

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

05/31/2023

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1	19.75	17.65	16.81	16.37	16.95	18.83	22.49	24.30	24.35	24.35	24.40	24.40	25.56	28.83	30.71	31.81	34.89	44.10	45.60	40.59	36.01	32.19	28.61	24.51
24138	1.08	1.20	1.18	1.14	1.15	1.27	1.65	1.86	1.89	1.82	1.87	1.79	1.78	1.96	2.25	2.55	2.59	3.67	3.53	2.97	2.37	2.25	1.87	1.48
	0.00	0.00	-0.15	-0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.82	-0.03	-0.03	-2.85	-1.44	0.00	0.00
74TH STREET_GT_1	19.73	17.65	16.81	16.38	16.95	18.81	22.47	24.21	24.33	24.35	24.31	24.31	25.51	28.88	30.86	31.76	35.02	44.13	45.73	40.66	36.10	32.27	28.72	24.46
24260	1.06	1.20	1.18	1.14	1.15	1.25	1.63	1.77	1.86	1.82	1.78	1.70	1.74	2.01	2.39	2.49	2.71	3.71	3.66	3.04	2.46	2.34	1.98	1.43
	0.00	0.00	-0.15	-0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.82	-0.03	-0.03	-2.85	-1.44	0.00	0.00
74TH STREET_GT_2	19.73	17.65	16.81	16.38	16.95	18.81	22.47	24.21	24.33	24.35	24.31	24.31	25.51	28.88	30.86	31.76	35.02	44.13	45.73	40.66	36.10	32.27	28.72	24.46
24261	1.06	1.20	1.18	1.14	1.15	1.25	1.63	1.77	1.86	1.82	1.78	1.70	1.74	2.01	2.39	2.49	2.71	3.71	3.66	3.04	2.46	2.34	1.98	1.43
	0.00	0.00	-0.15	-0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.82	-0.03	-0.03	-2.85	-1.44	0.00	0.00
ADK HUDSON___FALLS	19.94	17.73	16.91	16.48	17.03	18.91	22.56	24.21	24.28	24.20	24.13	24.22	25.60	28.50	30.20	31.02	34.54	47.29	45.95	41.13	41.90	35.11	28.58	24.94
24011	1.27	1.28	1.22	1.19	1.23	1.35	1.71	1.77	1.82	1.67	1.60	1.61	1.83	1.64	1.74	1.76	2.23	3.36	3.83	3.46	2.77	2.39	1.84	1.91
	0.00	0.00	-0.20	-0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.32	-0.09	-0.09	-8.34	-4.22	0.00	0.00
ADK RESOURCE___RCVRY	20.07	17.83	16.99	16.56	17.13	19.02	22.70	24.39	24.48	24.38	24.33	24.42	25.82	28.72	30.32	31.26	34.76	47.69	46.42	41.62	42.27	35.38	29.38	25.13
23798	1.40	1.38	1.30	1.26	1.33	1.46	1.85	1.95	2.02	1.85	1.80	1.81	2.04	1.85	1.85	1.99	2.45	3.74	4.29	3.95	3.11	2.65	2.65	2.10
	0.00	0.00	-0.20	-0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.34	-0.09	-0.09	-8.37	-4.24	0.00	0.00
ADK S GLENS___FALLS	19.94	17.73	16.91	16.48	17.03	18.91	22.56	24.21	24.28	24.20	24.13	24.22	25.60	28.50	30.20	31.02	34.54	47.29	45.95	41.13	41.90	35.11	28.58	24.94
24028	1.27	1.28	1.22	1.19	1.23	1.35	1.71	1.77	1.82	1.67	1.60	1.61	1.83	1.64	1.74	1.76	2.23	3.36	3.83	3.46	2.77	2.39	1.84	1.91
	0.00	0.00	-0.20	-0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.32	-0.09	-0.09	-8.34	-4.22	0.00	0.00
ADK_NYS___DAM	19.49	17.47	16.70	16.28	16.82	18.67	22.20	23.83	23.81	23.68	23.77	23.83	25.01	28.26	29.95	30.94	34.18	45.40	44.68	40.07	39.49	33.74	28.21	24.23
23527	0.82	1.02	1.02	0.99	1.03	1.11	1.35	1.39	1.35	1.15	1.24	1.22	1.24	1.40	1.48	1.67	1.87	2.47	2.56	2.41	1.94	1.83	1.47	1.20
	0.00	0.00	-0.19	-0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.31	-0.07	-0.07	-6.77	-3.42	0.00	0.00
AIR_PRODUCTS___DRP	18.84	16.86	16.11	15.71	16.22	17.93	21.28	22.82	22.87	22.82	22.84	22.93	24.13	27.29	29.06	29.94	33.15	43.37	43.24	38.70	37.33	32.15	27.22	23.36
24190	0.17	0.41	0.43	0.42	0.43	0.37	0.44	0.38	0.40	0.29	0.32	0.32	0.36	0.43	0.60	0.67	0.84	1.12	1.14	1.05	0.83	0.77	0.48	0.32
	0.00	0.00	-0.20	-0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.64	-0.06	-0.06	-5.71	-2.89	0.00	0.00
AKWESSNE_115KV_BK	18.20	15.94	14.99	14.58	15.29	16.93	20.08	21.72	21.77	21.85	21.85	21.96	23.08	26.06	27.47	28.19	30.79	36.72	40.15	35.59	29.58	27.67	26.18	22.53
355683	-0.47	-0.51	-0.50	-0.47	-0.51	-0.63	-0.77	-0.72	-0.70	-0.68	-0.68	-0.66	-0.69	-0.81	-1.00	-1.08	-1.52	-1.89	-1.89	-1.99	-1.20	-0.83	-0.56	-0.51
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	18.84	16.86	16.11	15.71	16.22	17.93	21.28	22.82	22.87	22.82	22.84	22.93	24.13	27.29	29.06	29.94	33.15	43.37	43.24	38.70	37.33	32.15	27.22	23.36
23571	0.17	0.41	0.43	0.42	0.43	0.37	0.44	0.38	0.40	0.29	0.32	0.32	0.36	0.43	0.60	0.67	0.84	1.12	1.14	1.05	0.83	0.77	0.48	0.32
	0.00	0.00	-0.20	-0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.64	-0.06	-0.06	-5.71	-2.89	0.00	0.00
ALBANY___2	18.84	16.86	16.11	15.71	16.22	17.93	21.28	22.82	22.87	22.82	22.84	22.93	24.13	27.29	29.06	29.94	33.15	43.37	43.24	38.70	37.33	32.15	27.22	23.36
23572	0.17	0.41	0.43	0.42	0.43	0.37	0.44	0.38	0.40	0.29	0.32	0.32	0.36	0.43	0.60	0.67	0.84	1.12	1.14	1.05	0.83	0.77	0.48	0.32
	0.00	0.00	-0.20	-0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.64	-0.06	-0.06	-5.71	-2.89	0.00	0.00
ALBANY___3	18.84	16.86	16.11	15.71	16.22	17.93	21.28	22.82	22.87	22.82	22.84	22.93	24.13	27.29	29.06	29.94	33.15	43.37	43.24	38.70	37.33	32.15	27.22	23.36
23573	0.17	0.41	0.43	0.42	0.43	0.37	0.44	0.38	0.40	0.29	0.32	0.32	0.36	0.43	0.60	0.67	0.84	1.12	1.14	1.05	0.83	0.77	0.48	0.32
	0.00	0.00	-0.20	-0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.64	-0.06	-0.06	-5.71	-2.89	0.00	0.00



ALBANY___4 23574	18.84 0.17 0.00	16.86 0.41 0.00	16.11 0.43 -0.20	15.71 0.42 -0.24	16.22 0.43 0.00	17.93 0.37 0.00	21.28 0.44 0.00	22.82 0.38 0.00	22.87 0.40 0.00	22.82 0.29 0.00	22.84 0.32 0.00	22.93 0.32 0.00	24.13 0.36 0.00	27.29 0.43 0.00	29.06 0.60 0.00	29.94 0.67 0.00	33.15 0.84 0.00	43.37 1.12 -3.64	43.24 1.14 -0.06	38.70 1.05 -0.06	37.33 0.83 -5.71	32.15 0.77 -2.89	27.22 0.48 0.00	23.36 0.32 0.00
ALBANY___LFGE 323615	19.02 0.35 0.00	17.01 0.56 0.00	16.26 0.57 -0.20	15.86 0.57 -0.24	16.37 0.57 0.00	18.09 0.53 0.00	21.49 0.65 0.00	23.07 0.63 0.00	23.11 0.65 0.00	23.07 0.54 0.00	23.11 0.58 0.00	23.20 0.59 0.00	24.42 0.64 0.00	27.62 0.75 0.00	29.32 0.85 0.00	30.32 1.05 0.00	33.50 1.20 0.00	44.35 1.62 -4.12	43.75 1.64 -0.07	39.20 1.54 -0.07	38.45 1.20 -6.47	32.85 1.08 -3.27	27.51 0.78 0.00	23.63 0.60 0.00
ALCOA_PA_115KV_PL-6C 55860	18.26 -0.41 0.00	16.04 -0.41 0.00	15.08 -0.40 0.00	14.67 -0.38 0.00	15.40 -0.39 0.00	17.04 -0.53 0.00	20.20 -0.65 0.00	21.88 -0.56 0.00	21.92 -0.54 0.00	21.99 -0.54 0.00	21.99 -0.54 0.00	22.07 -0.54 0.00	23.23 -0.55 0.00	26.19 -0.67 0.00	27.56 -0.91 0.00	28.27 -1.00 0.00	30.60 -1.71 0.00	36.52 -2.08 0.00	39.94 -2.10 0.00	35.33 -2.26 0.00	29.43 -1.35 0.00	27.81 -0.68 0.00	26.34 -0.40 0.00	22.66 -0.37 0.00
ALCOA_RYNLDS___DRP 24188	18.26 -0.41 0.00	16.04 -0.41 0.00	15.08 -0.40 0.00	14.67 -0.38 0.00	15.40 -0.39 0.00	17.04 -0.53 0.00	20.20 -0.65 0.00	21.88 -0.56 0.00	21.92 -0.54 0.00	21.99 -0.54 0.00	21.99 -0.54 0.00	22.07 -0.54 0.00	23.23 -0.55 0.00	26.19 -0.67 0.00	27.56 -0.91 0.00	28.27 -1.00 0.00	30.60 -1.71 0.00	36.52 -2.08 0.00	39.94 -2.10 0.00	35.33 -2.26 0.00	29.43 -1.35 0.00	27.81 -0.68 0.00	26.34 -0.40 0.00	22.66 -0.37 0.00
ALCOA___DSASP 323711	18.26 -0.41 0.00	16.04 -0.41 0.00	15.08 -0.40 0.00	14.67 -0.38 0.00	15.40 -0.39 0.00	17.04 -0.53 0.00	20.20 -0.65 0.00	21.88 -0.56 0.00	21.92 -0.54 0.00	21.99 -0.54 0.00	21.99 -0.54 0.00	22.07 -0.54 0.00	23.23 -0.55 0.00	26.19 -0.67 0.00	27.58 -0.88 0.00	28.27 -1.00 0.00	30.60 -1.71 0.00	36.49 -2.12 0.00	39.94 -2.10 0.00	35.36 -2.22 0.00	29.62 -1.17 0.00	27.84 -0.65 0.00	26.34 -0.40 0.00	22.69 -0.34 0.00
ALLEGHENY___COGEN 23514	19.83 1.16 0.00	17.38 0.94 0.00	16.15 0.64 -0.03	15.64 0.56 -0.03	16.48 0.68 0.00	18.63 1.07 0.00	21.79 0.94 0.00	23.65 1.21 0.00	23.56 1.10 0.00	23.86 1.33 0.00	23.79 1.26 0.00	23.92 1.31 0.00	24.89 1.12 0.00	28.10 1.24 0.00	30.06 1.59 0.00	30.20 0.94 0.00	34.12 1.81 0.00	41.29 2.36 -0.32	45.62 3.57 -0.01	41.43 3.84 -0.01	33.87 2.59 -0.50	30.49 1.74 -0.25	28.98 2.25 0.00	25.24 2.21 0.00
ALTAMONT_115KV_TB 2 55880	19.12 0.45 0.00	17.02 0.58 0.00	16.27 0.59 -0.20	15.86 0.57 -0.24	16.38 0.58 0.00	18.14 0.58 0.00	21.56 0.71 0.00	23.07 0.63 0.00	23.09 0.63 0.00	23.07 0.54 0.00	23.07 0.54 0.00	23.15 0.54 0.00	24.34 0.57 0.00	27.54 0.67 0.00	29.29 0.83 0.00	30.18 0.91 0.00	33.37 1.07 0.00	43.44 1.54 -3.29	43.73 1.64 -0.06	39.15 1.50 -0.06	37.15 1.20 -5.16	32.22 1.11 -2.61	27.57 0.83 0.00	23.68 0.64 0.00
ALTONA_WT_PWR 323606	18.50 -0.17 0.00	16.20 -0.25 0.00	15.22 -0.26 0.00	14.79 -0.26 0.00	15.51 -0.28 0.00	17.19 -0.37 0.00	20.56 -0.29 0.00	22.39 -0.04 0.00	22.44 -0.02 0.00	22.62 0.09 0.00	22.69 0.16 0.00	22.79 0.18 0.00	24.01 0.24 0.00	27.08 0.21 0.00	28.61 0.14 0.00	29.39 0.12 0.00	32.24 -0.06 0.00	38.42 -0.19 0.00	42.21 0.17 0.00	37.28 -0.30 0.00	31.00 0.22 0.00	28.81 0.31 0.00	27.16 0.43 0.00	23.36 0.32 0.00
AMERICAN_REF_FUEL 24010	18.65 -0.02 0.00	16.40 -0.05 0.00	15.12 -0.39 -0.03	14.56 -0.51 -0.03	15.31 -0.49 0.00	17.39 -0.18 0.00	19.99 -0.86 0.00	21.68 -0.76 0.00	21.99 -0.47 0.00	22.30 -0.23 0.00	22.39 -0.13 0.00	22.61 0.00 0.00	23.87 0.10 0.00	27.03 0.16 0.00	28.86 0.40 0.00	29.68 0.41 0.00	33.25 0.94 0.00	39.55 0.66 -0.29	43.35 1.30 0.00	39.17 1.58 0.00	31.73 0.49 -0.45	28.49 -0.23 0.00	26.55 -0.19 0.00	23.49 0.46 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	19.58 0.91 0.00	17.04 0.59 0.00	15.58 0.06 -0.03	15.14 0.06 -0.04	15.96 0.16 0.00	18.09 0.53 0.00	21.16 0.31 0.00	23.34 0.90 0.00	23.81 1.35 0.00	24.38 1.85 0.00	24.31 1.78 0.00	24.53 1.92 0.00	25.96 2.19 0.00	29.50 2.63 0.00	31.43 2.96 0.00	32.40 3.13 0.00	36.35 4.04 0.00	43.35 4.40 -0.34	47.21 5.17 -0.01	42.78 5.19 -0.01	34.42 3.11 -0.53	30.84 2.08 -0.27	28.50 1.76 0.00	24.94 1.91 0.00
ARTHUR_KILL_GT_1 23520	19.83 1.16 0.00	17.70 1.25 0.00	16.86 1.22 -0.15	16.39 1.16 -0.19	16.98 1.19 0.00	18.74 1.18 0.00	22.35 1.50 0.00	23.82 1.39 0.01	23.89 1.44 0.01	23.90 1.37 0.01	23.94 1.42 0.01	23.89 1.29 0.01	25.05 1.28 0.01	28.50 1.64 0.00	30.17 1.71 0.01	31.31 2.05 0.01	34.24 1.94 0.01	43.47 3.05 -1.81	45.22 3.15 -0.02	39.90 2.29 -0.02	35.48 1.85 -2.84	31.93 1.99 -1.44	28.56 1.82 0.00	24.53 1.50 0.00
ARTHUR_KILL_2 23512	19.79 1.12 0.00	17.66 1.22 0.00	16.83 1.19 -0.15	16.36 1.13 -0.19	16.95 1.15 0.00	18.70 1.14 0.00	22.31 1.46 0.00	23.75 1.32 0.01	23.82 1.37 0.01	23.85 1.33 0.01	23.90 1.37 0.01	23.85 1.24 0.01	25.00 1.24 0.01	28.42 1.56 0.00	30.08 1.62 0.01	31.22 1.96 0.01	34.14 1.84 0.01	43.32 2.90 -1.81	45.05 2.99 -0.02	39.79 2.18 -0.02	35.38 1.75 -2.84	31.85 1.91 -1.44	28.50 1.76 0.00	24.46 1.43 0.00
ARTHUR_KILL_3 23513	19.60 0.93 0.00	17.50 1.05 0.00	16.69 1.05 -0.15	16.26 1.02 -0.19	16.82 1.03 0.00	18.67 1.11 0.00	22.33 1.48 0.00	24.08 1.64 0.00	24.10 1.64 0.00	24.11 1.58 0.00	24.11 1.58 0.00	24.10 1.49 0.00	25.22 1.45 0.00	28.50 1.64 0.00	30.32 1.85 0.00	31.40 2.14 0.00	34.38 2.07 0.00	43.48 3.05 -1.82	44.93 2.86 -0.03	39.99 2.37 -0.03	35.55 1.91 -2.85	31.82 1.88 -1.44	28.29 1.55 0.00	24.23 1.20 0.00
ARTHUR_KILL_COGEN 323718	19.83 1.16 0.00	17.70 1.25 0.00	16.86 1.22 -0.15	16.39 1.16 -0.19	16.98 1.19 0.00	18.74 1.18 0.00	22.35 1.50 0.00	23.82 1.39 0.01	23.89 1.44 0.01	23.90 1.37 0.01	23.94 1.42 0.01	23.89 1.29 0.01	25.05 1.28 0.01	28.50 1.64 0.00	30.17 1.71 0.01	31.31 2.05 0.01	34.24 1.94 0.01	43.47 3.05 -1.81	45.22 3.15 -0.02	39.90 2.29 -0.02	35.48 1.85 -2.84	31.93 1.99 -1.44	28.56 1.82 0.00	24.53 1.50 0.00
ASHOKAN____ 23654	19.34 0.67 0.00	17.24 0.79 0.00	15.90 0.25 -0.17	15.66 0.41 -0.21	16.59 0.79 0.00	18.32 0.75 0.00	21.83 0.98 0.00	23.38 0.94 0.00	23.34 0.88 0.00	23.23 0.70 0.00	23.25 0.72 0.00	23.22 0.61 0.00	24.39 0.62 0.00	27.51 0.64 0.00	29.29 0.83 0.00	30.44 1.17 0.00	33.76 1.46 0.00	42.76 1.55 -2.61	44.23 2.14 -0.04	38.91 1.28 -0.04	35.83 0.96 -4.09	31.56 1.00 -2.07	27.97 1.23 0.00	24.16 1.13 0.00



ASTORIA_EAST_ENERGY_CC1 323581	19.70 1.03 0.00	17.60 1.15 0.00	16.85 1.21 -0.16	16.40 1.16 -0.19	16.98 1.17 -0.01	18.62 1.05 0.00	22.13 1.29 0.01	23.89 1.46 0.01	23.98 1.53 0.01	23.99 1.46 0.01	24.05 1.53 0.01	24.03 1.43 0.01	25.17 1.40 0.01	28.41 1.56 0.01	30.22 1.77 0.01	31.34 2.08 0.01	34.30 2.00 0.01	43.35 2.93 -1.81	44.96 2.90 -0.02	39.83 2.22 -0.02	35.48 1.85 -2.84	31.72 1.80 -1.43	28.17 1.44 0.01	24.25 1.22 0.00
ASTORIA_EAST_ENERGY_CC2 323582	19.70 1.03 0.00	17.60 1.15 0.00	16.85 1.21 -0.16	16.40 1.16 -0.19	16.98 1.17 -0.01	18.62 1.05 0.00	22.13 1.29 0.01	23.89 1.46 0.01	23.98 1.53 0.01	23.99 1.46 0.01	24.05 1.53 0.01	24.03 1.43 0.01	25.17 1.40 0.01	28.41 1.56 0.01	30.22 1.77 0.01	31.34 2.08 0.01	34.30 2.00 0.01	43.35 2.93 -1.81	44.96 2.90 -0.02	39.83 2.22 -0.02	35.48 1.85 -2.84	31.72 1.80 -1.43	28.17 1.44 0.01	24.25 1.22 0.00
ASTORIA_GT2_1 24094	19.72 1.05 0.00	17.60 1.15 0.00	16.85 1.21 -0.15	16.41 1.17 -0.19	16.98 1.18 0.00	18.63 1.07 0.00	22.14 1.29 0.00	23.87 1.44 0.00	24.01 1.55 0.00	24.06 1.53 0.00	24.04 1.51 0.00	24.01 1.40 0.00	25.22 1.45 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.35 2.08 0.00	34.54 2.23 0.00	43.55 3.13 -1.82	45.18 3.11 -0.03	40.02 2.41 -0.03	35.61 1.97 -2.85	31.87 1.94 -1.44	28.34 1.60 0.00	24.23 1.20 0.00
ASTORIA_GT2_2 24095	19.72 1.05 0.00	17.60 1.15 0.00	16.85 1.21 -0.15	16.41 1.17 -0.19	16.98 1.18 0.00	18.63 1.07 0.00	22.14 1.29 0.00	23.87 1.44 0.00	24.01 1.55 0.00	24.06 1.53 0.00	24.04 1.51 0.00	24.01 1.40 0.00	25.22 1.45 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.35 2.08 0.00	34.54 2.23 0.00	43.55 3.13 -1.82	45.18 3.11 -0.03	40.02 2.41 -0.03	35.61 1.97 -2.85	31.87 1.94 -1.44	28.34 1.60 0.00	24.23 1.20 0.00
ASTORIA_GT2_3 24096	19.72 1.05 0.00	17.60 1.15 0.00	16.85 1.21 -0.15	16.41 1.17 -0.19	16.98 1.18 0.00	18.63 1.07 0.00	22.14 1.29 0.00	23.87 1.44 0.00	24.01 1.55 0.00	24.06 1.53 0.00	24.04 1.51 0.00	24.01 1.40 0.00	25.22 1.45 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.35 2.08 0.00	34.54 2.23 0.00	43.55 3.13 -1.82	45.18 3.11 -0.03	40.02 2.41 -0.03	35.61 1.97 -2.85	31.87 1.94 -1.44	28.34 1.60 0.00	24.23 1.20 0.00
ASTORIA_GT2_4 24097	19.72 1.05 0.00	17.60 1.15 0.00	16.85 1.21 -0.15	16.41 1.17 -0.19	16.98 1.18 0.00	18.63 1.07 0.00	22.14 1.29 0.00	23.87 1.44 0.00	24.01 1.55 0.00	24.06 1.53 0.00	24.04 1.51 0.00	24.01 1.40 0.00	25.22 1.45 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.35 2.08 0.00	34.54 2.23 0.00	43.55 3.13 -1.82	45.18 3.11 -0.03	40.02 2.41 -0.03	35.61 1.97 -2.85	31.87 1.94 -1.44	28.34 1.60 0.00	24.23 1.20 0.00
ASTORIA_GT3_1 24098	19.72 1.05 0.00	17.60 1.15 0.00	16.85 1.21 -0.15	16.41 1.17 -0.19	16.98 1.18 0.00	18.63 1.07 0.00	22.14 1.29 0.00	23.87 1.44 0.00	24.01 1.55 0.00	24.06 1.53 0.00	24.04 1.51 0.00	24.01 1.40 0.00	25.22 1.45 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.35 2.08 0.00	34.54 2.23 0.00	43.55 3.13 -1.82	45.18 3.11 -0.03	40.02 2.41 -0.03	35.61 1.97 -2.85	31.87 1.94 -1.44	28.34 1.60 0.00	24.23 1.20 0.00
ASTORIA_GT3_2 24099	19.72 1.05 0.00	17.60 1.15 0.00	16.85 1.21 -0.15	16.41 1.17 -0.19	16.98 1.18 0.00	18.63 1.07 0.00	22.14 1.29 0.00	23.87 1.44 0.00	24.01 1.55 0.00	24.06 1.53 0.00	24.04 1.51 0.00	24.01 1.40 0.00	25.22 1.45 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.35 2.08 0.00	34.54 2.23 0.00	43.55 3.13 -1.82	45.18 3.11 -0.03	40.02 2.41 -0.03	35.61 1.97 -2.85	31.87 1.94 -1.44	28.34 1.60 0.00	24.23 1.20 0.00
ASTORIA_GT3_3 24100	19.72 1.05 0.00	17.60 1.15 0.00	16.85 1.21 -0.15	16.41 1.17 -0.19	16.98 1.18 0.00	18.63 1.07 0.00	22.14 1.29 0.00	23.87 1.44 0.00	24.01 1.55 0.00	24.06 1.53 0.00	24.04 1.51 0.00	24.01 1.40 0.00	25.22 1.45 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.35 2.08 0.00	34.54 2.23 0.00	43.55 3.13 -1.82	45.18 3.11 -0.03	40.02 2.41 -0.03	35.61 1.97 -2.85	31.87 1.94 -1.44	28.34 1.60 0.00	24.23 1.20 0.00
ASTORIA_GT3_4 24101	19.72 1.05 0.00	17.60 1.15 0.00	16.85 1.21 -0.15	16.41 1.17 -0.19	16.98 1.18 0.00	18.63 1.07 0.00	22.14 1.29 0.00	23.87 1.44 0.00	24.01 1.55 0.00	24.06 1.53 0.00	24.04 1.51 0.00	24.01 1.40 0.00	25.22 1.45 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.35 2.08 0.00	34.54 2.23 0.00	43.55 3.13 -1.82	45.18 3.11 -0.03	40.02 2.41 -0.03	35.61 1.97 -2.85	31.87 1.94 -1.44	28.34 1.60 0.00	24.23 1.20 0.00
ASTORIA_GT4_1 24102	19.72 1.05 0.00	17.60 1.15 0.00	16.85 1.21 -0.15	16.41 1.17 -0.19	16.98 1.18 0.00	18.63 1.07 0.00	22.14 1.29 0.00	23.87 1.44 0.00	24.01 1.55 0.00	24.06 1.53 0.00	24.04 1.51 0.00	24.01 1.40 0.00	25.22 1.45 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.35 2.08 0.00	34.54 2.23 0.00	43.55 3.13 -1.82	45.18 3.11 -0.03	40.02 2.41 -0.03	35.61 1.97 -2.85	31.87 1.94 -1.44	28.34 1.60 0.00	24.23 1.20 0.00
ASTORIA_GT4_2 24103	19.72 1.05 0.00	17.60 1.15 0.00	16.85 1.21 -0.15	16.41 1.17 -0.19	16.98 1.18 0.00	18.63 1.07 0.00	22.14 1.29 0.00	23.87 1.44 0.00	24.01 1.55 0.00	24.06 1.53 0.00	24.04 1.51 0.00	24.01 1.40 0.00	25.22 1.45 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.35 2.08 0.00	34.54 2.23 0.00	43.55 3.13 -1.82	45.18 3.11 -0.03	40.02 2.41 -0.03	35.61 1.97 -2.85	31.87 1.94 -1.44	28.34 1.60 0.00	24.23 1.20 0.00
ASTORIA_GT4_3 24104	19.72 1.05 0.00	17.60 1.15 0.00	16.85 1.21 -0.15	16.41 1.17 -0.19	16.98 1.18 0.00	18.63 1.07 0.00	22.14 1.29 0.00	23.87 1.44 0.00	24.01 1.55 0.00	24.06 1.53 0.00	24.04 1.51 0.00	24.01 1.40 0.00	25.22 1.45 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.35 2.08 0.00	34.54 2.23 0.00	43.55 3.13 -1.82	45.18 3.11 -0.03	40.02 2.41 -0.03	35.61 1.97 -2.85	31.87 1.94 -1.44	28.34 1.60 0.00	24.23 1.20 0.00
ASTORIA_GT4_4 24105	19.72 1.05 0.00	17.60 1.15 0.00	16.85 1.21 -0.15	16.41 1.17 -0.19	16.98 1.18 0.00	18.63 1.07 0.00	22.14 1.29 0.00	23.87 1.44 0.00	24.01 1.55 0.00	24.06 1.53 0.00	24.04 1.51 0.00	24.01 1.40 0.00	25.22 1.45 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.35 2.08 0.00	34.54 2.23 0.00	43.55 3.13 -1.82	45.18 3.11 -0.03	40.02 2.41 -0.03	35.61 1.97 -2.85	31.87 1.94 -1.44	28.34 1.60 0.00	24.23 1.20 0.00
ASTORIA_GT_1 23523	19.73 1.06 0.00	17.63 1.18 0.00	16.88 1.24 -0.16	16.43 1.19 -0.19	17.01 1.20 -0.01	18.65 1.09 0.00	22.17 1.34 0.01	23.93 1.50 0.01	24.03 1.57 0.01	24.05 1.53 0.01	24.12 1.60 0.01	24.10 1.49 0.01	25.24 1.47 0.01	28.50 1.64 0.01	30.31 1.85 0.01	31.43 2.17 0.01	34.37 2.07 0.01	43.47 3.05 -1.81	45.09 3.03 -0.02	39.94 2.33 -0.02	35.54 1.91 -2.84	31.81 1.88 -1.43	28.23 1.50 0.01	24.32 1.29 0.00



