00	61.22 2.69 0.00	60.05 2.14 0.00	51.96 1.56 0.00	47.07 1.24 0.00	41.59 0.82 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	39.14 0.95 0.00	36.79 1.00 0.00	36.70 0.83 0.00	35.81 0.84 0.00	35.24 0.86 0.00	34.10 1.12 0.00	35.41 1.16 0.00	36.72 1.10 0.00	39.83 1.35 0.00	41.08 1.47 0.00	44.92 1.81 0.00	42.49 1.71 0.00	40.37 1.48 0.00	36.72 1.45 0.00	36.21 1.53 0.00	37.04 1.53 0.00	38.45 1.69 0.00	46.78 1.89 0.00	53.15 2.04 0.00	60.87 2.34 0.00	59.82 1.91 0.00	51.75 1.36 0.00	46.98 1.15 0.00	41.59 0.82 0.00
POLETTI___ 23519	39.48 1.30 0.00	37.15 1.36 0.00	36.95 1.08 0.00	36.02 1.05 0.00	35.44 1.07 0.00	34.39 1.42 0.00	35.75 1.51 0.00	37.11 1.50 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.39 2.28 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.32 2.05 0.00	36.76 2.08 0.00	37.68 2.17 0.00	39.07 2.32 0.00	47.36 2.47 0.00	53.81 2.71 0.00	61.57 3.04 0.00	60.34 2.43 0.00	52.16 1.76 0.00	47.21 1.38 0.00	41.76 0.98 0.00
POMONA___ESR 323819	39.10 0.91 0.00	36.76 0.97 0.00	36.55 0.68 0.00	35.71 0.74 0.00	35.10 0.72 0.00	34.06 1.09 0.00	35.37 1.13 0.00	36.72 1.11 0.00	39.83 1.35 0.00	41.08 1.47 0.00	44.75 1.64 0.00	42.53 1.75 0.00	40.45 1.56 0.00	36.76 1.48 0.00	36.28 1.60 0.00	37.15 1.63 0.00	38.52 1.76 0.00	46.78 1.89 0.00	53.15 2.05 0.00	60.87 2.34 0.00	59.70 1.80 0.00	51.70 1.31 0.00	46.84 1.01 0.00	41.51 0.73 0.00
PORT_JEFF_3 23555	39.37 1.19 0.00	36.97 1.18 0.00	36.63 0.75 0.00	35.77 0.80 0.00	35.06 0.69 0.00	34.23 1.25 0.00	35.65 1.40 0.00	37.25 1.64 0.00	40.18 1.69 0.00	41.64 2.02 0.00	45.19 2.07 -0.01	42.99 2.20 -0.01	42.42 1.98 -1.55	40.90 2.01 -3.61	40.18 2.25 -3.25	39.13 2.27 -1.34	46.03 2.39 -6.88	53.30 2.69 -5.71	54.31 2.96 -0.24	61.64 3.10 -0.01	60.40 2.49 -0.01	52.53 2.12 -0.02	47.59 1.74 -0.01	41.59 0.82 0.00



PORT_JEFF_4 23616	39.37 1.19 0.00	36.97 1.18 0.00	36.63 0.75 0.00	35.77 0.80 0.00	35.06 0.69 0.00	34.23 1.25 0.00	35.65 1.40 0.00	37.25 1.64 0.00	40.18 1.69 0.00	41.64 2.02 0.00	45.19 2.07 -0.01	42.99 2.20 -0.01	42.42 1.98 -1.55	40.90 2.01 -3.61	40.18 2.25 -3.25	39.13 2.27 -1.34	46.03 2.39 -6.88	53.30 2.69 -5.71	54.31 2.96 -0.24	61.64 3.10 -0.01	60.40 2.49 -0.01	52.53 2.12 -0.02	47.59 1.74 -0.01	41.59 0.82 0.00
PORT_JEFF_IC 23713	39.41 1.22 0.00	37.01 1.22 0.00	36.77 0.90 0.00	36.12 1.15 0.00	35.34 0.96 0.00	34.23 1.25 0.00	35.65 1.40 0.00	37.25 1.64 0.00	40.22 1.73 0.00	41.68 2.06 0.00	45.45 2.33 -0.01	43.03 2.24 -0.01	42.47 2.02 -1.55	40.98 2.08 -3.63	40.20 2.25 -3.27	39.13 2.27 -1.34	46.13 2.46 -6.91	53.37 2.74 -5.74	54.42 3.07 -0.25	61.70 3.16 -0.01	60.46 2.55 -0.01	52.59 2.17 -0.03	47.59 1.74 -0.01	41.96 1.18 0.00
PPL_PILGRIM_ST_GT1 24216	39.60 1.41 0.00	37.15 1.36 0.00	36.84 0.97 0.00	35.95 0.98 0.00	35.24 0.86 0.00	34.39 1.42 0.00	35.82 1.58 0.00	37.43 1.82 0.00	40.37 1.89 0.00	41.84 2.22 0.00	45.44 2.33 -0.01	43.23 2.45 -0.01	42.65 2.18 -1.58	41.12 2.15 -3.69	40.29 2.29 -3.32	39.26 2.38 -1.37	46.33 2.53 -7.04	53.52 2.78 -5.84	54.42 3.07 -0.25	61.81 3.28 -0.01	60.58 2.67 -0.01	52.74 2.32 -0.03	47.77 1.92 -0.01	41.80 1.02 0.00
PPL_PILGRIM_ST_GT2 24217	39.60 1.41 0.00	37.15 1.36 0.00	36.84 0.97 0.00	35.95 0.98 0.00	35.24 0.86 0.00	34.39 1.42 0.00	35.82 1.58 0.00	37.43 1.82 0.00	40.37 1.89 0.00	41.84 2.22 0.00	45.44 2.33 -0.01	43.23 2.45 -0.01	42.65 2.18 -1.58	41.12 2.15 -3.69	40.29 2.29 -3.32	39.26 2.38 -1.37	46.33 2.53 -7.04	53.52 2.78 -5.84	54.42 3.07 -0.25	61.81 3.28 -0.01	60.58 2.67 -0.01	52.74 2.32 -0.03	47.77 1.92 -0.01	41.80 1.02 0.00
PPL_SHRM_GT3 24213	38.76 0.57 0.00	36.44 0.64 0.00	36.06 0.18 0.00	35.18 0.21 0.00	34.48 0.10 0.00	33.70 0.72 0.00	35.10 0.86 0.00	36.72 1.11 0.00	39.52 1.04 0.00	41.00 1.39 0.00	44.37 1.25 -0.01	42.25 1.47 -0.01	41.72 1.28 -1.55	40.30 1.41 -3.62	39.77 1.84 -3.25	38.59 1.74 -1.34	45.49 1.84 -6.89	52.63 2.02 -5.72	53.59 2.25 -0.24	60.88 2.34 -0.01	59.60 1.68 -0.01	51.83 1.41 -0.02	46.90 1.06 -0.01	40.94 0.16 0.00
PPL_SHRM_GT4 24214	38.76 0.57 0.00	36.44 0.64 0.00	36.06 0.18 0.00	35.18 0.21 0.00	34.48 0.10 0.00	33.70 0.72 0.00	35.10 0.86 0.00	36.72 1.11 0.00	39.52 1.04 0.00	41.00 1.39 0.00	44.37 1.25 -0.01	42.25 1.47 -0.01	41.72 1.28 -1.55	40.30 1.41 -3.62	39.77 1.84 -3.25	38.59 1.74 -1.34	45.49 1.84 -6.89	52.63 2.02 -5.72	53.59 2.25 -0.24	60.88 2.34 -0.01	59.60 1.68 -0.01	51.83 1.41 -0.02	46.90 1.06 -0.01	40.94 0.16 0.00
PROJECT___ORANGE 1 24174	38.11 -0.08 0.00	35.61 -0.18 0.00	35.70 -0.18 0.00	34.73 -0.24 0.00	34.10 -0.28 0.00	32.94 -0.03 0.00	34.28 0.03 0.00	35.72 0.11 0.00	38.64 0.15 0.00	39.82 0.20 0.00	43.20 0.09 0.00	40.90 0.12 0.00	39.12 0.23 0.00	35.45 0.18 0.00	34.78 0.10 0.00	35.66 0.14 0.00	36.83 0.07 0.00	45.07 0.18 0.00	51.31 0.20 0.00	58.94 0.41 0.00	58.14 0.23 0.00	50.65 0.25 0.00	46.16 0.32 0.00	41.06 0.29 0.00
PROJECT___ORANGE 2 24166	38.11 -0.08 0.00	35.61 -0.18 0.00	35.70 -0.18 0.00	34.73 -0.24 0.00	34.10 -0.28 0.00	32.94 -0.03 0.00	34.28 0.03 0.00	35.72 0.11 0.00	38.64 0.15 0.00	39.82 0.20 0.00	43.20 0.09 0.00	40.90 0.12 0.00	39.12 0.23 0.00	35.45 0.18 0.00	34.78 0.10 0.00	35.66 0.14 0.00	36.83 0.07 0.00	45.07 0.18 0.00	51.31 0.20 0.00	58.94 0.41 0.00	58.14 0.23 0.00	50.65 0.25 0.00	46.16 0.32 0.00	41.06 0.29 0.00
PUCKETT___SOLAR 323809	39.02 0.84 0.00	36.44 0.64 0.00	36.55 0.68 0.00	35.53 0.56 0.00	34.92 0.55 0.00	33.77 0.79 0.00	35.13 0.89 0.00	36.68 1.07 0.00	39.60 1.12 0.00	40.73 1.11 0.00	44.23 1.12 0.00	41.67 0.90 0.00	39.82 0.93 0.00	36.02 0.74 0.00	35.31 0.62 0.00	36.22 0.71 0.00	37.49 0.73 0.00	46.10 1.21 0.00	52.64 1.53 0.00	60.70 2.17 0.00	59.81 1.91 0.00	52.05 1.66 0.00	47.48 1.65 0.00	42.29 1.51 0.00
PYRITES___HYD 24023	38.26 0.08 0.00	35.97 0.18 0.00	36.16 0.29 0.00	35.28 0.31 0.00	34.65 0.28 0.00	32.84 -0.13 0.00	33.83 -0.41 0.00	35.18 -0.43 0.00	37.87 -0.62 0.00	38.79 -0.83 0.00	42.20 -0.91 0.00	39.68 -1.10 0.00	37.88 -1.01 0.00	34.22 -1.06 0.00	33.61 -1.08 0.00	34.45 -1.07 0.00	35.73 -1.03 0.00	44.17 -0.72 0.00	50.75 -0.36 0.00	58.59 0.06 0.00	58.31 0.41 0.00	50.90 0.50 0.00	46.20 0.37 0.00	41.15 0.37 0.00
QUAKERRD_115KV_BK1 80622	37.19 -0.99 0.00	34.54 -1.25 0.00	34.69 -1.18 0.00	33.54 -1.43 0.00	32.97 -1.41 0.00	32.08 -0.89 0.00	33.49 -0.75 0.00	34.93 -0.68 0.00	37.71 -0.77 0.00	38.83 -0.79 0.00	41.77 -1.34 0.00	39.72 -1.06 0.00	38.15 -0.74 0.00	34.50 -0.78 0.00	33.85 -0.83 0.00	34.66 -0.85 0.00	35.65 -1.10 0.00	43.63 -1.26 0.00	49.52 -1.58 0.00	56.95 -1.58 0.00	56.52 -1.39 0.00	49.39 -1.01 0.00	45.42 -0.41 0.00	40.66 -0.12 0.00
QUENSBRY_115KV_TB8 356137	39.90 1.72 0.00	37.51 1.72 0.00	37.49 1.61 0.00	36.54 1.57 0.00	35.96 1.58 0.00	34.62 1.65 0.00	35.92 1.68 0.00	37.43 1.82 0.00	40.49 2.00 0.00	41.84 2.22 0.00	45.61 2.50 0.00	43.02 2.24 0.00	40.84 1.94 0.00	37.00 1.73 0.00	36.35 1.66 0.00	37.18 1.67 0.00	38.63 1.87 0.00	47.18 2.29 0.00	53.76 2.66 0.00	62.33 3.80 0.00	61.32 3.42 0.00	52.91 2.52 0.00	47.85 2.02 0.00	42.53 1.75 0.00
RAMAPO___LBMP 323565	38.99 0.80 0.00	36.65 0.86 0.00	36.52 0.65 0.00	35.63 0.66 0.00	35.06 0.69 0.00	33.93 0.96 0.00	35.23 0.99 0.00	36.61 1.00 0.00	39.68 1.19 0.00	40.93 1.31 0.00	44.70 1.60 0.00	42.33 1.55 0.00	40.29 1.40 0.00	36.65 1.38 0.00	36.10 1.42 0.00	36.97 1.46 0.00	38.37 1.62 0.00	46.60 1.71 0.00	52.94 1.84 0.00	60.64 2.11 0.00	59.47 1.56 0.00	51.50 1.11 0.00	46.66 0.83 0.00	41.31 0.53 0.00
RANKINE____ 23646	38.26 0.08 0.00	35.11 -0.68 0.00	35.37 -0.50 0.00	33.96 -1.01 0.00	33.38 -1.00 0.00	32.88 -0.10 0.00	34.41 0.17 0.00	35.90 0.28 0.00	38.72 0.23 0.00	39.78 0.16 0.00	42.25 -0.86 0.00	40.41 -0.37 0.00	39.40 0.51 0.00	35.59 0.32 0.00	34.82 0.14 0.00	35.55 0.04 0.00	36.21 -0.55 0.00	44.31 -0.58 0.00	49.93 -1.18 0.00	57.83 -0.70 0.00	57.21 -0.69 0.00	50.29 -0.10 0.00	46.98 1.15 0.00	42.65 1.88 0.00
RAVENSWOOD_GT2_1 24244	39.52 1.34 0.00	37.15 1.36 0.00	36.99 1.11 0.00	36.05 1.08 0.00	35.48 1.10 0.00	34.43 1.45 0.00	35.78 1.54 0.00	37.14 1.53 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.44 2.33 0.00	43.10 2.32 0.00	40.99 2.10 0.00	37.32 2.05 0.00	36.76 2.08 0.00	37.68 2.17 0.00	39.07 2.32 0.00	47.40 2.51 0.00	53.86 2.76 0.00	61.57 3.04 0.00	60.34 2.43 0.00	52.21 1.81 0.00	47.30 1.47 0.00	41.80 1.02 0.00



RAVENSWOOD_GT2_2 24245	39.52 1.34 0.00	37.15 1.36 0.00	36.99 1.11 0.00	36.05 1.08 0.00	35.48 1.10 0.00	34.43 1.45 0.00	35.78 1.54 0.00	37.14 1.53 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.44 2.33 0.00	43.10 2.32 0.00	40.99 2.10 0.00	37.32 2.05 0.00	36.76 2.08 0.00	37.68 2.17 0.00	39.07 2.32 0.00	47.40 2.51 0.00	53.86 2.76 0.00	61.57 3.04 0.00	60.34 2.43 0.00	52.21 1.81 0.00	47.30 1.47 0.00	41.80 1.02 0.00
RAVENSWOOD_GT2_3 24246	39.52 1.34 0.00	37.15 1.36 0.00	36.99 1.11 0.00	36.05 1.08 0.00	35.48 1.10 0.00	34.43 1.45 0.00	35.78 1.54 0.00	37.14 1.53 0.00	40.33 1.85 0.00	41.64 2.02 0.00	45.44 2.33 0.00	43.10 2.32 0.00	40.99 2.10 0.00	37.32 2.05 0.00	36.80 2.12 0.00	37.68 2.17 0.00	39.07 2.32 0.00	47.40 2.51 0.00	53.86 2.76 0.00	61.63 3.10 0.00	60.40 2.49 0.00	52.26 1.86 0.00	47.30 1.47 0.00	41.80 1.02 0.00