ASTORIA_GT_10 24110	19.66 0.99 0.00	17.58 1.13 0.00	16.78 1.15 -0.15	16.33 1.10 -0.19	16.90 1.11 0.00	18.69 1.12 0.00	22.29 1.44 0.00	23.99 1.55 0.00	24.10 1.64 0.00	24.13 1.60 0.00	24.13 1.60 0.00	24.10 1.49 0.00	25.29 1.52 0.00	28.66 1.80 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.71 3.28 -1.82	45.35 3.28 -0.03	40.21 2.59 -0.03	35.73 2.09 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.32 1.29 0.00
ASTORIA_GT_11 24225	19.66 0.99 0.00	17.58 1.13 0.00	16.78 1.15 -0.15	16.33 1.10 -0.19	16.90 1.11 0.00	18.69 1.12 0.00	22.29 1.44 0.00	23.99 1.55 0.00	24.10 1.64 0.00	24.13 1.60 0.00	24.13 1.60 0.00	24.10 1.49 0.00	25.29 1.52 0.00	28.66 1.80 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.71 3.28 -1.82	45.35 3.28 -0.03	40.21 2.59 -0.03	35.73 2.09 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.32 1.29 0.00
ASTORIA_GT_12 24226	19.66 0.99 0.00	17.58 1.13 0.00	16.78 1.15 -0.15	16.33 1.10 -0.19	16.90 1.11 0.00	18.69 1.12 0.00	22.28 1.44 0.00	24.01 1.57 0.00	24.08 1.62 0.00	24.08 1.55 0.00	24.17 1.64 0.00	24.15 1.54 0.00	25.27 1.50 0.00	28.56 1.69 0.00	30.37 1.91 0.00	31.49 2.22 0.00	34.47 2.16 0.00	43.59 3.17 -1.82	45.18 3.11 -0.03	40.06 2.44 -0.03	35.64 2.00 -2.85	31.90 1.96 -1.44	28.37 1.63 0.00	24.34 1.31 0.00
ASTORIA_GT_13 24227	19.66 0.99 0.00	17.58 1.13 0.00	16.78 1.15 -0.15	16.33 1.10 -0.19	16.90 1.11 0.00	18.69 1.12 0.00	22.28 1.44 0.00	24.01 1.57 0.00	24.08 1.62 0.00	24.08 1.55 0.00	24.17 1.64 0.00	24.15 1.54 0.00	25.27 1.50 0.00	28.56 1.69 0.00	30.37 1.91 0.00	31.49 2.22 0.00	34.47 2.16 0.00	43.59 3.17 -1.82	45.18 3.11 -0.03	40.06 2.44 -0.03	35.64 2.00 -2.85	31.90 1.96 -1.44	28.37 1.63 0.00	24.34 1.31 0.00
ASTORIA_GT_5 24106	19.73 1.06 0.00	17.63 1.18 0.00	16.88 1.24 -0.16	16.43 1.19 -0.19	17.01 1.20 -0.01	18.65 1.09 0.00	22.17 1.34 0.01	23.93 1.50 0.01	24.03 1.57 0.01	24.05 1.53 0.01	24.12 1.60 0.01	24.10 1.49 0.01	25.24 1.47 0.01	28.50 1.64 0.01	30.31 1.85 0.01	31.43 2.17 0.01	34.37 2.07 0.01	43.47 3.05 -1.81	45.09 3.03 -0.02	39.94 2.33 -0.02	35.54 1.91 -2.84	31.81 1.88 -1.43	28.23 1.50 0.01	24.32 1.29 0.00
ASTORIA_GT_7 24107	19.73 1.06 0.00	17.63 1.18 0.00	16.88 1.24 -0.16	16.43 1.19 -0.19	17.01 1.20 -0.01	18.65 1.09 0.00	22.17 1.34 0.01	23.93 1.50 0.01	24.03 1.57 0.01	24.05 1.53 0.01	24.12 1.60 0.01	24.10 1.49 0.01	25.24 1.47 0.01	28.50 1.64 0.01	30.31 1.85 0.01	31.43 2.17 0.01	34.37 2.07 0.01	43.47 3.05 -1.81	45.09 3.03 -0.02	39.94 2.33 -0.02	35.54 1.91 -2.84	31.81 1.88 -1.43	28.23 1.50 0.01	24.32 1.29 0.00
ASTORIA_GT_8 24108	19.73 1.06 0.00	17.63 1.18 0.00	16.88 1.24 -0.15	16.42 1.19 -0.19	17.00 1.20 0.00	18.65 1.09 0.00	22.18 1.33 0.00	23.92 1.48 0.00	24.06 1.59 0.00	24.11 1.58 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.58 1.72 0.00	30.52 2.05 0.00	31.40 2.14 0.00	34.60 2.29 0.00	43.63 3.20 -1.82	45.26 3.19 -0.03	40.10 2.48 -0.03	35.67 2.03 -2.85	31.90 1.97 -1.44	28.39 1.66 0.00	24.28 1.24 0.00
ASTORIA___2 24149	19.71 1.04 0.00	17.60 1.15 0.00	16.85 1.21 -0.16	16.40 1.16 -0.19	16.99 1.19 -0.01	18.63 1.07 0.00	22.13 1.29 0.01	23.89 1.46 0.01	23.98 1.53 0.01	24.01 1.49 0.01	24.07 1.55 0.01	24.05 1.45 0.01	25.19 1.43 0.01	28.44 1.58 0.01	30.25 1.79 0.01	31.37 2.11 0.01	34.30 2.00 0.01	43.39 2.97 -1.81	45.00 2.94 -0.02	39.86 2.26 -0.02	35.48 1.85 -2.84	31.75 1.83 -1.43	28.17 1.44 0.01	24.28 1.24 0.00
ASTORIA___3 23516	19.66 0.99 0.00	17.58 1.13 0.00	16.78 1.15 -0.15	16.33 1.10 -0.19	16.90 1.11 0.00	18.69 1.12 0.00	22.28 1.44 0.00	24.01 1.57 0.00	24.08 1.62 0.00	24.08 1.55 0.00	24.17 1.64 0.00	24.15 1.54 0.00	25.27 1.50 0.00	28.56 1.69 0.00	30.37 1.91 0.00	31.49 2.22 0.00	34.47 2.16 0.00	43.59 3.17 -1.82	45.18 3.11 -0.03	40.06 2.44 -0.03	35.64 2.00 -2.85	31.90 1.96 -1.44	28.37 1.63 0.00	24.34 1.31 0.00
ASTORIA___4 23517	19.66 0.99 0.00	17.58 1.13 0.00	16.78 1.15 -0.15	16.33 1.10 -0.19	16.90 1.11 0.00	18.69 1.12 0.00	22.29 1.44 0.00	23.99 1.55 0.00	24.10 1.64 0.00	24.13 1.60 0.00	24.13 1.60 0.00	24.10 1.49 0.00	25.29 1.52 0.00	28.66 1.80 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.71 3.28 -1.82	45.35 3.28 -0.03	40.21 2.59 -0.03	35.73 2.09 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.32 1.29 0.00
ASTORIA___5 23518	19.66 0.99 0.00	17.58 1.13 0.00	16.78 1.15 -0.15	16.33 1.10 -0.19	16.90 1.11 0.00	18.69 1.12 0.00	22.28 1.44 0.00	24.01 1.57 0.00	24.08 1.62 0.00	24.08 1.55 0.00	24.17 1.64 0.00	24.15 1.54 0.00	25.27 1.50 0.00	28.56 1.69 0.00	30.37 1.91 0.00	31.49 2.22 0.00	34.47 2.16 0.00	43.59 3.17 -1.82	45.18 3.11 -0.03	40.06 2.44 -0.03	35.64 2.00 -2.85	31.90 1.96 -1.44	28.37 1.63 0.00	24.34 1.31 0.00
AST_ENERGY_2_CC3 323677	19.64 0.97 0.00	17.55 1.10 0.00	16.74 1.10 -0.15	16.28 1.05 -0.19	16.86 1.06 0.00	18.70 1.14 0.00	22.33 1.48 0.00	24.08 1.64 0.00	24.12 1.66 0.00	24.13 1.60 0.00	24.17 1.64 0.00	24.15 1.54 0.00	25.30 1.52 0.00	28.56 1.69 0.00	30.40 1.94 0.00	31.46 2.20 0.00	34.51 2.20 0.00	43.63 3.20 -1.82	45.14 3.07 -0.03	40.14 2.52 -0.03	35.67 2.03 -2.85	31.90 1.96 -1.44	28.37 1.63 0.00	24.32 1.29 0.00
AST_ENERGY_2_CC4 323678	19.64 0.97 0.00	17.55 1.10 0.00	16.74 1.10 -0.15	16.28 1.05 -0.19	16.86 1.06 0.00	18.70 1.14 0.00	22.33 1.48 0.00	24.08 1.64 0.00	24.12 1.66 0.00	24.13 1.60 0.00	24.17 1.64 0.00	24.15 1.54 0.00	25.30 1.52 0.00	28.56 1.69 0.00	30.40 1.94 0.00	31.46 2.20 0.00	34.51 2.20 0.00	43.63 3.20 -1.82	45.14 3.07 -0.03	40.14 2.52 -0.03	35.67 2.03 -2.85	31.90 1.96 -1.44	28.37 1.63 0.00	24.32 1.29 0.00
ATHENS_STG_1 23668	19.14 0.47 0.00	17.06 0.61 0.00	16.30 0.64 -0.18	15.88 0.62 -0.22	16.43 0.63 0.00	18.19 0.63 0.00	21.62 0.77 0.00	23.25 0.81 0.00	23.27 0.81 0.00	23.27 0.74 0.00	23.30 0.77 0.00	23.36 0.75 0.00	24.53 0.76 0.00	27.70 0.83 0.00	29.43 0.97 0.00	30.38 1.11 0.00	33.50 1.20 0.00	42.15 1.62 -1.92	43.63 1.56 -0.03	39.08 1.46 -0.03	34.96 1.17 -3.01	31.12 1.11 -1.52	27.59 0.86 0.00	23.72 0.69 0.00
ATHENS_STG_2 23670	19.14 0.47 0.00	17.06 0.61 0.00	16.30 0.64 -0.18	15.88 0.62 -0.22	16.43 0.63 0.00	18.19 0.63 0.00	21.62 0.77 0.00	23.25 0.81 0.00	23.27 0.81 0.00	23.27 0.74 0.00	23.30 0.77 0.00	23.36 0.75 0.00	24.53 0.76 0.00	27.70 0.83 0.00	29.43 0.97 0.00	30.38 1.11 0.00	33.50 1.20 0.00	42.15 1.62 -1.92	43.63 1.56 -0.03	39.08 1.46 -0.03	34.96 1.17 -3.01	31.12 1.11 -1.52	27.59 0.86 0.00	23.72 0.69 0.00



ATHENS_STG_3 23677	19.14 0.47 0.00	17.06 0.61 0.00	16.30 0.64 -0.18	15.88 0.62 -0.22	16.43 0.63 0.00	18.19 0.63 0.00	21.62 0.77 0.00	23.25 0.81 0.00	23.27 0.81 0.00	23.27 0.74 0.00	23.30 0.77 0.00	23.36 0.75 0.00	24.53 0.76 0.00	27.70 0.83 0.00	29.43 0.97 0.00	30.38 1.11 0.00	33.50 1.20 0.00	42.15 1.62 -1.92	43.63 1.56 -0.03	39.08 1.46 -0.03	34.96 1.17 -3.01	31.12 1.11 -1.52	27.59 0.86 0.00	23.72 0.69 0.00
AUBURN___LFGE 323710	18.95 0.28 0.00	16.74 0.30 0.00	15.72 0.22 -0.02	15.30 0.23 -0.03	16.07 0.27 0.00	17.98 0.42 0.00	21.33 0.48 0.00	23.04 0.61 0.00	23.05 0.58 0.00	23.18 0.65 0.00	23.20 0.68 0.00	23.31 0.70 0.00	25.03 0.74 -0.52	28.84 0.89 -1.09	30.83 1.02 -1.34	31.91 1.14 -1.50	35.77 1.42 -2.04	43.52 1.58 -3.33	47.56 1.85 -3.67	41.56 1.77 -2.21	34.11 1.32 -2.00	30.84 0.94 -1.41	28.42 0.78 -0.91	23.82 0.78 0.00
BABYLON_RES_REC 323704	19.57 0.90 0.00	17.58 1.13 0.00	16.69 1.05 -0.15	16.21 0.98 -0.19	16.78 0.98 0.00	18.70 1.14 0.00	22.28 1.44 0.00	24.03 1.59 0.00	23.94 1.48 0.00	23.77 1.24 0.00	23.93 1.40 0.00	23.97 1.36 0.00	24.72 0.95 0.00	27.77 0.91 0.01	29.78 1.31 0.00	30.96 1.70 0.00	34.05 1.74 0.00	42.90 2.47 -1.82	44.33 2.27 -0.02	39.45 1.84 -0.02	35.15 1.51 -2.85	31.50 1.57 -1.44	28.07 1.34 0.00	25.81 1.86 -0.91
BABYLON__69_KV_BK2 356345	19.73 1.06 0.00	17.71 1.27 0.00	16.80 1.16 -0.15	16.33 1.10 -0.19	16.89 1.09 0.00	18.83 1.26 0.00	22.60 1.75 0.00	24.37 1.93 0.00	24.35 1.89 0.00	24.17 1.64 0.00	24.26 1.73 0.00	24.31 1.70 0.00	25.32 1.55 0.00	28.44 1.59 0.01	30.74 2.28 0.00	31.81 2.55 0.00	35.31 3.00 0.00	44.25 3.82 -1.82	45.64 3.57 -0.02	40.65 3.04 -0.02	36.65 3.02 -2.85	32.33 2.39 -1.44	29.09 2.35 0.00	25.99 2.05 -0.91
BARON_WINDS___WT_PWR 323822	19.36 0.69 0.00	16.92 0.48 0.00	15.61 0.09 -0.04	15.22 0.14 -0.04	15.99 0.19 0.00	18.02 0.46 0.00	21.16 0.31 0.00	23.00 0.56 0.00	23.20 0.74 0.00	23.48 0.95 0.00	23.43 0.90 0.00	23.60 0.99 0.00	25.01 1.12 -0.12	28.47 1.34 -0.26	30.38 1.59 -0.32	31.29 1.67 -0.36	35.09 2.29 -0.48	42.16 2.39 -1.16	45.90 2.99 -0.88	41.09 2.97 -0.53	33.65 1.82 -1.05	30.26 1.14 -0.63	28.00 1.04 -0.22	24.21 1.17 0.00
BARRETT_IC_1 23704	19.49 0.82 0.00	17.45 1.00 0.00	16.58 0.94 -0.15	16.12 0.89 -0.19	16.68 0.88 0.00	18.56 1.00 0.00	22.28 1.44 0.00	24.06 1.62 0.00	24.03 1.57 0.00	23.90 1.37 0.00	24.08 1.55 0.00	24.13 1.52 0.00	24.94 1.16 0.00	27.93 1.08 0.01	29.74 1.28 0.01	30.84 1.58 0.01	33.88 1.58 0.01	42.77 2.36 -1.81	44.20 2.14 -0.01	39.33 1.73 -0.01	34.86 1.23 -2.84	31.30 1.37 -1.43	27.78 1.04 0.00	25.51 1.57 -0.91
BARRETT_IC_10 23701	19.49 0.82 0.00	17.45 1.00 0.00	16.58 0.94 -0.15	16.12 0.89 -0.19	16.68 0.88 0.00	18.56 1.00 0.00	22.28 1.44 0.00	24.06 1.62 0.00	24.03 1.57 0.00	23.90 1.37 0.00	24.08 1.55 0.00	24.13 1.52 0.00	24.94 1.16 0.00	27.93 1.08 0.01	29.74 1.28 0.01	30.84 1.58 0.01	33.88 1.58 0.01	42.77 2.36 -1.81	44.20 2.14 -0.01	39.33 1.73 -0.01	34.86 1.23 -2.84	31.30 1.37 -1.43	27.78 1.04 0.00	25.51 1.57 -0.91
BARRETT_IC_11 23702	19.49 0.82 0.00	17.45 1.00 0.00	16.58 0.94 -0.15	16.12 0.89 -0.19	16.68 0.88 0.00	18.56 1.00 0.00	22.28 1.44 0.00	24.06 1.62 0.00	24.03 1.57 0.00	23.90 1.37 0.00	24.08 1.55 0.00	24.13 1.52 0.00	24.94 1.16 0.00	27.93 1.08 0.01	29.74 1.28 0.01	30.84 1.58 0.01	33.88 1.58 0.01	42.77 2.36 -1.81	44.20 2.14 -0.01	39.33 1.73 -0.01	34.86 1.23 -2.84	31.30 1.37 -1.43	27.78 1.04 0.00	25.51 1.57 -0.91
BARRETT_IC_12 23703	19.49 0.82 0.00	17.45 1.00 0.00	16.58 0.94 -0.15	16.12 0.89 -0.19	16.68 0.88 0.00	18.56 1.00 0.00	22.28 1.44 0.00	24.06 1.62 0.00	24.03 1.57 0.00	23.90 1.37 0.00	24.08 1.55 0.00	24.13 1.52 0.00	24.94 1.16 0.00	27.93 1.08 0.01	29.74 1.28 0.01	30.84 1.58 0.01	33.88 1.58 0.01	42.77 2.36 -1.81	44.20 2.14 -0.01	39.33 1.73 -0.01	34.86 1.23 -2.84	31.30 1.37 -1.43	27.78 1.04 0.00	25.51 1.57 -0.91
BARRETT_IC_2 23705	19.49 0.82 0.00	17.45 1.00 0.00	16.58 0.94 -0.15	16.12 0.89 -0.19	16.68 0.88 0.00	18.56 1.00 0.00	22.28 1.44 0.00	24.06 1.62 0.00	24.03 1.57 0.00	23.90 1.37 0.00	24.08 1.55 0.00	24.13 1.52 0.00	24.94 1.16 0.00	27.93 1.08 0.01	29.74 1.28 0.01	30.84 1.58 0.01	33.88 1.58 0.01	42.77 2.36 -1.81	44.20 2.14 -0.01	39.33 1.73 -0.01	34.86 1.23 -2.84	31.30 1.37 -1.43	27.78 1.04 0.00	25.51 1.57 -0.91
BARRETT_IC_3 23706	19.49 0.82 0.00	17.45 1.00 0.00	16.58 0.94 -0.15	16.12 0.89 -0.19	16.68 0.88 0.00	18.56 1.00 0.00	22.28 1.44 0.00	24.06 1.62 0.00	24.03 1.57 0.00	23.90 1.37 0.00	24.08 1.55 0.00	24.13 1.52 0.00	24.94 1.16 0.00	27.93 1.08 0.01	29.74 1.28 0.01	30.84 1.58 0.01	33.88 1.58 0.01	42.77 2.36 -1.81	44.20 2.14 -0.01	39.33 1.73 -0.01	34.86 1.23 -2.84	31.30 1.37 -1.43	27.78 1.04 0.00	25.51 1.57 -0.91
BARRETT_IC_4 23707	19.49 0.82 0.00	17.45 1.00 0.00	16.58 0.94 -0.15	16.12 0.89 -0.19	16.68 0.88 0.00	18.56 1.00 0.00	22.28 1.44 0.00	24.06 1.62 0.00	24.03 1.57 0.00	23.90 1.37 0.00	24.08 1.55 0.00	24.13 1.52 0.00	24.94 1.16 0.00	27.93 1.08 0.01	29.74 1.28 0.01	30.84 1.58 0.01	33.88 1.58 0.01	42.77 2.36 -1.81	44.20 2.14 -0.01	39.33 1.73 -0.01	34.86 1.23 -2.84	31.30 1.37 -1.43	27.78 1.04 0.00	25.51 1.57 -0.91
BARRETT_IC_5 23708	19.49 0.82 0.00	17.45 1.00 0.00	16.58 0.94 -0.15	16.12 0.89 -0.19	16.68 0.88 0.00	18.56 1.00 0.00	22.28 1.44 0.00	24.06 1.62 0.00	24.03 1.57 0.00	23.90 1.37 0.00	24.08 1.55 0.00	24.13 1.52 0.00	24.94 1.16 0.00	27.93 1.08 0.01	29.74 1.28 0.01	30.84 1.58 0.01	33.88 1.58 0.01	42.77 2.36 -1.81	44.20 2.14 -0.01	39.33 1.73 -0.01	34.86 1.23 -2.84	31.30 1.37 -1.43	27.78 1.04 0.00	25.51 1.57 -0.91
BARRETT_IC_6 23709	19.49 0.82 0.00	17.45 1.00 0.00	16.58 0.94 -0.15	16.12 0.89 -0.19	16.68 0.88 0.00	18.56 1.00 0.00	22.28 1.44 0.00	24.06 1.62 0.00	24.03 1.57 0.00	23.90 1.37 0.00	24.08 1.55 0.00	24.13 1.52 0.00	24.94 1.16 0.00	27.93 1.08 0.01	29.74 1.28 0.01	30.84 1.58 0.01	33.88 1.58 0.01	42.77 2.36 -1.81	44.20 2.14 -0.01	39.33 1.73 -0.01	34.86 1.23 -2.84	31.30 1.37 -1.43	27.78 1.04 0.00	25.51 1.57 -0.91
BARRETT_IC_7 23710	19.49 0.82 0.00	17.45 1.00 0.00	16.58 0.94 -0.15	16.12 0.89 -0.19	16.68 0.88 0.00	18.56 1.00 0.00	22.29 1.44 0.00	24.03 1.59 0.00	24.03 1.57 0.00	23.93 1.40 0.00	24.04 1.51 0.00	24.08 1.47 0.00	25.08 1.31 0.00	28.04 1.18 0.01	30.06 1.59 0.00	31.02 1.76 0.00	34.31 2.00 0.00	43.05 2.63 -1.82	44.33 2.27 -0.02	39.49 1.88 -0.02	35.58 1.94 -2.85	31.50 1.57 -1.44	28.39 1.66 0.00	25.46 1.52 -0.91



BARRETT_IC_8 23711	19.49 0.82 0.00	17.45 1.00 0.00	16.58 0.94 -0.15	16.12 0.89 -0.19	16.68 0.88 0.00	18.56 1.00 0.00	22.28 1.44 0.00	24.06 1.62 0.00	24.03 1.57 0.00	23.90 1.37 0.00	24.08 1.55 0.00	24.13 1.52 0.00	24.94 1.16 0.00	27.93 1.08 0.01	29.74 1.28 0.01	30.84 1.58 0.01	33.88 1.58 0.01	42.77 2.36 -1.81	44.20 2.14 -0.01	39.33 1.73 -0.01	34.86 1.23 -2.84	31.30 1.37 -1.43	27.78 1.04 0.00	25.51 1.57 -0.91
BARRETT_IC_9 23700	19.49 0.82 0.00	17.45 1.00 0.00	16.58 0.94 -0.15	16.12 0.89 -0.19	16.68 0.88 0.00	18.56 1.00 0.00	22.28 1.44 0.00	24.06 1.62 0.00	24.03 1.57 0.00	23.90 1.37 0.00	24.08 1.55 0.00	24.13 1.52 0.00	24.94 1.16 0.00	27.93 1.08 0.01	29.74 1.28 0.01	30.84 1.58 0.01	33.88 1.58 0.01	42.77 2.36 -1.81	44.20 2.14 -0.01	39.33 1.73 -0.01	34.86 1.23 -2.84	31.30 1.37 -1.43	27.78 1.04 0.00	25.51 1.57 -0.91
BARRETT___1 23545	19.49 0.82 0.00	17.45 1.00 0.00	16.58 0.94 -0.15	16.12 0.89 -0.19	16.68 0.88 0.00	18.56 1.00 0.00	22.28 1.44 0.00	24.06 1.62 0.00	24.03 1.57 0.00	23.90 1.37 0.00	24.08 1.55 0.00	24.13 1.52 0.00	24.94 1.16 0.00	27.93 1.08 0.01	29.74 1.28 0.01	30.84 1.58 0.01	33.88 1.58 0.01	42.77 2.36 -1.81	44.20 2.14 -0.01	39.33 1.73 -0.01	34.86 1.23 -2.84	31.30 1.37 -1.43	27.78 1.04 0.00	25.51 1.57 -0.91
BARRETT___2 23546	19.49 0.82 0.00	17.45 1.00 0.00	16.58 0.94 -0.15	16.12 0.89 -0.19	16.68 0.88 0.00	18.56 1.00 0.00	22.28 1.44 0.00	24.06 1.62 0.00	24.03 1.57 0.00	23.90 1.37 0.00	24.08 1.55 0.00	24.13 1.52 0.00	24.94 1.16 0.00	27.93 1.08 0.01	29.74 1.28 0.01	30.84 1.58 0.01	33.88 1.58 0.01	42.77 2.36 -1.81	44.20 2.14 -0.01	39.33 1.73 -0.01	34.86 1.23 -2.84	31.30 1.37 -1.43	27.78 1.04 0.00	25.51 1.57 -0.91
BATAVIA___115KV_TB1 55881	19.21 0.54 0.00	16.84 0.39 0.00	15.56 0.05 -0.02	14.96 -0.12 -0.03	15.81 0.02 0.00	17.91 0.35 0.00	20.62 -0.23 0.00	22.57 0.13 0.00	22.73 0.27 0.00	22.98 0.45 0.00	23.14 0.61 0.00	23.33 0.72 0.00	24.63 0.86 0.00	27.78 0.91 0.00	29.58 1.11 0.00	30.67 1.40 0.00	34.34 2.04 0.00	40.89 2.01 -0.28	44.73 2.69 0.00	40.67 3.08 0.00	32.97 1.75 -0.43	29.51 0.80 -0.22	27.51 0.78 0.00	24.30 1.27 0.00
BAYONEEC___CTG1 323682	19.64 0.97 0.00	17.57 1.12 0.00	16.74 1.10 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.34 1.57 0.00	28.59 1.72 0.00	30.43 1.96 0.00	31.52 2.25 0.00	34.54 2.23 0.00	43.67 3.24 -1.82	45.18 3.11 -0.03	40.21 2.59 -0.03	35.70 2.06 -2.85	31.96 2.02 -1.44	28.40 1.66 0.00	24.34 1.31 0.00
BAYONEEC___CTG10 323750	19.64 0.97 0.00	17.57 1.12 0.00	16.74 1.10 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.34 1.57 0.00	28.59 1.72 0.00	30.43 1.96 0.00	31.52 2.25 0.00	34.54 2.23 0.00	43.67 3.24 -1.82	45.18 3.11 -0.03	40.21 2.59 -0.03	35.70 2.06 -2.85	31.96 2.02 -1.44	28.40 1.66 0.00	24.34 1.31 0.00
BAYONEEC___CTG2 323683	19.64 0.97 0.00	17.57 1.12 0.00	16.74 1.10 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.34 1.57 0.00	28.59 1.72 0.00	30.43 1.96 0.00	31.52 2.25 0.00	34.54 2.23 0.00	43.67 3.24 -1.82	45.18 3.11 -0.03	40.21 2.59 -0.03	35.70 2.06 -2.85	31.96 2.02 -1.44	28.40 1.66 0.00	24.34 1.31 0.00
BAYONEEC___CTG3 323684	19.64 0.97 0.00	17.57 1.12 0.00	16.74 1.10 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.34 1.57 0.00	28.59 1.72 0.00	30.43 1.96 0.00	31.52 2.25 0.00	34.54 2.23 0.00	43.67 3.24 -1.82	45.18 3.11 -0.03	40.21 2.59 -0.03	35.70 2.06 -2.85	31.96 2.02 -1.44	28.40 1.66 0.00	24.34 1.31 0.00
BAYONEEC___CTG4 323685	19.64 0.97 0.00	17.57 1.12 0.00	16.74 1.10 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.34 1.57 0.00	28.59 1.72 0.00	30.43 1.96 0.00	31.52 2.25 0.00	34.54 2.23 0.00	43.67 3.24 -1.82	45.18 3.11 -0.03	40.21 2.59 -0.03	35.70 2.06 -2.85	31.96 2.02 -1.44	28.40 1.66 0.00	24.34 1.31 0.00
BAYONEEC___CTG5 323686	19.64 0.97 0.00	17.57 1.12 0.00	16.74 1.10 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.34 1.57 0.00	28.59 1.72 0.00	30.43 1.96 0.00	31.52 2.25 0.00	34.54 2.23 0.00	43.67 3.24 -1.82	45.18 3.11 -0.03	40.21 2.59 -0.03	35.70 2.06 -2.85	31.96 2.02 -1.44	28.40 1.66 0.00	24.34 1.31 0.00
BAYONEEC___CTG6 323687	19.64 0.97 0.00	17.57 1.12 0.00	16.74 1.10 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.34 1.57 0.00	28.59 1.72 0.00	30.43 1.96 0.00	31.52 2.25 0.00	34.54 2.23 0.00	43.67 3.24 -1.82	45.18 3.11 -0.03	40.21 2.59 -0.03	35.70 2.06 -2.85	31.96 2.02 -1.44	28.40 1.66 0.00	24.34 1.31 0.00
BAYONEEC___CTG7 323688	19.64 0.97 0.00	17.57 1.12 0.00	16.74 1.10 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.34 1.57 0.00	28.59 1.72 0.00	30.43 1.96 0.00	31.52 2.25 0.00	34.54 2.23 0.00	43.67 3.24 -1.82	45.18 3.11 -0.03	40.21 2.59 -0.03	35.70 2.06 -2.85	31.96 2.02 -1.44	28.40 1.66 0.00	24.34 1.31 0.00
BAYONEEC___CTG8 323689	19.64 0.97 0.00	17.57 1.12 0.00	16.74 1.10 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.34 1.57 0.00	28.59 1.72 0.00	30.43 1.96 0.00	31.52 2.25 0.00	34.54 2.23 0.00	43.67 3.24 -1.82	45.18 3.11 -0.03	40.21 2.59 -0.03	35.70 2.06 -2.85	31.96 2.02 -1.44	28.40 1.66 0.00	24.34 1.31 0.00
BAYONEEC___CTG9 323749	19.64 0.97 0.00	17.57 1.12 0.00	16.74 1.10 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.34 1.57 0.00	28.59 1.72 0.00	30.43 1.96 0.00	31.52 2.25 0.00	34.54 2.23 0.00	43.67 3.24 -1.82	45.18 3.11 -0.03	40.21 2.59 -0.03	35.70 2.06 -2.85	31.96 2.02 -1.44	28.40 1.66 0.00	24.34 1.31 0.00



BEACON___LESR 323632	19.23 0.56 0.00	17.15 0.71 0.00	16.39 0.71 -0.19	15.98 0.69 -0.24	16.49 0.69 0.00	18.23 0.67 0.00	21.68 0.83 0.00	23.27 0.83 0.00	23.34 0.88 0.00	23.27 0.74 0.00	23.30 0.77 0.00	23.36 0.75 0.00	24.60 0.83 0.00	27.86 0.99 0.00	29.61 1.14 0.00	30.62 1.35 0.00	33.89 1.58 0.00	44.37 2.08 -3.68	44.24 2.14 -0.06	39.60 1.95 -0.06	38.10 1.54 -5.77	32.84 1.42 -2.92	27.75 1.02 0.00	23.82 0.78 0.00
BEAVER RIVER___HYD 24048	18.89 0.22 0.00	16.51 0.07 0.00	15.52 0.03 -0.01	15.16 0.11 -0.01	15.94 0.14 0.00	17.76 0.19 0.00	21.10 0.25 0.00	22.75 0.31 0.00	22.62 0.16 0.00	22.76 0.23 0.00	22.55 0.02 0.00	22.59 -0.02 0.00	24.03 -0.02 -0.28	27.46 0.00 -0.59	29.25 0.06 -0.73	30.14 0.06 -0.82	33.41 0.00 -1.11	40.48 0.19 -1.68	44.74 0.71 -1.99	39.36 0.56 -1.20	32.57 0.89 -0.89	30.07 0.91 -0.67	28.03 0.80 -0.49	23.65 0.62 0.00
BEEBEE_GT_13 23619	18.99 0.32 0.00	16.66 0.21 0.00	15.58 0.08 -0.02	15.04 -0.03 -0.02	15.80 0.00 0.00	17.79 0.23 0.00	20.81 -0.04 0.00	22.66 0.22 0.00	22.73 0.27 0.00	22.96 0.43 0.00	23.02 0.50 0.00	23.24 0.63 0.00	24.58 0.81 0.00	27.72 0.86 0.00	29.46 1.00 0.00	30.41 1.14 0.00	33.92 1.62 0.00	40.44 1.62 -0.21	44.19 2.14 0.00	39.81 2.22 0.00	32.48 1.35 -0.34	29.38 0.71 -0.17	27.41 0.67 0.00	23.86 0.83 0.00
BENSHRST_27_KV_BENSHRST_1 355998	19.79 1.12 0.00	17.68 1.23 0.00	16.86 1.22 -0.15	16.42 1.19 -0.19	16.98 1.18 0.00	18.77 1.21 0.00	22.41 1.56 0.00	24.05 1.62 0.00	24.19 1.73 0.00	24.22 1.69 0.00	24.20 1.67 0.00	24.15 1.54 0.00	25.37 1.59 0.00	28.83 1.96 0.00	30.72 2.25 0.00	31.61 2.34 0.00	34.86 2.55 0.00	44.06 3.63 -1.82	45.90 3.83 -0.03	40.51 2.89 -0.03	35.98 2.34 -2.85	32.22 2.28 -1.44	28.80 2.06 0.00	24.53 1.50 0.00
BETHLEHEM___GRP 23843	18.84 0.17 0.00	16.86 0.41 0.00	16.11 0.43 -0.20	15.71 0.42 -0.24	16.22 0.43 0.00	17.93 0.37 0.00	21.28 0.44 0.00	22.82 0.38 0.00	22.87 0.40 0.00	22.82 0.29 0.00	22.84 0.32 0.00	22.93 0.32 0.00	24.13 0.36 0.00	27.29 0.43 0.00	29.06 0.60 0.00	29.94 0.67 0.00	33.15 0.84 0.00	43.37 1.12 -3.64	43.24 1.14 -0.06	38.70 1.05 -0.06	37.33 0.83 -5.71	32.15 0.77 -2.89	27.22 0.48 0.00	23.36 0.32 0.00
BETHLEHEM___GS1 323560	18.84 0.17 0.00	16.86 0.41 0.00	16.11 0.43 -0.20	15.72 0.44 -0.24	16.22 0.43 0.00	17.93 0.37 0.00	21.29 0.44 0.00	22.84 0.40 0.00	22.89 0.43 0.00	22.82 0.29 0.00	22.89 0.36 0.00	22.95 0.34 0.00	24.13 0.36 0.00	27.29 0.43 0.00	28.98 0.51 0.00	29.94 0.67 0.00	33.08 0.77 0.00	43.37 1.12 -3.64	43.19 1.09 -0.06	38.66 1.02 -0.06	37.30 0.80 -5.71	32.12 0.74 -2.89	27.22 0.48 0.00	23.40 0.37 0.00
BETHLEHEM___GS2 323561	18.84 0.17 0.00	16.86 0.41 0.00	16.11 0.43 -0.20	15.72 0.44 -0.24	16.22 0.43 0.00	17.93 0.37 0.00	21.29 0.44 0.00	22.84 0.40 0.00	22.89 0.43 0.00	22.82 0.29 0.00	22.89 0.36 0.00	22.95 0.34 0.00	24.13 0.36 0.00	27.29 0.43 0.00	28.98 0.51 0.00	29.94 0.67 0.00	33.08 0.77 0.00	43.37 1.12 -3.64	43.19 1.09 -0.06	38.66 1.02 -0.06	37.30 0.80 -5.71	32.12 0.74 -2.89	27.22 0.48 0.00	23.40 0.37 0.00
BETHLEHEM___GS3 323562	18.84 0.17 0.00	16.86 0.41 0.00	16.11 0.43 -0.20	15.72 0.44 -0.24	16.22 0.43 0.00	17.93 0.37 0.00	21.29 0.44 0.00	22.84 0.40 0.00	22.89 0.43 0.00	22.82 0.29 0.00	22.89 0.36 0.00	22.95 0.34 0.00	24.13 0.36 0.00	27.29 0.43 0.00	28.98 0.51 0.00	29.94 0.67 0.00	33.08 0.77 0.00	43.37 1.12 -3.64	43.19 1.09 -0.06	38.66 1.02 -0.06	37.30 0.80 -5.71	32.12 0.74 -2.89	27.22 0.48 0.00	23.40 0.37 0.00
BETHLEHEM___STEEL 23779	19.32 0.65 0.00	16.87 0.43 0.00	15.56 0.05 -0.03	14.99 -0.09 -0.03	15.85 0.05 0.00	17.91 0.35 0.00	20.78 -0.06 0.00	22.73 0.29 0.00	22.93 0.47 0.00	23.30 0.77 0.00	23.41 0.88 0.00	23.63 1.02 0.00	24.80 1.02 0.00	27.94 1.07 0.00	29.78 1.31 0.00	30.91 1.64 0.00	34.51 2.20 0.00	41.08 2.16 -0.31	44.65 2.61 -0.01	40.60 3.01 -0.01	32.97 1.69 -0.49	29.57 0.83 -0.25	27.49 0.75 0.00	24.44 1.40 0.00
BETHLHEM_115KV_TB1 79974	18.89 0.22 0.00	16.89 0.44 0.00	16.14 0.46 -0.19	15.74 0.45 -0.24	16.26 0.46 0.00	17.97 0.40 0.00	21.35 0.50 0.00	22.89 0.45 0.00	22.91 0.45 0.00	22.89 0.36 0.00	22.89 0.36 0.00	22.97 0.36 0.00	24.18 0.40 0.00	27.35 0.48 0.00	29.12 0.65 0.00	30.00 0.73 0.00	33.21 0.90 0.00	43.36 1.20 -3.55	43.32 1.22 -0.06	38.77 1.13 -0.06	37.26 0.89 -5.58	32.14 0.83 -2.82	27.30 0.56 0.00	23.42 0.39 0.00
BETHPAGE_CC_5 323564	19.58 0.91 0.00	17.57 1.12 0.00	16.67 1.04 -0.15	16.21 0.98 -0.19	16.78 0.98 0.00	18.69 1.12 0.00	22.41 1.56 0.00	24.19 1.75 0.00	24.17 1.71 0.00	24.02 1.49 0.00	24.20 1.67 0.00	24.24 1.63 0.00	25.03 1.26 0.00	28.15 1.29 0.01	30.03 1.56 0.00	31.17 1.90 0.00	34.28 1.97 0.00	43.24 2.82 -1.82	44.71 2.65 -0.02	39.79 2.18 -0.02	35.27 1.63 -2.85	31.62 1.68 -1.44	28.02 1.28 0.00	25.76 1.82 -0.91
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	19.34 0.67 0.00	16.89 0.44 0.00	15.54 0.03 -0.03	14.99 -0.09 -0.03	15.86 0.06 0.00	17.95 0.39 0.00	20.81 -0.04 0.00	22.75 0.31 0.00	22.96 0.49 0.00	23.32 0.79 0.00	23.45 0.92 0.00	23.67 1.06 0.00	24.77 1.00 0.00	27.91 1.05 0.00	29.75 1.28 0.00	30.91 1.64 0.00	34.51 2.20 0.00	41.09 2.16 -0.32	44.61 2.56 -0.01	40.56 2.97 -0.01	32.95 1.66 -0.50	29.54 0.80 -0.25	27.46 0.72 0.00	24.46 1.43 0.00
BINGHAMTON___COGEN 23790	19.19 0.52 0.00	16.86 0.41 0.00	15.82 0.28 -0.05	15.38 0.27 -0.06	16.15 0.35 0.00	18.04 0.47 0.00	21.35 0.50 0.00	23.07 0.63 0.00	23.11 0.65 0.00	23.25 0.72 0.00	23.27 0.74 0.00	23.40 0.79 0.00	24.78 0.78 -0.23	28.23 0.89 -0.48	30.11 1.05 -0.59	31.13 1.20 -0.66	34.69 1.49 -0.90	42.28 1.66 -2.01	45.56 1.89 -1.62	40.45 1.88 -0.98	33.84 1.32 -1.73	30.51 0.97 -1.05	27.91 0.78 -0.40	23.91 0.88 0.00
BIXINCNT_115KV_LOAD 355685	19.45 0.78 0.00	16.97 0.53 0.00	15.53 0.02 -0.03	15.01 -0.08 -0.04	15.96 0.16 0.00	18.05 0.49 0.00	21.01 0.17 0.00	23.09 0.65 0.00	23.29 0.83 0.00	23.72 1.19 0.00	23.86 1.33 0.00	24.06 1.45 0.00	25.06 1.28 0.00	28.24 1.37 0.00	30.06 1.59 0.00	31.23 1.96 0.00	34.93 2.62 0.00	41.62 2.66 -0.34	45.07 3.03 -0.01	41.05 3.46 -0.01	33.32 2.00 -0.54	29.82 1.05 -0.27	27.67 0.94 0.00	24.78 1.75 0.00
BLACK RIVER___HYD 24047	19.12 0.45 0.00	16.68 0.23 0.00	15.66 0.17 -0.01	15.33 0.27 -0.01	16.11 0.32 0.00	17.97 0.40 0.00	21.35 0.50 0.00	23.00 0.56 0.00	22.80 0.34 0.00	22.98 0.45 0.00	22.80 0.27 0.00	22.86 0.25 0.00	24.51 0.26 -0.47	28.21 0.35 -1.00	30.15 0.45 -1.23	31.11 0.47 -1.37	34.75 0.58 -1.86	42.41 0.97 -2.83	47.11 1.72 -3.35	41.15 1.54 -2.02	33.89 1.60 -1.51	31.01 1.40 -1.12	28.75 1.18 -0.83	23.98 0.94 0.00



BLACKRVR_115KV_TB2 79977	19.12 0.45 0.00	16.68 0.23 0.00	15.66 0.17 -0.01	15.33 0.27 -0.01	16.11 0.32 0.00	17.97 0.40 0.00	21.35 0.50 0.00	23.00 0.56 0.00	22.80 0.34 0.00	22.96 0.43 0.00	22.82 0.29 0.00	22.88 0.27 0.00	24.51 0.26 -0.48	28.19 0.32 -1.01	30.13 0.43 -1.24	31.12 0.47 -1.39	34.64 0.45 -1.88	42.40 0.93 -2.86	47.11 1.68 -3.38	41.13 1.50 -2.04	33.87 1.57 -1.52	31.02 1.40 -1.13	28.67 1.10 -0.84	23.98 0.94 0.00
BLISS_WT_PWR 323608	19.42 0.75 0.00	16.96 0.51 0.00	15.45 -0.06 -0.03	15.14 0.06 -0.04	15.92 0.13 0.00	18.05 0.49 0.00	21.01 0.17 0.00	23.00 0.56 0.00	23.34 0.88 0.00	23.77 1.24 0.00	23.57 1.04 0.00	23.79 1.18 0.00	25.10 1.33 0.00	28.50 1.64 0.00	30.37 1.91 0.00	31.32 2.05 0.00	35.12 2.81 0.00	41.88 2.93 -0.34	45.62 3.57 -0.01	41.35 3.76 -0.01	33.39 2.06 -0.54	29.91 1.14 -0.27	27.73 0.99 0.00	24.34 1.31 0.00
BLUE_CIRC_CHEM_DRP 24182	19.14 0.47 0.00	17.06 0.61 0.00	16.30 0.62 -0.19	15.88 0.60 -0.23	16.41 0.62 0.00	18.14 0.58 0.00	21.56 0.71 0.00	23.09 0.65 0.00	23.14 0.67 0.00	23.09 0.56 0.00	23.09 0.56 0.00	23.18 0.57 0.00	24.41 0.64 0.00	27.62 0.75 0.00	29.38 0.91 0.00	30.29 1.02 0.00	33.54 1.23 0.00	43.35 1.58 -3.16	43.82 1.72 -0.05	39.26 1.62 -0.05	37.03 1.29 -4.95	32.17 1.17 -2.51	27.62 0.88 0.00	23.75 0.71 0.00
BOC_GAS_DRP 24189	19.02 0.35 0.00	16.96 0.51 0.00	16.22 0.54 -0.19	15.79 0.51 -0.24	16.34 0.54 0.00	18.07 0.51 0.00	21.47 0.63 0.00	23.04 0.61 0.00	23.07 0.61 0.00	23.07 0.54 0.00	23.07 0.54 0.00	23.15 0.54 0.00	24.34 0.57 0.00	27.51 0.64 0.00	29.29 0.83 0.00	30.15 0.88 0.00	33.34 1.03 0.00	43.04 1.35 -3.08	43.48 1.39 -0.05	38.92 1.28 -0.05	36.63 1.02 -4.83	31.88 0.94 -2.44	27.46 0.72 0.00	23.56 0.53 0.00
BOONVILLE_115KV_TB1 79983	19.10 0.43 0.00	16.68 0.23 0.00	15.69 0.20 -0.01	15.31 0.26 -0.01	16.08 0.28 0.00	17.91 0.35 0.00	21.31 0.46 0.00	22.95 0.52 0.00	22.87 0.40 0.00	23.03 0.50 0.00	22.98 0.45 0.00	23.06 0.45 0.00	24.39 0.48 -0.14	27.77 0.62 -0.29	29.53 0.71 -0.35	30.46 0.79 -0.40	33.62 0.78 -0.54	40.55 1.12 -0.82	44.48 1.47 -0.97	39.41 1.24 -0.59	32.42 1.20 -0.43	29.87 1.05 -0.32	27.81 0.83 -0.24	23.75 0.71 0.00
BORALEX_4TH_BRANCH 23824	19.49 0.82 0.00	17.47 1.02 0.00	16.70 1.02 -0.19	16.28 0.99 -0.24	16.82 1.03 0.00	18.67 1.11 0.00	22.20 1.35 0.00	23.83 1.39 0.00	23.81 1.35 0.00	23.68 1.15 0.00	23.77 1.24 0.00	23.83 1.22 0.00	25.01 1.24 0.00	28.26 1.40 0.00	29.95 1.48 0.00	30.94 1.67 0.00	34.18 1.87 0.00	45.40 2.47 -4.31	44.68 2.56 -0.07	40.07 2.41 -0.07	39.49 1.94 -6.77	33.74 1.83 -3.42	28.21 1.47 0.00	24.23 1.20 0.00
BOWLINE___1 23526	19.53 0.86 0.00	17.45 1.00 0.00	16.62 0.99 -0.15	16.17 0.95 -0.18	16.78 0.98 0.00	18.62 1.05 0.00	22.22 1.38 0.00	23.97 1.53 0.00	23.99 1.53 0.00	23.99 1.46 0.00	24.06 1.53 0.00	24.08 1.47 0.00	25.20 1.43 0.00	28.42 1.56 0.00	30.26 1.79 0.00	31.35 2.08 0.00	34.47 2.16 0.00	43.38 3.01 -1.76	44.93 2.86 -0.03	40.06 2.44 -0.03	35.52 1.97 -2.76	31.77 1.88 -1.40	28.26 1.52 0.00	24.25 1.22 0.00
BOWLINE___2 23595	19.53 0.86 0.00	17.47 1.02 0.00	16.62 0.99 -0.15	16.17 0.95 -0.18	16.78 0.98 0.00	18.62 1.05 0.00	22.22 1.38 0.00	23.97 1.53 0.00	23.99 1.53 0.00	23.99 1.46 0.00	24.06 1.53 0.00	24.08 1.47 0.00	25.20 1.43 0.00	28.42 1.56 0.00	30.26 1.79 0.00	31.35 2.08 0.00	34.47 2.16 0.00	43.38 3.01 -1.76	44.93 2.86 -0.03	40.06 2.44 -0.03	35.52 1.97 -2.76	31.77 1.88 -1.40	28.26 1.52 0.00	24.25 1.22 0.00
BRADY___115KV_TB2 356060	18.35 -0.32 0.00	16.08 -0.36 0.00	15.13 -0.36 0.00	14.74 -0.30 0.00	15.48 -0.32 0.00	17.12 -0.44 0.00	20.33 -0.52 0.00	22.03 -0.40 0.00	21.99 -0.47 0.00	22.08 -0.45 0.00	22.01 -0.52 0.00	22.05 -0.57 0.00	23.20 -0.57 0.00	26.17 -0.70 0.00	27.53 -0.94 0.00	28.27 -1.00 0.00	30.53 -1.78 0.00	36.49 -2.12 0.00	40.06 -1.98 0.00	35.40 -2.18 0.01	29.62 -1.17 0.00	28.10 -0.40 0.00	26.58 -0.16 0.00	22.87 -0.16 0.00
BRANSCOMB___SOLAR 323811	19.68 1.01 0.00	17.53 1.09 0.00	16.72 1.04 -0.20	16.30 1.01 -0.25	16.84 1.04 0.00	18.69 1.12 0.00	22.24 1.40 0.00	23.85 1.41 0.00	23.88 1.42 0.00	23.77 1.24 0.00	23.79 1.26 0.00	23.88 1.27 0.00	25.15 1.38 0.00	28.23 1.37 0.00	29.92 1.45 0.00	30.88 1.61 0.00	34.21 1.91 0.00	46.56 2.78 -5.17	45.19 3.07 -0.09	40.53 2.86 -0.09	41.20 2.31 -8.11	34.67 2.08 -4.10	28.61 1.87 0.00	24.55 1.52 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	19.60 0.93 0.00	17.63 1.18 0.00	16.72 1.08 -0.15	16.25 1.02 -0.19	16.81 1.01 0.00	18.74 1.18 0.00	22.51 1.67 0.00	24.28 1.84 0.00	24.26 1.80 0.00	24.08 1.55 0.00	24.17 1.64 0.00	24.22 1.61 0.00	25.25 1.47 0.00	28.34 1.48 0.01	30.60 2.13 0.00	31.67 2.40 0.00	35.15 2.84 0.00	44.02 3.59 -1.82	45.38 3.32 -0.02	40.43 2.82 -0.02	36.47 2.83 -2.85	32.16 2.22 -1.44	28.88 2.14 0.00	25.83 1.89 -0.91
BRISTLHL_115KV_TB1 79998	18.65 -0.02 0.00	16.36 -0.08 0.00	15.39 -0.11 -0.01	14.97 -0.09 -0.02	15.72 -0.08 0.00	17.54 -0.02 0.00	20.78 -0.06 0.00	22.37 -0.07 0.00	22.35 -0.11 0.00	22.46 -0.07 0.00	22.46 -0.07 0.00	22.54 -0.07 0.00	24.71 -0.10 -1.03	28.93 -0.11 -2.18	31.09 -0.06 -2.68	32.30 0.03 -3.00	36.54 0.16 -4.07	44.92 0.12 -6.19	49.58 0.21 -7.33	42.33 0.34 -4.41	34.23 0.15 -3.29	30.92 -0.03 -2.45	28.43 -0.13 -1.82	23.01 -0.02 0.00
BROOKHAVEN___DRP 24191	19.40 0.73 0.00	17.50 1.05 0.00	16.60 0.96 -0.15	16.13 0.90 -0.19	16.64 0.84 0.00	18.56 1.00 0.00	22.35 1.50 0.00	24.10 1.66 0.00	24.08 1.62 0.00	23.84 1.31 0.00	23.86 1.33 0.00	23.90 1.29 0.00	24.89 1.12 0.00	27.99 1.13 0.01	30.26 1.79 0.00	31.32 2.05 0.00	34.80 2.49 0.00	43.59 3.17 -1.82	44.88 2.82 -0.02	39.98 2.37 -0.02	36.19 2.56 -2.85	31.87 1.94 -1.44	28.64 1.90 0.00	25.56 1.61 -0.91
BROOKLYN_NAVY_YARD 23515	19.62 0.95 0.00	17.53 1.09 0.00	16.72 1.08 -0.15	16.27 1.04 -0.19	16.86 1.06 0.00	18.70 1.14 0.00	22.37 1.52 0.00	24.14 1.70 0.00	24.19 1.73 0.00	24.20 1.67 0.00	24.20 1.67 0.00	24.19 1.58 0.00	25.32 1.54 0.00	28.59 1.72 0.00	30.43 1.96 0.00	31.52 2.25 0.00	34.54 2.23 0.00	43.71 3.28 -1.82	45.22 3.15 -0.03	40.21 2.59 -0.03	35.73 2.09 -2.85	31.96 2.02 -1.44	28.45 1.71 0.00	24.34 1.31 0.00
BROOKLYN___ARMY_DRP 323595	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00



BROOKVLE_69_KV_TB1 55790	19.68 1.01 0.00	17.61 1.17 0.00	16.75 1.11 -0.15	16.28 1.05 -0.19	16.86 1.06 0.00	18.76 1.19 0.00	22.47 1.63 0.00	24.23 1.80 0.00	24.28 1.82 0.00	24.22 1.69 0.00	24.31 1.78 0.00	24.35 1.74 0.00	25.46 1.69 0.00	28.69 1.83 0.00	30.80 2.33 0.00	31.79 2.52 0.00	35.02 2.71 0.00	43.94 3.51 -1.82	45.34 3.28 -0.03	40.36 2.74 -0.03	36.13 2.49 -2.85	32.19 2.25 -1.44	28.77 2.03 0.00	25.65 1.70 -0.91
BROOME_2_LFGE 323671	19.19 0.52 0.00	16.86 0.41 0.00	15.80 0.26 -0.05	15.41 0.30 -0.06	16.15 0.35 0.00	18.04 0.47 0.00	21.35 0.50 0.00	23.04 0.61 0.00	23.11 0.65 0.00	23.25 0.72 0.00	23.20 0.68 0.00	23.31 0.70 0.00	24.78 0.78 -0.23	28.26 0.91 -0.48	30.14 1.08 -0.59	31.13 1.20 -0.66	34.79 1.58 -0.90	42.35 1.74 -2.01	45.64 1.98 -1.62	40.48 1.92 -0.98	33.84 1.32 -1.73	30.51 0.97 -1.05	27.94 0.80 -0.40	23.82 0.78 0.00
BROOME___LFGE 323600	19.19 0.52 0.00	16.86 0.41 0.00	15.80 0.26 -0.05	15.41 0.30 -0.06	16.15 0.35 0.00	18.04 0.47 0.00	21.35 0.50 0.00	23.04 0.61 0.00	23.11 0.65 0.00	23.25 0.72 0.00	23.20 0.68 0.00	23.31 0.70 0.00	24.78 0.78 -0.23	28.26 0.91 -0.48	30.14 1.08 -0.59	31.13 1.20 -0.66	34.79 1.58 -0.90	42.35 1.74 -2.01	45.64 1.98 -1.62	40.48 1.92 -0.98	33.84 1.32 -1.73	30.51 0.97 -1.05	27.94 0.80 -0.40	23.82 0.78 0.00
BROWNFLS_115KV_TB_3_5 80003	18.56 -0.11 0.00	16.25 -0.20 0.00	15.27 -0.22 0.00	14.90 -0.15 -0.01	15.67 -0.13 0.00	17.39 -0.18 0.00	20.68 -0.17 0.00	22.35 -0.09 0.00	22.28 -0.18 0.00	22.33 -0.20 0.00	22.08 -0.45 0.00	22.09 -0.52 0.00	23.43 -0.55 -0.21	26.63 -0.67 -0.44	28.23 -0.77 -0.54	29.08 -0.79 -0.60	31.83 -1.29 -0.81	38.53 -1.31 -1.24	42.49 -1.01 -1.46	37.32 -1.17 -0.90	31.10 -0.34 -0.65	29.18 0.20 -0.48	27.36 0.27 -0.36	23.24 0.21 0.00
BROWNSV1_27_KV_LOAD 356125	19.77 1.10 0.00	17.66 1.22 0.00	16.85 1.21 -0.15	16.39 1.16 -0.19	16.97 1.17 0.00	18.83 1.26 0.00	22.51 1.67 0.00	24.28 1.84 0.00	24.37 1.91 0.00	24.40 1.87 0.00	24.35 1.82 0.00	24.33 1.72 0.00	25.56 1.78 0.00	28.93 2.07 0.00	30.89 2.42 0.00	31.79 2.52 0.00	35.05 2.75 0.00	44.21 3.78 -1.82	45.81 3.74 -0.03	40.74 3.12 -0.03	36.16 2.52 -2.85	32.33 2.39 -1.44	28.80 2.06 0.00	24.51 1.47 0.00
BURROWS___LYONSDAL 23803	19.06 0.39 0.00	16.64 0.20 0.00	15.66 0.17 -0.01	15.28 0.23 -0.01	16.07 0.27 0.00	17.88 0.32 0.00	21.26 0.42 0.00	22.93 0.49 0.00	22.82 0.36 0.00	22.98 0.45 0.00	22.89 0.36 0.00	22.97 0.36 0.00	24.32 0.38 -0.17	27.70 0.48 -0.35	29.47 0.57 -0.43	30.40 0.64 -0.48	33.55 0.58 -0.66	40.57 0.97 -1.00	44.56 1.35 -1.18	39.43 1.13 -0.71	32.45 1.14 -0.53	29.91 1.03 -0.39	27.86 0.83 -0.29	23.75 0.71 0.00
CAITHNESS_CC_1 323624	19.40 0.73 0.00	17.50 1.05 0.00	16.60 0.96 -0.15	16.13 0.90 -0.19	16.65 0.85 0.00	18.58 1.02 0.00	22.35 1.50 0.00	24.12 1.68 0.00	24.06 1.59 0.00	23.81 1.28 0.00	23.93 1.40 0.00	23.97 1.36 0.00	24.75 0.98 0.00	27.80 0.94 0.01	29.86 1.39 0.00	31.02 1.76 0.00	34.21 1.91 0.00	43.13 2.70 -1.82	44.54 2.48 -0.02	39.64 2.03 -0.02	35.27 1.63 -2.85	31.56 1.62 -1.44	27.89 1.15 0.00	25.60 1.66 -0.91
CALPINE BETH_PAGE_GT4 24209	19.60 0.93 0.00	17.56 1.12 0.00	16.69 1.05 -0.15	16.22 0.99 -0.19	16.78 0.98 0.00	18.69 1.12 0.00	22.43 1.58 0.00	24.19 1.75 0.00	24.19 1.73 0.00	24.08 1.55 0.00	24.17 1.64 0.00	24.24 1.63 0.00	25.22 1.45 0.00	28.31 1.45 0.01	30.49 2.02 0.00	31.40 2.14 0.00	34.76 2.46 0.00	43.59 3.17 -1.82	44.92 2.86 -0.02	39.98 2.37 -0.02	35.98 2.34 -2.85	31.85 1.91 -1.44	28.66 1.93 0.00	25.70 1.75 -0.91
CALPINE_BETH_PAGE_GT_4 323586	19.60 0.93 0.00	17.57 1.12 0.00	16.69 1.05 -0.15	16.21 0.98 -0.19	16.78 0.98 0.00	18.69 1.12 0.00	22.43 1.58 0.00	24.21 1.77 0.00	24.19 1.73 0.00	24.06 1.53 0.00	24.22 1.69 0.00	24.26 1.65 0.00	25.03 1.26 0.00	28.15 1.29 0.01	29.97 1.51 0.00	31.11 1.85 0.00	34.21 1.91 0.00	43.17 2.74 -1.82	44.59 2.52 -0.02	39.71 2.10 -0.02	35.21 1.57 -2.85	31.56 1.62 -1.44	27.99 1.26 0.00	25.76 1.82 -0.91
CALPINE_BP_GT1 23823	19.60 0.93 0.00	17.57 1.12 0.00	16.69 1.05 -0.15	16.21 0.98 -0.19	16.78 0.98 0.00	18.69 1.12 0.00	22.43 1.58 0.00	24.21 1.77 0.00	24.19 1.73 0.00	24.06 1.53 0.00	24.22 1.69 0.00	24.26 1.65 0.00	25.03 1.26 0.00	28.15 1.29 0.01	29.97 1.51 0.00	31.11 1.85 0.00	34.21 1.91 0.00	43.17 2.74 -1.82	44.59 2.52 -0.02	39.71 2.10 -0.02	35.21 1.57 -2.85	31.56 1.62 -1.44	27.99 1.26 0.00	25.76 1.82 -0.91
CALSPAN___DRP 24200	19.32 0.65 0.00	16.87 0.43 0.00	15.56 0.05 -0.03	14.99 -0.09 -0.03	15.85 0.05 0.00	17.91 0.35 0.00	20.78 -0.06 0.00	22.73 0.29 0.00	22.93 0.47 0.00	23.30 0.77 0.00	23.41 0.88 0.00	23.63 1.02 0.00	24.80 1.02 0.00	27.94 1.07 0.00	29.78 1.31 0.00	30.91 1.64 0.00	34.51 2.20 0.00	41.08 2.16 -0.31	44.65 2.61 -0.01	40.60 3.01 -0.01	32.97 1.69 -0.49	29.57 0.83 -0.25	27.49 0.75 0.00	24.44 1.40 0.00
CALVERTON___SOLAR 323806	19.40 0.73 0.00	17.53 1.09 0.00	16.61 0.98 -0.15	16.15 0.92 -0.19	16.67 0.87 0.00	18.58 1.02 0.00	22.39 1.54 0.00	24.17 1.73 0.00	24.10 1.64 0.00	23.81 1.28 0.00	23.90 1.37 0.00	23.94 1.33 0.00	24.70 0.93 0.00	27.77 0.91 0.01	29.86 1.39 0.00	31.02 1.76 0.00	34.25 1.94 0.00	43.21 2.78 -1.82	44.67 2.61 -0.02	39.71 2.10 -0.02	35.36 1.72 -2.85	31.62 1.68 -1.44	27.94 1.20 0.00	25.63 1.68 -0.91
CANDIGU_WT_PWR 323617	19.36 0.69 0.00	16.92 0.48 0.00	15.61 0.09 -0.04	15.22 0.14 -0.04	15.99 0.19 0.00	18.02 0.46 0.00	21.16 0.31 0.00	23.00 0.56 0.00	23.20 0.74 0.00	23.48 0.95 0.00	23.43 0.90 0.00	23.60 0.99 0.00	25.01 1.12 -0.12	28.47 1.34 -0.26	30.38 1.59 -0.32	31.29 1.67 -0.36	35.09 2.29 -0.48	42.16 2.39 -1.16	45.90 2.99 -0.88	41.09 2.97 -0.53	33.65 1.82 -1.05	30.26 1.14 -0.63	28.00 1.04 -0.22	24.21 1.17 0.00
CARR STREET_E._SYR 24060	18.73 0.06 0.00	16.43 -0.02 0.00	15.45 -0.05 -0.02	15.02 -0.05 -0.02	15.77 -0.03 0.00	17.60 0.04 0.00	20.87 0.02 0.00	22.46 0.02 0.00	22.48 0.02 0.00	22.60 0.07 0.00	22.57 0.05 0.00	22.68 0.07 0.00	24.20 0.12 -0.31	27.63 0.11 -0.65	29.39 0.11 -0.81	30.35 0.18 -0.90	33.92 0.39 -1.22	40.93 0.31 -2.01	44.66 0.42 -2.20	39.33 0.41 -1.33	32.20 0.19 -1.22	29.32 -0.03 -0.85	27.31 0.03 -0.55	23.08 0.05 0.00
CARTHAGE___PAPER 23857	18.95 0.28 0.00	16.55 0.10 0.00	15.55 0.06 -0.01	15.21 0.15 -0.01	15.99 0.19 0.00	17.81 0.25 0.00	21.20 0.35 0.00	22.84 0.40 0.00	22.66 0.20 0.00	22.80 0.27 0.00	22.62 0.09 0.00	22.66 0.05 0.00	24.22 0.05 -0.40	27.78 0.08 -0.84	29.64 0.14 -1.03	30.54 0.12 -1.16	34.04 0.16 -1.57	41.42 0.43 -2.39	45.95 1.09 -2.82	40.19 0.90 -1.71	33.22 1.17 -1.27	30.55 1.11 -0.94	28.40 0.96 -0.70	23.77 0.74 0.00