RAVENSWOOD_GT2_4 24247	39.52 1.34 0.00	37.15 1.36 0.00	36.99 1.11 0.00	36.05 1.08 0.00	35.48 1.10 0.00	34.43 1.45 0.00	35.78 1.54 0.00	37.14 1.53 0.00	40.33 1.85 0.00	41.64 2.02 0.00	45.44 2.33 0.00	43.10 2.32 0.00	40.99 2.10 0.00	37.32 2.05 0.00	36.80 2.12 0.00	37.68 2.17 0.00	39.07 2.32 0.00	47.40 2.51 0.00	53.86 2.76 0.00	61.63 3.10 0.00	60.40 2.49 0.00	52.26 1.86 0.00	47.30 1.47 0.00	41.80 1.02 0.00
RAVENSWOOD_GT3_1 24248	39.52 1.34 0.00	37.15 1.36 0.00	36.99 1.11 0.00	36.05 1.08 0.00	35.48 1.10 0.00	34.43 1.45 0.00	35.78 1.54 0.00	37.14 1.53 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.44 2.33 0.00	43.10 2.32 0.00	40.99 2.10 0.00	37.32 2.05 0.00	36.76 2.08 0.00	37.68 2.17 0.00	39.07 2.32 0.00	47.40 2.51 0.00	53.86 2.76 0.00	61.57 3.04 0.00	60.34 2.43 0.00	52.21 1.81 0.00	47.30 1.47 0.00	41.80 1.02 0.00
RAVENSWOOD_GT3_2 24249	39.52 1.34 0.00	37.15 1.36 0.00	36.99 1.11 0.00	36.05 1.08 0.00	35.48 1.10 0.00	34.43 1.45 0.00	35.78 1.54 0.00	37.14 1.53 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.44 2.33 0.00	43.10 2.32 0.00	40.99 2.10 0.00	37.32 2.05 0.00	36.76 2.08 0.00	37.68 2.17 0.00	39.07 2.32 0.00	47.40 2.51 0.00	53.86 2.76 0.00	61.57 3.04 0.00	60.34 2.43 0.00	52.21 1.81 0.00	47.30 1.47 0.00	41.80 1.02 0.00
RAVENSWOOD_GT3_3 24250	39.56 1.37 0.00	37.19 1.40 0.00	37.02 1.15 0.00	36.09 1.12 0.00	35.51 1.13 0.00	34.46 1.48 0.00	35.82 1.58 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.48 2.37 0.00	43.14 2.37 0.00	41.03 2.14 0.00	37.36 2.08 0.00	36.83 2.15 0.00	37.72 2.20 0.00	39.11 2.35 0.00	47.45 2.56 0.00	53.91 2.81 0.00	61.69 3.16 0.00	60.45 2.55 0.00	52.31 1.91 0.00	47.35 1.51 0.00	41.84 1.06 0.00
RAVENSWOOD_GT3_4 24251	39.56 1.37 0.00	37.19 1.40 0.00	37.02 1.15 0.00	36.09 1.12 0.00	35.51 1.13 0.00	34.46 1.48 0.00	35.82 1.58 0.00	37.18 1.57 0.00	40.37 1.89 0.00	41.68 2.06 0.00	45.48 2.37 0.00	43.14 2.37 0.00	41.03 2.14 0.00	37.36 2.08 0.00	36.83 2.15 0.00	37.72 2.20 0.00	39.11 2.35 0.00	47.45 2.56 0.00	53.91 2.81 0.00	61.69 3.16 0.00	60.45 2.55 0.00	52.31 1.91 0.00	47.35 1.51 0.00	41.84 1.06 0.00
RAVENSWOOD_GT_1 23729	42.00 1.41 -2.40	40.00 1.47 -2.74	39.88 1.22 -2.78	38.58 1.15 -2.46	38.40 1.20 -2.82	34.92 1.52 -0.43	38.72 1.64 -2.84	39.99 1.64 -2.74	42.85 1.96 -2.40	44.04 2.10 -2.33	47.43 2.41 -1.91	45.45 2.45 -2.23	43.64 2.22 -2.53	40.30 2.19 -2.84	39.81 2.22 -2.91	40.31 2.27 -2.52	41.79 2.43 -2.61	49.40 2.65 -1.86	55.02 2.86 -1.05	66.95 3.10 -5.32	65.90 2.49 -5.51	53.46 1.91 -1.15	49.13 1.51 -1.78	43.99 1.10 -2.11
RAVENSWOOD_GT_10 24258	39.52 1.34 0.00	37.15 1.36 0.00	36.99 1.11 0.00	36.05 1.08 0.00	35.48 1.10 0.00	34.43 1.45 0.00	35.78 1.54 0.00	37.14 1.53 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.44 2.33 0.00	43.10 2.32 0.00	40.99 2.10 0.00	37.32 2.05 0.00	36.76 2.08 0.00	37.68 2.17 0.00	39.07 2.32 0.00	47.40 2.51 0.00	53.86 2.76 0.00	61.57 3.04 0.00	60.34 2.43 0.00	52.21 1.81 0.00	47.30 1.47 0.00	41.80 1.02 0.00
RAVENSWOOD_GT_11 24259	39.52 1.34 0.00	37.15 1.36 0.00	36.99 1.11 0.00	36.05 1.08 0.00	35.48 1.10 0.00	34.43 1.45 0.00	35.78 1.54 0.00	37.14 1.53 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.44 2.33 0.00	43.10 2.32 0.00	40.99 2.10 0.00	37.32 2.05 0.00	36.76 2.08 0.00	37.68 2.17 0.00	39.07 2.32 0.00	47.40 2.51 0.00	53.86 2.76 0.00	61.57 3.04 0.00	60.34 2.43 0.00	52.21 1.81 0.00	47.30 1.47 0.00	41.80 1.02 0.00
RAVENSWOOD_GT_4 24252	41.31 1.30 -1.83	39.24 1.36 -2.08	39.11 1.11 -2.12	37.89 1.05 -1.87	37.62 1.10 -2.15	34.75 1.45 -0.32	37.91 1.51 -2.16	39.23 1.53 -2.09	42.12 1.81 -1.83	43.37 1.98 -1.77	46.89 2.33 -1.45	44.76 2.28 -1.70	42.88 2.06 -1.93	39.48 2.05 -2.16	38.98 2.08 -2.22	39.56 2.13 -1.92	41.02 2.28 -1.98	48.82 2.51 -1.42	54.61 2.71 -0.80	65.62 3.04 -4.05	64.53 2.43 -4.19	53.09 1.81 -0.88	48.61 1.42 -1.36	43.41 1.02 -1.61
RAVENSWOOD_GT_5 24254	41.31 1.30 -1.83	39.24 1.36 -2.08	39.11 1.11 -2.12	37.89 1.05 -1.87	37.62 1.10 -2.15	34.75 1.45 -0.32	37.91 1.51 -2.16	39.23 1.53 -2.09	42.12 1.81 -1.83	43.37 1.98 -1.77	46.89 2.33 -1.45	44.76 2.28 -1.70	42.88 2.06 -1.93	39.48 2.05 -2.16	38.98 2.08 -2.22	39.56 2.13 -1.92	41.02 2.28 -1.98	48.82 2.51 -1.42	54.61 2.71 -0.80	65.62 3.04 -4.05	64.53 2.43 -4.19	53.09 1.81 -0.88	48.61 1.42 -1.36	43.41 1.02 -1.61
RAVENSWOOD_GT_6 24253	41.31 1.30 -1.83	39.24 1.36 -2.08	39.11 1.11 -2.12	37.89 1.05 -1.87	37.62 1.10 -2.15	34.75 1.45 -0.32	37.91 1.51 -2.16	39.23 1.53 -2.09	42.12 1.81 -1.83	43.37 1.98 -1.77	46.89 2.33 -1.45	44.76 2.28 -1.70	42.88 2.06 -1.93	39.48 2.05 -2.16	38.98 2.08 -2.22	39.56 2.13 -1.92	41.02 2.28 -1.98	48.82 2.51 -1.42	54.61 2.71 -0.80	65.62 3.04 -4.05	64.53 2.43 -4.19	53.09 1.81 -0.88	48.61 1.42 -1.36	43.41 1.02 -1.61
RAVENSWOOD_GT_7 24255	41.31 1.30 -1.83	39.24 1.36 -2.08	39.11 1.11 -2.12	37.89 1.05 -1.87	37.62 1.10 -2.15	34.75 1.45 -0.32	37.91 1.51 -2.16	39.23 1.53 -2.09	42.12 1.81 -1.83	43.37 1.98 -1.77	46.89 2.33 -1.45	44.76 2.28 -1.70	42.88 2.06 -1.93	39.48 2.05 -2.16	38.98 2.08 -2.22	39.56 2.13 -1.92	41.02 2.28 -1.98	48.82 2.51 -1.42	54.61 2.71 -0.80	65.62 3.04 -4.05	64.53 2.43 -4.19	53.09 1.81 -0.88	48.61 1.42 -1.36	43.41 1.02 -1.61
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	39.52 1.34 0.00	37.15 1.36 0.00	36.99 1.11 0.00	36.05 1.08 0.00	35.48 1.10 0.00	34.43 1.45 0.00	35.78 1.54 0.00	37.14 1.53 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.44 2.33 0.00	43.10 2.32 0.00	40.99 2.10 0.00	37.32 2.05 0.00	36.76 2.08 0.00	37.68 2.17 0.00	39.07 2.32 0.00	47.40 2.51 0.00	53.86 2.76 0.00	61.57 3.04 0.00	60.34 2.43 0.00	52.21 1.81 0.00	47.30 1.47 0.00	41.80 1.02 0.00



RAVENSWOOD_GT_9 24257	39.52 1.34 0.00	37.15 1.36 0.00	36.99 1.11 0.00	36.05 1.08 0.00	35.48 1.10 0.00	34.43 1.45 0.00	35.78 1.54 0.00	37.14 1.53 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.44 2.33 0.00	43.10 2.32 0.00	40.99 2.10 0.00	37.32 2.05 0.00	36.76 2.08 0.00	37.68 2.17 0.00	39.07 2.32 0.00	47.40 2.51 0.00	53.86 2.76 0.00	61.57 3.04 0.00	60.34 2.43 0.00	52.21 1.81 0.00	47.30 1.47 0.00	41.80 1.02 0.00
RAVENSWOOD___1 23533	39.60 1.41 0.00	37.22 1.43 0.00	36.92 1.04 0.00	36.09 1.12 0.00	35.51 1.13 0.00	34.49 1.52 0.00	35.89 1.64 0.00	37.22 1.60 0.00	40.41 1.92 0.00	41.72 2.10 0.00	45.35 2.24 0.00	43.18 2.41 0.00	41.11 2.22 0.00	37.43 2.15 0.00	36.87 2.19 0.00	38.11 2.59 0.00	39.18 2.43 0.00	47.49 2.60 0.00	53.91 2.81 0.00	61.63 3.10 0.00	60.39 2.49 0.00	52.31 1.91 0.00	47.39 1.56 0.00	41.84 1.06 0.00
RAVENSWOOD___2 23534	39.60 1.41 0.00	37.22 1.43 0.00	36.92 1.04 0.00	36.09 1.12 0.00	35.48 1.10 0.00	34.49 1.52 0.00	35.89 1.64 0.00	37.22 1.60 0.00	40.41 1.92 0.00	41.72 2.10 0.00	45.35 2.24 0.00	43.18 2.41 0.00	41.07 2.18 0.00	37.39 2.12 0.00	36.87 2.19 0.00	38.11 2.59 0.00	39.18 2.43 0.00	47.49 2.60 0.00	53.91 2.81 0.00	61.63 3.10 0.00	60.34 2.43 0.00	52.26 1.87 0.00	47.35 1.51 0.00	41.84 1.06 0.00
RAVENSWOOD___3 23535	39.52 1.34 0.00	37.15 1.36 0.00	36.84 0.97 0.00	36.02 1.05 0.00	35.41 1.03 0.00	34.42 1.45 0.00	35.78 1.54 0.00	37.14 1.53 0.00	40.29 1.81 0.00	41.60 1.98 0.00	45.31 2.20 0.00	43.10 2.32 0.00	40.99 2.10 0.00	37.29 2.01 0.00	36.76 2.08 0.00	37.75 2.24 0.00	39.07 2.32 0.00	47.40 2.51 0.00	53.86 2.76 0.00	61.63 3.10 0.00	60.34 2.43 0.00	52.20 1.81 0.00	47.30 1.47 0.00	41.88 1.10 0.00
RAVENSWOOD___4 23820	37.20 1.37 2.36	34.53 1.43 2.70	34.14 1.00 2.74	33.63 1.09 2.42	32.70 1.10 2.78	34.07 1.52 0.42	33.06 1.61 2.80	34.51 1.60 2.70	38.04 1.92 2.36	39.39 2.06 2.29	43.47 2.24 1.88	40.99 2.41 2.19	38.58 2.18 2.49	34.60 2.12 2.79	34.00 2.19 2.87	35.59 2.56 2.48	36.62 2.43 2.57	45.62 2.56 1.83	52.83 2.76 1.03	56.39 3.10 5.24	54.92 2.43 5.42	51.12 1.87 1.14	45.59 1.51 1.75	39.72 1.02 2.08
RCPL_TRUST___DRP 24196	39.64 1.45 0.00	37.29 1.50 0.00	37.09 1.22 0.00	36.16 1.19 0.00	35.58 1.20 0.00	34.53 1.55 0.00	35.92 1.67 0.00	37.29 1.67 0.00	40.49 2.00 0.00	41.80 2.18 0.00	45.65 2.54 0.00	43.31 2.53 0.00	41.19 2.29 0.00	37.50 2.22 0.00	36.93 2.25 0.00	37.86 2.34 0.00	39.26 2.50 0.00	47.63 2.74 0.00	54.12 3.02 0.00	61.92 3.39 0.00	60.63 2.72 0.00	52.46 2.07 0.00	47.48 1.65 0.00	41.92 1.14 0.00
RED___ROCHESTER 323720	38.15 -0.04 0.00	35.33 -0.47 0.00	35.52 -0.36 0.00	34.27 -0.70 0.00	33.79 -0.58 0.00	32.88 -0.10 0.00	34.31 0.07 0.00	35.83 0.21 0.00	38.68 0.19 0.00	39.78 0.16 0.00	43.24 0.13 0.00	40.62 -0.16 0.00	39.16 0.27 0.00	35.38 0.11 0.00	34.68 0.00 0.00	35.44 -0.07 0.00	36.46 -0.30 0.00	44.67 -0.22 0.00	50.64 -0.46 0.00	58.30 -0.23 0.00	57.96 0.06 0.00	50.70 0.30 0.00	46.75 0.92 0.00	41.88 1.10 0.00
REGAN___SOLAR 323812	40.67 2.48 0.00	38.19 2.40 0.00	38.21 2.33 0.00	37.21 2.24 0.00	36.58 2.20 0.00	35.22 2.24 0.00	36.54 2.29 0.00	38.00 2.39 0.00	40.91 2.43 0.00	42.08 2.46 0.00	45.65 2.54 0.00	42.98 2.20 0.00	40.99 2.10 0.00	37.11 1.83 0.00	36.41 1.73 0.00	37.29 1.77 0.00	38.85 2.09 0.00	47.94 3.05 0.00	54.79 3.68 0.00	63.62 5.09 0.00	62.66 4.75 0.00	54.12 3.73 0.00	48.95 3.12 0.00	43.51 2.73 0.00