CASSADAGA_WT_PWR 323784	19.68 1.01 0.00	17.11 0.66 0.00	15.59 0.08 -0.03	15.20 0.12 -0.04	16.00 0.20 0.00	18.18 0.61 0.00	21.29 0.44 0.00	23.60 1.17 0.00	24.10 1.64 0.00	24.67 2.14 0.00	24.56 2.03 0.00	24.78 2.17 0.00	26.22 2.45 0.00	29.82 2.96 0.00	31.77 3.30 0.00	32.78 3.51 0.00	36.80 4.49 0.00	43.89 4.94 -0.34	47.76 5.72 -0.01	43.34 5.75 -0.01	34.83 3.51 -0.53	31.21 2.45 -0.27	28.80 2.06 0.00	25.15 2.12 0.00
CE_DUNWOOD___DRP 24194	19.58 0.91 0.00	17.52 1.07 0.00	16.69 1.05 -0.15	16.25 1.02 -0.19	16.82 1.03 0.00	18.67 1.11 0.00	22.31 1.46 0.00	24.01 1.57 0.00	24.10 1.64 0.00	24.11 1.58 0.00	24.11 1.58 0.00	24.10 1.49 0.00	25.32 1.55 0.00	28.61 1.75 0.00	30.57 2.11 0.00	31.49 2.22 0.00	34.76 2.46 0.00	43.70 3.28 -1.81	45.31 3.24 -0.03	40.32 2.71 -0.03	35.85 2.22 -2.85	32.01 2.08 -1.44	28.48 1.74 0.00	24.28 1.24 0.00
CE_MILLWOOD___DRP 24193	19.57 0.90 0.00	17.50 1.05 0.00	16.67 1.04 -0.15	16.22 0.99 -0.19	16.81 1.01 0.00	18.65 1.09 0.00	22.26 1.42 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.06 1.53 0.00	24.06 1.53 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.56 1.69 0.00	30.52 2.05 0.00	31.43 2.17 0.00	34.73 2.42 0.00	43.62 3.20 -1.81	45.18 3.11 -0.03	40.29 2.67 -0.03	35.81 2.19 -2.83	31.98 2.05 -1.43	28.45 1.71 0.00	24.25 1.22 0.00
CE_NYC2_DRP 24202	19.66 0.99 0.00	17.58 1.13 0.00	16.78 1.15 -0.15	16.33 1.10 -0.19	16.90 1.11 0.00	18.69 1.12 0.00	22.31 1.46 0.00	24.01 1.57 0.00	24.12 1.66 0.00	24.15 1.62 0.00	24.13 1.60 0.00	24.13 1.51 0.00	25.32 1.55 0.00	28.69 1.83 0.00	30.60 2.13 0.00	31.49 2.22 0.00	34.73 2.42 0.00	43.79 3.36 -1.82	45.39 3.32 -0.03	40.25 2.63 -0.03	35.79 2.15 -2.85	32.05 2.11 -1.44	28.56 1.82 0.00	24.35 1.31 0.00
CE_NYC_DRP 24195	19.66 0.99 0.00	17.56 1.12 0.00	16.75 1.11 -0.15	16.32 1.08 -0.19	16.89 1.09 0.00	18.74 1.18 0.00	22.39 1.54 0.00	24.12 1.68 0.00	24.21 1.75 0.00	24.24 1.71 0.00	24.20 1.67 0.00	24.19 1.58 0.00	25.39 1.62 0.00	28.75 1.88 0.00	30.69 2.22 0.00	31.58 2.31 0.00	34.83 2.52 0.00	43.90 3.47 -1.82	45.48 3.41 -0.03	40.44 2.82 -0.03	35.92 2.28 -2.85	32.10 2.17 -1.44	28.61 1.87 0.00	24.35 1.31 0.00
CHAFFEE___LFGE 323603	19.36 0.69 0.00	16.91 0.46 0.00	15.50 -0.02 -0.03	15.10 0.02 -0.04	15.86 0.06 0.00	17.95 0.39 0.00	20.83 -0.02 0.00	22.71 0.27 0.00	23.02 0.56 0.00	23.41 0.88 0.00	23.30 0.77 0.00	23.52 0.91 0.00	24.87 1.09 0.00	28.23 1.37 0.00	30.12 1.65 0.00	31.02 1.76 0.00	34.80 2.49 0.00	41.48 2.55 -0.33	45.24 3.19 -0.01	40.98 3.38 -0.01	33.08 1.78 -0.51	29.69 0.94 -0.26	27.57 0.83 0.00	24.23 1.20 0.00
CHATEAUG_35_KV_LOAD 355732	18.41 -0.26 0.00	16.10 -0.35 0.00	15.11 -0.37 0.00	14.68 -0.36 0.00	15.40 -0.39 0.00	17.05 -0.51 0.00	20.41 -0.44 0.00	22.21 -0.22 0.00	22.24 -0.22 0.00	22.42 -0.11 0.00	22.46 -0.07 0.00	22.57 -0.05 0.00	23.75 -0.02 0.00	26.78 -0.08 0.00	28.24 -0.23 0.00	29.06 -0.20 0.00	31.89 -0.42 0.00	38.03 -0.58 0.00	41.74 -0.29 0.00	36.87 -0.71 0.00	30.63 -0.15 0.00	28.52 0.03 0.00	26.98 0.24 0.00	23.15 0.12 0.00
CHATEAUG_WT_PWR 323614	18.43 -0.24 0.00	16.12 -0.33 0.00	15.14 -0.34 0.00	14.71 -0.33 0.00	15.44 -0.36 0.00	17.11 -0.46 0.00	20.45 -0.40 0.00	22.28 -0.16 0.00	22.33 -0.13 0.00	22.51 -0.02 0.00	22.55 0.02 0.00	22.66 0.05 0.00	23.87 0.10 0.00	26.89 0.03 0.00	28.41 -0.06 0.00	29.21 -0.06 0.00	32.02 -0.29 0.00	38.15 -0.46 0.00	41.87 -0.17 0.00	37.02 -0.56 0.00	30.82 0.03 0.00	28.64 0.14 0.00	27.03 0.29 0.00	23.22 0.18 0.00
CHAT_HIGH_FALL_HYD 323578	18.41 -0.26 0.00	16.10 -0.35 0.00	15.11 -0.37 0.00	14.68 -0.36 0.00	15.40 -0.39 0.00	17.05 -0.51 0.00	20.41 -0.44 0.00	22.21 -0.22 0.00	22.24 -0.22 0.00	22.42 -0.11 0.00	22.46 -0.07 0.00	22.57 -0.05 0.00	23.75 -0.02 0.00	26.78 -0.08 0.00	28.30 -0.17 0.00	29.06 -0.20 0.00	31.89 -0.42 0.00	38.03 -0.58 0.00	41.75 -0.29 0.00	36.91 -0.68 0.00	30.72 -0.06 0.00	28.55 0.06 0.00	26.98 0.24 0.00	23.17 0.14 0.00
CHAUTAUQUA___LFGE 323629	19.71 1.04 0.00	17.20 0.76 0.00	15.75 0.23 -0.03	15.32 0.24 -0.04	16.13 0.33 0.00	18.27 0.70 0.00	21.33 0.48 0.00	23.34 0.90 0.00	23.72 1.26 0.00	24.20 1.67 0.00	24.11 1.58 0.00	24.33 1.72 0.00	25.72 1.95 0.00	29.20 2.34 0.00	31.14 2.68 0.00	32.11 2.84 0.00	36.02 3.71 0.00	42.92 3.98 -0.33	46.75 4.71 -0.01	42.37 4.77 -0.01	34.17 2.86 -0.52	30.67 1.91 -0.26	28.40 1.66 0.00	24.88 1.84 0.00
CHERRYST_13_KV_LD 356241	19.72 1.05 0.00	17.61 1.17 0.00	16.80 1.16 -0.15	16.35 1.11 -0.19	16.92 1.12 0.00	18.77 1.21 0.00	22.43 1.58 0.00	24.19 1.75 0.00	24.30 1.84 0.00	24.33 1.80 0.00	24.29 1.76 0.00	24.26 1.65 0.00	25.48 1.71 0.00	28.85 1.99 0.00	30.80 2.33 0.00	31.70 2.43 0.00	34.96 2.65 0.00	44.06 3.63 -1.82	45.64 3.57 -0.03	40.59 2.97 -0.03	36.04 2.40 -2.85	32.19 2.25 -1.44	28.69 1.95 0.00	24.41 1.38 0.00
CHESTROR_138KV_BK263 355645	19.45 0.78 0.00	17.37 0.92 0.00	16.54 0.91 -0.14	16.09 0.87 -0.17	16.68 0.88 0.00	18.53 0.97 0.00	22.10 1.25 0.00	23.79 1.35 0.00	23.85 1.39 0.00	23.88 1.35 0.00	23.88 1.35 0.00	23.90 1.29 0.00	25.08 1.31 0.00	28.34 1.48 0.00	30.23 1.76 0.00	31.17 1.90 0.00	34.47 2.16 0.00	43.15 2.86 -1.68	44.80 2.73 -0.03	40.02 2.41 -0.03	35.37 1.94 -2.64	31.68 1.85 -1.34	28.23 1.50 0.00	24.16 1.13 0.00
CH_MIDHUDSON___DRP 24192	19.53 0.86 0.00	17.48 1.04 0.00	16.66 1.02 -0.15	16.21 0.98 -0.19	16.79 1.00 0.00	18.63 1.07 0.00	22.22 1.38 0.00	23.92 1.48 0.00	23.92 1.46 0.00	23.90 1.37 0.00	23.93 1.40 0.00	23.92 1.31 0.00	25.10 1.33 0.00	28.40 1.53 0.00	30.29 1.82 0.00	31.20 1.93 0.00	34.67 2.36 0.00	43.60 3.13 -1.86	45.06 2.98 -0.03	40.25 2.63 -0.03	35.83 2.12 -2.92	32.00 2.02 -1.48	28.39 1.66 0.00	24.25 1.22 0.00
CH_MISC_IPPS 23765	19.62 0.95 0.00	17.53 1.09 0.00	16.70 1.07 -0.15	16.25 1.02 -0.19	16.84 1.04 0.00	18.69 1.12 0.00	22.33 1.48 0.00	24.06 1.62 0.00	24.19 1.73 0.00	24.22 1.69 0.00	24.31 1.78 0.00	24.26 1.65 0.00	25.41 1.64 0.00	28.64 1.77 0.00	30.52 2.05 0.00	31.67 2.40 0.00	34.73 2.42 0.00	43.80 3.36 -1.83	45.22 3.15 -0.03	40.40 2.78 -0.03	35.90 2.25 -2.87	32.11 2.16 -1.45	28.45 1.71 0.00	24.44 1.41 0.00
CH_RES_BVR_FALLS 23983	18.37 -0.30 0.00	16.12 -0.33 0.00	15.14 -0.34 0.00	14.71 -0.33 0.00	15.45 -0.35 0.00	16.96 -0.60 0.00	20.18 -0.67 0.00	21.83 -0.60 0.00	21.95 -0.52 0.00	22.06 -0.47 0.00	22.08 -0.45 0.00	22.16 -0.45 0.00	23.30 -0.48 0.00	26.33 -0.54 0.00	27.81 -0.65 0.00	28.54 -0.73 0.00	31.31 -1.00 0.00	37.41 -1.20 0.00	40.78 -1.26 0.00	36.31 -1.28 0.00	30.05 -0.74 0.00	27.92 -0.57 0.00	26.34 -0.40 0.00	22.66 -0.37 0.00



CH_RES_NIAGARA 23895	18.67 0.00 0.00	16.23 -0.21 0.00	15.17 -0.34 -0.03	14.59 -0.48 -0.03	15.34 -0.46 0.00	17.21 -0.35 0.00	19.89 -0.96 0.00	21.56 -0.88 0.00	21.86 -0.61 0.00	22.17 -0.36 0.00	22.30 -0.23 0.00	22.50 -0.11 0.00	23.77 0.00 0.00	26.89 0.03 0.00	28.72 0.26 0.00	29.53 0.26 0.00	33.05 0.74 0.00	39.32 0.43 -0.28	43.05 1.01 0.00	38.91 1.31 0.00	31.54 0.31 -0.44	28.32 -0.40 -0.22	26.42 -0.32 0.00	23.40 0.37 0.00
CH_RES_SYRACUSE 23985	18.82 0.15 0.00	16.51 0.07 0.00	15.52 0.02 -0.02	15.10 0.03 -0.02	15.85 0.05 0.00	17.69 0.12 0.00	20.97 0.13 0.00	22.57 0.14 0.00	22.60 0.14 0.00	22.71 0.18 0.00	22.69 0.16 0.00	22.79 0.18 0.00	24.56 0.21 -0.58	28.38 0.30 -1.22	30.33 0.37 -1.50	31.39 0.44 -1.68	35.26 0.68 -2.28	42.90 0.66 -3.63	46.97 0.84 -4.10	40.84 0.79 -2.46	33.42 0.52 -2.11	30.29 0.28 -1.51	27.97 0.21 -1.02	23.24 0.21 0.00
CLINTON_WT_PWR 323605	18.43 -0.24 0.00	16.12 -0.33 0.00	15.14 -0.34 0.00	14.71 -0.33 0.00	15.44 -0.36 0.00	17.11 -0.46 0.00	20.45 -0.40 0.00	22.28 -0.16 0.00	22.33 -0.13 0.00	22.51 -0.02 0.00	22.55 0.02 0.00	22.66 0.05 0.00	23.87 0.10 0.00	26.89 0.03 0.00	28.41 -0.06 0.00	29.21 -0.06 0.00	32.02 -0.29 0.00	38.15 -0.46 0.00	41.87 -0.17 0.00	37.02 -0.56 0.00	30.82 0.03 0.00	28.64 0.14 0.00	27.03 0.29 0.00	23.22 0.18 0.00
CLINTON___LFGE 323618	18.63 -0.04 0.00	16.30 -0.15 0.00	15.30 -0.19 0.00	14.87 -0.18 0.00	15.61 -0.19 0.00	17.28 -0.28 0.00	20.66 -0.19 0.00	22.55 0.11 0.00	22.57 0.11 0.00	22.76 0.23 0.00	22.82 0.29 0.00	22.93 0.32 0.00	24.15 0.38 0.00	27.24 0.38 0.00	28.78 0.31 0.00	29.62 0.35 0.00	32.57 0.26 0.00	38.80 0.19 0.00	42.67 0.63 0.00	37.62 0.04 0.00	31.28 0.49 0.00	29.01 0.51 0.00	27.35 0.62 0.00	23.49 0.46 0.00
COBBLENY_34_KV_TB1 80064	19.36 0.69 0.00	16.91 0.46 0.00	15.54 0.03 -0.03	14.99 -0.09 -0.04	15.88 0.08 0.00	17.95 0.39 0.00	20.83 -0.02 0.00	22.82 0.38 0.00	23.02 0.56 0.00	23.41 0.88 0.00	23.54 1.01 0.00	23.76 1.15 0.00	24.87 1.09 0.00	28.02 1.16 0.00	29.86 1.39 0.00	31.02 1.76 0.00	34.67 2.36 0.00	41.29 2.36 -0.33	44.82 2.77 -0.01	40.79 3.19 -0.01	33.11 1.82 -0.51	29.67 0.91 -0.26	27.54 0.80 0.00	24.55 1.52 0.00
COFFEEN___115KV_TB3 355620	19.25 0.58 0.00	16.76 0.31 0.00	15.74 0.25 -0.01	15.40 0.35 -0.01	16.21 0.41 0.00	18.07 0.51 0.00	21.49 0.65 0.00	23.13 0.70 0.00	22.91 0.45 0.00	23.09 0.56 0.00	22.93 0.41 0.00	23.00 0.38 0.00	24.64 0.38 -0.49	28.38 0.48 -1.03	30.34 0.60 -1.27	31.31 0.61 -1.43	34.89 0.65 -1.93	42.78 1.24 -2.94	47.62 2.10 -3.48	41.60 1.92 -2.10	34.28 1.94 -1.56	31.34 1.68 -1.16	28.91 1.31 -0.86	24.16 1.13 0.00
COLDSPRG_115KV_BK1 355956	19.94 1.27 0.00	17.37 0.92 0.00	15.86 0.34 -0.03	15.31 0.23 -0.04	16.29 0.49 0.00	18.44 0.88 0.00	21.58 0.73 0.00	23.99 1.55 0.00	24.30 1.84 0.00	24.81 2.28 0.00	24.94 2.41 0.00	25.19 2.58 0.00	26.20 2.42 0.00	29.58 2.71 0.00	31.48 3.02 0.00	32.75 3.48 0.00	36.67 4.36 0.00	43.75 4.79 -0.35	47.30 5.25 -0.01	43.15 5.56 -0.01	34.91 3.57 -0.56	31.25 2.48 -0.28	28.85 2.11 0.00	25.75 2.72 0.00
COLONIE_LFGE___ 323577	19.36 0.69 0.00	17.28 0.84 0.00	16.52 0.84 -0.20	16.10 0.81 -0.24	16.63 0.84 0.00	18.44 0.88 0.00	21.93 1.08 0.00	23.54 1.10 0.00	23.56 1.10 0.00	23.48 0.95 0.00	23.52 0.99 0.00	23.60 0.99 0.00	24.82 1.04 0.00	28.02 1.15 0.00	29.72 1.25 0.00	30.70 1.43 0.00	33.92 1.61 0.00	45.56 2.20 -4.75	44.43 2.31 -0.08	39.81 2.14 -0.08	39.96 1.72 -7.45	33.83 1.57 -3.77	28.02 1.28 0.00	24.07 1.04 0.00
COOPERNY_115KV_TB1 80082	19.34 0.67 0.00	17.20 0.76 0.00	16.35 0.76 -0.11	15.92 0.74 -0.14	16.54 0.74 0.00	18.35 0.79 0.00	21.89 1.04 0.00	23.56 1.12 0.00	23.61 1.15 0.00	23.66 1.13 0.00	23.66 1.13 0.00	23.67 1.06 0.00	24.87 1.09 0.00	28.10 1.24 0.00	29.98 1.51 0.00	30.88 1.61 0.00	34.12 1.81 0.00	42.34 2.39 -1.33	44.42 2.35 -0.02	39.64 2.03 -0.02	34.54 1.66 -2.09	31.12 1.57 -1.06	27.99 1.26 0.00	23.98 0.94 0.00
COPENHAGEN_WT_PWR 323753	19.06 0.39 0.00	16.63 0.18 0.00	15.63 0.14 -0.01	15.28 0.23 -0.01	16.07 0.27 0.00	17.91 0.35 0.00	21.29 0.44 0.00	22.91 0.47 0.00	22.75 0.29 0.00	22.91 0.38 0.00	22.75 0.23 0.00	22.81 0.20 0.00	24.50 0.21 -0.51	28.23 0.30 -1.07	30.19 0.40 -1.32	31.16 0.41 -1.48	34.86 0.55 -2.01	42.51 0.85 -3.05	47.21 1.56 -3.61	41.15 1.39 -2.18	33.86 1.45 -1.62	30.95 1.25 -1.21	28.68 1.04 -0.90	23.86 0.83 0.00
CORNELL___ 23752	19.30 0.63 0.00	16.91 0.46 0.00	15.88 0.36 -0.04	15.47 0.38 -0.04	16.24 0.44 0.00	18.16 0.60 0.00	21.53 0.69 0.00	23.29 0.85 0.00	23.27 0.81 0.00	23.39 0.86 0.00	23.41 0.88 0.00	23.49 0.88 0.00	25.00 0.90 -0.32	28.59 1.05 -0.67	30.55 1.25 -0.83	31.57 1.38 -0.93	35.28 1.71 -1.26	43.00 2.05 -2.34	46.71 2.40 -2.27	41.25 2.29 -1.37	34.20 1.72 -1.69	30.90 1.31 -1.10	28.40 1.10 -0.56	24.09 1.06 0.00
CORONA_AV_69_KV_TB1 355595	19.58 0.91 0.00	17.52 1.07 0.00	16.64 1.01 -0.15	16.18 0.95 -0.19	16.75 0.95 0.00	18.63 1.07 0.00	22.37 1.52 0.00	24.10 1.66 0.00	24.12 1.66 0.00	24.04 1.51 0.00	24.15 1.62 0.00	24.19 1.58 0.00	25.25 1.47 0.00	28.39 1.53 0.01	30.46 1.99 0.00	31.46 2.20 0.00	34.83 2.52 0.00	43.59 3.17 -1.82	44.96 2.90 -0.02	40.05 2.44 -0.02	36.04 2.40 -2.85	31.93 1.99 -1.44	28.64 1.90 0.00	25.67 1.73 -0.91
CORTLAND_115KV_TB3 80093	19.14 0.47 0.00	16.78 0.33 0.00	15.76 0.25 -0.03	15.34 0.26 -0.04	16.11 0.32 0.00	17.98 0.42 0.00	21.35 0.50 0.00	23.04 0.61 0.00	23.02 0.56 0.00	23.14 0.61 0.00	23.16 0.63 0.00	23.27 0.66 0.00	24.77 0.67 -0.33	28.34 0.78 -0.69	30.26 0.94 -0.85	31.28 1.05 -0.96	34.90 1.29 -1.30	42.46 1.54 -2.31	46.14 1.77 -2.34	40.69 1.69 -1.41	33.62 1.26 -1.57	30.48 0.94 -1.04	28.07 0.75 -0.58	23.79 0.76 0.00
COXSACKIE___GT 23611	19.45 0.78 0.00	17.38 0.94 0.00	16.47 0.80 -0.18	16.08 0.81 -0.22	16.73 0.93 0.00	18.49 0.93 0.00	22.06 1.21 0.00	23.67 1.23 0.00	23.72 1.26 0.00	23.57 1.04 0.00	23.59 1.06 0.00	23.60 0.99 0.00	24.77 1.00 0.00	28.02 1.15 0.00	29.80 1.34 0.00	30.96 1.70 0.00	34.51 2.20 0.00	44.53 2.93 -2.99	45.24 3.15 -0.05	40.53 2.89 -0.05	37.78 2.31 -4.69	33.03 2.16 -2.37	28.45 1.71 0.00	24.53 1.50 0.00
CPV_VALLEY___CC1 323721	19.36 0.69 0.00	17.27 0.82 0.00	16.42 0.80 -0.13	15.99 0.78 -0.16	16.59 0.79 0.00	18.41 0.84 0.00	21.95 1.10 0.00	23.65 1.21 0.00	23.70 1.23 0.00	23.70 1.17 0.00	23.77 1.24 0.00	23.79 1.18 0.00	24.91 1.14 0.00	28.10 1.24 0.00	29.92 1.45 0.00	30.96 1.70 0.00	34.08 1.78 0.00	42.65 2.47 -1.57	44.42 2.35 -0.03	39.64 2.03 -0.03	34.88 1.63 -2.47	31.31 1.57 -1.25	27.97 1.23 0.00	24.02 0.99 0.00



CPV_VALLEY___CC2 323722	19.36 0.69 0.00	17.27 0.82 0.00	16.42 0.80 -0.13	15.99 0.78 -0.16	16.59 0.79 0.00	18.41 0.84 0.00	21.95 1.10 0.00	23.65 1.21 0.00	23.70 1.23 0.00	23.70 1.17 0.00	23.77 1.24 0.00	23.79 1.18 0.00	24.91 1.14 0.00	28.10 1.24 0.00	29.92 1.45 0.00	30.96 1.70 0.00	34.08 1.78 0.00	42.65 2.47 -1.57	44.42 2.35 -0.03	39.64 2.03 -0.03	34.88 1.63 -2.47	31.31 1.57 -1.25	27.97 1.23 0.00	24.02 0.99 0.00
CRESCENT___HYD 24018	19.36 0.69 0.00	17.28 0.84 0.00	16.52 0.84 -0.20	16.10 0.81 -0.24	16.63 0.84 0.00	18.44 0.88 0.00	21.93 1.08 0.00	23.54 1.10 0.00	23.56 1.10 0.00	23.48 0.95 0.00	23.52 0.99 0.00	23.60 0.99 0.00	24.82 1.04 0.00	28.02 1.15 0.00	29.72 1.25 0.00	30.70 1.43 0.00	33.92 1.61 0.00	45.56 2.20 -4.75	44.43 2.31 -0.08	39.81 2.14 -0.08	39.96 1.72 -7.45	33.83 1.57 -3.77	28.02 1.28 0.00	24.07 1.04 0.00
CRICKET___VALLEY_CC1 323756	19.38 0.71 0.00	17.38 0.94 0.00	16.58 0.93 -0.16	16.15 0.90 -0.20	16.71 0.92 0.00	18.54 0.98 0.00	22.06 1.21 0.00	23.69 1.26 0.00	23.70 1.23 0.00	23.66 1.13 0.00	23.74 1.22 0.00	23.76 1.15 0.00	24.91 1.14 0.00	28.10 1.24 0.00	29.89 1.42 0.00	30.91 1.64 0.00	34.05 1.74 0.00	43.01 2.43 -1.97	44.38 2.31 -0.03	39.65 2.03 -0.03	35.50 1.63 -3.09	31.65 1.59 -1.56	27.97 1.23 0.00	24.00 0.97 0.00
CRICKET___VALLEY_CC2 323757	19.38 0.71 0.00	17.38 0.94 0.00	16.58 0.93 -0.16	16.15 0.90 -0.20	16.71 0.92 0.00	18.54 0.98 0.00	22.06 1.21 0.00	23.69 1.26 0.00	23.70 1.23 0.00	23.66 1.13 0.00	23.74 1.22 0.00	23.76 1.15 0.00	24.91 1.14 0.00	28.10 1.24 0.00	29.89 1.42 0.00	30.91 1.64 0.00	34.05 1.74 0.00	43.01 2.43 -1.97	44.38 2.31 -0.03	39.65 2.03 -0.03	35.50 1.63 -3.09	31.65 1.59 -1.56	27.97 1.23 0.00	24.00 0.97 0.00
CRICKET___VALLEY_CC3 323758	19.38 0.71 0.00	17.38 0.94 0.00	16.58 0.93 -0.16	16.15 0.90 -0.20	16.71 0.92 0.00	18.54 0.98 0.00	22.06 1.21 0.00	23.69 1.26 0.00	23.70 1.23 0.00	23.66 1.13 0.00	23.74 1.22 0.00	23.76 1.15 0.00	24.91 1.14 0.00	28.10 1.24 0.00	29.89 1.42 0.00	30.91 1.64 0.00	34.05 1.74 0.00	43.01 2.43 -1.97	44.38 2.31 -0.03	39.65 2.03 -0.03	35.50 1.63 -3.09	31.65 1.59 -1.56	27.97 1.23 0.00	24.00 0.97 0.00
CRUCIBLE_METL_DRP 24180	18.82 0.15 0.00	16.51 0.07 0.00	15.52 0.02 -0.02	15.08 0.02 -0.02	15.85 0.05 0.00	17.69 0.12 0.00	20.97 0.13 0.00	22.60 0.16 0.00	22.62 0.16 0.00	22.71 0.18 0.00	22.71 0.18 0.00	22.81 0.20 0.00	24.56 0.21 -0.58	28.35 0.27 -1.22	30.31 0.34 -1.50	31.39 0.44 -1.68	35.20 0.61 -2.28	42.86 0.62 -3.63	46.89 0.76 -4.10	40.84 0.79 -2.47	33.42 0.52 -2.11	30.29 0.28 -1.51	27.94 0.19 -1.02	23.26 0.23 0.00
DAHOWA___HYDRO 323763	19.77 1.10 0.00	17.60 1.15 0.00	16.79 1.10 -0.20	16.36 1.07 -0.25	16.92 1.12 0.00	18.77 1.21 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.01 1.55 0.00	23.90 1.37 0.00	23.90 1.37 0.00	23.99 1.38 0.00	25.30 1.52 0.00	28.34 1.48 0.00	30.00 1.54 0.00	30.94 1.67 0.00	34.35 2.04 0.00	46.81 2.97 -5.22	45.49 3.36 -0.09	40.76 3.08 -0.09	41.51 2.52 -8.20	34.87 2.22 -4.15	28.80 2.06 0.00	24.69 1.66 0.00
DANC___LFGE 323619	18.88 0.21 0.00	16.51 0.07 0.00	15.51 0.02 -0.01	15.13 0.08 -0.01	15.91 0.11 0.00	17.74 0.18 0.00	21.08 0.23 0.00	22.66 0.22 0.00	22.55 0.09 0.00	22.71 0.18 0.00	22.60 0.07 0.00	22.68 0.07 0.00	24.46 0.05 -0.64	28.32 0.11 -1.34	30.32 0.20 -1.66	31.33 0.21 -1.85	35.18 0.36 -2.51	42.93 0.50 -3.82	47.53 0.97 -4.52	41.21 0.90 -2.72	33.68 0.86 -2.03	30.72 0.71 -1.51	28.42 0.56 -1.12	23.49 0.46 0.00
DANSKAMMER___1 23586	19.62 0.95 0.00	17.53 1.09 0.00	16.70 1.07 -0.15	16.25 1.02 -0.19	16.84 1.04 0.00	18.69 1.12 0.00	22.33 1.48 0.00	24.06 1.62 0.00	24.19 1.73 0.00	24.22 1.69 0.00	24.31 1.78 0.00	24.26 1.65 0.00	25.41 1.64 0.00	28.64 1.77 0.00	30.52 2.05 0.00	31.67 2.40 0.00	34.73 2.42 0.00	43.80 3.36 -1.83	45.22 3.15 -0.03	40.40 2.78 -0.03	35.90 2.25 -2.87	32.11 2.16 -1.45	28.45 1.71 0.00	24.44 1.41 0.00
DANSKAMMER___2 23589	19.62 0.95 0.00	17.53 1.09 0.00	16.70 1.07 -0.15	16.25 1.02 -0.19	16.84 1.04 0.00	18.69 1.12 0.00	22.33 1.48 0.00	24.06 1.62 0.00	24.19 1.73 0.00	24.22 1.69 0.00	24.31 1.78 0.00	24.26 1.65 0.00	25.41 1.64 0.00	28.64 1.77 0.00	30.52 2.05 0.00	31.67 2.40 0.00	34.73 2.42 0.00	43.80 3.36 -1.83	45.22 3.15 -0.03	40.40 2.78 -0.03	35.90 2.25 -2.87	32.11 2.16 -1.45	28.45 1.71 0.00	24.44 1.41 0.00
DANSKAMMER___3 23590	19.62 0.95 0.00	17.53 1.09 0.00	16.70 1.07 -0.15	16.25 1.02 -0.19	16.84 1.04 0.00	18.69 1.12 0.00	22.33 1.48 0.00	24.06 1.62 0.00	24.19 1.73 0.00	24.22 1.69 0.00	24.31 1.78 0.00	24.26 1.65 0.00	25.41 1.64 0.00	28.64 1.77 0.00	30.52 2.05 0.00	31.67 2.40 0.00	34.73 2.42 0.00	43.80 3.36 -1.83	45.22 3.15 -0.03	40.40 2.78 -0.03	35.90 2.25 -2.87	32.11 2.16 -1.45	28.45 1.71 0.00	24.44 1.41 0.00
DANSKAMMER___4 23591	19.62 0.95 0.00	17.53 1.09 0.00	16.70 1.07 -0.15	16.25 1.02 -0.19	16.84 1.04 0.00	18.69 1.12 0.00	22.33 1.48 0.00	24.06 1.62 0.00	24.19 1.73 0.00	24.22 1.69 0.00	24.31 1.78 0.00	24.26 1.65 0.00	25.41 1.64 0.00	28.64 1.77 0.00	30.52 2.05 0.00	31.67 2.40 0.00	34.73 2.42 0.00	43.80 3.36 -1.83	45.22 3.15 -0.03	40.40 2.78 -0.03	35.90 2.25 -2.87	32.11 2.16 -1.45	28.45 1.71 0.00	24.44 1.41 0.00
DANSKAMMER___DIESEL 23592	19.62 0.95 0.00	17.53 1.09 0.00	16.71 1.07 -0.15	16.25 1.02 -0.19	16.84 1.04 0.00	18.69 1.12 0.00	22.33 1.48 0.00	24.03 1.59 0.00	24.21 1.75 0.00	24.22 1.69 0.00	24.26 1.73 0.00	24.24 1.63 0.00	25.41 1.64 0.00	28.72 1.85 0.00	30.69 2.22 0.00	31.67 2.40 0.00	34.93 2.62 0.00	43.91 3.47 -1.83	45.35 3.28 -0.03	40.51 2.89 -0.03	36.00 2.34 -2.87	32.17 2.22 -1.45	28.56 1.82 0.00	24.41 1.38 0.00
DARBY___SOLAR 323810	19.70 1.03 0.00	17.53 1.09 0.00	16.74 1.05 -0.20	16.31 1.02 -0.25	16.86 1.06 0.00	18.70 1.14 0.00	22.27 1.42 0.00	23.90 1.46 0.00	23.94 1.48 0.00	23.86 1.33 0.00	23.86 1.33 0.00	23.94 1.33 0.00	25.25 1.47 0.00	28.31 1.45 0.00	30.00 1.54 0.00	30.94 1.67 0.00	34.31 2.00 0.00	46.64 2.86 -5.17	45.28 3.15 -0.09	40.61 2.93 -0.09	41.23 2.34 -8.11	34.68 2.08 -4.10	28.64 1.90 0.00	24.58 1.54 0.00
DASHVILLE___HYD 23610	19.58 0.91 0.00	17.50 1.05 0.00	16.49 0.85 -0.16	16.06 0.83 -0.19	16.82 1.03 0.00	18.65 1.09 0.00	22.26 1.42 0.00	23.96 1.53 0.00	24.03 1.57 0.00	24.04 1.51 0.00	24.06 1.53 0.00	23.99 1.38 0.00	25.20 1.43 0.00	28.45 1.59 0.00	30.40 1.94 0.00	31.38 2.11 0.00	34.67 2.36 0.00	43.66 2.97 -2.08	44.93 2.86 -0.04	40.10 2.48 -0.04	35.93 1.88 -3.26	31.97 1.82 -1.65	28.45 1.71 0.00	24.30 1.27 0.00