RENSSELAER___COGEN 23796	38.22 0.04 0.00	35.94 0.14 0.00	35.91 0.04 0.00	35.08 0.11 0.00	34.48 0.10 0.00	33.24 0.26 0.00	34.51 0.27 0.00	35.79 0.18 0.00	38.64 0.15 0.00	39.82 0.20 0.00	43.20 0.09 0.00	41.10 0.32 0.00	39.09 0.20 0.00	35.56 0.28 0.00	35.03 0.35 0.00	35.83 0.32 0.00	37.13 0.37 0.00	44.98 0.09 0.00	51.15 0.05 0.00	58.82 0.29 0.00	57.73 -0.17 0.00	50.09 -0.30 0.00	45.42 -0.41 0.00	40.37 -0.41 0.00
REPUBLIC_115KV_BARTNBRK 55605	40.93 2.75 0.00	38.48 2.68 0.00	38.46 2.58 0.00	37.45 2.48 0.00	36.85 2.48 0.00	35.48 2.51 0.00	36.81 2.57 0.00	38.39 2.78 0.00	41.45 2.96 0.00	42.91 3.29 0.00	46.69 3.58 0.00	44.00 3.22 0.00	41.73 2.84 0.00	37.75 2.47 0.00	37.04 2.36 0.00	37.82 2.31 0.00	39.40 2.65 0.00	48.26 3.37 0.00	55.14 4.04 0.00	64.32 5.79 0.00	63.35 5.44 0.00	54.47 4.08 0.00	49.14 3.30 0.00	43.76 2.98 0.00
REVERE_CPPR_DRP 24186	39.03 0.84 0.00	36.61 0.82 0.00	36.70 0.83 0.00	35.74 0.77 0.00	35.13 0.76 0.00	33.83 0.86 0.00	34.96 0.72 0.00	36.50 0.89 0.00	39.33 0.85 0.00	40.41 0.79 0.00	43.93 0.82 0.00	41.47 0.69 0.00	39.59 0.70 0.00	35.81 0.53 0.00	35.17 0.49 0.00	36.12 0.60 0.00	37.35 0.59 0.00	46.06 1.17 0.00	52.79 1.69 0.00	60.81 2.28 0.00	59.93 2.03 0.00	52.21 1.81 0.00	47.35 1.51 0.00	42.04 1.26 0.00
REYNOLDS_115KV_TB3 80639	38.45 0.27 0.00	36.15 0.36 0.00	36.13 0.25 0.00	35.28 0.31 0.00	34.72 0.34 0.00	33.44 0.46 0.00	34.72 0.48 0.00	36.00 0.39 0.00	38.87 0.38 0.00	40.05 0.44 0.00	43.71 0.60 0.00	41.39 0.61 0.00	39.36 0.47 0.00	35.81 0.53 0.00	35.27 0.59 0.00	36.05 0.53 0.00	37.38 0.62 0.00	45.34 0.45 0.00	51.51 0.41 0.00	59.17 0.64 0.00	58.08 0.17 0.00	50.44 0.05 0.00	45.70 -0.14 0.00	40.62 -0.16 0.00
RIVERBAY____ 323610	39.56 1.37 0.00	37.22 1.43 0.00	37.06 1.18 0.00	36.09 1.12 0.00	35.55 1.17 0.00	34.49 1.52 0.00	35.89 1.64 0.00	37.18 1.57 0.00	40.41 1.92 0.00	41.64 2.02 0.00	45.39 2.28 0.00	43.06 2.28 0.00	40.95 2.06 0.00	37.32 2.05 0.00	36.76 2.08 0.00	37.68 2.17 0.00	39.07 2.32 0.00	47.36 2.47 0.00	53.76 2.66 0.00	61.46 2.93 0.00	60.28 2.37 0.00	52.16 1.76 0.00	47.26 1.42 0.00	41.76 0.98 0.00
RIVERSDE_115KV_TB3 55908	38.34 0.15 0.00	36.04 0.25 0.00	36.05 0.18 0.00	35.21 0.24 0.00	34.62 0.24 0.00	33.37 0.40 0.00	34.62 0.38 0.00	35.93 0.32 0.00	38.75 0.27 0.00	39.94 0.32 0.00	43.54 0.43 0.00	41.31 0.53 0.00	39.24 0.35 0.00	35.73 0.46 0.00	35.17 0.49 0.00	35.98 0.46 0.00	37.27 0.51 0.00	45.20 0.31 0.00	51.36 0.26 0.00	59.06 0.53 0.00	57.96 0.06 0.00	50.29 -0.10 0.00	45.56 -0.28 0.00	40.53 -0.24 0.00
ROARING___BROOK_WT_PWR 323790	37.65 -0.53 0.00	35.40 -0.39 0.00	35.55 -0.32 0.00	34.65 -0.32 0.00	34.03 -0.34 0.00	32.48 -0.49 0.00	33.73 -0.51 0.00	35.04 -0.57 0.00	37.83 -0.65 0.00	38.86 -0.75 0.00	42.33 -0.77 0.00	40.00 -0.78 0.00	38.15 -0.74 0.00	34.60 -0.67 0.00	34.02 -0.66 0.00	34.84 -0.68 0.00	36.06 -0.70 0.00	44.13 -0.76 0.00	50.39 -0.72 0.00	57.89 -0.64 0.00	57.33 -0.58 0.00	50.04 -0.35 0.00	45.56 -0.27 0.00	40.62 -0.16 0.00



ROCHESRG_115KV_T4 355643	37.80 -0.38 0.00	35.00 -0.79 0.00	35.19 -0.68 0.00	33.99 -0.98 0.00	33.41 -0.96 0.00	32.61 -0.36 0.00	34.04 -0.21 0.00	35.50 -0.11 0.00	38.33 -0.15 0.00	39.42 -0.20 0.00	42.29 -0.82 0.00	40.25 -0.53 0.00	38.77 -0.12 0.00	35.06 -0.21 0.00	34.40 -0.28 0.00	35.19 -0.32 0.00	36.13 -0.62 0.00	44.22 -0.67 0.00	50.08 -1.02 0.00	57.71 -0.82 0.00	57.27 -0.64 0.00	50.09 -0.30 0.00	46.20 0.37 0.00	41.51 0.73 0.00
ROCHESTER_9_IC 23652	37.99 -0.19 0.00	35.18 -0.61 0.00	35.37 -0.50 0.00	34.13 -0.84 0.00	33.55 -0.83 0.00	32.74 -0.23 0.00	34.17 -0.07 0.00	35.68 0.07 0.00	38.52 0.04 0.00	39.62 0.00 0.00	42.51 -0.60 0.00	40.45 -0.33 0.00	38.97 0.08 0.00	35.24 -0.04 0.00	34.54 -0.14 0.00	35.37 -0.14 0.00	36.32 -0.44 0.00	44.44 -0.45 0.00	50.34 -0.77 0.00	58.06 -0.47 0.00	57.62 -0.29 0.00	50.39 0.00 0.00	46.48 0.64 0.00	41.72 0.94 0.00
ROCKVIEW_13_KV_LD 356306	39.48 1.30 0.00	37.12 1.32 0.00	36.95 1.08 0.00	36.05 1.08 0.00	35.48 1.10 0.00	34.39 1.42 0.00	35.71 1.47 0.00	37.11 1.50 0.00	40.25 1.77 0.00	41.56 1.94 0.00	45.39 2.28 0.00	43.02 2.24 0.00	40.91 2.02 0.00	37.25 1.98 0.00	36.73 2.05 0.00	37.61 2.10 0.00	39.00 2.24 0.00	47.36 2.47 0.00	53.81 2.71 0.00	61.57 3.04 0.00	60.34 2.43 0.00	52.26 1.86 0.00	47.30 1.47 0.00	41.80 1.02 0.00
ROME____115KV_TB2 80656	39.03 0.84 0.00	36.61 0.82 0.00	36.70 0.83 0.00	35.74 0.77 0.00	35.13 0.76 0.00	33.83 0.86 0.00	34.96 0.72 0.00	36.50 0.89 0.00	39.33 0.85 0.00	40.41 0.79 0.00	43.93 0.82 0.00	41.47 0.69 0.00	39.59 0.70 0.00	35.81 0.53 0.00	35.17 0.49 0.00	36.12 0.60 0.00	37.35 0.59 0.00	46.06 1.17 0.00	52.79 1.69 0.00	60.81 2.28 0.00	59.93 2.03 0.00	52.21 1.81 0.00	47.35 1.51 0.00	42.04 1.26 0.00
ROSETON___1 23587	38.99 0.80 0.00	36.62 0.82 0.00	36.48 0.61 0.00	35.63 0.66 0.00	35.03 0.65 0.00	33.93 0.96 0.00	35.24 0.99 0.00	36.57 0.96 0.00	39.64 1.15 0.00	40.89 1.27 0.00	44.53 1.42 0.00	42.29 1.51 0.00	40.25 1.36 0.00	36.58 1.31 0.00	36.07 1.39 0.00	36.97 1.46 0.00	38.30 1.54 0.00	46.50 1.61 0.00	52.84 1.74 0.00	60.58 2.05 0.00	59.41 1.50 0.00	51.45 1.06 0.00	46.66 0.83 0.00	41.31 0.53 0.00
ROSETON___2 23588	38.99 0.80 0.00	36.62 0.82 0.00	36.48 0.61 0.00	35.63 0.66 0.00	35.03 0.65 0.00	33.93 0.96 0.00	35.24 0.99 0.00	36.57 0.96 0.00	39.64 1.15 0.00	40.89 1.27 0.00	44.53 1.42 0.00	42.29 1.51 0.00	40.25 1.36 0.00	36.58 1.31 0.00	36.07 1.39 0.00	36.97 1.46 0.00	38.30 1.54 0.00	46.50 1.61 0.00	52.84 1.74 0.00	60.58 2.05 0.00	59.41 1.50 0.00	51.45 1.06 0.00	46.66 0.83 0.00	41.31 0.53 0.00
ROTRRDAM_115KV_TB3 80664	38.91 0.73 0.00	36.54 0.75 0.00	36.56 0.68 0.00	35.67 0.70 0.00	35.06 0.69 0.00	33.73 0.76 0.00	35.03 0.79 0.00	36.40 0.78 0.00	39.33 0.85 0.00	40.49 0.87 0.00	44.14 1.03 0.00	41.76 0.98 0.00	39.75 0.86 0.00	36.09 0.81 0.00	35.48 0.80 0.00	36.33 0.82 0.00	37.68 0.92 0.00	45.97 1.08 0.00	52.33 1.23 0.00	60.23 1.70 0.00	59.18 1.27 0.00	51.40 1.01 0.00	46.61 0.78 0.00	41.39 0.61 0.00
RUSSELL___1 23602	38.15 -0.04 0.00	35.33 -0.47 0.00	35.52 -0.36 0.00	34.27 -0.70 0.00	33.65 -0.72 0.00	32.88 -0.10 0.00	34.31 0.07 0.00	35.83 0.21 0.00	38.68 0.19 0.00	39.78 0.16 0.00	42.72 -0.39 0.00	40.61 -0.16 0.00	39.16 0.27 0.00	35.38 0.11 0.00	34.68 0.00 0.00	35.51 0.00 0.00	36.46 -0.29 0.00	44.67 -0.22 0.00	50.64 -0.46 0.00	58.35 -0.18 0.00	57.96 0.06 0.00	50.70 0.30 0.00	46.75 0.92 0.00	41.92 1.14 0.00
RUSSELL___2 23532	38.15 -0.04 0.00	35.33 -0.47 0.00	35.52 -0.36 0.00	34.27 -0.70 0.00	33.65 -0.72 0.00	32.88 -0.10 0.00	34.31 0.07 0.00	35.83 0.21 0.00	38.68 0.19 0.00	39.78 0.16 0.00	42.72 -0.39 0.00	40.61 -0.16 0.00	39.16 0.27 0.00	35.38 0.11 0.00	34.68 0.00 0.00	35.51 0.00 0.00	36.46 -0.29 0.00	44.67 -0.22 0.00	50.64 -0.46 0.00	58.35 -0.18 0.00	57.96 0.06 0.00	50.70 0.30 0.00	46.75 0.92 0.00	41.92 1.14 0.00
RUSSELL___3 23549	38.15 -0.04 0.00	35.33 -0.47 0.00	35.52 -0.36 0.00	34.27 -0.70 0.00	33.65 -0.72 0.00	32.88 -0.10 0.00	34.31 0.07 0.00	35.83 0.21 0.00	38.68 0.19 0.00	39.78 0.16 0.00	42.72 -0.39 0.00	40.61 -0.16 0.00	39.16 0.27 0.00	35.38 0.11 0.00	34.68 0.00 0.00	35.51 0.00 0.00	36.46 -0.29 0.00	44.67 -0.22 0.00	50.64 -0.46 0.00	58.35 -0.18 0.00	57.96 0.06 0.00	50.70 0.30 0.00	46.75 0.92 0.00	41.92 1.14 0.00
RUSSELL___4 23556	38.15 -0.04 0.00	35.33 -0.47 0.00	35.52 -0.36 0.00	34.27 -0.70 0.00	33.65 -0.72 0.00	32.88 -0.10 0.00	34.31 0.07 0.00	35.83 0.21 0.00	38.68 0.19 0.00	39.78 0.16 0.00	42.72 -0.39 0.00	40.61 -0.16 0.00	39.16 0.27 0.00	35.38 0.11 0.00	34.68 0.00 0.00	35.51 0.00 0.00	36.46 -0.29 0.00	44.67 -0.22 0.00	50.64 -0.46 0.00	58.35 -0.18 0.00	57.96 0.06 0.00	50.70 0.30 0.00	46.75 0.92 0.00	41.92 1.14 0.00
RUSSELL___STATION 23914	38.15 -0.04 0.00	35.33 -0.47 0.00	35.52 -0.36 0.00	34.27 -0.70 0.00	33.65 -0.72 0.00	32.88 -0.10 0.00	34.31 0.07 0.00	35.83 0.21 0.00	38.68 0.19 0.00	39.78 0.16 0.00	42.72 -0.39 0.00	40.61 -0.16 0.00	39.16 0.27 0.00	35.38 0.11 0.00	34.68 0.00 0.00	35.51 0.00 0.00	36.46 -0.29 0.00	44.67 -0.22 0.00	50.64 -0.46 0.00	58.35 -0.18 0.00	57.96 0.06 0.00	50.70 0.30 0.00	46.75 0.92 0.00	41.92 1.14 0.00
S SALMON___HYD 24043	37.61 -0.57 0.00	35.18 -0.61 0.00	35.30 -0.58 0.00	34.34 -0.63 0.00	33.76 -0.62 0.00	32.55 -0.43 0.00	33.73 -0.51 0.00	35.19 -0.43 0.00	37.95 -0.54 0.00	39.06 -0.55 0.00	42.46 -0.65 0.00	40.04 -0.73 0.00	38.23 -0.66 0.00	34.60 -0.67 0.00	33.95 -0.73 0.00	34.84 -0.68 0.00	36.06 -0.70 0.00	44.35 -0.54 0.00	50.75 -0.36 0.00	58.47 -0.06 0.00	57.73 -0.17 0.00	50.24 -0.15 0.00	45.65 -0.18 0.00	40.54 -0.24 0.00