DEERFIELD_69_KV_DEERFIELD LD 355887	19.70 1.03 0.00	17.81 1.37 0.00	16.88 1.24 -0.15	16.41 1.17 -0.19	16.92 1.12 0.00	18.88 1.32 0.00	22.76 1.92 0.00	24.55 2.11 0.00	24.53 2.07 0.00	24.24 1.71 0.00	24.26 1.73 0.00	24.31 1.70 0.00	25.32 1.55 0.00	28.47 1.61 0.01	30.89 2.42 0.00	31.99 2.72 0.00	35.57 3.26 0.00	44.60 4.17 -1.82	45.93 3.87 -0.02	40.92 3.31 -0.02	36.96 3.32 -2.85	32.50 2.56 -1.44	29.22 2.49 0.00	26.02 2.07 -0.91
DELAWARE___LFGE 323621	19.25 0.58 0.00	16.99 0.54 0.00	16.06 0.51 -0.07	15.64 0.51 -0.08	16.35 0.55 0.00	18.18 0.61 0.00	21.60 0.75 0.00	23.29 0.85 0.00	23.29 0.83 0.00	23.41 0.88 0.00	23.41 0.88 0.00	23.52 0.90 0.00	24.77 0.90 -0.09	28.11 1.05 -0.20	29.96 1.25 -0.24	30.89 1.35 -0.27	34.20 1.52 -0.37	42.50 1.85 -2.03	44.70 1.98 -0.69	39.85 1.84 -0.42	34.84 1.45 -2.61	31.14 1.25 -1.39	27.92 1.02 -0.17	23.91 0.88 0.00
DERFIELD_115KV_TB7 355931	18.73 0.06 0.00	16.50 0.05 0.00	15.53 0.05 0.00	15.11 0.06 0.00	15.86 0.06 0.00	17.65 0.09 0.00	20.95 0.10 0.00	22.53 0.09 0.00	22.55 0.09 0.00	22.62 0.09 0.00	22.62 0.09 0.00	22.70 0.09 0.00	23.84 0.07 0.00	26.97 0.11 0.00	28.61 0.14 0.00	29.44 0.18 0.00	32.50 0.19 0.00	38.88 0.27 0.00	42.33 0.29 0.00	37.85 0.26 0.00	31.00 0.22 0.00	28.67 0.17 0.00	26.84 0.11 0.00	23.12 0.09 0.00
DOGLEVILLE___HYD 23807	18.71 0.04 0.00	16.41 -0.03 0.00	15.45 -0.03 0.00	15.05 0.00 0.00	15.81 0.02 0.00	17.58 0.02 0.00	20.87 0.02 0.00	22.46 0.02 0.00	22.44 -0.02 0.00	22.53 0.00 0.00	22.51 -0.02 0.00	22.59 -0.02 0.00	23.75 -0.02 0.00	26.89 0.03 0.00	28.55 0.09 0.00	29.36 0.09 0.00	32.37 0.06 0.00	38.76 0.16 0.00	42.21 0.17 0.00	37.74 0.15 0.00	30.91 0.12 0.00	28.64 0.14 0.00	26.79 0.05 0.00	23.08 0.05 0.00
DUNKIRK___115KV_TB_200 55889	19.72 1.05 0.00	17.20 0.76 0.00	15.79 0.28 -0.03	15.25 0.17 -0.04	16.15 0.35 0.00	18.26 0.70 0.00	21.33 0.48 0.00	23.40 0.96 0.00	23.67 1.21 0.00	24.11 1.58 0.00	24.22 1.69 0.00	24.47 1.85 0.00	25.63 1.85 0.00	28.91 2.04 0.00	30.77 2.31 0.00	31.96 2.69 0.00	35.77 3.46 0.00	42.57 3.63 -0.33	46.16 4.12 -0.01	41.95 4.36 -0.01	34.04 2.74 -0.52	30.52 1.77 -0.26	28.29 1.55 0.00	25.08 2.05 0.00
DUNKIRK___1 23563	19.72 1.05 0.00	17.20 0.76 0.00	15.79 0.28 -0.03	15.25 0.17 -0.04	16.15 0.35 0.00	18.26 0.70 0.00	21.33 0.48 0.00	23.40 0.96 0.00	23.67 1.21 0.00	24.11 1.58 0.00	24.22 1.69 0.00	24.47 1.85 0.00	25.63 1.85 0.00	28.91 2.04 0.00	30.77 2.31 0.00	31.96 2.69 0.00	35.77 3.46 0.00	42.57 3.63 -0.33	46.16 4.12 -0.01	41.95 4.36 -0.01	34.04 2.74 -0.52	30.52 1.77 -0.26	28.29 1.55 0.00	25.08 2.05 0.00
DUNKIRK___2 23564	19.72 1.05 0.00	17.20 0.76 0.00	15.79 0.28 -0.03	15.25 0.17 -0.04	16.15 0.35 0.00	18.26 0.70 0.00	21.33 0.48 0.00	23.40 0.96 0.00	23.67 1.21 0.00	24.11 1.58 0.00	24.22 1.69 0.00	24.47 1.85 0.00	25.63 1.85 0.00	28.91 2.04 0.00	30.77 2.31 0.00	31.96 2.69 0.00	35.77 3.46 0.00	42.57 3.63 -0.33	46.16 4.12 -0.01	41.95 4.36 -0.01	34.04 2.74 -0.52	30.52 1.77 -0.26	28.29 1.55 0.00	25.08 2.05 0.00
DUNKIRK___3 23565	19.58 0.91 0.00	17.10 0.66 0.00	15.73 0.22 -0.03	15.17 0.09 -0.04	16.07 0.27 0.00	18.18 0.61 0.00	21.18 0.33 0.00	23.22 0.79 0.00	23.45 0.99 0.00	23.86 1.33 0.00	23.97 1.44 0.00	24.19 1.58 0.00	25.37 1.59 0.00	28.58 1.72 0.00	30.43 1.96 0.00	31.61 2.34 0.00	35.35 3.04 0.00	42.10 3.17 -0.33	45.66 3.62 -0.01	41.50 3.91 -0.01	33.70 2.40 -0.52	30.24 1.48 -0.26	28.02 1.28 0.00	24.88 1.84 0.00
DUNKIRK___4 23566	19.58 0.91 0.00	17.10 0.66 0.00	15.73 0.22 -0.03	15.17 0.09 -0.04	16.07 0.27 0.00	18.18 0.61 0.00	21.18 0.33 0.00	23.22 0.79 0.00	23.45 0.99 0.00	23.86 1.33 0.00	23.97 1.44 0.00	24.19 1.58 0.00	25.37 1.59 0.00	28.58 1.72 0.00	30.43 1.96 0.00	31.61 2.34 0.00	35.35 3.04 0.00	42.10 3.17 -0.33	45.66 3.62 -0.01	41.50 3.91 -0.01	33.70 2.40 -0.52	30.24 1.48 -0.26	28.02 1.28 0.00	24.88 1.84 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	19.60 0.93 0.00	17.53 1.09 0.00	16.72 1.08 -0.15	16.27 1.04 -0.19	16.84 1.04 0.00	18.70 1.14 0.00	22.33 1.48 0.00	24.05 1.62 0.00	24.15 1.68 0.00	24.15 1.62 0.00	24.15 1.54 0.00	24.15 1.57 0.00	25.34 1.80 0.00	28.66 1.80 0.00	30.63 2.16 0.00	31.52 2.25 0.00	34.83 2.52 0.00	43.79 3.36 -1.82	45.39 3.32 -0.03	40.40 2.78 -0.03	35.92 2.28 -2.85	32.07 2.14 -1.44	28.53 1.79 0.00	24.30 1.27 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	19.53 0.86 0.00	17.45 1.00 0.00	16.61 0.98 -0.15	16.16 0.93 -0.18	16.76 0.96 0.00	18.60 1.04 0.00	22.20 1.36 0.00	23.92 1.48 0.00	24.01 1.55 0.00	24.04 1.51 0.00	24.06 1.53 0.00	24.06 1.45 0.00	25.22 1.45 0.00	28.50 1.64 0.00	30.43 1.96 0.00	31.40 2.14 0.00	34.67 2.36 0.00	43.55 3.17 -1.78	45.10 3.03 -0.03	40.25 2.63 -0.03	35.73 2.15 -2.79	31.93 2.02 -1.41	28.39 1.66 0.00	24.28 1.24 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	19.73 1.06 0.00	17.61 1.17 0.00	16.85 1.21 -0.15	16.41 1.17 -0.19	16.98 1.18 0.00	18.67 1.11 0.00	22.20 1.36 0.00	23.90 1.46 0.00	24.03 1.57 0.00	24.06 1.53 0.00	24.04 1.51 0.00	24.01 1.40 0.00	25.22 1.45 0.00	28.56 1.69 0.00	30.49 2.02 0.00	31.38 2.11 0.00	34.57 2.26 0.00	43.59 3.17 -1.82	45.22 3.15 -0.03	40.06 2.44 -0.03	35.64 2.00 -2.85	31.90 1.97 -1.44	28.45 1.71 0.00	24.30 1.27 0.00
E179THST_13_KV_LOAD 356214	19.81 1.14 0.00	17.68 1.23 0.00	16.89 1.25 -0.15	16.45 1.22 -0.19	17.03 1.23 0.00	18.72 1.16 0.00	22.29 1.44 0.00	24.01 1.57 0.00	24.12 1.66 0.00	24.15 1.62 0.00	24.13 1.60 0.00	24.13 1.51 0.00	25.32 1.55 0.00	28.69 1.83 0.00	30.60 2.13 0.00	31.52 2.25 0.00	34.73 2.42 0.00	43.79 3.36 -1.82	45.43 3.36 -0.03	40.25 2.63 -0.03	35.79 2.15 -2.85	32.05 2.11 -1.44	28.56 1.82 0.00	24.39 1.36 0.00
EAST HAMPTON___GT 23717	19.92 1.25 0.00	18.01 1.56 0.00	17.06 1.42 -0.15	16.57 1.34 -0.19	17.11 1.31 0.00	19.11 1.55 0.00	23.04 2.19 0.00	24.86 2.42 0.00	24.80 2.34 0.00	24.51 1.98 0.00	24.60 2.07 0.00	24.62 2.01 0.00	25.41 1.64 0.00	28.58 1.72 0.01	30.83 2.36 0.00	32.11 2.84 0.00	35.48 3.17 0.00	44.71 4.29 -1.82	46.27 4.20 -0.02	41.14 3.53 -0.02	36.50 2.86 -2.85	32.59 2.65 -1.44	28.88 2.14 0.00	26.38 2.44 -0.91
EAST RIVER___6 23660	19.70 1.03 0.00	17.60 1.15 0.00	16.78 1.15 -0.15	16.33 1.10 -0.19	16.90 1.11 0.00	18.77 1.21 0.00	22.41 1.56 0.00	24.19 1.75 0.00	24.26 1.80 0.00	24.26 1.73 0.00	24.31 1.78 0.00	24.31 1.70 0.00	25.44 1.66 0.00	28.74 1.88 0.00	30.60 2.14 0.00	31.70 2.43 0.00	34.76 2.45 0.00	43.98 3.55 -1.82	45.52 3.45 -0.03	40.51 2.89 -0.03	35.91 2.28 -2.85	32.13 2.19 -1.44	28.58 1.84 0.00	24.46 1.43 0.00



EAST RIVER___7 23524	19.70 1.03 0.00	17.60 1.15 0.00	16.78 1.15 -0.15	16.33 1.10 -0.19	16.90 1.11 0.00	18.77 1.21 0.00	22.41 1.56 0.00	24.19 1.75 0.00	24.26 1.80 0.00	24.26 1.73 0.00	24.31 1.78 0.00	24.31 1.70 0.00	25.44 1.66 0.00	28.74 1.88 0.00	30.60 2.14 0.00	31.70 2.43 0.00	34.76 2.45 0.00	43.98 3.55 -1.82	45.52 3.45 -0.03	40.51 2.89 -0.03	35.91 2.28 -2.85	32.13 2.19 -1.44	28.58 1.84 0.00	24.46 1.43 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	19.58 0.91 0.00	17.52 1.07 0.00	16.69 1.05 -0.15	16.25 1.02 -0.19	16.82 1.03 0.00	18.67 1.11 0.00	22.31 1.46 0.00	24.01 1.57 0.00	24.10 1.64 0.00	24.11 1.58 0.00	24.11 1.58 0.00	24.10 1.49 0.00	25.32 1.55 0.00	28.61 1.75 0.00	30.57 2.11 0.00	31.49 2.22 0.00	34.76 2.46 0.00	43.70 3.28 -1.81	45.31 3.24 -0.03	40.32 2.71 -0.03	35.85 2.22 -2.85	32.01 2.08 -1.44	28.48 1.74 0.00	24.28 1.24 0.00
EAST_HAMPTON___DIESEL 23722	19.92 1.25 0.00	18.03 1.58 0.00	17.08 1.44 -0.15	16.59 1.35 -0.19	17.11 1.31 0.00	19.11 1.55 0.00	23.04 2.19 0.00	24.88 2.45 0.00	24.80 2.34 0.00	24.51 1.98 0.00	24.60 2.07 0.00	24.62 2.01 0.00	25.41 1.64 0.00	28.58 1.72 0.01	30.83 2.36 0.00	32.11 2.84 0.00	35.51 3.20 0.00	44.75 4.32 -1.82	46.27 4.20 -0.02	41.14 3.53 -0.02	36.53 2.89 -2.85	32.59 2.65 -1.44	28.88 2.14 0.00	26.38 2.44 -0.91
EAST_PULASKI___ESR 323781	18.71 0.04 0.00	16.40 -0.05 0.00	15.42 -0.08 -0.01	15.01 -0.05 -0.01	15.77 -0.03 0.00	17.60 0.04 0.00	20.87 0.02 0.00	22.44 0.00 0.00	22.39 -0.07 0.00	22.51 -0.02 0.00	22.46 -0.07 0.00	22.54 -0.07 0.00	24.59 -0.10 -0.91	28.70 -0.08 -1.92	30.80 -0.03 -2.36	31.94 0.03 -2.65	35.96 0.06 -3.59	44.18 0.12 -5.46	48.83 0.34 -6.46	41.88 0.41 -3.88	34.02 0.34 -2.90	30.85 0.20 -2.16	28.42 0.08 -1.61	23.15 0.12 0.00
EAST_RIVER___1 323558	19.66 0.99 0.00	17.57 1.12 0.00	16.75 1.12 -0.15	16.30 1.07 -0.19	16.89 1.09 0.00	18.74 1.18 0.00	22.39 1.54 0.00	24.14 1.70 0.00	24.19 1.73 0.00	24.20 1.67 0.00	24.24 1.71 0.00	24.22 1.61 0.00	25.37 1.59 0.00	28.64 1.77 0.00	30.49 2.02 0.00	31.58 2.31 0.00	34.64 2.33 0.00	43.75 3.32 -1.82	45.31 3.24 -0.03	40.29 2.67 -0.03	35.79 2.15 -2.85	32.02 2.08 -1.44	28.45 1.71 0.00	24.37 1.34 0.00
EAST_RIVER___2 323559	19.70 1.03 0.00	17.60 1.15 0.00	16.78 1.15 -0.15	16.33 1.10 -0.19	16.90 1.11 0.00	18.77 1.21 0.00	22.41 1.56 0.00	24.19 1.75 0.00	24.26 1.80 0.00	24.26 1.73 0.00	24.31 1.78 0.00	24.31 1.70 0.00	25.44 1.66 0.00	28.74 1.88 0.00	30.60 2.14 0.00	31.70 2.43 0.00	34.76 2.45 0.00	43.98 3.55 -1.82	45.52 3.45 -0.03	40.51 2.89 -0.03	35.91 2.28 -2.85	32.13 2.19 -1.44	28.58 1.84 0.00	24.46 1.43 0.00
EAST___DELAWARE_HYD 23607	20.91 2.24 0.00	18.11 1.66 0.00	17.26 1.64 -0.14	16.79 1.58 -0.17	17.43 1.63 0.00	19.35 1.79 0.00	23.18 2.33 0.00	25.13 2.69 0.00	25.36 2.90 0.00	25.62 3.09 0.00	25.75 3.22 0.00	25.51 2.89 0.00	26.62 2.85 0.00	29.90 3.03 0.00	31.91 3.44 0.00	33.25 3.98 0.00	36.83 4.52 0.00	46.61 6.25 -1.75	47.37 5.30 -0.03	42.47 4.85 -0.03	37.44 3.91 -2.74	33.76 3.87 -1.39	29.89 3.15 0.00	25.93 2.90 0.00
EIGHT_POINT___WT_PWR 323820	19.62 0.95 0.00	17.11 0.66 0.00	15.78 0.26 -0.03	15.40 0.32 -0.04	16.19 0.40 0.00	18.28 0.72 0.00	21.49 0.65 0.00	23.40 0.96 0.00	23.58 1.12 0.00	23.90 1.37 0.00	23.86 1.33 0.00	24.01 1.40 0.00	25.44 1.54 -0.12	29.01 1.88 -0.26	30.95 2.16 -0.32	31.88 2.25 -0.36	35.80 3.01 -0.49	42.94 3.20 -1.13	46.83 3.91 -0.88	41.99 3.87 -0.53	34.29 2.49 -1.01	30.81 1.71 -0.60	28.53 1.58 -0.22	24.67 1.64 0.00
ELBRIDGE_115KV_TB2 80188	18.76 0.09 0.00	16.50 0.05 0.00	15.50 0.00 -0.02	15.07 0.00 -0.02	15.83 0.03 0.00	17.67 0.11 0.00	20.93 0.08 0.00	22.55 0.11 0.00	22.57 0.11 0.00	22.66 0.14 0.00	22.66 0.14 0.00	22.77 0.16 0.00	24.55 0.17 -0.62	28.38 0.21 -1.30	30.35 0.28 -1.60	31.41 0.35 -1.79	35.25 0.52 -2.43	43.03 0.54 -3.88	47.08 0.67 -4.37	40.93 0.71 -2.63	33.50 0.46 -2.25	30.33 0.23 -1.61	27.96 0.13 -1.09	23.24 0.21 0.00
ELEC_TRO_TEK 24086	19.49 0.82 0.00	17.47 1.02 0.00	16.60 0.96 -0.15	16.13 0.90 -0.19	16.70 0.90 0.00	18.60 1.04 0.00	22.31 1.46 0.00	24.03 1.59 0.00	24.06 1.59 0.00	23.97 1.44 0.00	24.06 1.53 0.00	24.10 1.49 0.00	25.18 1.40 0.00	28.28 1.42 0.01	30.37 1.91 0.00	31.35 2.08 0.00	34.67 2.36 0.00	43.52 3.09 -1.82	44.88 2.82 -0.02	39.94 2.33 -0.02	35.89 2.25 -2.85	31.79 1.85 -1.44	28.50 1.76 0.00	25.58 1.64 -0.91
ELLENBURG_WT_PWR 323604	18.43 -0.24 0.00	16.12 -0.33 0.00	15.14 -0.34 0.00	14.71 -0.33 0.00	15.44 -0.36 0.00	17.11 -0.46 0.00	20.45 -0.40 0.00	22.28 -0.16 0.00	22.33 -0.13 0.00	22.51 -0.02 0.00	22.55 0.02 0.00	22.66 0.05 0.00	23.87 0.10 0.00	26.89 0.03 0.00	28.41 -0.06 0.00	29.21 -0.06 0.00	32.02 -0.29 0.00	38.15 -0.46 0.00	41.87 -0.17 0.00	37.02 -0.56 0.00	30.82 0.03 0.00	28.64 0.14 0.00	27.03 0.29 0.00	23.22 0.18 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	19.23 0.56 0.00	16.81 0.36 0.00	15.53 0.02 -0.03	14.96 -0.12 -0.03	15.78 -0.02 0.00	17.84 0.28 0.00	20.68 -0.17 0.00	22.62 0.18 0.00	22.82 0.36 0.00	23.18 0.65 0.00	23.29 0.77 0.00	23.52 0.90 0.00	24.72 0.95 0.00	27.86 0.99 0.00	29.66 1.20 0.00	30.82 1.55 0.00	34.38 2.07 0.00	40.92 2.01 -0.31	44.48 2.44 -0.01	40.45 2.86 -0.01	32.84 1.57 -0.48	29.45 0.71 -0.24	27.41 0.67 0.00	24.32 1.29 0.00
EMPIRE_CC_1 323656	19.10 0.43 0.00	17.07 0.62 0.00	16.32 0.65 -0.19	15.91 0.63 -0.23	16.45 0.65 0.00	18.21 0.65 0.00	21.64 0.79 0.00	23.18 0.74 0.00	23.18 0.72 0.00	23.11 0.58 0.00	23.18 0.65 0.00	23.22 0.61 0.00	24.39 0.62 0.00	27.54 0.67 0.00	29.24 0.77 0.00	30.20 0.94 0.00	33.31 1.00 0.00	42.68 1.39 -2.68	43.43 1.34 -0.05	38.95 1.31 -0.05	36.04 1.05 -4.21	31.65 1.02 -2.13	27.46 0.72 0.00	23.70 0.67 0.00
EMPIRE_CC_2 323658	19.10 0.43 0.00	17.07 0.62 0.00	16.32 0.65 -0.19	15.91 0.63 -0.23	16.45 0.65 0.00	18.21 0.65 0.00	21.64 0.79 0.00	23.18 0.74 0.00	23.18 0.72 0.00	23.11 0.58 0.00	23.18 0.65 0.00	23.22 0.61 0.00	24.39 0.62 0.00	27.54 0.67 0.00	29.24 0.77 0.00	30.20 0.94 0.00	33.31 1.00 0.00	42.68 1.39 -2.68	43.43 1.34 -0.05	38.95 1.31 -0.05	36.04 1.05 -4.21	31.65 1.02 -2.13	27.46 0.72 0.00	23.70 0.67 0.00
ENORWICH_115KV_TB1 80156	20.31 1.64 0.00	17.60 1.15 0.00	16.51 0.98 -0.05	16.22 1.11 -0.07	17.05 1.25 0.00	19.07 1.51 0.00	22.74 1.90 0.00	24.66 2.22 0.00	24.44 1.98 0.00	24.67 2.14 0.00	24.71 2.19 0.00	24.83 2.22 0.00	26.38 2.35 -0.25	30.19 2.79 -0.53	32.37 3.25 -0.65	33.45 3.45 -0.73	37.15 3.84 -0.99	45.78 5.02 -2.15	49.68 5.84 -1.79	43.82 5.15 -1.08	36.88 4.28 -1.82	33.14 3.53 -1.11	30.15 2.97 -0.44	25.73 2.69 0.00



ERIE_ST__34_KV_TB1-2 80199	19.40 0.73 0.00	16.96 0.51 0.00	15.53 0.02 -0.03	14.97 -0.11 -0.03	15.92 0.13 0.00	17.98 0.42 0.00	20.87 0.02 0.00	22.84 0.40 0.00	23.05 0.58 0.00	23.41 0.88 0.00	23.54 1.01 0.00	23.76 1.15 0.00	24.75 0.97 0.00	27.94 1.07 0.00	29.78 1.31 0.00	30.94 1.67 0.00	34.57 2.26 0.00	41.17 2.24 -0.32	44.65 2.61 -0.01	40.64 3.04 -0.01	32.98 1.69 -0.50	29.57 0.83 -0.25	27.43 0.70 0.00	24.58 1.54 0.00
ERIE_WT_PWR 323693	19.34 0.67 0.00	16.89 0.44 0.00	15.54 0.03 -0.03	15.08 0.00 -0.03	15.85 0.05 0.00	17.93 0.37 0.00	20.78 -0.06 0.00	22.64 0.20 0.00	22.96 0.49 0.00	23.32 0.79 0.00	23.25 0.72 0.00	23.47 0.86 0.00	24.82 1.04 0.00	28.15 1.29 0.00	30.06 1.59 0.00	30.96 1.70 0.00	34.70 2.39 0.00	41.32 2.39 -0.31	45.11 3.07 -0.01	40.82 3.23 -0.01	33.00 1.72 -0.49	29.63 0.88 -0.25	27.54 0.80 0.00	24.23 1.20 0.00
ESPRGFLD_115KV_TB1 80157	19.85 1.18 0.00	17.50 1.05 0.00	16.40 0.94 0.03	15.98 0.96 0.03	16.84 1.04 0.00	18.77 1.21 0.00	22.35 1.50 0.00	24.08 1.64 0.00	24.06 1.59 0.00	24.13 1.60 0.00	24.13 1.60 0.00	24.24 1.63 0.00	25.51 1.74 0.00	28.88 2.01 0.00	30.77 2.31 0.00	31.67 2.40 0.00	35.05 2.75 0.00	45.98 3.55 -3.81	46.18 4.08 -0.06	41.37 3.72 -0.06	39.76 2.99 -5.99	34.11 2.59 -3.03	28.82 2.09 0.00	24.78 1.75 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	19.29 0.62 0.00	16.89 0.44 0.00	15.86 0.34 -0.04	15.45 0.36 -0.04	16.22 0.43 0.00	18.12 0.56 0.00	21.51 0.67 0.00	23.25 0.81 0.00	23.23 0.76 0.00	23.34 0.81 0.00	23.34 0.81 0.00	23.45 0.84 0.00	24.96 0.86 -0.33	28.56 0.99 -0.70	30.52 1.20 -0.86	31.55 1.32 -0.96	35.26 1.65 -1.31	42.99 1.97 -2.41	46.71 2.31 -2.35	41.22 2.22 -1.42	34.17 1.66 -1.72	30.87 1.25 -1.12	28.36 1.04 -0.58	24.05 1.01 0.00
ETNA____115KV_TB2 80207	19.29 0.62 0.00	16.89 0.44 0.00	15.86 0.34 -0.04	15.45 0.36 -0.04	16.22 0.43 0.00	18.12 0.56 0.00	21.51 0.67 0.00	23.25 0.81 0.00	23.23 0.76 0.00	23.34 0.81 0.00	23.34 0.81 0.00	23.45 0.84 0.00	24.96 0.86 -0.33	28.56 0.99 -0.70	30.52 1.20 -0.86	31.55 1.32 -0.96	35.26 1.65 -1.31	42.99 1.97 -2.41	46.71 2.31 -2.35	41.22 2.22 -1.42	34.17 1.66 -1.72	30.87 1.25 -1.12	28.36 1.04 -0.58	24.05 1.01 0.00
EUCLID____115KV_TB2 356179	18.63 -0.04 0.00	16.35 -0.10 0.00	15.38 -0.12 -0.01	14.94 -0.12 -0.02	15.69 -0.11 0.00	17.51 -0.05 0.00	20.74 -0.10 0.00	22.33 -0.11 0.00	22.35 -0.11 0.00	22.46 -0.07 0.00	22.44 -0.09 0.00	22.54 -0.07 0.00	23.99 -0.05 -0.27	27.37 -0.05 -0.56	29.13 -0.03 -0.69	30.08 0.03 -0.78	33.52 0.16 -1.05	40.33 0.12 -1.60	44.10 0.17 -1.90	38.99 0.26 -1.14	31.73 0.09 -0.85	29.01 -0.11 -0.63	27.05 -0.16 -0.47	22.96 -0.07 0.00
E_CANADA_CAP_HY 24051	20.07 1.40 0.00	17.75 1.30 0.00	16.92 1.19 -0.24	16.53 1.19 -0.30	17.06 1.26 0.00	19.00 1.44 0.00	22.66 1.81 0.00	24.34 1.91 0.00	24.30 1.84 0.00	24.26 1.73 0.00	24.24 1.71 0.00	24.35 1.74 0.00	25.70 1.92 0.00	29.09 2.23 0.00	30.91 2.45 0.00	31.84 2.58 0.00	35.44 3.13 0.00	47.40 4.13 -4.66	46.99 4.87 -0.08	42.14 4.47 -0.08	41.64 3.54 -7.31	35.33 3.13 -3.70	29.28 2.54 0.00	25.08 2.05 0.00
E_CANADA_MHWK_HY 24050	18.71 0.04 0.00	16.41 -0.03 0.00	15.45 -0.03 0.00	15.05 0.00 0.00	15.81 0.02 0.00	17.58 0.02 0.00	20.87 0.02 0.00	22.46 0.02 0.00	22.44 -0.02 0.00	22.53 0.00 0.00	22.51 -0.02 0.00	22.59 -0.02 0.00	23.75 -0.02 0.00	26.89 0.03 0.00	28.55 0.09 0.00	29.36 0.09 0.00	32.37 0.06 0.00	38.76 0.16 0.00	42.21 0.17 0.00	37.74 0.15 0.00	30.91 0.12 0.00	28.64 0.14 0.00	26.79 0.05 0.00	23.08 0.05 0.00
E_FISHKILL____LBMP 23776	19.49 0.82 0.00	17.43 0.99 0.00	16.62 0.98 -0.16	16.18 0.95 -0.19	16.76 0.96 0.00	18.60 1.04 0.00	22.18 1.33 0.00	23.85 1.41 0.00	23.92 1.46 0.00	23.90 1.37 0.00	23.93 1.40 0.00	23.95 1.33 0.00	25.13 1.36 0.00	28.40 1.53 0.00	30.32 1.85 0.00	31.23 1.96 0.00	34.51 2.20 0.00	43.40 2.93 -1.85	44.93 2.86 -0.03	40.06 2.44 -0.03	35.69 2.00 -2.91	31.85 1.88 -1.47	28.29 1.55 0.00	24.16 1.13 0.00
FALCON____SEABRD_CC1 323796	18.61 -0.06 0.00	16.30 -0.15 0.00	15.30 -0.19 0.00	14.87 -0.18 0.00	15.61 -0.19 0.00	17.28 -0.28 0.00	20.66 -0.19 0.00	22.53 0.09 0.00	22.57 0.11 0.00	22.76 0.23 0.00	22.82 0.29 0.00	22.93 0.32 0.00	24.15 0.38 0.00	27.24 0.38 0.00	28.78 0.31 0.00	29.59 0.32 0.00	32.47 0.16 0.00	38.69 0.08 0.00	42.50 0.46 0.00	37.51 -0.08 0.00	31.22 0.43 0.00	28.95 0.45 0.00	27.32 0.59 0.00	23.49 0.46 0.00
FALCON____SEABRD_CC2 323797	18.61 -0.06 0.00	16.30 -0.15 0.00	15.30 -0.19 0.00	14.87 -0.18 0.00	15.61 -0.19 0.00	17.28 -0.28 0.00	20.66 -0.19 0.00	22.53 0.09 0.00	22.57 0.11 0.00	22.76 0.23 0.00	22.82 0.29 0.00	22.93 0.32 0.00	24.15 0.38 0.00	27.24 0.38 0.00	28.78 0.31 0.00	29.59 0.32 0.00	32.47 0.16 0.00	38.69 0.08 0.00	42.50 0.46 0.00	37.51 -0.08 0.00	31.22 0.43 0.00	28.95 0.45 0.00	27.32 0.59 0.00	23.49 0.46 0.00
FAR ROCKAWAY____4 23548	19.72 1.05 0.00	17.61 1.17 0.00	16.72 1.08 -0.15	16.25 1.02 -0.19	16.82 1.03 0.00	18.74 1.18 0.00	22.51 1.67 0.00	24.26 1.82 0.00	24.28 1.82 0.00	24.17 1.64 0.00	24.31 1.78 0.00	24.37 1.76 0.00	25.41 1.64 0.00	28.55 1.69 0.01	30.69 2.22 0.00	31.73 2.46 0.00	35.12 2.81 0.00	43.63 3.20 -1.82	44.96 2.90 -0.02	40.05 2.44 -0.02	36.32 2.68 -2.85	32.16 2.22 -1.44	28.85 2.11 0.00	25.86 1.91 -0.91
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	19.68 1.01 0.00	17.58 1.13 0.00	16.77 1.13 -0.15	16.32 1.08 -0.19	16.89 1.09 0.00	18.74 1.18 0.00	22.39 1.54 0.00	24.14 1.71 0.00	24.24 1.77 0.00	24.24 1.71 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.41 1.64 0.00	28.75 1.88 0.00	30.72 2.25 0.00	31.61 2.34 0.00	34.86 2.55 0.00	43.90 3.47 -1.82	45.48 3.41 -0.03	40.44 2.82 -0.03	35.95 2.31 -2.85	32.13 2.19 -1.44	28.61 1.87 0.00	24.35 1.31 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	19.68 1.01 0.00	17.58 1.13 0.00	16.77 1.13 -0.15	16.32 1.08 -0.19	16.89 1.09 0.00	18.74 1.18 0.00	22.39 1.54 0.00	24.14 1.71 0.00	24.24 1.77 0.00	24.24 1.71 0.00	24.20 1.67 0.00	24.19 1.58 0.00	25.41 1.64 0.00	28.75 1.88 0.00	30.69 2.22 0.00	31.61 2.34 0.00	34.83 2.52 0.00	43.90 3.47 -1.82	45.48 3.41 -0.03	40.44 2.82 -0.03	35.95 2.31 -2.85	32.13 2.19 -1.44	28.61 1.87 0.00	24.37 1.34 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	19.66 0.99 0.00	17.58 1.13 0.00	16.75 1.11 -0.15	16.32 1.08 -0.19	16.89 1.09 0.00	18.74 1.18 0.00	22.39 1.54 0.00	24.12 1.68 0.00	24.21 1.75 0.00	24.24 1.71 0.00	24.20 1.67 0.00	24.19 1.58 0.00	25.39 1.62 0.00	28.75 1.88 0.00	30.69 2.22 0.00	31.58 2.31 0.00	34.83 2.52 0.00	43.86 3.44 -1.82	45.43 3.36 -0.03	40.44 2.82 -0.03	35.92 2.28 -2.85	32.10 2.17 -1.44	28.61 1.87 0.00	24.35 1.31 0.00