S.PERRY__115KV_TB1 80734	39.14 0.95 0.00	36.19 0.39 0.00	36.38 0.50 0.00	35.04 0.07 0.00	34.38 0.00 0.00	33.63 0.66 0.00	35.17 0.92 0.00	36.72 1.10 0.00	39.41 0.92 0.00	40.37 0.75 0.00	43.07 -0.04 0.00	40.82 0.04 0.00	39.24 0.35 0.00	35.42 0.14 0.00	34.75 0.07 0.00	35.66 0.14 0.00	36.76 0.00 0.00	45.43 0.54 0.00	51.92 0.82 0.00	60.34 1.81 0.00	60.05 2.14 0.00	52.46 2.07 0.00	48.36 2.52 0.00	43.22 2.45 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	37.88 -0.31 0.00	34.79 -1.00 0.00	35.01 -0.86 0.00	33.64 -1.33 0.00	33.07 -1.31 0.00	32.58 -0.40 0.00	34.07 -0.17 0.00	35.54 -0.07 0.00	38.33 -0.15 0.00	39.34 -0.28 0.00	41.77 -1.34 0.00	40.00 -0.77 0.00	38.93 0.04 0.00	35.24 -0.04 0.00	34.47 -0.21 0.00	35.19 -0.32 0.00	35.88 -0.88 0.00	43.77 -1.12 0.00	49.32 -1.79 0.00	57.07 -1.46 0.00	56.52 -1.39 0.00	49.69 -0.71 0.00	46.38 0.55 0.00	42.21 1.43 0.00



SAWYER___23_KV_LOAD 55526	37.88 -0.31 0.00	34.79 -1.00 0.00	35.01 -0.86 0.00	33.64 -1.33 0.00	33.07 -1.31 0.00	32.58 -0.40 0.00	34.07 -0.17 0.00	35.54 -0.07 0.00	38.33 -0.15 0.00	39.34 -0.28 0.00	41.77 -1.34 0.00	40.00 -0.77 0.00	38.93 0.04 0.00	35.24 -0.04 0.00	34.47 -0.21 0.00	35.19 -0.32 0.00	35.88 -0.88 0.00	43.77 -1.12 0.00	49.32 -1.79 0.00	57.07 -1.46 0.00	56.52 -1.39 0.00	49.69 -0.71 0.00	46.38 0.55 0.00	42.21 1.43 0.00
SELKIRK___I 23801	38.64 0.46 0.00	36.29 0.50 0.00	36.34 0.47 0.00	35.50 0.53 0.00	34.86 0.48 0.00	33.57 0.59 0.00	34.82 0.58 0.00	36.15 0.53 0.00	39.02 0.54 0.00	40.17 0.55 0.00	43.63 0.52 0.00	41.39 0.61 0.00	39.36 0.47 0.00	35.77 0.49 0.00	35.20 0.52 0.00	36.01 0.50 0.00	37.34 0.59 0.00	45.38 0.49 0.00	51.67 0.56 0.00	59.46 0.93 0.00	58.43 0.52 0.00	50.75 0.36 0.00	46.02 0.18 0.00	40.94 0.16 0.00
SELKIRK___II 23799	38.38 0.19 0.00	36.08 0.29 0.00	36.09 0.22 0.00	35.25 0.28 0.00	34.65 0.27 0.00	33.37 0.40 0.00	34.65 0.41 0.00	35.93 0.32 0.00	38.83 0.35 0.00	39.97 0.36 0.00	43.45 0.34 0.00	41.27 0.49 0.00	39.28 0.39 0.00	35.70 0.42 0.00	35.17 0.49 0.00	35.98 0.46 0.00	37.27 0.51 0.00	45.25 0.36 0.00	51.46 0.36 0.00	59.17 0.65 0.00	58.14 0.23 0.00	50.44 0.05 0.00	45.74 -0.09 0.00	40.66 -0.12 0.00
SENECA OSWGO___HYD 24041	37.73 -0.46 0.00	35.26 -0.54 0.00	35.34 -0.54 0.00	34.38 -0.59 0.00	33.79 -0.58 0.00	32.58 -0.39 0.00	33.90 -0.34 0.00	35.33 -0.29 0.00	38.22 -0.27 0.00	39.38 -0.24 0.00	42.89 -0.21 0.00	40.49 -0.28 0.00	38.66 -0.23 0.00	35.03 -0.25 0.00	34.37 -0.31 0.00	35.23 -0.29 0.00	36.39 -0.37 0.00	44.58 -0.31 0.00	50.69 -0.41 0.00	58.30 -0.23 0.00	57.56 -0.35 0.00	50.04 -0.35 0.00	45.61 -0.23 0.00	40.58 -0.20 0.00
SENECA___115KV_TB3 355854	38.30 0.11 0.00	35.18 -0.61 0.00	35.41 -0.47 0.00	33.99 -0.98 0.00	33.41 -0.96 0.00	32.91 -0.07 0.00	34.45 0.21 0.00	35.97 0.36 0.00	38.75 0.27 0.00	39.86 0.24 0.00	42.33 -0.78 0.00	40.45 -0.33 0.00	39.43 0.54 0.00	35.66 0.39 0.00	34.89 0.21 0.00	35.59 0.07 0.00	36.28 -0.48 0.00	44.35 -0.54 0.00	49.98 -1.12 0.00	57.94 -0.59 0.00	57.33 -0.58 0.00	50.39 0.00 0.00	47.03 1.19 0.00	42.74 1.96 0.00
SENECA___ENERGY 23797	38.19 0.00 0.00	35.58 -0.21 0.00	35.70 -0.18 0.00	34.62 -0.35 0.00	34.03 -0.34 0.00	32.94 -0.03 0.00	34.38 0.14 0.00	35.86 0.25 0.00	38.76 0.27 0.00	39.90 0.28 0.00	43.33 0.22 0.00	40.82 0.04 0.00	39.09 0.20 0.00	35.35 0.07 0.00	34.68 0.00 0.00	35.55 0.04 0.00	36.72 -0.04 0.00	45.12 0.23 0.00	51.36 0.26 0.00	59.11 0.59 0.00	58.37 0.46 0.00	50.90 0.50 0.00	46.52 0.69 0.00	41.47 0.69 0.00
SHOEMAKER___GT 23640	38.83 0.65 0.00	36.47 0.68 0.00	36.34 0.47 0.00	35.50 0.53 0.00	34.89 0.52 0.00	33.77 0.79 0.00	35.06 0.82 0.00	36.39 0.78 0.00	39.45 0.96 0.00	40.65 1.03 0.00	44.27 1.16 0.00	41.96 1.18 0.00	39.94 1.05 0.00	36.30 1.02 0.00	35.76 1.08 0.00	36.65 1.14 0.00	38.01 1.25 0.00	46.24 1.35 0.00	52.53 1.43 0.00	60.23 1.70 0.00	59.18 1.27 0.00	51.30 0.91 0.00	46.52 0.69 0.00	41.27 0.49 0.00
SHOEMAKR_138KV_BK 111 55601	38.83 0.65 0.00	36.47 0.68 0.00	36.41 0.54 0.00	35.53 0.56 0.00	34.93 0.55 0.00	33.77 0.79 0.00	35.06 0.82 0.00	36.40 0.78 0.00	39.45 0.96 0.00	40.65 1.03 0.00	44.36 1.25 0.00	42.00 1.22 0.00	39.98 1.09 0.00	36.33 1.06 0.00	35.79 1.11 0.00	36.65 1.14 0.00	38.01 1.25 0.00	46.24 1.35 0.00	52.53 1.43 0.00	60.23 1.70 0.00	59.18 1.27 0.00	51.30 0.91 0.00	46.52 0.69 0.00	41.23 0.45 0.00
SHOREHAM_IC_1 23715	38.76 0.57 0.00	36.44 0.64 0.00	36.06 0.18 0.00	35.18 0.21 0.00	34.48 0.10 0.00	33.70 0.72 0.00	35.10 0.86 0.00	36.72 1.11 0.00	39.52 1.04 0.00	41.00 1.39 0.00	44.37 1.25 -0.01	42.25 1.47 -0.01	41.72 1.28 -1.55	40.30 1.41 -3.62	39.77 1.84 -3.25	38.59 1.74 -1.34	45.49 1.84 -6.89	52.63 2.02 -5.72	53.59 2.25 -0.24	60.88 2.34 -0.01	59.60 1.68 -0.01	51.83 1.41 -0.02	46.90 1.06 -0.01	40.94 0.16 0.00
SHOREHAM_IC_2 23716	38.76 0.57 0.00	36.44 0.64 0.00	36.06 0.18 0.00	35.18 0.21 0.00	34.48 0.10 0.00	33.70 0.72 0.00	35.10 0.86 0.00	36.72 1.11 0.00	39.52 1.04 0.00	41.00 1.39 0.00	44.37 1.25 -0.01	42.25 1.47 -0.01	41.72 1.28 -1.55	40.30 1.41 -3.62	39.77 1.84 -3.25	38.59 1.74 -1.34	45.49 1.84 -6.89	52.63 2.02 -5.72	53.59 2.25 -0.24	60.88 2.34 -0.01	59.60 1.68 -0.01	51.83 1.41 -0.02	46.90 1.06 -0.01	40.94 0.16 0.00
SISSONVILLE____ 23735	37.35 -0.84 0.00	35.08 -0.72 0.00	35.26 -0.61 0.00	34.45 -0.52 0.00	33.83 -0.55 0.00	32.05 -0.92 0.00	33.08 -1.16 0.00	34.40 -1.21 0.00	37.10 -1.39 0.00	38.03 -1.58 0.00	41.43 -1.68 0.00	38.94 -1.71 0.00	37.18 -1.62 0.00	33.65 -1.62 0.00	33.05 -1.63 0.00	33.85 -1.67 0.00	35.07 -1.69 0.00	43.27 -1.62 0.00	49.52 -1.58 0.00	57.12 -1.40 0.00	56.81 -1.10 0.00	49.64 -0.76 0.00	45.06 -0.78 0.00	40.17 -0.61 0.00
SITHE_IND_GS1 24169	37.54 -0.65 0.00	35.08 -0.72 0.00	35.19 -0.68 0.00	34.23 -0.74 0.00	33.65 -0.72 0.00	32.41 -0.56 0.00	33.73 -0.51 0.00	35.11 -0.50 0.00	37.87 -0.62 0.00	39.02 -0.59 0.00	42.46 -0.65 0.00	40.08 -0.69 0.00	38.31 -0.58 0.00	34.71 -0.57 0.00	34.09 -0.59 0.00	34.91 -0.60 0.00	36.10 -0.66 0.00	44.22 -0.67 0.00	50.28 -0.82 0.00	57.77 -0.76 0.00	57.10 -0.81 0.00	49.69 -0.71 0.00	45.29 -0.55 0.00	40.33 -0.45 0.00
SITHE_IND_GS2 24170	37.54 -0.65 0.00	35.08 -0.72 0.00	35.19 -0.68 0.00	34.23 -0.74 0.00	33.65 -0.72 0.00	32.41 -0.56 0.00	33.73 -0.51 0.00	35.11 -0.50 0.00	37.87 -0.62 0.00	39.02 -0.59 0.00	42.46 -0.65 0.00	40.08 -0.69 0.00	38.31 -0.58 0.00	34.71 -0.57 0.00	34.09 -0.59 0.00	34.91 -0.60 0.00	36.10 -0.66 0.00	44.22 -0.67 0.00	50.28 -0.82 0.00	57.77 -0.76 0.00	57.10 -0.81 0.00	49.69 -0.71 0.00	45.29 -0.55 0.00	40.33 -0.45 0.00
SITHE_IND_GS3 24171	37.54 -0.65 0.00	35.08 -0.72 0.00	35.19 -0.68 0.00	34.23 -0.74 0.00	33.65 -0.72 0.00	32.41 -0.56 0.00	33.73 -0.51 0.00	35.11 -0.50 0.00	37.87 -0.62 0.00	39.02 -0.59 0.00	42.46 -0.65 0.00	40.08 -0.69 0.00	38.31 -0.58 0.00	34.71 -0.57 0.00	34.09 -0.59 0.00	34.91 -0.60 0.00	36.10 -0.66 0.00	44.22 -0.67 0.00	50.28 -0.82 0.00	57.77 -0.76 0.00	57.10 -0.81 0.00	49.69 -0.71 0.00	45.29 -0.55 0.00	40.33 -0.45 0.00
SITHE_IND_GS4 24172	37.54 -0.65 0.00	35.08 -0.72 0.00	35.19 -0.68 0.00	34.23 -0.74 0.00	33.65 -0.72 0.00	32.41 -0.56 0.00	33.73 -0.51 0.00	35.11 -0.50 0.00	37.87 -0.62 0.00	39.02 -0.59 0.00	42.46 -0.65 0.00	40.08 -0.69 0.00	38.31 -0.58 0.00	34.71 -0.57 0.00	34.09 -0.59 0.00	34.91 -0.60 0.00	36.10 -0.66 0.00	44.22 -0.67 0.00	50.28 -0.82 0.00	57.77 -0.76 0.00	57.10 -0.81 0.00	49.69 -0.71 0.00	45.29 -0.55 0.00	40.33 -0.45 0.00



SITHE___BATAVIA 24024	38.53 0.34 0.00	35.50 -0.29 0.00	35.77 -0.11 0.00	34.38 -0.59 0.00	33.93 -0.45 0.00	33.21 0.23 0.00	34.72 0.48 0.00	36.22 0.60 0.00	38.95 0.46 0.00	39.97 0.36 0.00	43.33 0.22 0.00	40.57 -0.20 0.00	39.28 0.39 0.00	35.45 0.18 0.00	34.72 0.03 0.00	35.44 -0.07 0.00	36.39 -0.37 0.00	44.67 -0.22 0.00	50.59 -0.51 0.00	58.53 0.00 0.00	58.31 0.41 0.00	51.10 0.71 0.00	47.44 1.60 0.00	42.82 2.04 0.00
SITHE___INDEPEND 23800	37.54 -0.65 0.00	35.08 -0.72 0.00	35.19 -0.68 0.00	34.24 -0.73 0.00	33.62 -0.76 0.00	32.41 -0.56 0.00	33.73 -0.51 0.00	35.11 -0.50 0.00	37.87 -0.62 0.00	39.02 -0.59 0.00	42.33 -0.78 0.00	40.08 -0.69 0.00	38.31 -0.58 0.00	34.71 -0.56 0.00	34.09 -0.59 0.00	34.95 -0.57 0.00	36.10 -0.66 0.00	44.22 -0.67 0.00	50.29 -0.82 0.00	57.77 -0.76 0.00	57.10 -0.81 0.00	49.69 -0.71 0.00	45.28 -0.55 0.00	40.33 -0.45 0.00
SITHE___MASSENA 23902	38.42 0.23 0.00	36.04 0.25 0.00	36.20 0.32 0.00	35.32 0.35 0.00	34.72 0.34 0.00	32.91 -0.07 0.00	34.07 -0.17 0.00	35.43 -0.18 0.00	38.22 -0.27 0.00	39.26 -0.36 0.00	42.72 -0.39 0.00	40.25 -0.53 0.00	38.46 -0.43 0.00	34.82 -0.46 0.00	34.23 -0.45 0.00	35.02 -0.50 0.00	36.24 -0.51 0.00	44.49 -0.40 0.00	50.80 -0.30 0.00	58.41 -0.12 0.00	58.08 0.17 0.00	50.70 0.30 0.00	46.16 0.32 0.00	41.14 0.37 0.00
SITHE___OGDNSBRG 24021	38.53 0.34 0.00	36.22 0.43 0.00	36.38 0.50 0.00	35.53 0.56 0.00	34.89 0.52 0.00	33.07 0.10 0.00	34.10 -0.14 0.00	35.43 -0.18 0.00	38.14 -0.35 0.00	39.06 -0.55 0.00	42.51 -0.60 0.00	39.96 -0.82 0.00	38.15 -0.74 0.00	34.50 -0.78 0.00	33.88 -0.80 0.00	34.70 -0.82 0.00	35.99 -0.77 0.00	44.44 -0.45 0.00	51.00 -0.10 0.00	58.88 0.35 0.00	58.60 0.69 0.00	51.15 0.76 0.00	46.43 0.60 0.00	41.39 0.61 0.00