FARRAGUT___LBMP 323566	19.66 0.99 0.00	17.56 1.12 0.00	16.75 1.11 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.10 1.66 0.00	24.19 1.73 0.00	24.22 1.69 0.00	24.17 1.64 0.00	24.17 1.56 0.00	25.37 1.59 0.00	28.72 1.85 0.00	30.66 2.19 0.00	31.55 2.28 0.00	34.80 2.49 0.00	43.82 3.40 -1.82	45.39 3.32 -0.03	40.40 2.78 -0.03	35.88 2.25 -2.85	32.07 2.14 -1.44	28.58 1.84 0.00	24.32 1.29 0.00
FENNER___WINDPWR 24204	19.15 0.48 0.00	16.74 0.30 0.00	15.74 0.23 -0.02	15.34 0.27 -0.02	16.11 0.32 0.00	17.97 0.40 0.00	21.35 0.50 0.00	23.02 0.58 0.00	22.98 0.52 0.00	23.11 0.58 0.00	23.11 0.58 0.00	23.20 0.59 0.00	24.69 0.66 -0.25	28.23 0.83 -0.53	30.06 0.94 -0.65	31.05 1.05 -0.73	34.56 1.26 -0.99	41.83 1.50 -1.72	45.59 1.77 -1.79	40.24 1.58 -1.08	33.18 1.26 -1.13	30.25 1.00 -0.76	28.01 0.83 -0.44	23.72 0.69 0.00
FIBERTEK___ENERGY 23856	18.82 0.15 0.00	16.51 0.07 0.00	15.52 0.02 -0.02	15.08 0.02 -0.02	15.85 0.05 0.00	17.69 0.12 0.00	20.97 0.13 0.00	22.60 0.16 0.00	22.62 0.16 0.00	22.71 0.18 0.00	22.71 0.18 0.00	22.81 0.20 0.00	24.56 0.21 -0.58	28.35 0.27 -1.22	30.31 0.34 -1.50	31.39 0.44 -1.68	35.20 0.61 -2.28	42.86 0.62 -3.63	46.89 0.76 -4.10	40.84 0.79 -2.47	33.42 0.52 -2.11	30.29 0.28 -1.51	27.94 0.19 -1.02	23.26 0.23 0.00
FITZPATRICK____ 23598	18.35 -0.32 0.00	16.12 -0.33 0.00	15.17 -0.33 -0.01	14.73 -0.33 -0.01	15.47 -0.33 0.00	17.25 -0.32 0.00	20.43 -0.42 0.00	21.94 -0.49 0.00	21.97 -0.49 0.00	22.06 -0.47 0.00	22.01 -0.52 0.00	22.09 -0.52 0.00	20.11 -0.52 3.14	19.68 -0.57 6.62	19.73 -0.57 8.16	19.57 -0.56 9.14	19.43 -0.48 12.39	19.11 -0.66 18.85	19.12 -0.63 22.29	23.66 -0.53 13.40	20.24 -0.52 10.02	20.41 -0.63 7.46	20.58 -0.61 5.55	22.55 -0.48 0.00
FLOWRFLD_69_KV_BK1 356044	19.62 0.95 0.00	17.70 1.25 0.00	16.78 1.15 -0.15	16.30 1.07 -0.19	16.86 1.06 0.00	18.81 1.25 0.00	22.62 1.77 0.00	24.39 1.95 0.00	24.37 1.91 0.00	24.17 1.64 0.00	24.24 1.71 0.00	24.28 1.67 0.00	25.32 1.55 0.00	28.42 1.56 0.01	30.74 2.28 0.00	31.81 2.55 0.00	35.35 3.04 0.00	44.10 3.67 -1.82	45.43 3.36 -0.02	40.43 2.82 -0.02	36.69 3.05 -2.85	32.33 2.39 -1.44	29.01 2.27 0.00	25.93 1.98 -0.91
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	19.64 0.97 0.00	17.55 1.10 0.00	16.72 1.08 -0.15	16.27 1.04 -0.19	16.87 1.07 0.00	18.70 1.14 0.00	22.35 1.50 0.00	24.05 1.62 0.00	24.24 1.77 0.00	24.26 1.73 0.00	24.31 1.78 0.00	24.28 1.67 0.00	25.46 1.69 0.00	28.75 1.88 0.00	30.74 2.28 0.00	31.76 2.49 0.00	34.96 2.65 0.00	44.00 3.55 -1.83	45.43 3.36 -0.03	40.59 2.97 -0.03	36.06 2.40 -2.88	32.23 2.28 -1.46	28.61 1.87 0.00	24.46 1.43 0.00
FORT ORANGE____ 23900	19.02 0.35 0.00	17.01 0.56 0.00	16.24 0.56 -0.19	15.84 0.56 -0.24	16.37 0.57 0.00	18.09 0.53 0.00	21.49 0.65 0.00	23.07 0.63 0.00	23.09 0.63 0.00	23.02 0.50 0.00	23.07 0.54 0.00	23.13 0.52 0.00	24.30 0.52 0.00	27.48 0.62 0.00	29.21 0.74 0.00	30.20 0.94 0.00	33.41 1.10 0.00	43.76 1.55 -3.60	43.70 1.60 -0.06	39.15 1.51 -0.06	37.60 1.17 -5.65	32.43 1.08 -2.86	27.51 0.78 0.00	23.65 0.62 0.00
FORT_DRUM_COGEN 23780	19.10 0.43 0.00	16.66 0.21 0.00	15.65 0.15 -0.01	15.31 0.26 -0.01	16.10 0.30 0.00	17.95 0.39 0.00	21.33 0.48 0.00	22.98 0.54 0.00	22.78 0.31 0.00	22.96 0.43 0.00	22.80 0.27 0.00	22.86 0.25 0.00	24.47 0.24 -0.46	28.14 0.30 -0.98	30.07 0.40 -1.20	31.06 0.44 -1.35	34.52 0.39 -1.83	42.28 0.89 -2.78	46.92 1.60 -3.29	41.03 1.47 -1.98	33.80 1.54 -1.47	30.96 1.37 -1.10	28.62 1.07 -0.82	23.95 0.92 0.00
FPL_FAR_ROCK_GT1 24212	19.71 1.04 0.00	17.61 1.17 0.00	16.72 1.08 -0.15	16.26 1.02 -0.19	16.82 1.03 0.00	18.74 1.18 0.00	22.52 1.67 0.00	24.28 1.84 0.00	24.26 1.80 0.00	24.15 1.62 0.00	24.35 1.82 0.00	24.40 1.79 0.00	25.27 1.50 0.00	28.47 1.61 0.01	30.40 1.94 0.00	31.55 2.28 0.00	34.67 2.36 0.00	43.75 3.32 -1.82	45.26 3.19 -0.02	40.28 2.67 -0.02	35.64 2.00 -2.85	31.96 2.02 -1.44	28.26 1.52 0.00	25.88 1.94 -0.91
FPL_FAR_ROCK_GT2 23815	19.71 1.04 0.00	17.61 1.17 0.00	16.72 1.08 -0.15	16.26 1.02 -0.19	16.82 1.03 0.00	18.74 1.18 0.00	22.52 1.67 0.00	24.28 1.84 0.00	24.26 1.80 0.00	24.15 1.62 0.00	24.35 1.82 0.00	24.40 1.79 0.00	25.27 1.50 0.00	28.47 1.61 0.01	30.40 1.94 0.00	31.55 2.28 0.00	34.67 2.36 0.00	43.75 3.32 -1.82	45.26 3.19 -0.02	40.28 2.67 -0.02	35.64 2.00 -2.85	31.96 2.02 -1.44	28.26 1.52 0.00	25.88 1.94 -0.91
FRANKLIN_FALL_HYD 24054	18.46 -0.21 0.00	16.15 -0.30 0.00	15.16 -0.33 0.00	14.74 -0.30 0.00	15.48 -0.32 0.00	17.14 -0.42 0.00	20.45 -0.40 0.00	22.30 -0.13 0.00	22.33 -0.13 0.00	22.46 -0.07 0.00	22.44 -0.09 0.00	22.52 -0.09 0.00	23.73 -0.05 0.00	26.70 -0.16 0.00	28.15 -0.31 0.00	29.00 -0.26 0.00	31.69 -0.61 0.00	37.84 -0.77 0.00	41.58 -0.46 0.00	36.60 -0.98 0.01	30.51 -0.28 0.00	28.58 0.09 0.00	27.03 0.29 0.00	23.19 0.16 0.00
FREEPORT_EQUS_GT1 23764	19.60 0.93 0.00	17.57 1.12 0.00	16.67 1.04 -0.15	16.21 0.98 -0.19	16.78 0.98 0.00	18.69 1.12 0.00	22.43 1.58 0.00	24.21 1.77 0.00	24.19 1.73 0.00	24.06 1.53 0.00	24.24 1.71 0.00	24.28 1.67 0.00	25.10 1.33 0.00	28.25 1.40 0.01	30.14 1.68 0.00	31.28 2.02 0.00	34.41 2.10 0.00	43.44 3.01 -1.82	44.92 2.86 -0.02	39.98 2.37 -0.02	35.42 1.78 -2.85	31.73 1.80 -1.44	28.10 1.36 0.00	25.76 1.82 -0.91
FREEPORT___CT2 23818	19.60 0.93 0.00	17.57 1.12 0.00	16.67 1.04 -0.15	16.21 0.98 -0.19	16.78 0.98 0.00	18.69 1.12 0.00	22.43 1.58 0.00	24.21 1.77 0.00	24.19 1.73 0.00	24.06 1.53 0.00	24.24 1.71 0.00	24.28 1.67 0.00	25.10 1.33 0.00	28.25 1.40 0.01	30.14 1.68 0.00	31.28 2.02 0.00	34.41 2.10 0.00	43.44 3.01 -1.82	44.92 2.86 -0.02	39.98 2.37 -0.02	35.42 1.78 -2.85	31.73 1.80 -1.44	28.10 1.36 0.00	25.76 1.82 -0.91
FRESHKLS_33_KV_LOAD 356253	19.83 1.16 0.00	17.70 1.25 0.00	16.86 1.22 -0.15	16.41 1.17 -0.19	16.98 1.18 0.00	18.74 1.18 0.00	22.35 1.50 0.00	23.78 1.35 0.01	23.91 1.46 0.01	23.94 1.42 0.01	23.89 1.37 0.01	23.87 1.27 0.01	25.07 1.31 0.01	28.58 1.72 0.00	30.37 1.91 0.01	31.22 1.96 0.01	34.43 2.13 0.01	43.58 3.17 -1.81	45.39 3.32 -0.03	40.05 2.44 -0.02	35.60 1.97 -2.84	31.96 2.02 -1.44	28.72 1.98 0.00	24.48 1.45 0.00
FULTON COGEN____ 23766	18.65 -0.02 0.00	16.36 -0.08 0.00	15.39 -0.11 -0.01	14.97 -0.09 -0.02	15.72 -0.08 0.00	17.54 -0.02 0.00	20.78 -0.06 0.00	22.37 -0.07 0.00	22.35 -0.11 0.00	22.46 -0.07 0.00	22.46 -0.07 0.00	22.54 -0.07 0.00	24.71 -0.10 -1.03	28.93 -0.11 -2.18	31.09 -0.06 -2.68	32.30 0.03 -3.00	36.54 0.16 -4.07	44.92 0.12 -6.19	49.58 0.21 -7.33	42.33 0.34 -4.41	34.23 0.15 -3.29	30.92 -0.03 -2.45	28.43 -0.13 -1.82	23.01 -0.02 0.00



FULTON___LFGE 323630	20.69 2.02 0.00	18.03 1.58 0.00	17.15 1.44 -0.23	16.74 1.41 -0.28	17.30 1.50 0.00	19.27 1.70 0.00	23.04 2.19 0.00	24.70 2.27 0.00	24.66 2.20 0.00	24.51 1.98 0.00	24.42 1.89 0.00	24.58 1.97 0.00	26.08 2.31 0.00	29.55 2.69 0.00	31.45 2.99 0.00	32.55 3.28 0.00	36.41 4.10 0.00	49.19 5.56 -5.02	48.76 6.64 -0.09	43.72 6.05 -0.09	43.44 4.77 -7.88	36.53 4.04 -3.99	29.97 3.23 0.00	25.61 2.58 0.00
G.F.CEMENT___DRP 24184	19.94 1.27 0.00	17.73 1.28 0.00	16.91 1.22 -0.20	16.48 1.19 -0.25	17.03 1.23 0.00	18.91 1.35 0.00	22.56 1.71 0.00	24.21 1.77 0.00	24.28 1.82 0.00	24.20 1.67 0.00	24.13 1.60 0.00	24.22 1.61 0.00	25.60 1.83 0.00	28.50 1.64 0.00	30.20 1.74 0.00	31.02 1.76 0.00	34.54 2.23 0.00	47.29 3.36 -5.32	45.95 3.83 -0.09	41.13 3.46 -0.09	41.90 2.77 -8.34	35.11 2.39 -4.22	28.58 1.84 0.00	24.94 1.91 0.00
GARDENVILLE___LBMP 24039	19.27 0.60 0.00	16.84 0.39 0.00	15.53 0.02 -0.03	14.97 -0.11 -0.03	15.81 0.02 0.00	17.88 0.32 0.00	20.74 -0.10 0.00	22.69 0.25 0.00	22.87 0.40 0.00	23.23 0.70 0.00	23.36 0.83 0.00	23.58 0.97 0.00	24.75 0.97 0.00	27.89 1.02 0.00	29.72 1.25 0.00	30.85 1.58 0.00	34.44 2.13 0.00	41.01 2.08 -0.31	44.57 2.52 -0.01	40.52 2.93 -0.01	32.91 1.63 -0.49	29.51 0.77 -0.25	27.43 0.70 0.00	24.37 1.34 0.00
GARDNVLA_35_KV_LD 355827	19.34 0.67 0.00	16.91 0.46 0.00	15.57 0.06 -0.03	15.02 -0.06 -0.03	15.88 0.08 0.00	17.97 0.40 0.00	20.83 -0.02 0.00	22.80 0.36 0.00	23.00 0.54 0.00	23.36 0.83 0.00	23.47 0.95 0.00	23.70 1.09 0.00	24.87 1.09 0.00	28.05 1.18 0.00	29.86 1.39 0.00	31.02 1.76 0.00	34.63 2.33 0.00	41.24 2.32 -0.31	44.82 2.77 -0.01	40.75 3.16 -0.01	33.06 1.79 -0.49	29.65 0.91 -0.25	27.57 0.83 0.00	24.48 1.45 0.00
GELCKHM___115KV_LOAD 80723	18.69 0.02 0.00	16.41 -0.03 0.00	15.42 -0.08 -0.02	15.00 -0.06 -0.02	15.75 -0.05 0.00	17.58 0.02 0.00	20.83 -0.02 0.00	22.44 0.00 0.00	22.44 -0.02 0.00	22.55 0.02 0.00	22.55 0.02 0.00	22.66 0.05 0.00	24.20 0.05 -0.38	27.72 0.05 -0.80	29.57 0.11 -0.99	30.58 0.20 -1.11	34.13 0.32 -1.50	41.35 0.31 -2.43	45.16 0.42 -2.70	39.66 0.45 -1.63	32.48 0.25 -1.45	29.55 0.03 -1.02	27.38 -0.03 -0.67	23.08 0.05 0.00
GENERAL___MILLS 23808	19.32 0.65 0.00	16.87 0.43 0.00	15.56 0.05 -0.03	14.99 -0.09 -0.03	15.85 0.05 0.00	17.91 0.35 0.00	20.78 -0.06 0.00	22.73 0.29 0.00	22.93 0.47 0.00	23.30 0.77 0.00	23.41 0.88 0.00	23.63 1.02 0.00	24.80 1.02 0.00	27.94 1.07 0.00	29.78 1.31 0.00	30.91 1.64 0.00	34.51 2.20 0.00	41.08 2.16 -0.31	44.65 2.61 -0.01	40.60 3.01 -0.01	32.97 1.69 -0.49	29.57 0.83 -0.25	27.49 0.75 0.00	24.44 1.40 0.00
GE_PLASTICS___DRP 24183	19.02 0.35 0.00	16.97 0.53 0.00	16.22 0.54 -0.19	15.81 0.53 -0.24	16.34 0.54 0.00	18.07 0.51 0.00	21.47 0.63 0.00	23.04 0.61 0.00	23.07 0.61 0.00	23.05 0.52 0.00	23.05 0.52 0.00	23.13 0.52 0.00	24.32 0.55 0.00	27.51 0.64 0.00	29.29 0.83 0.00	30.18 0.91 0.00	33.37 1.07 0.00	43.29 1.39 -3.29	43.52 1.43 -0.06	39.00 1.35 -0.06	36.99 1.05 -5.16	32.10 1.00 -2.61	27.46 0.72 0.00	23.59 0.55 0.00
GILBOA___1 23756	19.12 0.45 0.00	17.01 0.56 0.00	16.24 0.60 -0.15	15.82 0.59 -0.19	16.40 0.60 0.00	18.14 0.58 0.00	21.56 0.71 0.00	23.18 0.74 0.00	23.20 0.74 0.00	23.23 0.70 0.00	23.25 0.72 0.00	23.31 0.70 0.00	24.49 0.71 0.00	27.67 0.81 0.00	29.38 0.91 0.00	30.32 1.05 0.00	33.44 1.13 0.00	41.67 1.39 -1.67	43.45 1.39 -0.03	39.01 1.39 -0.03	34.49 1.08 -2.63	30.85 1.02 -1.33	27.54 0.80 0.00	23.70 0.67 0.00
GILBOA___2 23757	19.12 0.45 0.00	17.01 0.56 0.00	16.24 0.60 -0.15	15.82 0.59 -0.19	16.40 0.60 0.00	18.14 0.58 0.00	21.56 0.71 0.00	23.18 0.74 0.00	23.20 0.74 0.00	23.23 0.70 0.00	23.25 0.72 0.00	23.31 0.70 0.00	24.49 0.71 0.00	27.67 0.81 0.00	29.38 0.91 0.00	30.32 1.05 0.00	33.44 1.13 0.00	41.67 1.39 -1.67	43.45 1.39 -0.03	39.01 1.39 -0.03	34.49 1.08 -2.63	30.85 1.02 -1.33	27.54 0.80 0.00	23.70 0.67 0.00
GILBOA___3 23758	19.12 0.45 0.00	17.01 0.56 0.00	16.24 0.60 -0.15	15.82 0.59 -0.19	16.40 0.60 0.00	18.14 0.58 0.00	21.56 0.71 0.00	23.18 0.74 0.00	23.20 0.74 0.00	23.23 0.70 0.00	23.25 0.72 0.00	23.31 0.70 0.00	24.49 0.71 0.00	27.67 0.81 0.00	29.38 0.91 0.00	30.32 1.05 0.00	33.44 1.13 0.00	41.67 1.39 -1.67	43.45 1.39 -0.03	39.01 1.39 -0.03	34.49 1.08 -2.63	30.85 1.02 -1.33	27.54 0.80 0.00	23.70 0.67 0.00
GILBOA___4 23759	19.12 0.45 0.00	17.01 0.56 0.00	16.24 0.60 -0.15	15.82 0.59 -0.19	16.40 0.60 0.00	18.14 0.58 0.00	21.56 0.71 0.00	23.18 0.74 0.00	23.20 0.74 0.00	23.23 0.70 0.00	23.25 0.72 0.00	23.31 0.70 0.00	24.49 0.71 0.00	27.67 0.81 0.00	29.38 0.91 0.00	30.32 1.05 0.00	33.44 1.13 0.00	41.67 1.39 -1.67	43.45 1.39 -0.03	39.01 1.39 -0.03	34.49 1.08 -2.63	30.85 1.02 -1.33	27.54 0.80 0.00	23.70 0.67 0.00
GILBOA___ 23599	19.12 0.45 0.00	17.01 0.56 0.00	16.24 0.60 -0.15	15.82 0.59 -0.19	16.40 0.60 0.00	18.14 0.58 0.00	21.56 0.71 0.00	23.18 0.74 0.00	23.20 0.74 0.00	23.23 0.70 0.00	23.23 0.70 0.00	23.29 0.68 0.00	24.49 0.71 0.00	27.67 0.81 0.00	29.46 1.00 0.00	30.32 1.05 0.00	33.47 1.16 0.00	41.67 1.39 -1.67	43.50 1.43 -0.03	39.04 1.43 -0.03	34.52 1.11 -2.63	30.88 1.05 -1.33	27.57 0.83 0.00	23.70 0.67 0.00
GINNA___ 23603	17.89 -0.78 0.00	15.67 -0.77 0.00	14.72 -0.79 -0.02	14.18 -0.89 -0.02	14.91 -0.88 0.00	16.77 -0.79 0.00	19.70 -1.15 0.00	21.34 -1.10 0.00	21.45 -1.01 0.00	21.63 -0.90 0.00	21.74 -0.79 0.00	21.91 -0.70 0.00	23.11 -0.67 0.00	26.14 -0.72 0.00	27.81 -0.65 0.00	28.57 -0.70 0.00	31.92 -0.39 0.00	38.12 -0.69 -0.21	41.66 -0.38 0.00	37.37 -0.22 0.00	30.52 -0.59 -0.32	27.69 -0.97 -0.16	25.80 -0.94 0.00	22.46 -0.57 0.00
GLEN PARK___ 23778	19.21 0.54 0.00	16.73 0.28 0.00	15.71 0.22 -0.01	15.39 0.33 -0.01	16.18 0.38 0.00	18.04 0.47 0.00	21.45 0.60 0.00	23.09 0.65 0.00	22.87 0.40 0.00	23.05 0.52 0.00	22.89 0.36 0.00	22.95 0.34 0.00	24.59 0.33 -0.48	28.34 0.46 -1.02	30.29 0.57 -1.25	31.23 0.55 -1.40	34.95 0.74 -1.90	42.66 1.16 -2.89	47.48 2.02 -3.42	41.49 1.84 -2.06	34.17 1.85 -1.54	31.23 1.59 -1.14	28.90 1.31 -0.85	24.09 1.06 0.00
GLENDALE_27_KV_LOAD 356172	19.73 1.06 0.00	17.63 1.18 0.00	16.83 1.19 -0.15	16.38 1.14 -0.19	16.95 1.15 0.00	18.76 1.19 0.00	22.39 1.54 0.00	24.12 1.68 0.00	24.24 1.77 0.00	24.26 1.73 0.00	24.24 1.71 0.00	24.22 1.61 0.00	25.44 1.66 0.00	28.83 1.96 0.00	30.74 2.28 0.00	31.64 2.37 0.00	34.89 2.58 0.00	44.02 3.59 -1.82	45.64 3.57 -0.03	40.47 2.86 -0.03	35.95 2.31 -2.85	32.19 2.25 -1.44	28.69 1.95 0.00	24.44 1.40 0.00



GLENWOOD_IC_1_G5 23712	19.64 0.97 0.00	17.56 1.12 0.00	16.72 1.08 -0.15	16.25 1.02 -0.19	16.82 1.03 0.00	18.72 1.16 0.00	22.41 1.56 0.00	24.17 1.73 0.00	24.21 1.75 0.00	24.15 1.62 0.00	24.26 1.73 0.00	24.28 1.67 0.00	25.41 1.64 0.00	28.63 1.77 0.00	30.72 2.25 0.00	31.70 2.43 0.00	34.76 2.46 0.00	43.67 3.24 -1.82	45.09 3.03 -0.03	40.13 2.52 -0.03	35.89 2.25 -2.85	32.13 2.19 -1.44	28.66 1.93 0.00	25.56 1.61 -0.91
GLENWOOD_IC_2_G1 23688	19.58 0.91 0.00	17.53 1.09 0.00	16.69 1.05 -0.15	16.22 0.99 -0.19	16.81 1.01 0.00	18.67 1.11 0.00	22.35 1.50 0.00	24.10 1.66 0.00	24.12 1.66 0.00	24.08 1.55 0.00	24.20 1.67 0.00	24.22 1.61 0.00	25.25 1.47 0.00	28.48 1.61 0.00	30.34 1.88 0.00	31.43 2.17 0.00	34.54 2.23 0.00	43.55 3.13 -1.82	45.05 2.99 -0.03	40.14 2.52 -0.03	35.58 1.94 -2.85	31.88 1.94 -1.44	28.23 1.50 0.00	25.44 1.50 -0.91
GLENWOOD_IC_3_G1 23689	19.58 0.91 0.00	17.53 1.09 0.00	16.69 1.05 -0.15	16.22 0.99 -0.19	16.81 1.01 0.00	18.67 1.11 0.00	22.35 1.50 0.00	24.10 1.66 0.00	24.12 1.66 0.00	24.08 1.55 0.00	24.20 1.67 0.00	24.22 1.61 0.00	25.25 1.47 0.00	28.48 1.61 0.00	30.34 1.88 0.00	31.43 2.17 0.00	34.54 2.23 0.00	43.55 3.13 -1.82	45.05 2.99 -0.03	40.14 2.52 -0.03	35.58 1.94 -2.85	31.88 1.94 -1.44	28.23 1.50 0.00	25.44 1.50 -0.91
GLENWOOD___4 23550	19.64 0.97 0.00	17.56 1.12 0.00	16.72 1.08 -0.15	16.25 1.02 -0.19	16.82 1.03 0.00	18.72 1.16 0.00	22.41 1.56 0.00	24.17 1.73 0.00	24.21 1.75 0.00	24.15 1.62 0.00	24.26 1.73 0.00	24.28 1.67 0.00	25.41 1.64 0.00	28.63 1.77 0.00	30.72 2.25 0.00	31.70 2.43 0.00	34.86 2.55 0.00	43.75 3.32 -1.82	45.18 3.11 -0.03	40.24 2.63 -0.03	35.98 2.34 -2.85	32.13 2.19 -1.44	28.66 1.93 0.00	25.56 1.61 -0.91
GLENWOOD___5 23614	19.64 0.97 0.00	17.56 1.12 0.00	16.72 1.08 -0.15	16.25 1.02 -0.19	16.82 1.03 0.00	18.72 1.16 0.00	22.41 1.56 0.00	24.17 1.73 0.00	24.21 1.75 0.00	24.15 1.62 0.00	24.26 1.73 0.00	24.28 1.67 0.00	25.41 1.64 0.00	28.63 1.77 0.00	30.72 2.25 0.00	31.70 2.43 0.00	34.86 2.55 0.00	43.75 3.32 -1.82	45.18 3.11 -0.03	40.24 2.63 -0.03	35.98 2.34 -2.85	32.13 2.19 -1.44	28.66 1.93 0.00	25.56 1.61 -0.91
GLOBAL GREEN_PORT_GT1 23814	19.88 1.21 0.00	17.98 1.53 0.00	17.03 1.39 -0.15	16.54 1.31 -0.19	17.08 1.28 0.00	19.07 1.51 0.00	22.99 2.15 0.00	24.84 2.40 0.00	24.75 2.29 0.00	24.47 1.94 0.00	24.56 2.03 0.00	24.60 1.99 0.00	25.37 1.59 0.00	28.55 1.69 0.01	30.80 2.33 0.00	32.05 2.78 0.00	35.44 3.13 0.00	44.67 4.25 -1.82	46.23 4.16 -0.02	41.11 3.50 -0.02	36.47 2.83 -2.85	32.56 2.62 -1.44	28.80 2.06 0.00	26.32 2.37 -0.91
GLOBE___DSASP 323697	18.63 -0.04 0.00	16.18 -0.26 0.00	15.14 -0.37 -0.03	14.56 -0.51 -0.03	15.20 -0.60 0.00	17.18 -0.39 0.00	19.83 -1.02 0.00	21.63 -0.81 0.00	21.79 -0.67 0.00	22.10 -0.43 0.00	22.21 -0.32 0.00	22.41 -0.20 0.00	23.70 -0.07 0.00	26.62 -0.24 0.00	28.38 -0.09 0.00	29.41 0.15 0.00	32.79 0.48 0.00	38.97 0.08 -0.28	42.51 0.46 0.00	38.64 1.05 0.00	31.44 0.22 -0.44	28.20 -0.51 -0.22	26.31 -0.43 0.00	23.26 0.23 0.00
GOETHSLN___LBMP 323567	19.60 0.93 0.00	17.50 1.05 0.00	16.69 1.05 -0.15	16.25 1.02 -0.19	16.82 1.03 0.00	18.67 1.11 0.00	22.33 1.48 0.00	24.05 1.62 0.00	24.12 1.66 0.00	24.13 1.60 0.00	24.06 1.53 0.00	24.06 1.45 0.00	25.25 1.47 0.00	28.58 1.72 0.00	30.52 2.05 0.00	31.40 2.14 0.00	34.60 2.29 0.00	43.59 3.17 -1.82	45.10 3.03 -0.03	40.14 2.52 -0.03	35.70 2.06 -2.85	31.93 1.99 -1.44	28.45 1.71 0.00	24.18 1.15 0.00
GOLAH___69_KV_TB 1_2 80279	19.23 0.56 0.00	16.79 0.35 0.00	15.72 0.22 -0.02	15.19 0.12 -0.02	15.96 0.16 0.00	17.97 0.40 0.00	20.99 0.15 0.00	22.84 0.40 0.00	22.84 0.38 0.00	23.03 0.50 0.00	23.05 0.52 0.00	23.29 0.68 0.00	24.65 0.88 0.00	27.78 0.91 0.00	29.52 1.05 0.00	30.44 1.17 0.00	33.76 1.45 0.00	40.60 1.78 -0.22	44.40 2.35 0.00	40.07 2.48 0.00	32.72 1.60 -0.34	29.58 0.91 -0.17	27.65 0.91 0.00	24.12 1.08 0.00
GOODYEAR_LAKE_HYD 323669	19.49 0.82 0.00	17.19 0.74 0.00	16.19 0.67 -0.04	15.79 0.69 -0.05	16.56 0.76 0.00	18.42 0.86 0.00	21.91 1.06 0.00	23.65 1.21 0.00	23.63 1.17 0.00	23.77 1.24 0.00	23.77 1.24 0.00	23.88 1.27 0.00	25.08 1.31 0.00	28.40 1.53 0.00	30.23 1.76 0.00	31.14 1.87 0.00	34.38 2.07 0.00	43.37 2.59 -2.17	44.93 2.86 -0.04	40.25 2.63 -0.04	36.31 2.12 -3.41	32.01 1.80 -1.72	28.18 1.44 0.00	24.28 1.24 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	19.21 0.54 0.00	16.87 0.43 0.00	15.83 0.29 -0.05	15.38 0.27 -0.06	16.15 0.35 0.00	18.04 0.47 0.00	21.35 0.50 0.00	23.09 0.65 0.00	23.14 0.67 0.00	23.25 0.72 0.00	23.29 0.77 0.00	23.40 0.79 -0.23	24.78 0.78 -0.48	28.23 0.89 -0.59	30.11 1.05 -0.66	31.15 1.23 -0.66	34.72 1.52 -0.89	42.30 1.70 -1.99	45.58 1.93 -1.61	40.48 1.92 -0.97	33.86 1.35 -1.72	30.50 0.97 -1.04	27.94 0.80 -0.40	23.95 0.92 0.00
GOUDEY___7 23579	19.23 0.56 0.00	16.89 0.44 0.00	15.83 0.29 -0.05	15.39 0.29 -0.06	16.16 0.36 0.00	18.05 0.49 0.00	21.37 0.52 0.00	23.11 0.67 0.00	23.16 0.70 0.00	23.30 0.77 0.00	23.32 0.79 0.00	23.43 0.81 -0.23	24.81 0.81 -0.48	28.25 0.91 -0.59	30.16 1.11 -0.66	31.18 1.26 -0.66	34.75 1.55 -0.89	42.34 1.74 -1.99	45.63 1.98 -1.61	40.51 1.95 -0.97	33.89 1.39 -1.72	30.53 1.00 -1.04	27.96 0.83 -0.40	23.98 0.94 0.00
GOUDEY___8 23580	19.21 0.54 0.00	16.87 0.43 0.00	15.83 0.29 -0.05	15.38 0.27 -0.06	16.15 0.35 0.00	18.04 0.47 0.00	21.35 0.50 0.00	23.09 0.65 0.00	23.14 0.67 0.00	23.25 0.72 0.00	23.29 0.77 0.00	23.40 0.79 -0.23	24.78 0.78 -0.48	28.23 0.89 -0.59	30.11 1.05 -0.66	31.15 1.23 -0.66	34.72 1.52 -0.89	42.30 1.70 -1.99	45.58 1.93 -1.61	40.48 1.92 -0.97	33.86 1.35 -1.72	30.50 0.97 -1.04	27.94 0.80 -0.40	23.95 0.92 0.00
GOWANUS_GT1_1 24077	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00
GOWANUS_GT1_2 24078	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00



GOWANUS_GT1_3 24079	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00
GOWANUS_GT1_4 24080	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00
GOWANUS_GT1_5 24084	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00
GOWANUS_GT1_6 24111	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00
GOWANUS_GT1_7 24112	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00
GOWANUS_GT1_8 24113	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00
GOWANUS_GT2_1 24114	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
GOWANUS_GT2_2 24115	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
GOWANUS_GT2_3 24116	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
GOWANUS_GT2_4 24117	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
GOWANUS_GT2_5 24118	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
GOWANUS_GT2_6 24119	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
GOWANUS_GT2_7 24120	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
GOWANUS_GT2_8 24121	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
GOWANUS_GT3_1 24122	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00



GOWANUS_GT3_2 24123	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
GOWANUS_GT3_3 24124	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
GOWANUS_GT3_4 24125	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
GOWANUS_GT3_5 24126	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
GOWANUS_GT3_6 24127	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
GOWANUS_GT3_7 24128	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
GOWANUS_GT3_8 24129	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
GOWANUS_GT4_1 24130	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00
GOWANUS_GT4_2 24131	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00
GOWANUS_GT4_3 24132	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00
GOWANUS_GT4_4 24133	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00
GOWANUS_GT4_5 24134	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00
GOWANUS_GT4_6 24135	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00
GOWANUS_GT4_7 24136	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00
GOWANUS_GT4_8 24137	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00



GREENBSH_115KV_TB3 55895	18.93 0.26 0.00	16.94 0.49 0.00	16.19 0.51 -0.19	15.78 0.50 -0.24	16.30 0.51 0.00	18.02 0.46 0.00	21.41 0.56 0.00	22.95 0.52 0.00	22.98 0.52 0.00	22.94 0.41 0.00	22.96 0.43 0.00	23.04 0.43 0.00	24.25 0.48 0.00	27.43 0.56 0.00	29.21 0.74 0.00	30.09 0.82 0.00	33.31 1.00 0.00	43.60 1.31 -3.68	43.45 1.35 -0.06	38.89 1.24 -0.06	37.54 0.99 -5.77	32.33 0.91 -2.92	27.35 0.61 0.00	23.49 0.46 0.00
GREENDGE_115KV_TB5 80291	19.30 0.63 0.00	16.84 0.39 0.00	15.70 0.19 -0.03	15.26 0.18 -0.04	16.07 0.27 0.00	18.07 0.51 0.00	21.35 0.50 0.00	23.20 0.76 0.00	23.23 0.76 0.00	23.43 0.90 0.00	23.47 0.95 0.00	23.61 0.99 0.00	25.00 1.05 -0.18	28.43 1.18 -0.38	30.31 1.37 -0.47	31.38 1.58 -0.53	34.87 1.84 -0.72	42.08 2.01 -1.46	45.82 2.48 -1.30	40.85 2.48 -0.78	33.64 1.69 -1.16	30.44 1.23 -0.73	28.10 1.04 -0.32	24.18 1.15 0.00
GREENIDGE___3 23582	19.30 0.63 0.00	16.84 0.39 0.00	15.70 0.19 -0.03	15.26 0.18 -0.04	16.07 0.27 0.00	18.07 0.51 0.00	21.35 0.50 0.00	23.20 0.76 0.00	23.23 0.76 0.00	23.43 0.90 0.00	23.47 0.95 0.00	23.61 0.99 0.00	25.00 1.05 -0.18	28.43 1.18 -0.38	30.31 1.37 -0.47	31.38 1.58 -0.53	34.87 1.84 -0.72	42.08 2.01 -1.46	45.82 2.48 -1.30	40.85 2.48 -0.78	33.64 1.69 -1.16	30.44 1.23 -0.73	28.10 1.04 -0.32	24.18 1.15 0.00
GREENIDGE___4 23583	19.30 0.64 0.00	16.84 0.39 0.00	15.70 0.19 -0.03	15.28 0.20 -0.04	16.07 0.27 0.00	18.07 0.51 0.00	21.35 0.50 0.00	23.16 0.72 0.00	23.23 0.76 0.00	23.43 0.90 0.00	23.41 0.88 0.00	23.54 0.93 0.00	25.00 1.04 -0.18	28.51 1.26 -0.38	30.42 1.48 -0.47	31.38 1.58 -0.53	35.03 2.00 -0.72	42.15 2.08 -1.46	45.99 2.65 -1.30	40.96 2.59 -0.78	33.73 1.78 -1.16	30.47 1.25 -0.72	28.15 1.10 -0.32	24.12 1.08 0.00
GREENLWN_69_KV_BK 3 55738	19.62 0.95 0.00	17.60 1.15 0.00	16.71 1.07 -0.15	16.24 1.01 -0.19	16.81 1.01 0.00	18.74 1.18 0.00	22.49 1.65 0.00	24.26 1.82 0.00	24.26 1.80 0.00	24.13 1.60 0.00	24.24 1.71 0.00	24.31 1.70 0.00	25.34 1.57 0.00	28.28 1.42 0.01	30.46 1.99 0.00	31.49 2.22 0.00	34.86 2.55 0.00	43.71 3.28 -1.82	45.01 2.94 -0.02	40.09 2.48 -0.02	36.10 2.46 -2.85	31.90 1.97 -1.44	28.64 1.90 0.00	25.76 1.82 -0.91
GREENWD_138_KV_38B11_REV_LBMP_J 345004	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00
GRISSOM___SOLAR 323813	20.69 2.02 0.00	18.03 1.58 0.00	17.15 1.44 -0.23	16.74 1.41 -0.28	17.30 1.50 0.00	19.27 1.70 0.00	23.04 2.19 0.00	24.70 2.27 0.00	24.66 2.20 0.00	24.51 1.98 0.00	24.42 1.89 0.00	24.58 1.97 0.00	26.08 2.31 0.00	29.55 2.69 0.00	31.45 2.99 0.00	32.55 3.28 0.00	36.41 4.10 0.00	49.19 5.56 -5.02	48.76 6.64 -0.09	43.72 6.05 -0.09	43.44 4.77 -7.88	36.53 4.04 -3.99	29.97 3.23 0.00	25.61 2.58 0.00
GROVEVILLE___HYD 323602	19.64 0.97 0.00	17.55 1.10 0.00	16.72 1.08 -0.15	16.27 1.04 -0.19	16.87 1.07 0.00	18.70 1.14 0.00	22.35 1.50 0.00	24.05 1.62 0.00	24.24 1.77 0.00	24.26 1.73 0.00	24.31 1.78 0.00	24.28 1.67 0.00	25.46 1.69 0.00	28.75 1.88 0.00	30.74 2.28 0.00	31.76 2.49 0.00	34.96 2.65 0.00	44.00 3.55 -1.83	45.43 3.36 -0.03	40.59 2.97 -0.03	36.06 2.40 -2.88	32.23 2.28 -1.46	28.61 1.87 0.00	24.46 1.43 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	18.82 0.15 0.00	16.51 0.07 0.00	15.52 0.02 -0.02	15.08 0.02 -0.02	15.85 0.05 0.00	17.69 0.12 0.00	20.97 0.13 0.00	22.60 0.16 0.00	22.62 0.16 0.00	22.71 0.18 0.00	22.71 0.18 0.00	22.81 0.20 0.00	24.56 0.21 -0.58	28.35 0.27 -1.22	30.31 0.34 -1.50	31.39 0.44 -1.68	35.20 0.61 -2.28	42.86 0.62 -3.63	46.89 0.76 -4.10	40.84 0.79 -2.47	33.42 0.52 -2.11	30.29 0.28 -1.51	27.94 0.19 -1.02	23.26 0.23 0.00
HAMLTNNY_34_KV_TB 80303	18.86 0.19 0.00	16.58 0.13 0.00	15.56 0.06 -0.02	15.14 0.08 -0.02	15.91 0.11 0.00	17.77 0.21 0.00	21.06 0.21 0.00	22.71 0.27 0.00	22.73 0.27 0.00	22.85 0.32 0.00	22.84 0.32 0.00	22.97 0.36 0.00	24.75 0.38 -0.59	28.58 0.46 -1.25	30.55 0.54 -1.55	31.64 0.64 -1.73	35.53 0.87 -2.35	43.29 0.93 -3.76	47.36 1.09 -4.22	41.22 1.09 -2.54	33.71 0.74 -2.19	30.51 0.46 -1.56	28.11 0.32 -1.05	23.42 0.39 0.00
HAMPSHIRE___PAPER_HYD 323593	18.56 -0.11 0.00	16.25 -0.20 0.00	15.29 -0.20 0.00	14.90 -0.15 -0.01	15.67 -0.13 0.00	17.39 -0.18 0.00	20.68 -0.17 0.00	22.35 -0.09 0.00	22.28 -0.18 0.00	22.33 -0.20 0.00	22.08 -0.45 0.00	22.09 -0.52 0.00	23.42 -0.55 -0.19	26.60 -0.67 -0.41	28.23 -0.74 -0.50	29.04 -0.79 -0.56	31.88 -1.19 -0.76	38.46 -1.31 -1.16	42.40 -1.01 -1.37	37.30 -1.13 -0.84	31.19 -0.21 -0.62	29.15 0.20 -0.46	27.40 0.32 -0.34	23.24 0.21 0.00
HARDSCRABBLE_WT_PWR 323673	18.73 0.06 0.00	16.43 -0.02 0.00	15.48 0.00 0.00	15.06 0.02 0.00	15.85 0.05 0.00	17.61 0.05 0.00	20.91 0.06 0.00	22.51 0.07 0.00	22.48 0.02 0.00	22.60 0.07 0.00	22.57 0.05 0.00	22.66 0.05 0.00	23.82 0.05 0.00	26.95 0.08 0.00	28.61 0.14 0.00	29.44 0.18 0.00	32.47 0.16 0.00	38.88 0.27 0.00	42.34 0.30 0.00	37.81 0.23 0.00	30.97 0.19 0.00	28.67 0.17 0.00	26.84 0.11 0.00	23.13 0.09 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	19.57 0.90 0.00	17.43 0.99 0.00	16.60 0.98 -0.14	16.15 0.93 -0.17	16.75 0.95 0.00	18.60 1.04 0.00	22.20 1.36 0.00	23.92 1.48 0.00	24.01 1.55 0.00	24.04 1.51 0.00	24.06 1.53 0.00	24.08 1.47 0.00	25.25 1.47 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.43 2.17 0.00	34.76 2.46 0.00	43.59 3.28 -1.70	45.14 3.07 -0.03	40.28 2.67 -0.03	35.64 2.19 -2.67	31.90 2.05 -1.35	28.39 1.66 0.00	24.28 1.24 0.00
HARSNRAD_115KV_TB1 81005	18.95 0.28 0.00	16.61 0.16 0.00	15.34 -0.17 -0.03	14.76 -0.32 -0.03	15.59 -0.21 0.00	17.63 0.07 0.00	20.30 -0.54 0.00	22.19 -0.25 0.00	22.35 -0.11 0.00	22.69 0.16 0.00	22.80 0.27 0.00	23.02 0.41 0.00	24.30 0.52 0.00	27.32 0.46 0.00	29.12 0.65 0.00	30.20 0.94 0.00	33.73 1.42 0.00	40.09 1.20 -0.28	43.73 1.68 0.00	39.77 2.18 0.00	32.30 1.08 -0.44	28.94 0.23 -0.22	26.98 0.24 0.00	23.89 0.85 0.00
HARZA MOOSE___RIVER 24016	19.06 0.39 0.00	16.64 0.20 0.00	15.66 0.17 -0.01	15.28 0.23 -0.01	16.07 0.27 0.00	17.88 0.32 0.00	21.26 0.42 0.00	22.93 0.49 0.00	22.82 0.36 0.00	22.98 0.45 0.00	22.89 0.36 0.00	22.97 0.36 0.00	24.32 0.38 -0.17	27.70 0.48 -0.35	29.47 0.57 -0.43	30.40 0.64 -0.48	33.55 0.58 -0.66	40.57 0.97 -1.00	44.56 1.35 -1.18	39.43 1.13 -0.71	32.45 1.14 -0.53	29.91 1.03 -0.39	27.86 0.83 -0.29	23.75 0.71 0.00



HDSNBRDG_115KV_BRDG_TB1 355580	18.73 0.06 0.00	16.43 -0.02 0.00	15.44 -0.06 -0.02	15.02 -0.05 -0.02	15.77 -0.03 0.00	17.60 0.04 0.00	20.87 0.02 0.00	22.46 0.02 0.00	22.48 0.02 0.00	22.60 0.07 0.00	22.60 0.07 0.00	22.70 0.09 0.00	24.20 0.12 -0.31	27.63 0.11 -0.65	29.44 0.17 -0.81	30.40 0.23 -0.90	33.89 0.36 -1.22	40.97 0.35 -2.01	44.70 0.46 -2.20	39.40 0.49 -1.33	32.29 0.28 -1.23	29.41 0.06 -0.86	27.28 0.00 -0.55	23.12 0.09 0.00
HELLGATE_13_KV_LD 55870	19.68 1.01 0.00	17.58 1.13 0.00	16.78 1.15 -0.15	16.35 1.11 -0.19	16.92 1.12 0.00	18.69 1.12 0.00	22.29 1.44 0.00	23.99 1.55 0.00	24.10 1.64 0.00	24.15 1.62 0.00	24.13 1.60 0.00	24.10 1.49 0.00	25.32 1.55 0.00	28.66 1.80 0.00	30.57 2.11 0.00	31.49 2.22 0.00	34.70 2.39 0.00	43.71 3.28 -1.82	45.35 3.28 -0.03	40.21 2.59 -0.03	35.76 2.12 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.32 1.29 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	19.68 1.01 0.00	17.58 1.13 0.00	16.78 1.15 -0.15	16.35 1.11 -0.19	16.92 1.12 0.00	18.69 1.12 0.00	22.29 1.44 0.00	23.99 1.55 0.00	24.10 1.64 0.00	24.15 1.62 0.00	24.13 1.60 0.00	24.10 1.49 0.00	25.32 1.55 0.00	28.66 1.80 0.00	30.57 2.11 0.00	31.49 2.22 0.00	34.70 2.39 0.00	43.71 3.28 -1.82	45.35 3.28 -0.03	40.21 2.59 -0.03	35.76 2.12 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.32 1.29 0.00
HEMPSTEAD____ 23647	19.51 0.84 0.00	17.48 1.04 0.00	16.61 0.98 -0.15	16.15 0.92 -0.19	16.73 0.93 0.00	18.62 1.05 0.00	22.33 1.48 0.00	24.10 1.66 0.00	24.08 1.62 0.00	23.97 1.44 0.00	24.15 1.62 0.00	24.17 1.56 0.00	25.06 1.28 0.00	28.20 1.34 0.01	30.12 1.65 0.00	31.23 1.96 0.00	34.28 1.97 0.00	43.24 2.82 -1.82	44.67 2.61 -0.02	39.79 2.18 -0.02	35.27 1.63 -2.85	31.65 1.71 -1.44	27.99 1.26 0.00	25.58 1.64 -0.91
HEWLETT__69_KV_BK3 55828	19.64 0.97 0.00	17.55 1.10 0.00	16.67 1.04 -0.15	16.21 0.98 -0.19	16.78 0.98 0.00	18.67 1.11 0.00	22.43 1.58 0.00	24.17 1.73 0.00	24.19 1.73 0.00	24.08 1.55 0.00	24.22 1.69 0.00	24.26 1.65 0.00	25.32 1.55 0.00	28.44 1.59 0.01	30.54 2.08 0.00	31.55 2.28 0.00	34.93 2.62 0.00	43.59 3.17 -1.82	44.92 2.86 -0.02	40.02 2.41 -0.02	36.13 2.49 -2.85	32.02 2.08 -1.44	28.72 1.98 0.00	25.74 1.80 -0.91
HICKLING___1 23621	19.57 0.90 0.00	17.12 0.67 0.00	15.91 0.39 -0.04	15.46 0.36 -0.05	16.30 0.51 0.00	18.32 0.76 0.00	21.58 0.73 0.00	23.49 1.05 0.00	23.58 1.12 0.00	23.81 1.28 0.00	23.90 1.37 0.00	24.04 1.42 0.00	25.38 1.43 -0.18	28.83 1.59 -0.38	30.79 1.85 -0.47	31.91 2.11 -0.53	35.64 2.62 -0.72	43.04 2.86 -1.58	46.62 3.28 -1.30	41.64 3.27 -0.79	34.37 2.25 -1.34	30.88 1.57 -0.82	28.42 1.36 -0.32	24.65 1.61 0.00
HICKLING___2 23622	19.57 0.90 0.00	17.12 0.67 0.00	15.91 0.39 -0.04	15.46 0.36 -0.05	16.30 0.51 0.00	18.32 0.76 0.00	21.58 0.73 0.00	23.49 1.05 0.00	23.58 1.12 0.00	23.81 1.28 0.00	23.90 1.37 0.00	24.04 1.42 0.00	25.38 1.43 -0.18	28.83 1.59 -0.38	30.79 1.85 -0.47	31.91 2.11 -0.53	35.64 2.62 -0.72	43.04 2.86 -1.58	46.62 3.28 -1.30	41.64 3.27 -0.79	34.37 2.25 -1.34	30.88 1.57 -0.82	28.42 1.36 -0.32	24.65 1.61 0.00
HIGH FALLS___HY 23754	19.77 1.10 0.00	17.56 1.12 0.00	16.72 1.08 -0.15	16.28 1.05 -0.18	16.90 1.11 0.00	18.77 1.21 0.00	22.43 1.58 0.00	24.21 1.77 0.00	24.30 1.84 0.00	24.33 1.80 0.00	24.31 1.78 0.00	24.24 1.63 0.00	25.41 1.64 0.00	28.69 1.83 0.00	30.72 2.25 0.00	31.70 2.43 0.00	35.05 2.75 0.00	44.30 3.75 -1.95	45.56 3.49 -0.03	40.70 3.08 -0.03	36.37 2.52 -3.06	32.46 2.42 -1.55	28.77 2.03 0.00	24.58 1.54 0.00
HILLBURN___GT 23639	19.58 0.91 0.00	17.45 1.00 0.00	16.61 0.98 -0.14	16.16 0.93 -0.18	16.76 0.96 0.00	18.58 1.02 0.00	22.20 1.35 0.00	23.94 1.50 0.00	23.99 1.53 0.00	24.02 1.49 0.00	24.08 1.55 0.00	24.08 1.47 0.00	25.22 1.45 0.00	28.42 1.56 0.00	30.29 1.82 0.00	31.38 2.11 0.00	34.51 2.20 0.00	43.35 3.01 -1.73	44.93 2.86 -0.03	40.06 2.44 -0.03	35.47 1.97 -2.71	31.75 1.88 -1.37	28.23 1.50 0.00	24.23 1.20 0.00
HILLSIDE_115KV_TB1 80332	19.29 0.62 0.00	16.87 0.43 0.00	15.70 0.17 -0.04	15.23 0.14 -0.05	16.07 0.27 0.00	18.02 0.46 0.00	21.24 0.40 0.00	23.07 0.63 0.00	23.16 0.70 0.00	23.36 0.83 0.00	23.41 0.88 0.00	23.54 0.93 0.00	24.87 0.90 -0.19	28.23 0.97 -0.40	30.15 1.20 -0.49	31.22 1.40 -0.55	34.86 1.81 -0.75	42.14 1.89 -1.63	45.58 2.19 -1.35	40.69 2.29 -0.82	33.68 1.51 -1.39	30.28 0.94 -0.85	27.85 0.78 -0.33	24.14 1.11 0.00
HISHELDN_WT_PWR 323625	19.19 0.52 0.00	16.78 0.33 0.00	15.47 -0.05 -0.03	15.01 -0.07 -0.04	15.78 -0.02 0.00	17.84 0.28 0.00	20.78 -0.06 0.00	22.60 0.16 0.00	22.89 0.43 0.00	23.23 0.70 0.00	23.20 0.68 0.00	23.40 0.79 0.00	24.72 0.95 0.00	28.02 1.15 0.00	29.89 1.42 0.00	30.76 1.49 0.00	34.47 2.16 0.00	41.11 2.16 -0.34	44.82 2.77 -0.01	40.53 2.93 -0.01	32.91 1.60 -0.53	29.56 0.80 -0.27	27.46 0.72 0.00	24.12 1.08 0.00
HOLTSVILLE_IC_1 23690	19.49 0.82 0.00	17.55 1.10 0.00	16.66 1.02 -0.15	16.18 0.95 -0.19	16.71 0.92 0.00	18.65 1.09 0.00	22.41 1.56 0.00	24.21 1.77 0.00	24.15 1.69 0.00	23.93 1.40 0.00	24.06 1.53 0.00	24.10 1.49 0.00	24.89 1.12 0.00	27.96 1.10 0.01	30.00 1.54 0.00	31.17 1.90 0.00	34.35 2.04 0.00	43.28 2.86 -1.82	44.71 2.65 -0.02	39.79 2.18 -0.02	35.39 1.75 -2.85	31.68 1.74 -1.44	27.99 1.26 0.00	25.72 1.77 -0.91
HOLTSVILLE_IC_10 23699	19.57 0.90 0.00	17.65 1.20 0.00	16.74 1.10 -0.15	16.27 1.04 -0.19	16.81 1.01 0.00	18.74 1.18 0.00	22.56 1.71 0.00	24.34 1.91 0.00	24.30 1.84 0.00	24.06 1.53 0.00	24.20 1.67 0.00	24.24 1.63 0.00	25.01 1.24 0.00	28.12 1.26 0.01	30.20 1.74 0.00	31.40 2.14 0.00	34.64 2.33 0.00	43.59 3.17 -1.82	45.05 2.99 -0.02	40.09 2.48 -0.02	35.64 2.00 -2.85	31.90 1.96 -1.44	28.21 1.47 0.00	25.88 1.94 -0.91
HOLTSVILLE_IC_2 23691	19.49 0.82 0.00	17.55 1.10 0.00	16.66 1.02 -0.15	16.18 0.95 -0.19	16.71 0.92 0.00	18.65 1.09 0.00	22.41 1.56 0.00	24.21 1.77 0.00	24.15 1.69 0.00	23.93 1.40 0.00	24.06 1.53 0.00	24.10 1.49 0.00	24.89 1.12 0.00	27.96 1.10 0.01	30.00 1.54 0.00	31.17 1.90 0.00	34.35 2.04 0.00	43.28 2.86 -1.82	44.71 2.65 -0.02	39.79 2.18 -0.02	35.39 1.75 -2.85	31.68 1.74 -1.44	27.99 1.26 0.00	25.72 1.77 -0.91
HOLTSVILLE_IC_3 23692	19.49 0.82 0.00	17.55 1.10 0.00	16.66 1.02 -0.15	16.18 0.95 -0.19	16.71 0.92 0.00	18.65 1.09 0.00	22.41 1.56 0.00	24.21 1.77 0.00	24.15 1.69 0.00	23.93 1.40 0.00	24.06 1.53 0.00	24.10 1.49 0.00	24.89 1.12 0.00	27.96 1.10 0.01	30.00 1.54 0.00	31.17 1.90 0.00	34.35 2.04 0.00	43.28 2.86 -1.82	44.71 2.65 -0.02	39.79 2.18 -0.02	35.39 1.75 -2.85	31.68 1.74 -1.44	27.99 1.26 0.00	25.72 1.77 -0.91



HOLTSVILLE_IC_4 23693	19.49 0.82 0.00	17.55 1.10 0.00	16.66 1.02 -0.15	16.18 0.95 -0.19	16.71 0.92 0.00	18.65 1.09 0.00	22.41 1.56 0.00	24.21 1.77 0.00	24.15 1.69 0.00	23.93 1.40 0.00	24.06 1.53 0.00	24.10 1.49 0.00	24.89 1.12 0.00	27.96 1.10 0.01	30.00 1.54 0.00	31.17 1.90 0.00	34.35 2.04 0.00	43.28 2.86 -1.82	44.71 2.65 -0.02	39.79 2.18 -0.02	35.39 1.75 -2.85	31.68 1.74 -1.44	27.99 1.26 0.00	25.72 1.77 -0.91
HOLTSVILLE_IC_5 23694	19.49 0.82 0.00	17.55 1.10 0.00	16.66 1.02 -0.15	16.18 0.95 -0.19	16.71 0.92 0.00	18.65 1.09 0.00	22.41 1.56 0.00	24.21 1.77 0.00	24.15 1.69 0.00	23.93 1.40 0.00	24.06 1.53 0.00	24.10 1.49 0.00	24.89 1.12 0.00	27.96 1.10 0.01	30.00 1.54 0.00	31.17 1.90 0.00	34.35 2.04 0.00	43.28 2.86 -1.82	44.71 2.65 -0.02	39.79 2.18 -0.02	35.39 1.75 -2.85	31.68 1.74 -1.44	27.99 1.26 0.00	25.72 1.77 -0.91
HOLTSVILLE_IC_6 23695	19.57 0.90 0.00	17.65 1.20 0.00	16.74 1.10 -0.15	16.27 1.04 -0.19	16.81 1.01 0.00	18.74 1.18 0.00	22.56 1.71 0.00	24.34 1.91 0.00	24.30 1.84 0.00	24.06 1.53 0.00	24.20 1.67 0.00	24.24 1.63 0.00	25.01 1.24 0.00	28.12 1.26 0.01	30.20 1.74 0.00	31.40 2.14 0.00	34.64 2.33 0.00	43.59 3.17 -1.82	45.05 2.99 -0.02	40.09 2.48 -0.02	35.64 2.00 -2.85	31.90 1.96 -1.44	28.21 1.47 0.00	25.88 1.94 -0.91
HOLTSVILLE_IC_7 23696	19.57 0.90 0.00	17.65 1.20 0.00	16.74 1.10 -0.15	16.27 1.04 -0.19	16.81 1.01 0.00	18.74 1.18 0.00	22.56 1.71 0.00	24.34 1.91 0.00	24.30 1.84 0.00	24.06 1.53 0.00	24.20 1.67 0.00	24.24 1.63 0.00	25.01 1.24 0.00	28.12 1.26 0.01	30.20 1.74 0.00	31.40 2.14 0.00	34.64 2.33 0.00	43.59 3.17 -1.82	45.05 2.99 -0.02	40.09 2.48 -0.02	35.64 2.00 -2.85	31.90 1.96 -1.44	28.21 1.47 0.00	25.88 1.94 -0.91
HOLTSVILLE_IC_8 23697	19.57 0.90 0.00	17.65 1.20 0.00	16.74 1.10 -0.15	16.27 1.04 -0.19	16.81 1.01 0.00	18.74 1.18 0.00	22.56 1.71 0.00	24.34 1.91 0.00	24.30 1.84 0.00	24.06 1.53 0.00	24.20 1.67 0.00	24.24 1.63 0.00	25.01 1.24 0.00	28.12 1.26 0.01	30.20 1.74 0.00	31.40 2.14 0.00	34.64 2.33 0.00	43.59 3.17 -1.82	45.05 2.99 -0.02	40.09 2.48 -0.02	35.64 2.00 -2.85	31.90 1.96 -1.44	28.21 1.47 0.00	25.88 1.94 -0.91
HOLTSVILLE_IC_9 23698	19.57 0.90 0.00	17.65 1.20 0.00	16.74 1.10 -0.15	16.27 1.04 -0.19	16.81 1.01 0.00	18.74 1.18 0.00	22.56 1.71 0.00	24.34 1.91 0.00	24.30 1.84 0.00	24.06 1.53 0.00	24.20 1.67 0.00	24.24 1.63 0.00	25.01 1.24 0.00	28.12 1.26 0.01	30.20 1.74 0.00	31.40 2.14 0.00	34.64 2.33 0.00	43.59 3.17 -1.82	45.05 2.99 -0.02	40.09 2.48 -0.02	35.64 2.00 -2.85	31.90 1.96 -1.44	28.21 1.47 0.00	25.88 1.94 -0.91
HOMER_HL_115KV_TB2 355744	19.53 0.86 0.00	17.07 0.62 0.00	15.56 0.05 -0.03	15.07 -0.02 -0.04	16.07 0.27 0.00	18.14 0.58 0.00	21.20 0.35 0.00	23.20 0.76 0.00	23.41 0.94 0.00	23.75 1.22 0.00	23.84 1.31 0.00	24.06 1.45 0.00	24.84 1.07 0.00	28.02 1.16 0.00	29.83 1.37 0.00	30.99 1.73 0.00	34.67 2.36 0.00	41.33 2.36 -0.36	44.74 2.69 -0.01	40.67 3.08 -0.01	33.14 1.79 -0.57	29.72 0.94 -0.29	27.51 0.78 0.00	24.81 1.77 0.00
HOWARD_WT_PWR 323690	19.64 0.97 0.00	17.11 0.66 0.00	15.78 0.26 -0.03	15.40 0.32 -0.04	16.21 0.41 0.00	18.30 0.74 0.00	21.51 0.67 0.00	23.45 1.01 0.00	23.63 1.17 0.00	23.93 1.40 0.00	23.88 1.35 0.00	24.06 1.45 0.00	25.50 1.59 -0.13	29.05 1.91 -0.28	31.03 2.22 -0.34	31.96 2.31 -0.39	35.90 3.07 -0.52	43.04 3.24 -1.19	46.98 4.00 -0.95	42.10 3.95 -0.57	34.38 2.55 -1.05	30.86 1.74 -0.63	28.57 1.60 -0.23	24.71 1.68 0.00
HQ_GEN_CEDARS 23644	18.20 -0.47 0.00	16.02 -0.43 0.00	15.07 -0.42 0.00	14.65 -0.39 0.00	15.39 -0.41 0.00	17.02 -0.54 0.00	20.18 -0.67 0.00	21.86 -0.58 0.00	21.90 -0.56 0.00	21.97 -0.56 0.00	21.94 -0.59 0.00	22.02 -0.59 0.00	23.18 -0.59 0.00	26.14 -0.73 0.00	27.50 -0.97 0.00	28.21 -1.05 0.00	28.92 -2.00 1.39	28.92 -2.43 7.26	28.96 -2.44 10.64	28.92 -2.56 6.11	28.64 -1.60 0.54	27.81 -0.68 0.00	26.34 -0.40 0.00	22.66 -0.37 0.00
HQ_GEN_CEDARS_PROXY 323590	18.20 -0.47 0.00	16.02 -0.43 0.00	15.07 -0.42 0.00	14.65 -0.39 0.00	15.39 -0.41 0.00	17.02 -0.54 0.00	20.18 -0.67 0.00	21.86 -0.58 0.00	21.90 -0.56 0.00	21.97 -0.56 0.00	21.94 -0.59 0.00	22.02 -0.59 0.00	23.18 -0.59 0.00	26.11 -0.75 0.00	27.53 -0.94 0.00	28.22 -1.05 0.00	28.92 -2.00 1.39	28.92 -2.43 7.26	28.92 -2.48 10.64	28.92 -2.56 6.11	28.92 -1.32 0.54	27.84 -0.65 0.00	26.34 -0.40 0.00	22.66 -0.37 0.00
HQ_GEN_IMPORT 323601	18.43 -0.24 0.00	16.13 -0.31 0.00	15.19 -0.29 0.00	14.77 -0.27 0.00	15.50 -0.30 0.00	17.19 -0.37 0.00	20.41 -0.44 0.00	22.01 -0.43 0.00	22.03 -0.43 0.00	22.12 -0.40 0.00	22.12 -0.40 0.00	22.20 -0.41 0.00	23.35 -0.43 0.00	26.38 -0.48 0.00	27.84 -0.63 0.00	28.51 -0.76 0.00	31.34 -0.97 0.00	31.34 -1.20 6.07	31.34 -1.26 9.44	31.34 -1.24 5.01	29.92 -0.86 0.00	27.84 -0.65 0.00	26.28 -0.45 0.00	22.64 -0.39 0.00
HQ_GEN_WHEEL 23651	18.43 -0.24 0.00	16.13 -0.31 0.00	15.19 -0.29 0.00	14.77 -0.27 0.00	15.50 -0.30 0.00	17.19 -0.37 0.00	20.41 -0.44 0.00	22.01 -0.43 0.00	22.03 -0.43 0.00	22.12 -0.40 0.00	22.12 -0.40 0.00	22.20 -0.41 0.00	23.35 -0.43 0.00	26.38 -0.48 0.00	27.84 -0.63 0.00	28.51 -0.76 0.00	31.34 -0.97 0.00	31.34 -1.20 6.07	31.34 -1.26 9.44	31.34 -1.24 5.01	29.92 -0.86 0.00	27.84 -0.65 0.00	26.28 -0.45 0.00	22.64 -0.39 0.00
HUDSON_AVE_GT_3 23810	19.66 0.99 0.00	17.58 1.13 0.00	16.77 1.13 -0.15	16.32 1.08 -0.19	16.89 1.09 0.00	18.74 1.18 0.00	22.39 1.54 0.00	24.14 1.71 0.00	24.24 1.77 0.00	24.24 1.71 0.00	24.20 1.67 0.00	24.19 1.58 0.00	25.39 1.62 0.00	28.75 1.88 0.00	30.69 2.22 0.00	31.58 2.31 0.00	34.83 2.52 0.00	43.90 3.47 -1.82	45.48 3.41 -0.03	40.44 2.82 -0.03	35.95 2.31 -2.85	32.13 2.19 -1.44	28.61 1.87 0.00	24.35 1.31 0.00
HUDSON_AVE_GT_4 23540	19.66 0.99 0.00	17.58 1.13 0.00	16.77 1.13 -0.15	16.32 1.08 -0.19	16.89 1.09 0.00	18.74 1.18 0.00	22.39 1.54 0.00	24.14 1.71 0.00	24.24 1.77 0.00	24.24 1.71 0.00	24.20 1.67 0.00	24.19 1.58 0.00	25.39 1.62 0.00	28.75 1.88 0.00	30.69 2.22 0.00	31.58 2.31 0.00	34.83 2.52 0.00	43.90 3.47 -1.82	45.48 3.41 -0.03	40.44 2.82 -0.03	35.95 2.31 -2.85	32.13 2.19 -1.44	28.61 1.87 0.00	24.35 1.31 0.00
HUDSON_AVE_GT_5 23657	19.66 0.99 0.00	17.58 1.13 0.00	16.77 1.13 -0.15	16.32 1.08 -0.19	16.89 1.09 0.00	18.74 1.18 0.00	22.39 1.54 0.00	24.14 1.71 0.00	24.24 1.77 0.00	24.24 1.71 0.00	24.20 1.67 0.00	24.19 1.58 0.00	25.39 1.62 0.00	28.75 1.88 0.00	30.69 2.22 0.00	31.58 2.31 0.00	34.83 2.52 0.00	43.90 3.47 -1.82	45.48 3.41 -0.03	40.44 2.82 -0.03	35.95 2.31 -2.85	32.13 2.19 -1.44	28.61 1.87 0.00	24.35 1.31 0.00