SITHE___STERLING 23777	38.91 0.72 0.00	36.44 0.64 0.00	36.55 0.68 0.00	35.60 0.63 0.00	34.96 0.58 0.00	33.70 0.72 0.00	34.93 0.68 0.00	36.43 0.82 0.00	39.25 0.77 0.00	40.37 0.75 0.00	43.93 0.82 0.00	41.47 0.69 0.00	39.59 0.70 0.00	35.84 0.56 0.00	35.17 0.49 0.00	36.08 0.57 0.00	37.34 0.59 0.00	45.92 1.03 0.00	52.53 1.43 0.00	60.46 1.93 0.00	59.64 1.74 0.00	51.90 1.51 0.00	47.12 1.28 0.00	41.88 1.10 0.00
SLEIGHT__34_KV_TB1 80719	37.88 -0.31 0.00	35.18 -0.61 0.00	35.34 -0.54 0.00	34.20 -0.77 0.00	33.59 -0.79 0.00	32.68 -0.30 0.00	34.10 -0.14 0.00	35.61 0.00 0.00	38.48 0.00 0.00	39.66 0.04 0.00	42.76 -0.34 0.00	40.57 -0.20 0.00	38.93 0.04 0.00	35.17 -0.11 0.00	34.47 -0.21 0.00	35.34 -0.18 0.00	36.39 -0.37 0.00	44.67 -0.22 0.00	50.69 -0.41 0.00	58.41 -0.12 0.00	57.85 -0.06 0.00	50.49 0.10 0.00	46.29 0.46 0.00	41.35 0.57 0.00
SOUTH CAIRO___GT 23612	39.29 1.11 0.00	36.90 1.11 0.00	36.92 1.04 0.00	36.02 1.05 0.00	35.37 1.00 0.00	34.10 1.12 0.00	35.41 1.16 0.00	36.64 1.03 0.00	39.60 1.12 0.00	40.73 1.11 0.00	44.32 1.21 0.00	41.80 1.02 0.00	39.71 0.82 0.00	35.98 0.71 0.00	35.48 0.80 0.00	36.30 0.78 0.00	37.71 0.96 0.00	46.10 1.21 0.00	52.59 1.48 0.00	60.75 2.22 0.00	59.93 2.03 0.00	51.70 1.31 0.00	46.84 1.01 0.00	41.80 1.02 0.00
SOUTH HAMPTN___IC 23720	39.10 0.91 0.00	36.72 0.93 0.00	36.31 0.43 0.00	35.42 0.45 0.00	34.68 0.31 0.00	33.90 0.92 0.00	35.34 1.10 0.00	37.00 1.39 0.00	39.83 1.35 0.00	41.36 1.74 0.00	44.67 1.55 -0.01	42.58 1.79 -0.01	42.07 1.63 -1.54	40.61 1.73 -3.61	40.08 2.15 -3.25	38.98 2.13 -1.34	45.92 2.28 -6.88	53.20 2.60 -5.71	54.21 2.86 -0.24	61.58 3.04 -0.01	60.35 2.43 -0.01	52.38 1.96 -0.02	47.35 1.51 -0.01	41.39 0.61 0.00
SOUTHDOW_115KV_TB1 355954	39.64 1.45 0.00	36.47 0.68 0.00	36.52 0.65 0.00	34.97 0.00 0.00	34.38 0.00 0.00	33.87 0.89 0.00	35.41 1.16 0.00	37.07 1.46 0.00	39.95 1.46 0.00	41.20 1.58 0.00	43.93 0.82 0.00	41.92 1.14 0.00	40.95 2.06 0.00	36.97 1.69 0.00	36.14 1.46 0.00	36.83 1.31 0.00	37.57 0.81 0.00	46.24 1.35 0.00	52.23 1.12 0.00	60.81 2.28 0.00	60.11 2.20 0.00	52.66 2.27 0.00	49.04 3.21 0.00	44.41 3.63 0.00
SOUTHOLD_69_KV_BK 2 55809	39.22 1.03 0.00	36.79 1.00 0.00	36.45 0.57 0.00	35.88 0.91 0.00	35.00 0.62 0.00	33.90 0.92 0.00	35.34 1.10 0.00	37.04 1.42 0.00	39.95 1.46 0.00	41.48 1.86 0.00	44.76 1.64 -0.01	42.62 1.83 -0.01	42.07 1.63 -1.54	40.72 1.83 -3.61	40.22 2.29 -3.25	39.27 2.41 -1.34	46.28 2.65 -6.88	53.70 3.10 -5.71	54.77 3.42 -0.24	62.28 3.75 -0.01	61.04 3.13 -0.01	52.84 2.42 -0.03	47.68 1.83 -0.01	42.25 1.47 0.00
SOUTHOLD___IC 23719	39.22 1.03 0.00	36.79 1.00 0.00	36.31 0.43 0.00	35.39 0.42 0.00	34.68 0.31 0.00	33.90 0.92 0.00	35.34 1.10 0.00	37.07 1.46 0.00	39.95 1.46 0.00	41.48 1.86 0.00	44.54 1.42 -0.01	42.58 1.79 -0.01	42.07 1.63 -1.54	40.68 1.80 -3.61	40.25 2.32 -3.25	39.27 2.42 -1.34	46.28 2.65 -6.88	53.69 3.10 -5.71	54.72 3.37 -0.24	62.29 3.75 -0.01	61.04 3.12 -0.01	52.84 2.42 -0.02	47.68 1.84 -0.01	41.76 0.98 0.00
SOUTH_FORK_WT_PWR 323839	38.91 0.72 0.00	36.51 0.72 0.00	35.98 0.11 0.00	35.04 0.07 0.00	34.31 -0.07 0.00	33.57 0.59 0.00	34.96 0.72 0.00	36.68 1.07 0.00	39.52 1.04 0.00	41.04 1.42 0.00	43.89 0.78 -0.01	42.09 1.30 -0.01	41.60 1.17 -1.54	40.30 1.41 -3.61	39.94 2.01 -3.25	39.05 2.20 -1.34	46.06 2.43 -6.88	53.43 2.83 -5.71	54.41 3.07 -0.24	61.99 3.45 -0.01	60.75 2.84 -0.01	52.53 2.12 -0.02	47.35 1.51 -0.01	41.59 0.82 0.00
SPIERFLS_115KV_TB 1 80737	39.75 1.57 0.00	37.37 1.57 0.00	37.35 1.47 0.00	36.44 1.47 0.00	35.82 1.44 0.00	34.49 1.52 0.00	35.78 1.54 0.00	37.29 1.67 0.00	40.29 1.81 0.00	41.64 2.02 0.00	45.39 2.28 0.00	42.86 2.08 0.00	40.68 1.79 0.00	36.86 1.59 0.00	36.24 1.56 0.00	37.04 1.53 0.00	38.49 1.73 0.00	47.00 2.11 0.00	53.56 2.45 0.00	61.98 3.45 0.00	60.98 3.07 0.00	52.71 2.32 0.00	47.67 1.83 0.00	42.37 1.59 0.00
ST LAWRENCE____ 23600	38.00 -0.19 0.00	35.68 -0.11 0.00	35.84 -0.04 0.00	34.97 0.00 0.00	34.38 0.00 0.00	32.61 -0.36 0.00	33.80 -0.45 0.00	35.15 -0.46 0.00	37.95 -0.54 0.00	38.94 -0.67 0.00	42.38 -0.73 0.00	40.00 -0.78 0.00	38.15 -0.74 0.00	34.57 -0.71 0.00	33.99 -0.69 0.00	34.77 -0.75 0.00	35.98 -0.77 0.00	44.13 -0.76 0.00	50.34 -0.77 0.00	57.83 -0.70 0.00	57.38 -0.52 0.00	50.09 -0.30 0.00	45.61 -0.23 0.00	40.66 -0.12 0.00
STATE_CA_115KV_115_LB 55624	38.38 0.19 0.00	36.08 0.29 0.00	36.09 0.22 0.00	35.21 0.24 0.00	34.65 0.28 0.00	33.37 0.40 0.00	34.65 0.41 0.00	35.93 0.32 0.00	38.79 0.31 0.00	40.01 0.40 0.00	43.58 0.47 0.00	41.31 0.53 0.00	39.32 0.43 0.00	35.73 0.46 0.00	35.20 0.52 0.00	35.98 0.46 0.00	37.31 0.55 0.00	45.20 0.31 0.00	51.41 0.31 0.00	59.11 0.59 0.00	58.08 0.17 0.00	50.39 0.00 0.00	45.65 -0.18 0.00	40.62 -0.16 0.00



STATE_ST_34_KV_LOAD 55959	38.41 0.23 0.00	35.86 0.07 0.00	35.95 0.07 0.00	34.90 -0.07 0.00	34.27 -0.10 0.00	33.17 0.20 0.00	34.55 0.31 0.00	36.07 0.46 0.00	39.02 0.54 0.00	40.25 0.63 0.00	43.58 0.47 0.00	41.27 0.49 0.00	39.43 0.54 0.00	35.70 0.42 0.00	34.99 0.31 0.00	35.91 0.39 0.00	37.09 0.33 0.00	45.56 0.67 0.00	51.87 0.77 0.00	59.70 1.17 0.00	58.95 1.04 0.00	51.30 0.91 0.00	46.75 0.92 0.00	41.55 0.77 0.00
STATION 5_MISC_HYD 23604	38.00 -0.19 0.00	35.18 -0.61 0.00	35.37 -0.50 0.00	34.13 -0.84 0.00	33.65 -0.72 0.00	32.75 -0.23 0.00	34.17 -0.07 0.00	35.68 0.07 0.00	38.52 0.04 0.00	39.62 0.00 0.00	43.02 -0.09 0.00	40.45 -0.33 0.00	38.97 0.08 0.00	35.24 -0.04 0.00	34.54 -0.14 0.00	35.30 -0.21 0.00	36.32 -0.44 0.00	44.44 -0.45 0.00	50.39 -0.72 0.00	58.00 -0.53 0.00	57.62 -0.29 0.00	50.39 0.00 0.00	46.52 0.69 0.00	41.72 0.94 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	38.41 0.23 0.00	35.68 -0.11 0.00	35.84 -0.04 0.00	34.69 -0.28 0.00	34.07 -0.31 0.00	33.14 0.16 0.00	34.55 0.31 0.00	36.11 0.50 0.00	38.98 0.50 0.00	40.13 0.52 0.00	43.32 0.22 0.00	41.06 0.29 0.00	39.36 0.47 0.00	35.56 0.28 0.00	34.85 0.17 0.00	35.73 0.21 0.00	36.83 0.07 0.00	45.25 0.36 0.00	51.46 0.36 0.00	59.17 0.64 0.00	58.72 0.81 0.00	51.20 0.81 0.00	46.93 1.10 0.00	41.84 1.06 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	37.77 -0.42 0.00	35.00 -0.79 0.00	35.19 -0.68 0.00	33.99 -0.98 0.00	33.41 -0.96 0.00	32.58 -0.40 0.00	34.00 -0.24 0.00	35.50 -0.11 0.00	38.29 -0.19 0.00	39.42 -0.20 0.00	42.33 -0.78 0.00	40.25 -0.53 0.00	38.77 -0.12 0.00	35.06 -0.21 0.00	34.37 -0.31 0.00	35.19 -0.32 0.00	36.17 -0.59 0.00	44.26 -0.63 0.00	50.18 -0.92 0.00	57.77 -0.76 0.00	57.39 -0.52 0.00	50.14 -0.25 0.00	46.20 0.37 0.00	41.43 0.65 0.00
STA_56__34_KV_BUS2 355983	37.77 -0.42 0.00	35.00 -0.79 0.00	35.19 -0.68 0.00	33.99 -0.98 0.00	33.41 -0.96 0.00	32.58 -0.40 0.00	34.00 -0.24 0.00	35.50 -0.11 0.00	38.29 -0.19 0.00	39.42 -0.20 0.00	42.33 -0.78 0.00	40.25 -0.53 0.00	38.77 -0.12 0.00	35.06 -0.21 0.00	34.37 -0.31 0.00	35.19 -0.32 0.00	36.17 -0.59 0.00	44.26 -0.63 0.00	50.18 -0.92 0.00	57.77 -0.76 0.00	57.39 -0.52 0.00	50.14 -0.25 0.00	46.20 0.37 0.00	41.43 0.65 0.00
STA_67__115KV_BK2 355882	37.92 -0.27 0.00	35.11 -0.68 0.00	35.30 -0.57 0.00	34.10 -0.87 0.00	33.48 -0.89 0.00	32.68 -0.30 0.00	34.14 -0.10 0.00	35.61 0.00 0.00	38.45 -0.04 0.00	39.54 -0.08 0.00	42.42 -0.69 0.00	40.37 -0.41 0.00	38.89 0.00 0.00	35.17 -0.11 0.00	34.47 -0.21 0.00	35.30 -0.21 0.00	36.24 -0.51 0.00	44.35 -0.54 0.00	50.23 -0.87 0.00	57.89 -0.64 0.00	57.50 -0.41 0.00	50.29 -0.10 0.00	46.38 0.55 0.00	41.63 0.86 0.00
STA_7__115KV_9TRANS 80674	38.15 -0.04 0.00	35.33 -0.47 0.00	35.52 -0.36 0.00	34.27 -0.70 0.00	33.65 -0.72 0.00	32.88 -0.10 0.00	34.31 0.07 0.00	35.83 0.21 0.00	38.68 0.19 0.00	39.78 0.16 0.00	42.72 -0.39 0.00	40.61 -0.16 0.00	39.16 0.27 0.00	35.38 0.11 0.00	34.68 0.00 0.00	35.51 0.00 0.00	36.46 -0.29 0.00	44.67 -0.22 0.00	50.64 -0.46 0.00	58.35 -0.18 0.00	57.96 0.06 0.00	50.70 0.30 0.00	46.75 0.92 0.00	41.92 1.14 0.00
STA_82__115KV_TB1 80780	37.92 -0.27 0.00	35.11 -0.68 0.00	35.30 -0.57 0.00	34.10 -0.87 0.00	33.48 -0.89 0.00	32.71 -0.26 0.00	34.14 -0.10 0.00	35.61 0.00 0.00	38.45 -0.04 0.00	39.54 -0.08 0.00	42.42 -0.69 0.00	40.37 -0.41 0.00	38.89 0.00 0.00	35.17 -0.11 0.00	34.47 -0.21 0.00	35.30 -0.21 0.00	36.24 -0.51 0.00	44.35 -0.54 0.00	50.23 -0.87 0.00	57.89 -0.64 0.00	57.50 -0.41 0.00	50.29 -0.10 0.00	46.38 0.55 0.00	41.63 0.86 0.00
STEEL__WIND 323596	38.26 0.08 0.00	35.15 -0.64 0.00	35.41 -0.47 0.00	33.95 -1.02 0.00	33.59 -0.79 0.00	32.88 -0.10 0.00	34.41 0.17 0.00	35.93 0.32 0.00	38.72 0.23 0.00	39.82 0.20 0.00	43.07 -0.04 0.00	40.41 -0.37 0.00	39.39 0.50 0.00	35.63 0.35 0.00	34.85 0.17 0.00	35.44 -0.07 0.00	36.24 -0.51 0.00	44.31 -0.58 0.00	49.98 -1.12 0.00	57.83 -0.70 0.00	57.27 -0.64 0.00	50.34 -0.05 0.00	47.02 1.19 0.00	42.74 1.96 0.00
STEPHTWN_115KV_BK_2 55603	38.61 0.42 0.00	36.29 0.50 0.00	36.27 0.39 0.00	35.42 0.45 0.00	34.82 0.45 0.00	33.57 0.59 0.00	34.82 0.58 0.00	36.15 0.53 0.00	39.06 0.58 0.00	40.25 0.63 0.00	43.84 0.73 0.00	41.55 0.77 0.00	39.51 0.62 0.00	35.91 0.63 0.00	35.37 0.69 0.00	36.15 0.64 0.00	37.49 0.74 0.00	45.47 0.58 0.00	51.72 0.61 0.00	59.58 1.05 0.00	58.49 0.58 0.00	50.70 0.30 0.00	45.93 0.09 0.00	40.86 0.08 0.00
STEUBEN_REC_LFGE 323667	38.95 0.76 0.00	35.93 0.14 0.00	36.09 0.22 0.00	34.73 -0.24 0.00	34.03 -0.34 0.00	33.27 0.30 0.00	34.89 0.65 0.00	36.54 0.93 0.00	39.45 0.96 0.00	40.53 0.91 0.00	43.32 0.22 0.00	41.14 0.37 0.00	39.59 0.70 0.00	35.73 0.46 0.00	34.92 0.24 0.00	35.91 0.39 0.00	36.98 0.22 0.00	45.70 0.81 0.00	52.02 0.92 0.00	60.29 1.76 0.00	59.59 1.68 0.00	52.16 1.76 0.00	48.08 2.25 0.00	43.10 2.32 0.00
STILLWATER__SOLAR 323814	39.44 1.26 0.00	37.08 1.29 0.00	37.06 1.18 0.00	36.19 1.22 0.00	35.55 1.17 0.00	34.26 1.28 0.00	35.54 1.30 0.00	36.96 1.35 0.00	39.95 1.46 0.00	41.20 1.59 0.00	44.84 1.73 0.00	42.45 1.67 0.00	40.33 1.44 0.00	36.58 1.31 0.00	35.96 1.28 0.00	36.79 1.28 0.00	38.23 1.47 0.00	46.60 1.71 0.00	53.05 1.94 0.00	61.22 2.69 0.00	60.23 2.32 0.00	52.11 1.71 0.00	47.21 1.37 0.00	41.92 1.14 0.00
STONY__BROOK 24151	39.48 1.30 0.00	37.08 1.29 0.00	36.70 0.83 0.00	35.81 0.84 0.00	35.10 0.72 0.00	34.30 1.32 0.00	35.71 1.47 0.00	37.36 1.74 0.00	40.29 1.81 0.00	41.76 2.14 0.00	45.32 2.20 -0.01	43.11 2.32 -0.01	42.58 2.14 -1.55	41.02 2.12 -3.63	40.31 2.36 -3.27	39.27 2.42 -1.34	46.22 2.53 -6.92	53.51 2.88 -5.75	54.52 3.17 -0.25	61.87 3.33 -0.01	60.58 2.67 -0.01	52.69 2.27 -0.02	47.68 1.84 -0.01	41.72 0.94 0.00
STURGEON_POOL_HYD 23609	39.03 0.84 0.00	36.69 0.89 0.00	36.63 0.75 0.00	35.74 0.77 0.00	35.13 0.76 0.00	33.96 0.99 0.00	35.30 1.06 0.00	36.57 0.96 0.00	39.68 1.19 0.00	40.93 1.31 0.00	44.75 1.64 0.00	42.33 1.55 0.00	40.25 1.36 0.00	36.58 1.31 0.00	36.07 1.39 0.00	36.94 1.42 0.00	38.34 1.58 0.00	46.64 1.75 0.00	52.99 1.89 0.00	60.70 2.17 0.00	59.64 1.74 0.00	51.60 1.21 0.00	46.80 0.96 0.00	41.43 0.65 0.00
ST_LAW_115_BK7_LBMP 345037	38.00 -0.19 0.00	35.68 -0.11 0.00	35.84 -0.04 0.00	34.97 0.00 0.00	34.38 0.00 0.00	32.61 -0.36 0.00	33.76 -0.48 0.00	35.11 -0.50 0.00	37.87 -0.62 0.00	38.91 -0.71 0.00	42.33 -0.77 0.00	39.96 -0.82 0.00	38.11 -0.78 0.00	34.53 -0.74 0.00	33.95 -0.73 0.00	34.73 -0.78 0.00	35.95 -0.81 0.00	44.08 -0.81 0.00	50.28 -0.82 0.00	57.77 -0.76 0.00	57.33 -0.58 0.00	50.09 -0.30 0.00	45.56 -0.27 0.00	40.66 -0.12 0.00



ST_LAW_115_BK8_LBMP 345038	38.00 -0.19 0.00	35.68 -0.11 0.00	35.84 -0.04 0.00	34.97 0.00 0.00	34.38 0.00 0.00	32.61 -0.36 0.00	33.76 -0.48 0.00	35.11 -0.50 0.00	37.87 -0.62 0.00	38.91 -0.71 0.00	42.33 -0.77 0.00	39.96 -0.82 0.00	38.11 -0.78 0.00	34.53 -0.74 0.00	33.95 -0.73 0.00	34.73 -0.78 0.00	35.95 -0.81 0.00	44.08 -0.81 0.00	50.28 -0.82 0.00	57.77 -0.76 0.00	57.33 -0.58 0.00	50.09 -0.30 0.00	45.56 -0.27 0.00	40.66 -0.12 0.00
ST_LAW_230_BK5_LBMP 345035	38.00 -0.19 0.00	35.68 -0.11 0.00	35.84 -0.04 0.00	34.97 0.00 0.00	34.38 0.00 0.00	32.61 -0.36 0.00	33.80 -0.45 0.00	35.15 -0.46 0.00	37.95 -0.54 0.00	38.94 -0.67 0.00	42.38 -0.73 0.00	40.00 -0.78 0.00	38.15 -0.74 0.00	34.57 -0.71 0.00	33.99 -0.69 0.00	34.77 -0.75 0.00	35.98 -0.77 0.00	44.13 -0.76 0.00	50.34 -0.77 0.00	57.83 -0.70 0.00	57.38 -0.52 0.00	50.09 -0.30 0.00	45.61 -0.23 0.00	40.66 -0.12 0.00
ST_LAW_230_BK6_LBMP 345036	38.00 -0.19 0.00	35.68 -0.11 0.00	35.84 -0.04 0.00	34.97 0.00 0.00	34.38 0.00 0.00	32.61 -0.36 0.00	33.80 -0.45 0.00	35.15 -0.46 0.00	37.95 -0.54 0.00	38.94 -0.67 0.00	42.38 -0.73 0.00	40.00 -0.78 0.00	38.15 -0.74 0.00	34.57 -0.71 0.00	33.99 -0.69 0.00	34.77 -0.75 0.00	35.98 -0.77 0.00	44.13 -0.76 0.00	50.34 -0.77 0.00	57.83 -0.70 0.00	57.38 -0.52 0.00	50.09 -0.30 0.00	45.61 -0.23 0.00	40.66 -0.12 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	38.91 0.73 0.00	36.58 0.79 0.00	36.48 0.61 0.00	35.60 0.63 0.00	35.00 0.62 0.00	33.87 0.89 0.00	35.17 0.92 0.00	36.50 0.89 0.00	39.56 1.08 0.00	40.85 1.23 0.00	44.57 1.47 0.00	42.21 1.43 0.00	40.13 1.24 0.00	36.51 1.23 0.00	35.96 1.28 0.00	36.83 1.31 0.00	38.23 1.47 0.00	46.42 1.53 0.00	52.79 1.69 0.00	60.46 1.93 0.00	59.41 1.51 0.00	51.40 1.01 0.00	46.61 0.78 0.00	41.31 0.53 0.00
SWANROAD_115KV_TB1 355699	37.12 -1.07 0.00	34.11 -1.68 0.00	34.37 -1.51 0.00	33.01 -1.96 0.00	32.45 -1.93 0.00	31.99 -0.99 0.00	33.59 -0.65 0.00	34.83 -0.78 0.00	37.56 -0.92 0.00	38.55 -1.07 0.00	40.82 -2.28 0.00	39.15 -1.63 0.00	38.07 -0.82 0.00	34.46 -0.81 0.00	33.71 -0.97 0.00	34.45 -1.07 0.00	35.07 -1.69 0.00	42.78 -2.11 0.00	48.14 -2.96 0.00	55.72 -2.81 0.00	55.18 -2.72 0.00	48.58 -1.81 0.00	45.42 -0.41 0.00	41.35 0.57 0.00
SYNERGY___BIOGAS 323694	38.49 0.31 0.00	35.51 -0.29 0.00	35.77 -0.11 0.00	34.38 -0.59 0.00	33.76 -0.62 0.00	33.21 0.23 0.00	34.72 0.48 0.00	36.18 0.57 0.00	38.95 0.46 0.00	39.97 0.36 0.00	42.59 -0.52 0.00	40.57 -0.20 0.00	39.28 0.39 0.00	35.45 0.18 0.00	34.72 0.03 0.00	35.51 0.00 0.00	36.39 -0.37 0.00	44.67 -0.22 0.00	50.59 -0.51 0.00	58.53 0.00 0.00	58.31 0.41 0.00	51.10 0.71 0.00	47.44 1.60 0.00	42.74 1.96 0.00
SYRACUSE___ENERGY_ST1 323597	38.30 0.11 0.00	35.76 -0.04 0.00	35.87 0.00 0.00	34.86 -0.10 0.00	34.24 -0.14 0.00	33.04 0.07 0.00	34.41 0.17 0.00	35.90 0.28 0.00	38.79 0.31 0.00	40.01 0.40 0.00	43.45 0.34 0.00	41.10 0.33 0.00	39.28 0.39 0.00	35.59 0.32 0.00	34.92 0.24 0.00	35.80 0.28 0.00	36.98 0.22 0.00	45.29 0.40 0.00	51.56 0.46 0.00	59.23 0.70 0.00	58.49 0.58 0.00	50.90 0.50 0.00	46.38 0.55 0.00	41.23 0.45 0.00
SYRACUSE___ENERGY_ST2 323598	38.30 0.11 0.00	35.76 -0.04 0.00	35.87 0.00 0.00	34.86 -0.10 0.00	34.24 -0.14 0.00	33.04 0.07 0.00	34.41 0.17 0.00	35.90 0.28 0.00	38.79 0.31 0.00	40.01 0.40 0.00	43.45 0.34 0.00	41.10 0.33 0.00	39.28 0.39 0.00	35.59 0.32 0.00	34.92 0.24 0.00	35.80 0.28 0.00	36.98 0.22 0.00	45.29 0.40 0.00	51.56 0.46 0.00	59.23 0.70 0.00	58.49 0.58 0.00	50.90 0.50 0.00	46.38 0.55 0.00	41.23 0.45 0.00
SYRACUSE___POWER 24017	38.19 0.00 0.00	35.68 -0.11 0.00	35.77 -0.11 0.00	34.80 -0.17 0.00	34.17 -0.21 0.00	32.98 0.00 0.00	34.34 0.10 0.00	35.79 0.18 0.00	38.72 0.23 0.00	39.90 0.28 0.00	43.28 0.17 0.00	40.98 0.20 0.00	39.16 0.27 0.00	35.49 0.21 0.00	34.82 0.14 0.00	35.69 0.18 0.00	36.87 0.11 0.00	45.20 0.31 0.00	51.41 0.31 0.00	59.11 0.59 0.00	58.31 0.41 0.00	50.75 0.35 0.00	46.25 0.41 0.00	41.15 0.37 0.00
TALLMAN___138KV_BK151 55660	39.06 0.88 0.00	36.72 0.93 0.00	36.59 0.72 0.00	35.70 0.73 0.00	35.13 0.76 0.00	34.00 1.02 0.00	35.34 1.10 0.00	36.68 1.07 0.00	39.79 1.31 0.00	41.04 1.43 0.00	44.83 1.72 0.00	42.45 1.67 0.00	40.41 1.52 0.00	36.76 1.48 0.00	36.21 1.53 0.00	37.08 1.56 0.00	38.49 1.73 0.00	46.73 1.84 0.00	53.10 1.99 0.00	60.81 2.28 0.00	59.64 1.74 0.00	51.65 1.26 0.00	46.80 0.96 0.00	41.39 0.61 0.00
TEALLAVE_115KV_TB7 355573	38.11 -0.08 0.00	35.58 -0.21 0.00	35.70 -0.18 0.00	34.69 -0.28 0.00	34.07 -0.31 0.00	32.91 -0.07 0.00	34.24 0.00 0.00	35.72 0.11 0.00	38.60 0.12 0.00	39.78 0.16 0.00	43.15 0.04 0.00	40.90 0.12 0.00	39.08 0.19 0.00	35.42 0.14 0.00	34.75 0.07 0.00	35.62 0.11 0.00	36.79 0.04 0.00	45.07 0.18 0.00	51.26 0.15 0.00	58.88 0.35 0.00	58.14 0.23 0.00	50.59 0.20 0.00	46.11 0.28 0.00	41.02 0.24 0.00
TELGRAPH_34_KV_EAST 80808	37.88 -0.31 0.00	34.86 -0.93 0.00	35.12 -0.75 0.00	33.75 -1.22 0.00	33.17 -1.20 0.00	32.65 -0.33 0.00	34.21 -0.03 0.00	35.58 -0.04 0.00	38.37 -0.12 0.00	39.38 -0.24 0.00	41.82 -1.29 0.00	39.96 -0.82 0.00	38.81 -0.08 0.00	35.06 -0.21 0.00	34.33 -0.35 0.00	35.09 -0.43 0.00	35.84 -0.92 0.00	43.81 -1.08 0.00	49.47 -1.64 0.00	57.24 -1.29 0.00	56.81 -1.10 0.00	49.94 -0.45 0.00	46.52 0.69 0.00	42.12 1.35 0.00
TEMPLE___115KV_TB 2 55572	38.11 -0.08 0.00	35.61 -0.18 0.00	35.70 -0.18 0.00	34.73 -0.24 0.00	34.10 -0.28 0.00	32.94 -0.03 0.00	34.28 0.03 0.00	35.72 0.11 0.00	38.64 0.15 0.00	39.82 0.20 0.00	43.20 0.09 0.00	40.90 0.12 0.00	39.12 0.23 0.00	35.45 0.18 0.00	34.78 0.10 0.00	35.66 0.14 0.00	36.83 0.07 0.00	45.07 0.18 0.00	51.31 0.20 0.00	58.94 0.41 0.00	58.14 0.23 0.00	50.65 0.25 0.00	46.16 0.32 0.00	41.06 0.29 0.00
TIANA____69_KV_BK 1 55817	39.10 0.92 0.00	36.72 0.93 0.00	36.45 0.57 0.00	35.91 0.94 0.00	35.03 0.65 0.00	33.93 0.96 0.00	35.37 1.13 0.00	36.96 1.35 0.00	39.87 1.39 0.00	41.40 1.78 0.00	44.97 1.85 -0.01	42.62 1.83 -0.01	42.11 1.67 -1.54	40.65 1.76 -3.61	40.04 2.12 -3.25	38.91 2.06 -1.34	45.88 2.24 -6.88	53.16 2.56 -5.71	54.16 2.81 -0.24	61.46 2.93 -0.01	60.29 2.37 -0.01	52.38 1.97 -0.03	47.31 1.47 -0.01	41.76 0.98 0.00
TILDEN___115KV_TB1 80814	38.19 0.00 0.00	35.68 -0.11 0.00	35.77 -0.11 0.00	34.80 -0.17 0.00	34.17 -0.21 0.00	32.98 0.00 0.00	34.34 0.10 0.00	35.79 0.18 0.00	38.72 0.23 0.00	39.90 0.28 0.00	43.28 0.17 0.00	40.98 0.20 0.00	39.16 0.27 0.00	35.49 0.21 0.00	34.82 0.14 0.00	35.69 0.18 0.00	36.87 0.11 0.00	45.20 0.31 0.00	51.41 0.31 0.00	59.11 0.59 0.00	58.31 0.41 0.00	50.75 0.35 0.00	46.25 0.41 0.00	41.15 0.37 0.00



TRIGEN___CC 323695	39.52 1.34 0.00	37.08 1.29 0.00	36.88 1.00 0.00	36.05 1.08 0.00	35.44 1.07 0.00	34.33 1.35 0.00	35.71 1.47 0.00	37.21 1.60 0.00	40.29 1.81 0.00	41.72 2.10 0.00	45.58 2.46 -0.02	43.08 2.28 -0.02	43.70 2.06 -2.75	43.71 2.01 -6.43	42.55 2.08 -5.78	40.02 2.13 -2.38	51.29 2.28 -12.25	57.57 2.51 -10.17	54.25 2.71 -0.44	61.53 2.99 -0.02	60.35 2.43 -0.02	52.35 1.91 -0.04	47.45 1.60 -0.02	41.96 1.18 0.00
TRINITY___115KV___4 BK 55933	38.26 0.08 0.00	35.97 0.18 0.00	35.98 0.11 0.00	35.11 0.14 0.00	34.55 0.17 0.00	33.27 0.30 0.00	34.55 0.31 0.00	35.83 0.21 0.00	38.68 0.19 0.00	39.86 0.24 0.00	43.41 0.30 0.00	41.19 0.41 0.00	39.16 0.27 0.00	35.63 0.35 0.00	35.10 0.42 0.00	35.87 0.36 0.00	37.20 0.44 0.00	45.07 0.18 0.00	51.26 0.15 0.00	58.88 0.35 0.00	57.85 -0.06 0.00	50.19 -0.20 0.00	45.47 -0.37 0.00	40.45 -0.33 0.00
UNION___PROCESSING_DRP 323587	37.92 -0.27 0.00	35.11 -0.68 0.00	35.30 -0.57 0.00	34.10 -0.87 0.00	33.48 -0.89 0.00	32.71 -0.26 0.00	34.14 -0.10 0.00	35.61 0.00 0.00	38.45 -0.04 0.00	39.54 -0.08 0.00	42.42 -0.69 0.00	40.37 -0.41 0.00	38.89 0.00 0.00	35.17 -0.11 0.00	34.47 -0.21 0.00	35.30 -0.21 0.00	36.24 -0.51 0.00	44.35 -0.54 0.00	50.29 -0.82 0.00	57.94 -0.59 0.00	57.50 -0.41 0.00	50.29 -0.10 0.00	46.38 0.55 0.00	41.63 0.86 0.00
UPPER HUDSON___HYD 24058	39.75 1.57 0.00	37.36 1.57 0.00	37.35 1.47 0.00	36.44 1.47 0.00	35.82 1.44 0.00	34.49 1.52 0.00	35.78 1.54 0.00	37.29 1.67 0.00	40.29 1.81 0.00	41.64 2.02 0.00	45.31 2.20 0.00	42.86 2.08 0.00	40.68 1.79 0.00	36.90 1.62 0.00	36.24 1.56 0.00	37.04 1.53 0.00	38.49 1.73 0.00	47.00 2.11 0.00	53.56 2.45 0.00	61.98 3.45 0.00	60.97 3.07 0.00	52.71 2.32 0.00	47.62 1.79 0.00	42.33 1.55 0.00
UPPER RAQUET___HYD 24056	37.34 -0.84 0.00	35.08 -0.72 0.00	35.26 -0.61 0.00	34.45 -0.52 0.00	33.82 -0.55 0.00	32.05 -0.92 0.00	33.11 -1.13 0.00	34.44 -1.17 0.00	37.10 -1.38 0.00	38.03 -1.59 0.00	41.38 -1.73 0.00	38.94 -1.83 0.00	37.18 -1.71 0.00	33.65 -1.62 0.00	33.05 -1.63 0.00	33.85 -1.67 0.00	35.07 -1.69 0.00	43.28 -1.61 0.00	49.52 -1.58 0.00	57.12 -1.41 0.00	56.80 -1.10 0.00	49.64 -0.75 0.00	45.06 -0.78 0.00	40.17 -0.61 0.00
VALLEY44_115KV_TB2 355964	38.26 0.08 0.00	35.25 -0.54 0.00	35.41 -0.47 0.00	34.06 -0.91 0.00	33.52 -0.86 0.00	32.91 -0.07 0.00	34.45 0.21 0.00	36.00 0.39 0.00	38.87 0.38 0.00	39.97 0.36 0.00	42.59 -0.52 0.00	40.57 -0.20 0.00	39.40 0.51 0.00	35.59 0.32 0.00	34.85 0.17 0.00	35.55 0.04 0.00	36.46 -0.29 0.00	44.67 -0.22 0.00	50.59 -0.51 0.00	58.65 0.12 0.00	57.91 0.00 0.00	50.70 0.30 0.00	47.03 1.19 0.00	42.49 1.71 0.00
VALLEY___115KV_TB 1-4 80826	37.77 -0.42 0.00	35.51 -0.29 0.00	35.62 -0.25 0.00	34.73 -0.24 0.00	34.03 -0.34 0.00	32.61 -0.36 0.00	33.76 -0.48 0.00	35.11 -0.50 0.00	37.91 -0.58 0.00	39.02 -0.59 0.00	42.46 -0.65 0.00	40.17 -0.61 0.00	38.27 -0.62 0.00	34.71 -0.56 0.00	34.13 -0.55 0.00	34.98 -0.53 0.00	36.21 -0.55 0.00	44.31 -0.58 0.00	50.54 -0.56 0.00	58.00 -0.53 0.00	57.39 -0.52 0.00	49.94 -0.45 0.00	45.42 -0.41 0.00	40.45 -0.33 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	39.83 1.64 0.00	37.37 1.57 0.00	37.45 1.58 0.00	36.54 1.57 0.00	35.92 1.55 0.00	34.66 1.68 0.00	35.89 1.64 0.00	37.46 1.85 0.00	40.49 2.00 0.00	41.72 2.10 0.00	45.44 2.33 0.00	42.90 2.12 0.00	40.91 2.02 0.00	36.97 1.69 0.00	36.28 1.60 0.00	37.22 1.70 0.00	38.45 1.69 0.00	47.22 2.33 0.00	53.86 2.76 0.00	61.92 3.39 0.00	60.92 3.01 0.00	52.96 2.57 0.00	48.03 2.20 0.00	42.65 1.88 0.00
VISCHER___FERRY HYD 24020	38.91 0.72 0.00	36.54 0.75 0.00	36.52 0.65 0.00	35.71 0.74 0.00	35.10 0.72 0.00	33.80 0.82 0.00	35.10 0.86 0.00	36.46 0.85 0.00	39.37 0.89 0.00	40.57 0.95 0.00	44.19 1.08 0.00	41.92 1.14 0.00	39.82 0.93 0.00	36.23 0.95 0.00	35.65 0.97 0.00	36.47 0.96 0.00	37.82 1.07 0.00	45.97 1.08 0.00	52.28 1.18 0.00	60.11 1.58 0.00	59.06 1.16 0.00	51.20 0.80 0.00	46.39 0.55 0.00	41.14 0.37 0.00
V_A_10_SYNC_DSASP 323832	37.50 -0.69 0.00	34.54 -1.25 0.00	34.80 -1.08 0.00	33.50 -1.47 0.00	33.07 -1.31 0.00	32.32 -0.66 0.00	33.80 -0.45 0.00	35.22 -0.39 0.00	38.06 -0.42 0.00	39.06 -0.55 0.00	42.29 -0.82 0.00	39.76 -1.02 0.00	38.50 -0.39 0.00	34.85 -0.42 0.00	34.16 -0.52 0.00	34.84 -0.68 0.00	35.69 -1.07 0.00	43.54 -1.35 0.00	49.11 -1.99 0.00	56.65 -1.88 0.00	56.17 -1.74 0.00	49.33 -1.06 0.00	45.83 0.00 0.00	41.51 0.73 0.00
V_CMM_10_SYNC_DSASP 323787	38.19 0.00 0.00	35.83 0.04 0.00	36.02 0.14 0.00	35.15 0.18 0.00	34.51 0.14 0.00	32.75 -0.23 0.00	33.93 -0.31 0.00	35.26 -0.36 0.00	38.06 -0.42 0.00	39.10 -0.52 0.00	42.55 -0.56 0.00	40.12 -0.65 0.00	38.31 -0.58 0.00	34.68 -0.60 0.00	34.09 -0.59 0.00	34.91 -0.60 0.00	36.13 -0.63 0.00	44.31 -0.58 0.00	50.49 -0.61 0.00	58.06 -0.47 0.00	57.68 -0.23 0.00	50.34 -0.05 0.00	45.83 0.00 0.00	40.86 0.08 0.00
V_CMP_10_SYNC_DSASP 323788	38.07 -0.11 0.00	35.86 0.07 0.00	36.20 0.32 0.00	35.39 0.42 0.00	34.82 0.45 0.00	33.11 0.13 0.00	34.38 0.14 0.00	35.72 0.11 0.00	38.41 -0.08 0.00	39.18 -0.43 0.00	42.55 -0.56 0.00	39.92 -0.86 0.00	38.11 -0.78 0.00	34.43 -0.85 0.00	33.78 -0.90 0.00	34.59 -0.92 0.00	35.95 -0.81 0.00	44.40 -0.49 0.00	50.90 -0.20 0.00	58.94 0.41 0.00	59.00 1.10 0.00	51.65 1.26 0.00	47.02 1.19 0.00	42.04 1.27 0.00
V_D_10_SYNC_DSASP 323841	38.42 0.23 0.00	36.04 0.25 0.00	36.20 0.32 0.00	35.32 0.35 0.00	34.72 0.34 0.00	32.91 -0.07 0.00	34.07 -0.17 0.00	35.43 -0.18 0.00	38.22 -0.27 0.00	39.26 -0.36 0.00	42.72 -0.39 0.00	40.25 -0.53 0.00	38.46 -0.43 0.00	34.82 -0.46 0.00	34.23 -0.45 0.00	35.02 -0.50 0.00	36.24 -0.51 0.00	44.49 -0.40 0.00	50.80 -0.30 0.00	58.41 -0.12 0.00	58.08 0.17 0.00	50.70 0.30 0.00	46.16 0.32 0.00	41.14 0.37 0.00
V_E_10_SYNC_DSASP 323830	40.90 2.71 0.00	38.33 2.54 0.00	38.46 2.58 0.00	37.38 2.41 0.00	36.61 2.23 0.00	35.42 2.44 0.00	36.60 2.36 0.00	38.39 2.78 0.00	41.29 2.81 0.00	42.27 2.65 0.00	45.95 2.84 0.00	43.18 2.41 0.00	41.18 2.29 0.00	37.07 1.80 0.00	36.28 1.60 0.00	37.40 1.88 0.00	38.67 1.91 0.00	48.35 3.46 0.00	55.70 4.60 0.00	64.62 6.09 0.00	63.70 5.79 0.00	55.38 4.99 0.00	50.28 4.44 0.00	44.61 3.83 0.00
V_F_30_NSYNC___DSASP 323816	39.52 1.34 0.00	37.12 1.33 0.00	37.13 1.25 0.00	36.23 1.26 0.00	35.61 1.24 0.00	34.30 1.32 0.00	35.61 1.37 0.00	37.04 1.43 0.00	40.03 1.54 0.00	41.28 1.66 0.00	44.92 1.81 0.00	42.53 1.75 0.00	40.41 1.52 0.00	36.69 1.41 0.00	36.03 1.35 0.00	36.86 1.35 0.00	38.27 1.51 0.00	46.69 1.80 0.00	53.15 2.05 0.00	61.34 2.81 0.00	60.28 2.38 0.00	52.20 1.81 0.00	47.30 1.47 0.00	42.00 1.22 0.00



V_F_30_SYNC_DSASP 323786	38.38 0.19 0.00	36.08 0.29 0.00	36.09 0.22 0.00	35.21 0.24 0.00	34.65 0.28 0.00	33.37 0.40 0.00	34.65 0.41 0.00	35.93 0.32 0.00	38.79 0.31 0.00	40.01 0.40 0.00	43.58 0.47 0.00	41.31 0.53 0.00	39.32 0.43 0.00	35.73 0.46 0.00	35.20 0.52 0.00	35.98 0.46 0.00	37.31 0.55 0.00	45.20 0.31 0.00	51.41 0.31 0.00	59.11 0.59 0.00	58.08 0.17 0.00	50.39 0.00 0.00	45.65 -0.18 0.00	40.62 -0.16 0.00
V_XM_10_SYNC_DSASP 323789	38.07 -0.11 0.00	35.86 0.07 0.00	36.20 0.32 0.00	35.39 0.42 0.00	34.82 0.45 0.00	33.11 0.13 0.00	34.38 0.14 0.00	35.72 0.11 0.00	38.41 -0.08 0.00	39.18 -0.43 0.00	42.55 -0.56 0.00	39.92 -0.86 0.00	38.11 -0.78 0.00	34.43 -0.85 0.00	33.78 -0.90 0.00	34.59 -0.92 0.00	35.95 -0.81 0.00	44.40 -0.49 0.00	50.90 -0.20 0.00	58.94 0.41 0.00	59.00 1.10 0.00	51.65 1.26 0.00	47.02 1.19 0.00	42.04 1.27 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	39.18 0.99 0.00	36.83 1.04 0.00	36.70 0.83 0.00	35.81 0.84 0.00	35.20 0.83 0.00	34.10 1.12 0.00	35.44 1.20 0.00	36.79 1.18 0.00	39.91 1.42 0.00	41.16 1.55 0.00	44.96 1.85 0.00	42.57 1.79 0.00	40.52 1.63 0.00	36.86 1.59 0.00	36.31 1.63 0.00	37.18 1.67 0.00	38.60 1.84 0.00	46.87 1.98 0.00	53.25 2.15 0.00	60.99 2.46 0.00	59.88 1.97 0.00	51.80 1.41 0.00	46.93 1.10 0.00	41.55 0.77 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	39.52 1.34 0.00	37.15 1.36 0.00	36.99 1.11 0.00	36.05 1.08 0.00	35.48 1.10 0.00	34.43 1.45 0.00	35.78 1.54 0.00	37.18 1.57 0.00	40.33 1.85 0.00	41.64 2.02 0.00	45.48 2.37 0.00	43.14 2.37 0.00	41.03 2.14 0.00	37.36 2.08 0.00	36.80 2.12 0.00	37.72 2.20 0.00	39.11 2.35 0.00	47.45 2.56 0.00	53.91 2.81 0.00	61.69 3.16 0.00	60.40 2.49 0.00	52.26 1.86 0.00	47.30 1.47 0.00	41.80 1.02 0.00
W50THST__13_KV_LOAD 356117	39.67 1.49 0.00	37.29 1.50 0.00	37.13 1.26 0.00	36.16 1.19 0.00	35.61 1.24 0.00	34.56 1.58 0.00	35.92 1.68 0.00	37.32 1.71 0.00	40.52 2.04 0.00	41.84 2.22 0.00	45.70 2.59 0.00	43.35 2.57 0.00	41.22 2.33 0.00	37.50 2.22 0.00	36.93 2.25 0.00	37.86 2.34 0.00	39.26 2.50 0.00	47.67 2.78 0.00	54.17 3.07 0.00	61.98 3.45 0.00	60.69 2.78 0.00	52.46 2.07 0.00	47.48 1.65 0.00	41.96 1.18 0.00
WADING RIVER_IC_1 23522	38.72 0.53 0.00	36.36 0.57 0.00	35.98 0.11 0.00	35.15 0.18 0.00	34.45 0.07 0.00	33.63 0.66 0.00	35.03 0.79 0.00	36.64 1.03 0.00	39.45 0.96 0.00	40.97 1.35 0.00	44.32 1.21 -0.01	42.21 1.43 -0.01	41.68 1.24 -1.54	40.26 1.37 -3.61	39.73 1.80 -3.25	38.55 1.70 -1.33	45.43 1.80 -6.88	52.57 1.97 -5.71	53.54 2.20 -0.24	60.76 2.22 -0.01	59.53 1.62 -0.01	51.78 1.36 -0.02	46.81 0.96 -0.01	40.90 0.12 0.00
WADING RIVER_IC_2 23547	38.72 0.53 0.00	36.36 0.57 0.00	35.98 0.11 0.00	35.15 0.18 0.00	34.45 0.07 0.00	33.63 0.66 0.00	35.03 0.79 0.00	36.64 1.03 0.00	39.45 0.96 0.00	40.97 1.35 0.00	44.32 1.21 -0.01	42.21 1.43 -0.01	41.68 1.24 -1.54	40.26 1.37 -3.61	39.73 1.80 -3.25	38.55 1.70 -1.33	45.43 1.80 -6.88	52.57 1.97 -5.71	53.54 2.20 -0.24	60.76 2.22 -0.01	59.53 1.62 -0.01	51.78 1.36 -0.02	46.81 0.96 -0.01	40.90 0.12 0.00
WADING RIVER_IC_3 23601	38.72 0.53 0.00	36.36 0.57 0.00	35.98 0.11 0.00	35.15 0.18 0.00	34.45 0.07 0.00	33.63 0.66 0.00	35.03 0.79 0.00	36.64 1.03 0.00	39.45 0.96 0.00	40.97 1.35 0.00	44.32 1.21 -0.01	42.21 1.43 -0.01	41.68 1.24 -1.54	40.26 1.37 -3.61	39.73 1.80 -3.25	38.55 1.70 -1.33	45.43 1.80 -6.88	52.57 1.97 -5.71	53.54 2.20 -0.24	60.76 2.22 -0.01	59.53 1.62 -0.01	51.78 1.36 -0.02	46.81 0.96 -0.01	40.90 0.12 0.00
WALDENNY_12_KV_BK2 80841	38.26 0.08 0.00	35.11 -0.68 0.00	35.37 -0.50 0.00	33.92 -1.05 0.00	33.38 -1.00 0.00	32.88 -0.10 0.00	34.41 0.17 0.00	35.90 0.28 0.00	38.68 0.19 0.00	39.78 0.16 0.00	42.25 -0.86 0.00	40.41 -0.37 0.00	39.40 0.51 0.00	35.59 0.32 0.00	34.82 0.14 0.00	35.55 0.04 0.00	36.21 -0.55 0.00	44.31 -0.58 0.00	49.88 -1.23 0.00	57.83 -0.70 0.00	57.21 -0.69 0.00	50.29 -0.10 0.00	46.98 1.15 0.00	42.69 1.92 0.00
WALDEN__HYDRO 24148	39.06 0.88 0.00	36.69 0.89 0.00	36.59 0.72 0.00	35.70 0.73 0.00	35.13 0.76 0.00	33.96 0.99 0.00	35.30 1.06 0.00	36.61 1.00 0.00	39.72 1.23 0.00	40.97 1.35 0.00	44.75 1.64 0.00	42.33 1.55 0.00	40.25 1.36 0.00	36.58 1.31 0.00	36.07 1.39 0.00	36.94 1.42 0.00	38.34 1.58 0.00	46.60 1.71 0.00	52.99 1.89 0.00	60.75 2.22 0.00	59.64 1.74 0.00	51.60 1.21 0.00	46.80 0.96 0.00	41.47 0.69 0.00
WARRENSBURG____ 23737	39.75 1.57 0.00	37.37 1.57 0.00	37.35 1.47 0.00	36.44 1.47 0.00	35.82 1.44 0.00	34.49 1.52 0.00	35.78 1.54 0.00	37.29 1.67 0.00	40.29 1.81 0.00	41.64 2.02 0.00	45.39 2.28 0.00	42.86 2.08 0.00	40.68 1.79 0.00	36.86 1.59 0.00	36.24 1.56 0.00	37.04 1.53 0.00	38.49 1.73 0.00	47.00 2.11 0.00	53.56 2.45 0.00	61.98 3.45 0.00	60.98 3.07 0.00	52.71 2.32 0.00	47.67 1.83 0.00	42.37 1.59 0.00
WATERSIDE____6 8 9 23538	37.20 1.37 2.36	34.53 1.43 2.70	34.32 1.18 2.74	33.67 1.12 2.42	32.77 1.17 2.78	34.07 1.52 0.42	33.06 1.61 2.80	34.51 1.60 2.70	38.04 1.92 2.36	39.39 2.06 2.29	43.60 2.37 1.88	40.99 2.41 2.19	38.58 2.18 2.49	34.63 2.15 2.79	34.00 2.18 2.87	35.27 2.24 2.48	36.58 2.39 2.57	45.66 2.60 1.83	52.88 2.81 1.03	56.34 3.04 5.24	54.92 2.43 5.42	51.12 1.86 1.14	45.55 1.47 1.75	39.76 1.06 2.08
WATKINRD_115KV_LN8_ILLION 55919	37.96 -0.23 0.00	35.61 -0.18 0.00	35.73 -0.14 0.00	34.83 -0.14 0.00	34.17 -0.21 0.00	32.78 -0.20 0.00	34.00 -0.24 0.00	35.36 -0.25 0.00	38.18 -0.31 0.00	39.26 -0.36 0.00	42.76 -0.34 0.00	40.45 -0.33 0.00	38.58 -0.31 0.00	34.96 -0.32 0.00	34.37 -0.31 0.00	35.23 -0.28 0.00	36.46 -0.29 0.00	44.62 -0.27 0.00	50.85 -0.26 0.00	58.35 -0.18 0.00	57.67 -0.23 0.00	50.19 -0.20 0.00	45.61 -0.23 0.00	40.57 -0.20 0.00
WATSON__69_KV_BK 1 55734	39.87 1.68 0.00	37.40 1.61 0.00	37.17 1.29 0.00	36.44 1.47 0.00	35.72 1.34 0.00	34.59 1.62 0.00	36.02 1.78 0.00	37.64 2.03 0.00	40.64 2.16 0.00	42.11 2.50 0.00	45.96 2.85 -0.01	43.52 2.73 -0.01	42.99 2.49 -1.61	41.48 2.43 -3.77	40.64 2.57 -3.39	39.54 2.63 -1.39	46.77 2.83 -7.18	54.04 3.19 -5.96	54.94 3.58 -0.26	62.40 3.86 -0.01	61.16 3.24 -0.01	53.19 2.77 -0.03	48.14 2.29 -0.01	42.45 1.67 0.00
WDELAWARE__HYD 323627	38.83 0.65 0.00	36.47 0.68 0.00	36.38 0.50 0.00	35.53 0.56 0.00	34.89 0.52 0.00	33.77 0.79 0.00	35.06 0.82 0.00	36.36 0.75 0.00	39.45 0.96 0.00	40.65 1.03 0.00	44.31 1.21 0.00	41.96 1.18 0.00	39.90 1.01 0.00	36.19 0.92 0.00	35.69 1.01 0.00	36.58 1.06 0.00	37.93 1.18 0.00	46.24 1.35 0.00	52.69 1.59 0.00	60.46 1.93 0.00	59.47 1.56 0.00	51.40 1.01 0.00	46.61 0.78 0.00	41.35 0.57 0.00



WEST BABYLON___IC 23714	39.98 1.79 0.00	37.47 1.68 0.00	37.24 1.36 0.00	36.47 1.50 0.00	35.79 1.41 0.00	34.66 1.68 0.00	36.09 1.85 0.00	37.71 2.10 0.00	40.75 2.27 0.00	42.19 2.58 0.00	46.05 2.93 -0.01	43.60 2.81 -0.01	43.21 2.57 -1.76	41.89 2.50 -4.10	40.98 2.60 -3.70	39.73 2.70 -1.52	47.45 2.87 -7.82	54.66 3.28 -6.49	55.01 3.63 -0.28	62.52 3.98 -0.01	61.33 3.42 -0.01	53.29 2.87 -0.03	48.23 2.38 -0.01	42.57 1.79 0.00
WEST CANADA___HYD 24049	38.19 0.00 0.00	35.83 0.04 0.00	35.91 0.04 0.00	35.00 0.04 0.00	34.41 0.03 0.00	33.07 0.10 0.00	34.31 0.07 0.00	35.68 0.07 0.00	38.56 0.08 0.00	39.70 0.08 0.00	43.20 0.09 0.00	40.90 0.12 0.00	38.97 0.08 0.00	35.35 0.07 0.00	34.78 0.10 0.00	35.62 0.11 0.00	36.87 0.11 0.00	45.03 0.14 0.00	51.31 0.21 0.00	58.82 0.29 0.00	58.02 0.12 0.00	50.49 0.10 0.00	45.88 0.05 0.00	40.78 0.00 0.00
WESTERN_NY_WIND 24143	38.49 0.31 0.00	35.47 -0.32 0.00	35.73 -0.14 0.00	34.34 -0.63 0.00	33.72 -0.65 0.00	33.17 0.20 0.00	34.69 0.45 0.00	36.15 0.53 0.00	38.95 0.46 0.00	39.94 0.32 0.00	42.55 -0.56 0.00	40.53 -0.24 0.00	39.24 0.35 0.00	35.42 0.14 0.00	34.68 0.00 0.00	35.51 0.00 0.00	36.35 -0.40 0.00	44.62 -0.27 0.00	50.54 -0.56 0.00	58.47 -0.06 0.00	58.25 0.35 0.00	51.05 0.66 0.00	47.39 1.56 0.00	42.74 1.96 0.00
WESTOVER___LESR 323668	38.49 0.31 0.00	35.90 0.11 0.00	35.98 0.11 0.00	34.97 0.00 0.00	34.34 -0.03 0.00	33.24 0.26 0.00	34.65 0.41 0.00	36.15 0.53 0.00	39.06 0.58 0.00	40.21 0.59 0.00	43.50 0.39 0.00	41.23 0.45 0.00	39.47 0.58 0.00	35.77 0.49 0.00	35.10 0.42 0.00	35.94 0.43 0.00	37.13 0.37 0.00	45.47 0.58 0.00	51.72 0.61 0.00	59.52 0.99 0.00	58.72 0.81 0.00	51.10 0.71 0.00	46.71 0.87 0.00	41.68 0.90 0.00
WETHRSFD_WT_PWR 323626	37.92 -0.27 0.00	34.93 -0.86 0.00	35.16 -0.72 0.00	33.78 -1.19 0.00	33.27 -1.10 0.00	32.45 -0.53 0.00	34.00 -0.24 0.00	35.54 -0.07 0.00	38.41 -0.08 0.00	39.46 -0.16 0.00	42.64 -0.47 0.00	40.00 -0.78 0.00	38.62 -0.27 0.00	34.89 -0.39 0.00	34.09 -0.59 0.00	34.88 -0.64 0.00	35.95 -0.81 0.00	44.13 -0.76 0.00	50.03 -1.08 0.00	57.89 -0.64 0.00	57.21 -0.69 0.00	50.19 -0.20 0.00	46.52 0.69 0.00	42.00 1.22 0.00
WHAVSTOR_138KV_BK127 55557	39.06 0.88 0.00	36.72 0.93 0.00	36.59 0.72 0.00	35.70 0.73 0.00	35.13 0.76 0.00	34.03 1.06 0.00	35.34 1.10 0.00	36.68 1.07 0.00	39.79 1.31 0.00	41.04 1.43 0.00	44.83 1.72 0.00	42.49 1.71 0.00	40.41 1.52 0.00	36.76 1.48 0.00	36.24 1.56 0.00	37.08 1.56 0.00	38.49 1.73 0.00	46.73 1.84 0.00	53.10 1.99 0.00	60.81 2.28 0.00	59.64 1.74 0.00	51.65 1.26 0.00	46.80 0.96 0.00	41.39 0.61 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	39.06 0.88 0.00	36.72 0.93 0.00	36.59 0.72 0.00	35.70 0.73 0.00	35.13 0.76 0.00	34.03 1.06 0.00	35.34 1.10 0.00	36.68 1.07 0.00	39.79 1.31 0.00	41.04 1.43 0.00	44.83 1.72 0.00	42.49 1.71 0.00	40.41 1.52 0.00	36.76 1.48 0.00	36.24 1.56 0.00	37.08 1.56 0.00	38.49 1.73 0.00	46.73 1.84 0.00	53.10 1.99 0.00	60.81 2.28 0.00	59.64 1.74 0.00	51.65 1.26 0.00	46.80 0.96 0.00	41.39 0.61 0.00
WHITEHAL_115KV_TB1 80871	40.21 2.02 0.00	37.76 1.97 0.00	37.74 1.87 0.00	36.79 1.82 0.00	36.20 1.82 0.00	34.85 1.88 0.00	36.16 1.92 0.00	37.68 2.07 0.00	40.72 2.23 0.00	42.07 2.46 0.00	45.82 2.72 0.00	43.22 2.45 0.00	40.99 2.10 0.00	37.15 1.87 0.00	36.48 1.80 0.00	37.29 1.78 0.00	38.82 2.06 0.00	47.49 2.60 0.00	54.17 3.07 0.00	62.92 4.39 0.00	61.96 4.05 0.00	53.42 3.02 0.00	48.22 2.38 0.00	42.90 2.12 0.00
WHITEPLN_13_KV_LOAD 356215	39.67 1.49 0.00	37.29 1.50 0.00	37.13 1.26 0.00	36.19 1.22 0.00	35.65 1.27 0.00	34.56 1.58 0.00	35.85 1.61 0.00	37.25 1.64 0.00	40.41 1.92 0.00	41.76 2.14 0.00	45.61 2.50 0.00	43.18 2.41 0.00	41.07 2.18 0.00	37.36 2.08 0.00	36.87 2.18 0.00	37.72 2.20 0.00	39.18 2.43 0.00	47.63 2.74 0.00	54.12 3.02 0.00	61.92 3.39 0.00	60.74 2.84 0.00	52.51 2.12 0.00	47.53 1.70 0.00	42.00 1.22 0.00
WM_FLOYD_69_KV_BK2 356380	39.14 0.95 0.00	36.76 0.97 0.00	36.52 0.65 0.00	35.95 0.98 0.00	35.10 0.72 0.00	34.00 1.02 0.00	35.41 1.16 0.00	37.00 1.39 0.00	39.87 1.39 0.00	41.36 1.74 0.00	45.06 1.94 -0.01	42.66 1.88 -0.01	42.11 1.67 -1.55	40.66 1.76 -3.62	39.98 2.05 -3.26	38.88 2.02 -1.34	45.82 2.17 -6.90	53.04 2.42 -5.72	54.06 2.71 -0.25	61.35 2.81 -0.01	60.12 2.20 -0.01	52.28 1.86 -0.03	47.31 1.47 -0.01	41.72 0.94 0.00
WOODARD___115KV_TB2 355635	38.07 -0.11 0.00	35.54 -0.25 0.00	35.66 -0.22 0.00	34.66 -0.31 0.00	34.07 -0.31 0.00	32.88 -0.10 0.00	34.21 -0.03 0.00	35.65 0.04 0.00	38.56 0.08 0.00	39.74 0.12 0.00	43.15 0.04 0.00	40.86 0.08 0.00	39.05 0.16 0.00	35.38 0.11 0.00	34.72 0.03 0.00	35.59 0.07 0.00	36.76 0.00 0.00	44.98 0.09 0.00	51.21 0.10 0.00	58.82 0.29 0.00	58.08 0.17 0.00	50.54 0.15 0.00	46.06 0.23 0.00	40.98 0.20 0.00
YORK___WARBASSE 23770	56.44 1.72 -16.54	56.39 1.72 -18.88	56.53 1.47 -19.19	53.33 1.40 -16.96	55.27 1.44 -19.45	37.69 1.78 -2.94	55.70 1.88 -19.58	56.42 1.89 -18.92	57.23 2.19 -16.55	58.03 2.38 -16.03	58.99 2.72 -13.16	58.84 2.69 -15.37	58.82 2.49 -17.44	57.28 2.43 -19.57	57.24 2.46 -20.09	55.40 2.52 -17.36	57.41 2.68 -17.97	60.63 2.92 -12.82	61.56 3.22 -7.24	98.71 3.51 -36.67	98.77 2.90 -37.97	60.62 2.27 -7.96	60.00 1.88 -12.29	56.78 1.43 -14.57