HUDSON_AVE_10 24168	19.62 0.95 0.00	17.53 1.09 0.00	16.72 1.08 -0.15	16.28 1.05 -0.19	16.86 1.06 0.00	18.70 1.14 0.00	22.37 1.52 0.00	24.12 1.68 0.00	24.21 1.75 0.00	24.24 1.71 0.00	24.15 1.62 0.00	24.15 1.54 0.00	25.34 1.57 0.00	28.69 1.83 0.00	30.63 2.16 0.00	31.52 2.25 0.00	34.76 2.46 0.00	43.82 3.40 -1.82	45.39 3.32 -0.03	40.36 2.74 -0.03	35.85 2.22 -2.85	32.07 2.14 -1.44	28.61 1.87 0.00	24.32 1.29 0.00
HUDSON___115KV_TB 4 355613	19.21 0.54 0.00	17.15 0.71 0.00	16.32 0.65 -0.19	15.89 0.62 -0.23	16.51 0.71 0.00	18.25 0.68 0.00	21.72 0.88 0.00	23.27 0.83 0.00	23.29 0.83 0.00	23.21 0.68 0.00	23.18 0.65 0.00	23.24 0.63 0.00	24.46 0.69 0.00	27.67 0.81 0.00	29.49 1.02 0.00	30.50 1.23 0.00	33.89 1.58 0.00	43.89 2.01 -3.28	44.36 2.27 -0.06	39.78 2.14 -0.06	37.56 1.63 -5.14	32.61 1.51 -2.60	27.86 1.12 0.00	23.95 0.92 0.00
HUNTER MOUNT___DRP 323613	19.23 0.56 0.00	17.19 0.74 0.00	16.27 0.60 -0.18	15.85 0.59 -0.22	16.52 0.73 0.00	18.26 0.70 0.00	21.74 0.90 0.00	23.29 0.85 0.00	23.32 0.85 0.00	23.21 0.68 0.00	23.20 0.68 0.00	23.29 0.68 0.00	24.46 0.69 0.00	27.67 0.81 0.00	29.49 1.02 0.00	30.53 1.26 0.00	33.99 1.68 0.00	43.68 2.08 -2.99	44.44 2.35 -0.05	39.89 2.26 -0.05	37.17 1.69 -4.69	32.43 1.57 -2.37	27.94 1.20 0.00	24.07 1.04 0.00
HUNTINGTON_RES_REC 323705	19.60 0.93 0.00	17.65 1.20 0.00	16.74 1.10 -0.15	16.27 1.04 -0.19	16.86 1.06 0.00	18.79 1.23 0.00	22.58 1.73 0.00	24.37 1.93 0.00	24.33 1.86 0.00	24.15 1.62 0.00	24.31 1.78 0.00	24.35 1.74 0.00	25.10 1.33 0.00	27.93 1.08 0.01	29.95 1.48 0.00	31.11 1.85 0.00	34.28 1.97 0.00	43.21 2.78 -1.82	44.63 2.56 -0.02	39.71 2.10 -0.02	35.33 1.69 -2.85	31.62 1.68 -1.44	27.91 1.18 0.00	25.83 1.89 -0.91
HUNTLEY___63 23557	19.17 0.50 0.00	16.71 0.26 0.00	15.50 -0.02 -0.03	14.91 -0.17 -0.03	15.67 -0.13 0.00	17.72 0.16 0.00	20.39 -0.46 0.00	22.33 -0.11 0.00	22.53 0.07 0.00	22.87 0.34 0.00	23.00 0.47 0.00	23.20 0.59 0.00	24.49 0.71 0.00	27.56 0.70 0.00	29.38 0.91 0.00	30.50 1.23 0.00	34.05 1.74 0.00	40.48 1.58 -0.29	44.10 2.06 0.00	40.15 2.56 0.00	32.56 1.32 -0.45	29.18 0.46 -0.23	27.16 0.43 0.00	24.05 1.01 0.00
HUNTLEY___64 23558	19.17 0.50 0.00	16.71 0.26 0.00	15.50 -0.02 -0.03	14.91 -0.17 -0.03	15.67 -0.13 0.00	17.72 0.16 0.00	20.39 -0.46 0.00	22.33 -0.11 0.00	22.53 0.07 0.00	22.87 0.34 0.00	23.00 0.47 0.00	23.20 0.59 0.00	24.49 0.71 0.00	27.56 0.70 0.00	29.38 0.91 0.00	30.50 1.23 0.00	34.05 1.74 0.00	40.48 1.58 -0.29	44.10 2.06 0.00	40.15 2.56 0.00	32.56 1.32 -0.45	29.18 0.46 -0.23	27.16 0.43 0.00	24.05 1.01 0.00
HUNTLEY___65 23559	19.17 0.50 0.00	16.71 0.26 0.00	15.50 -0.02 -0.03	14.91 -0.17 -0.03	15.67 -0.13 0.00	17.72 0.16 0.00	20.39 -0.46 0.00	22.33 -0.11 0.00	22.53 0.07 0.00	22.87 0.34 0.00	23.00 0.47 0.00	23.20 0.59 0.00	24.49 0.71 0.00	27.56 0.70 0.00	29.38 0.91 0.00	30.50 1.23 0.00	34.05 1.74 0.00	40.48 1.58 -0.29	44.10 2.06 0.00	40.15 2.56 0.00	32.56 1.32 -0.45	29.18 0.46 -0.23	27.16 0.43 0.00	24.05 1.01 0.00
HUNTLEY___66 23560	19.17 0.50 0.00	16.71 0.26 0.00	15.50 -0.02 -0.03	14.91 -0.17 -0.03	15.67 -0.13 0.00	17.72 0.16 0.00	20.39 -0.46 0.00	22.33 -0.11 0.00	22.53 0.07 0.00	22.87 0.34 0.00	23.00 0.47 0.00	23.20 0.59 0.00	24.49 0.71 0.00	27.56 0.70 0.00	29.38 0.91 0.00	30.50 1.23 0.00	34.05 1.74 0.00	40.48 1.58 -0.29	44.10 2.06 0.00	40.15 2.56 0.00	32.56 1.32 -0.45	29.18 0.46 -0.23	27.16 0.43 0.00	24.05 1.01 0.00
HUNTLEY___67 23561	19.12 0.45 0.00	16.71 0.26 0.00	15.45 -0.06 -0.03	14.88 -0.20 -0.03	15.70 -0.09 0.00	17.74 0.18 0.00	20.56 -0.29 0.00	22.46 0.02 0.00	22.64 0.18 0.00	22.98 0.45 0.00	23.11 0.59 0.00	23.31 0.70 0.00	24.53 0.76 0.00	27.64 0.78 0.00	29.43 0.97 0.00	30.56 1.29 0.00	34.09 1.78 0.00	40.57 1.66 -0.30	44.15 2.10 -0.01	40.11 2.52 -0.01	32.61 1.35 -0.47	29.25 0.51 -0.24	27.22 0.48 0.00	24.14 1.11 0.00
HUNTLEY___68 23562	19.12 0.45 0.00	16.71 0.26 0.00	15.45 -0.06 -0.03	14.88 -0.20 -0.03	15.70 -0.09 0.00	17.74 0.18 0.00	20.56 -0.29 0.00	22.46 0.02 0.00	22.64 0.18 0.00	22.98 0.45 0.00	23.11 0.59 0.00	23.31 0.70 0.00	24.53 0.76 0.00	27.64 0.78 0.00	29.43 0.97 0.00	30.56 1.29 0.00	34.09 1.78 0.00	40.57 1.66 -0.30	44.15 2.10 -0.01	40.11 2.52 -0.01	32.61 1.35 -0.47	29.25 0.51 -0.24	27.22 0.48 0.00	24.14 1.11 0.00
HYLAND___LFGE 323620	19.88 1.21 0.00	17.47 1.02 0.00	16.23 0.71 -0.03	15.71 0.63 -0.03	16.56 0.76 0.00	18.74 1.18 0.00	21.89 1.04 0.00	23.74 1.30 0.00	23.61 1.14 0.00	23.90 1.37 0.00	23.79 1.26 0.00	23.90 1.29 0.00	24.79 1.02 0.00	27.97 1.10 0.00	29.92 1.45 0.00	30.12 0.85 0.00	34.05 1.74 0.00	41.36 2.43 -0.32	45.83 3.79 -0.01	41.69 4.10 -0.01	34.09 2.80 -0.50	30.69 1.94 -0.25	29.17 2.43 0.00	25.41 2.37 0.00
INDECK___CORINTH 23802	19.92 1.25 0.00	17.71 1.27 0.00	16.88 1.19 -0.20	16.45 1.16 -0.25	17.01 1.22 0.00	18.88 1.32 0.00	22.52 1.67 0.00	24.19 1.75 0.00	24.28 1.82 0.00	24.17 1.64 0.00	24.15 1.62 0.00	24.22 1.61 0.00	25.58 1.81 0.00	28.21 1.34 0.00	29.75 1.28 0.00	30.62 1.35 0.00	33.99 1.68 0.00	46.83 2.86 -5.37	45.41 3.28 -0.09	40.69 3.01 -0.09	41.58 2.37 -8.42	34.81 2.05 -4.26	29.09 2.35 0.00	24.90 1.86 0.00
INDECK___ILION 23567	18.74 0.07 0.00	16.48 0.03 0.00	15.53 0.05 0.00	15.09 0.05 0.00	15.86 0.06 0.00	17.65 0.09 0.00	20.95 0.10 0.00	22.55 0.11 0.00	22.55 0.09 0.00	22.64 0.11 0.00	22.64 0.11 0.00	22.72 0.11 0.00	23.89 0.12 0.00	27.03 0.16 0.00	28.69 0.23 0.00	29.47 0.20 0.00	32.53 0.23 0.00	38.96 0.35 0.00	42.42 0.38 0.00	37.92 0.34 0.00	31.06 0.28 0.00	28.72 0.23 0.00	26.87 0.13 0.00	23.15 0.12 0.00
INDECK___OLEAN 23982	19.53 0.86 0.00	17.07 0.62 0.00	15.49 -0.03 -0.03	15.26 0.18 -0.04	16.07 0.27 0.00	18.14 0.58 0.00	21.20 0.35 0.00	23.11 0.67 0.00	23.41 0.94 0.00	23.77 1.24 0.00	23.34 0.81 0.00	23.54 0.93 0.00	24.84 1.07 0.00	28.21 1.34 0.00	30.06 1.59 0.00	31.02 1.76 0.00	34.76 2.45 0.00	41.48 2.51 -0.36	45.11 3.07 -0.01	40.90 3.31 -0.01	33.11 1.75 -0.57	29.78 1.00 -0.29	27.54 0.80 0.00	24.12 1.08 0.00
INDECK___OSWEGO 23783	18.50 -0.17 0.00	16.25 -0.20 0.00	15.30 -0.20 -0.01	14.86 -0.20 -0.02	15.61 -0.19 0.00	17.40 -0.16 0.00	20.64 -0.21 0.00	22.17 -0.27 0.00	22.17 -0.29 0.00	22.26 -0.27 0.00	22.21 -0.32 0.00	22.29 -0.32 0.00	24.80 -0.33 -1.36	29.38 -0.35 -2.87	31.66 -0.34 -3.53	32.90 -0.32 -3.96	37.48 -0.19 -5.36	46.46 -0.31 -8.16	51.48 -0.21 -9.65	43.31 -0.08 -5.80	34.97 -0.15 -4.34	31.44 -0.28 -3.23	28.82 -0.32 -2.40	22.78 -0.25 0.00



INDECK___YERKES 23781	19.19 0.52 0.00	16.74 0.30 0.00	15.50 -0.02 -0.03	14.96 -0.12 -0.03	15.72 -0.08 0.00	17.76 0.19 0.00	20.39 -0.46 0.00	22.19 -0.25 0.00	22.53 0.07 0.00	22.87 0.34 0.00	22.96 0.43 0.00	23.18 0.57 0.00	24.49 0.71 0.00	27.78 0.91 0.00	29.66 1.20 0.00	30.53 1.26 0.00	34.21 1.91 0.00	40.75 1.85 -0.29	44.57 2.52 0.00	40.33 2.74 0.00	32.56 1.32 -0.46	29.24 0.51 -0.23	27.19 0.45 0.00	24.00 0.97 0.00
INDIAN POINT_GT_1 24139	19.55 0.88 0.00	17.48 1.04 0.00	16.66 1.02 -0.15	16.21 0.98 -0.18	16.79 1.00 0.00	18.63 1.07 0.00	22.24 1.40 0.00	23.96 1.53 0.00	24.03 1.57 0.00	24.04 1.51 0.00	24.04 1.51 0.00	24.04 1.42 0.00	25.25 1.47 0.00	28.53 1.67 0.00	30.49 2.02 0.00	31.40 2.14 0.00	34.70 2.39 0.00	43.57 3.17 -1.80	45.18 3.11 -0.03	40.25 2.63 -0.03	35.76 2.15 -2.82	31.94 2.02 -1.43	28.42 1.68 0.00	24.23 1.20 0.00
INDIAN POINT_GT_2 23659	19.55 0.88 0.00	17.48 1.04 0.00	16.66 1.02 -0.15	16.21 0.98 -0.18	16.79 1.00 0.00	18.63 1.07 0.00	22.24 1.40 0.00	23.96 1.53 0.00	24.03 1.57 0.00	24.04 1.51 0.00	24.04 1.51 0.00	24.04 1.42 0.00	25.25 1.47 0.00	28.53 1.67 0.00	30.49 2.02 0.00	31.40 2.14 0.00	34.70 2.39 0.00	43.57 3.17 -1.80	45.18 3.11 -0.03	40.25 2.63 -0.03	35.76 2.15 -2.82	31.94 2.02 -1.43	28.42 1.68 0.00	24.23 1.20 0.00
INDIAN POINT_GT_3 24019	19.55 0.88 0.00	17.48 1.04 0.00	16.66 1.02 -0.15	16.21 0.98 -0.18	16.79 1.00 0.00	18.63 1.07 0.00	22.24 1.40 0.00	23.96 1.53 0.00	24.03 1.57 0.00	24.04 1.51 0.00	24.04 1.51 0.00	24.04 1.42 0.00	25.25 1.47 0.00	28.53 1.67 0.00	30.49 2.02 0.00	31.40 2.14 0.00	34.70 2.39 0.00	43.57 3.17 -1.80	45.18 3.11 -0.03	40.25 2.63 -0.03	35.76 2.15 -2.82	31.94 2.02 -1.43	28.42 1.68 0.00	24.23 1.20 0.00
INDIAN POINT___2 23530	19.55 0.88 0.00	17.48 1.04 0.00	16.64 1.01 -0.15	16.20 0.98 -0.18	16.79 1.00 0.00	18.63 1.07 0.00	22.24 1.40 0.00	23.99 1.55 0.00	24.01 1.55 0.00	24.02 1.49 0.00	24.08 1.55 0.00	24.08 1.47 0.00	25.22 1.45 0.00	28.42 1.56 0.00	30.29 1.82 0.00	31.38 2.11 0.00	34.51 2.20 0.00	43.43 3.05 -1.77	44.97 2.90 -0.03	40.10 2.48 -0.03	35.57 2.00 -2.78	31.81 1.91 -1.41	28.26 1.52 0.00	24.25 1.22 0.00
INDIAN POINT___3 23531	19.55 0.88 0.00	17.48 1.04 0.00	16.66 1.02 -0.15	16.21 0.98 -0.18	16.79 1.00 0.00	18.63 1.07 0.00	22.24 1.40 0.00	23.94 1.50 0.00	24.03 1.57 0.00	24.04 1.51 0.00	24.04 1.51 0.00	24.04 1.42 0.00	25.25 1.47 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.40 2.14 0.00	34.67 2.36 0.00	43.57 3.17 -1.80	45.14 3.07 -0.03	40.21 2.59 -0.03	35.73 2.12 -2.82	31.92 1.99 -1.43	28.39 1.66 0.00	24.23 1.20 0.00
INGHAM_C_115KV_TB7 356103	18.71 0.04 0.00	16.41 -0.03 0.00	15.45 -0.03 0.00	15.05 0.00 0.00	15.81 0.02 0.00	17.58 0.02 0.00	20.87 0.02 0.00	22.46 0.02 0.00	22.42 -0.04 0.00	22.53 0.00 0.00	22.51 -0.02 0.00	22.59 -0.02 0.00	23.75 -0.02 0.00	26.89 0.03 0.00	28.55 0.09 0.00	29.36 0.09 0.00	32.37 0.06 0.00	38.76 0.15 0.00	42.21 0.17 0.00	37.74 0.15 0.00	30.94 0.15 0.00	28.64 0.14 0.00	26.79 0.05 0.00	23.08 0.05 0.00
IP CORINTH___1 23988	19.92 1.25 0.00	17.71 1.27 0.00	16.88 1.19 -0.20	16.45 1.16 -0.25	17.01 1.22 0.00	18.88 1.32 0.00	22.51 1.67 0.00	24.19 1.75 0.00	24.26 1.80 0.00	24.17 1.64 0.00	24.11 1.58 0.00	24.19 1.58 0.00	25.58 1.81 0.00	28.34 1.48 0.00	29.98 1.51 0.00	30.79 1.52 0.00	34.25 1.94 0.00	47.06 3.09 -5.37	45.66 3.53 -0.09	40.87 3.19 -0.09	41.76 2.56 -8.42	34.92 2.17 -4.26	28.39 1.66 0.00	24.90 1.87 0.00
IP___TICONDEROGA 23804	20.74 2.07 0.00	18.37 1.92 0.00	17.47 1.78 -0.20	17.02 1.73 -0.25	17.63 1.83 0.00	19.60 2.04 0.00	23.41 2.56 0.00	25.15 2.72 0.00	25.31 2.85 0.00	25.17 2.64 0.00	25.05 2.52 0.00	25.21 2.60 0.00	26.77 3.00 0.00	29.85 2.98 0.00	31.60 3.13 0.00	32.58 3.31 0.00	36.44 4.14 0.00	49.74 5.79 -5.34	48.90 6.77 -0.09	43.77 6.09 -0.09	44.02 4.86 -8.37	36.78 4.05 -4.24	29.92 3.18 0.00	26.07 3.04 0.00
ISLIP_RES_REC 323679	19.62 0.95 0.00	17.71 1.27 0.00	16.80 1.16 -0.15	16.32 1.08 -0.19	16.87 1.07 0.00	18.81 1.25 0.00	22.64 1.79 0.00	24.46 2.02 0.00	24.39 1.93 0.00	24.17 1.64 0.00	24.31 1.78 0.00	24.35 1.74 0.00	25.13 1.35 0.00	28.25 1.40 0.01	30.34 1.88 0.00	31.58 2.31 0.00	34.86 2.55 0.00	43.86 3.44 -1.82	45.34 3.28 -0.02	40.35 2.74 -0.02	35.86 2.22 -2.85	32.08 2.14 -1.44	28.34 1.60 0.00	25.99 2.05 -0.91
JAMAICA__27_KV_LOAD 355505	19.62 0.95 0.00	17.53 1.09 0.00	16.74 1.10 -0.15	16.28 1.05 -0.19	16.86 1.06 0.00	18.76 1.19 0.00	22.47 1.63 0.00	24.26 1.82 0.00	24.37 1.91 0.00	24.40 1.87 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.39 1.62 0.00	28.72 1.85 0.00	30.63 2.16 0.00	31.52 2.25 0.00	34.76 2.46 0.00	43.94 3.51 -1.82	45.56 3.49 -0.03	40.47 2.86 -0.03	35.98 2.34 -2.85	32.13 2.19 -1.44	28.80 2.06 0.00	24.41 1.38 0.00
JANIS___SOLAR 323808	19.79 1.12 0.00	17.24 0.79 0.00	16.17 0.64 -0.05	15.84 0.74 -0.06	16.62 0.82 0.00	18.60 1.04 0.00	22.12 1.27 0.00	23.90 1.46 0.00	23.79 1.32 0.00	23.95 1.42 0.00	23.90 1.37 0.00	24.01 1.40 0.00	25.58 1.52 -0.29	29.30 1.83 -0.60	31.35 2.14 -0.75	32.39 2.28 -0.84	36.28 2.84 -1.13	44.35 3.48 -2.27	48.29 4.20 -2.05	42.61 3.79 -1.23	35.54 2.99 -1.77	32.00 2.39 -1.11	29.33 2.09 -0.51	24.85 1.82 0.00
JARVIS____ 23743	18.73 0.06 0.00	16.50 0.05 0.00	15.53 0.05 0.00	15.11 0.06 0.00	15.86 0.06 0.00	17.65 0.09 0.00	20.95 0.10 0.00	22.53 0.09 0.00	22.55 0.09 0.00	22.62 0.09 0.00	22.62 0.09 0.00	22.70 0.09 0.00	23.84 0.07 0.00	26.97 0.11 0.00	28.61 0.14 0.00	29.44 0.18 0.00	32.50 0.20 0.00	38.88 0.27 0.00	42.34 0.30 0.00	37.85 0.26 0.00	31.00 0.22 0.00	28.67 0.17 0.00	26.84 0.11 0.00	23.13 0.09 0.00
JENNISON___1 23625	20.01 1.34 0.00	17.45 1.00 0.00	16.41 0.87 -0.06	16.07 0.95 -0.08	16.86 1.06 0.00	18.83 1.26 0.00	22.41 1.56 0.00	24.26 1.82 0.00	24.12 1.66 0.00	24.33 1.80 0.00	24.35 1.82 0.00	24.47 1.85 0.00	25.91 1.93 -0.22	29.60 2.28 -0.46	31.67 2.65 -0.56	32.76 2.87 -0.63	36.36 3.20 -0.85	44.78 4.13 -2.04	48.29 4.71 -1.54	42.69 4.17 -0.93	36.09 3.45 -1.86	32.42 2.82 -1.10	29.47 2.35 -0.38	25.17 2.14 0.00
JENNISON___2 23626	20.01 1.34 0.00	17.45 1.00 0.00	16.41 0.87 -0.06	16.07 0.95 -0.08	16.86 1.06 0.00	18.83 1.26 0.00	22.41 1.56 0.00	24.26 1.82 0.00	24.12 1.66 0.00	24.33 1.80 0.00	24.35 1.82 0.00	24.47 1.85 0.00	25.91 1.93 -0.22	29.60 2.28 -0.46	31.67 2.65 -0.56	32.76 2.87 -0.63	36.36 3.20 -0.85	44.78 4.13 -2.04	48.29 4.71 -1.54	42.69 4.17 -0.93	36.09 3.45 -1.86	32.42 2.82 -1.10	29.47 2.35 -0.38	25.17 2.14 0.00



JERICO_RISE_WT_PWR 323719	18.35 -0.32 0.00	16.05 -0.39 0.00	15.08 -0.40 0.00	14.65 -0.39 0.00	15.37 -0.43 0.00	17.02 -0.54 0.00	20.37 -0.48 0.00	22.17 -0.27 0.00	22.22 -0.25 0.00	22.40 -0.13 0.00	22.44 -0.09 0.00	22.54 -0.07 0.00	23.75 -0.02 0.00	26.76 -0.11 0.00	28.27 -0.20 0.00	29.03 -0.24 0.00	31.79 -0.52 0.00	37.92 -0.69 0.00	41.62 -0.42 0.00	36.75 -0.83 0.00	30.63 -0.15 0.00	28.47 -0.03 0.00	26.90 0.16 0.00	23.10 0.07 0.00
KATONAH__115KV_46KV_TB4 355592	19.60 0.93 0.00	17.58 1.13 0.00	16.75 1.11 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.70 1.14 0.00	22.35 1.50 0.00	24.05 1.62 0.00	24.10 1.64 0.00	24.13 1.60 0.00	24.13 1.60 0.00	24.13 1.51 0.00	25.34 1.57 0.00	28.64 1.77 0.00	30.66 2.19 0.00	31.61 2.34 0.00	34.96 2.65 0.00	43.89 3.44 -1.84	45.43 3.36 -0.03	40.51 2.89 -0.03	36.05 2.37 -2.89	32.15 2.19 -1.46	28.56 1.82 0.00	24.35 1.31 0.00
KCE_NY_1 323755	19.71 1.04 0.00	17.55 1.10 0.00	16.74 1.05 -0.20	16.32 1.02 -0.25	16.87 1.07 0.00	18.70 1.14 0.00	22.27 1.42 0.00	23.92 1.48 0.00	23.97 1.51 0.00	23.88 1.35 0.00	23.90 1.37 0.00	23.99 1.38 0.00	25.30 1.52 0.00	28.45 1.58 0.00	30.17 1.71 0.00	31.14 1.87 0.00	34.54 2.23 0.00	46.95 3.05 -5.29	45.49 3.36 -0.09	40.76 3.08 -0.09	41.52 2.43 -8.30	34.86 2.16 -4.20	28.66 1.93 0.00	24.58 1.54 0.00
KCE_NY_6_ESR 323823	19.34 0.67 0.00	16.89 0.44 0.00	15.54 0.03 -0.03	15.08 0.00 -0.03	15.85 0.05 0.00	17.93 0.37 0.00	20.78 -0.06 0.00	22.64 0.20 0.00	22.96 0.49 0.00	23.32 0.79 0.00	23.25 0.72 0.00	23.47 0.86 0.00	24.82 1.04 0.00	28.15 1.29 0.00	30.06 1.59 0.00	30.96 1.70 0.00	34.70 2.39 0.00	41.32 2.39 -0.31	45.11 3.07 -0.01	40.82 3.23 -0.01	33.00 1.72 -0.49	29.63 0.88 -0.25	27.54 0.80 0.00	24.23 1.20 0.00
KEDC_PORT_JEFF_GT2 24210	19.57 0.90 0.00	17.63 1.18 0.00	16.72 1.08 -0.15	16.26 1.02 -0.19	16.79 1.00 0.00	18.72 1.16 0.00	22.53 1.69 0.00	24.32 1.89 0.00	24.26 1.80 0.00	24.04 1.51 0.00	24.17 1.64 0.00	24.22 1.61 0.00	25.01 1.24 0.00	28.07 1.21 0.01	30.15 1.68 0.00	31.35 2.08 0.00	34.57 2.26 0.00	43.28 2.86 -1.82	44.71 2.65 -0.02	39.75 2.14 -0.02	35.58 1.94 -2.85	31.85 1.91 -1.44	28.15 1.42 0.00	25.83 1.89 -0.91
KEDC_PORT_JEFF_GT3 24211	19.57 0.90 0.00	17.63 1.18 0.00	16.72 1.08 -0.15	16.26 1.02 -0.19	16.79 1.00 0.00	18.72 1.16 0.00	22.53 1.69 0.00	24.32 1.89 0.00	24.26 1.80 0.00	24.04 1.51 0.00	24.17 1.64 0.00	24.22 1.61 0.00	25.01 1.24 0.00	28.07 1.21 0.01	30.15 1.68 0.00	31.35 2.08 0.00	34.57 2.26 0.00	43.28 2.86 -1.82	44.71 2.65 -0.02	39.75 2.14 -0.02	35.58 1.94 -2.85	31.85 1.91 -1.44	28.15 1.42 0.00	25.83 1.89 -0.91
KEDC_GLWD_GT4 24219	19.64 0.97 0.00	17.57 1.12 0.00	16.72 1.08 -0.15	16.26 1.02 -0.19	16.82 1.03 0.00	18.72 1.16 0.00	22.41 1.56 0.00	24.19 1.75 0.00	24.19 1.73 0.00	24.13 1.60 0.00	24.31 1.78 0.00	24.33 1.72 0.00	25.32 1.54 0.00	28.53 1.67 0.00	30.43 1.96 0.00	31.55 2.28 0.00	34.41 2.10 0.00	43.40 2.97 -1.82	44.88 2.82 -0.03	39.94 2.33 -0.03	35.42 1.78 -2.85	31.93 1.99 -1.44	28.26 1.52 0.00	25.56 1.61 -0.91
KEDC_GLWD_GT5 24220	19.64 0.97 0.00	17.57 1.12 0.00	16.72 1.08 -0.15	16.26 1.02 -0.19	16.82 1.03 0.00	18.72 1.16 0.00	22.41 1.56 0.00	24.19 1.75 0.00	24.19 1.73 0.00	24.13 1.60 0.00	24.31 1.78 0.00	24.33 1.72 0.00	25.32 1.54 0.00	28.53 1.67 0.00	30.43 1.96 0.00	31.55 2.28 0.00	34.41 2.10 0.00	43.40 2.97 -1.82	44.88 2.82 -0.03	39.94 2.33 -0.03	35.42 1.78 -2.85	31.93 1.99 -1.44	28.26 1.52 0.00	25.56 1.61 -0.91
KENSICO____ 23655	19.58 0.91 0.00	17.52 1.07 0.00	16.69 1.05 -0.15	16.25 1.02 -0.19	16.82 1.03 0.00	18.67 1.11 0.00	22.31 1.46 0.00	24.01 1.57 0.00	24.10 1.64 0.00	24.11 1.58 0.00	24.11 1.58 0.00	24.10 1.49 0.00	25.32 1.55 0.00	28.61 1.75 0.00	30.57 2.11 0.00	31.49 2.22 0.00	34.76 2.46 0.00	43.70 3.28 -1.81	45.31 3.24 -0.03	40.32 2.71 -0.03	35.85 2.22 -2.85	32.01 2.08 -1.44	28.48 1.74 0.00	24.28 1.24 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	19.77 1.10 0.00	17.58 1.13 0.00	16.74 1.11 -0.14	16.30 1.08 -0.17	16.92 1.12 0.00	18.79 1.23 0.00	22.45 1.61 0.00	24.21 1.77 0.00	24.30 1.84 0.00	24.31 1.78 0.00	24.29 1.76 0.00	24.24 1.63 0.00	25.41 1.64 0.00	28.69 1.83 0.00	30.69 2.22 0.00	31.70 2.43 0.00	35.05 2.75 0.00	44.18 3.78 -1.79	45.64 3.57 -0.03	40.77 3.16 -0.03	36.18 2.59 -2.81	32.39 2.48 -1.42	28.77 2.03 0.00	24.62 1.59 0.00
KIAC_JFK_GT1 23816	19.53 0.86 0.00	17.47 1.02 0.00	16.66 1.02 -0.15	16.22 0.99 -0.19	16.79 1.00 0.00	18.69 1.12 0.00	22.39 1.54 0.00	24.17 1.73 0.00	24.28 1.82 0.00	24.29 1.76 0.00	24.11 1.58 0.00	24.08 1.47 0.00	25.27 1.50 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.29 2.02 0.00	34.47 2.16 0.00	43.59 3.17 -1.82	45.18 3.11 -0.03	40.10 2.48 -0.03	35.67 2.03 -2.85	31.87 1.94 -1.44	28.64 1.90 0.00	24.30 1.27 0.00
KIAC_JFK_GT2 23817	19.53 0.86 0.00	17.47 1.02 0.00	16.66 1.02 -0.15	16.22 0.99 -0.19	16.79 1.00 0.00	18.69 1.12 0.00	22.39 1.54 0.00	24.17 1.73 0.00	24.28 1.82 0.00	24.29 1.76 0.00	24.11 1.58 0.00	24.08 1.47 0.00	25.27 1.50 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.29 2.02 0.00	34.47 2.16 0.00	43.59 3.17 -1.82	45.18 3.11 -0.03	40.10 2.48 -0.03	35.67 2.03 -2.85	31.87 1.94 -1.44	28.64 1.90 0.00	24.30 1.27 0.00
KIAC_JFK____ 323774	19.53 0.86 0.00	17.47 1.02 0.00	16.66 1.02 -0.15	16.21 0.98 -0.19	16.79 1.00 0.00	18.69 1.12 0.00	22.39 1.54 0.00	24.19 1.75 0.00	24.24 1.77 0.00	24.24 1.71 0.00	24.15 1.62 0.00	24.13 1.52 0.00	25.25 1.47 0.00	28.50 1.64 0.00	30.20 1.74 0.00	31.29 2.02 0.00	34.28 1.97 0.00	43.44 3.01 -1.82	44.97 2.90 -0.03	39.99 2.37 -0.03	35.55 1.91 -2.85	31.79 1.85 -1.44	28.50 1.76 0.00	24.32 1.29 0.00
KINTIGH____ 23543	18.82 0.15 0.00	16.48 0.03 0.00	15.38 -0.12 -0.02	14.82 -0.26 -0.03	15.55 -0.25 0.00	17.53 -0.04 0.00	20.37 -0.48 0.00	22.19 -0.25 0.00	22.33 -0.13 0.00	22.60 0.07 0.00	22.69 0.16 0.00	22.88 0.27 0.00	24.25 0.48 0.00	27.29 0.43 0.00	29.04 0.57 0.00	30.06 0.79 0.00	33.50 1.20 0.00	39.82 0.97 -0.25	43.47 1.43 0.00	39.39 1.80 0.00	32.10 0.92 -0.39	28.89 0.20 -0.20	26.95 0.21 0.00	23.63 0.60 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	18.63 -0.04 0.00	16.30 -0.15 0.00	15.30 -0.19 0.00	14.86 -0.18 0.00	15.61 -0.19 0.00	17.28 -0.28 0.00	20.66 -0.19 0.00	22.55 0.11 0.00	22.57 0.11 0.00	22.76 0.23 0.00	22.82 0.29 0.00	22.93 0.32 0.00	24.15 0.38 0.00	27.24 0.38 0.00	28.75 0.28 0.00	29.62 0.35 0.00	32.53 0.23 0.00	38.80 0.19 0.00	42.67 0.63 0.00	37.58 0.00 0.00	31.19 0.40 0.00	28.98 0.48 0.00	27.35 0.61 0.00	23.47 0.44 0.00



LACHUTE____HYDRO 323717	20.74 2.07 0.00	18.37 1.92 0.00	17.47 1.78 -0.20	17.02 1.73 -0.25	17.63 1.83 0.00	19.60 2.04 0.00	23.41 2.56 0.00	25.18 2.74 0.00	25.34 2.88 0.00	25.19 2.66 0.00	25.07 2.54 0.00	25.21 2.60 0.00	26.77 3.00 0.00	29.87 3.01 0.00	31.54 3.08 0.00	32.60 3.34 0.00	36.41 4.10 0.00	49.73 5.79 -5.34	48.90 6.77 -0.09	43.84 6.16 -0.09	44.05 4.90 -8.37	36.83 4.10 -4.24	30.53 3.80 0.00	26.07 3.04 0.00
LAWRNCAV_115KV_TB1 80681	18.17 -0.50 0.00	15.95 -0.49 0.00	15.00 -0.48 0.00	14.61 -0.44 0.00	15.34 -0.46 0.00	16.98 -0.58 0.00	20.16 -0.69 0.00	21.86 -0.58 0.00	21.88 -0.58 0.00	21.88 -0.65 0.00	21.63 -0.90 0.00	21.64 -0.97 0.00	22.88 -1.00 -0.10	25.82 -1.26 -0.22	27.22 -1.51 -0.27	27.98 -1.58 -0.30	28.84 -2.49 0.98	29.07 -2.90 6.65	29.27 -2.86 9.91	28.94 -2.97 5.68	28.89 -1.66 0.23	28.07 -0.66 -0.23	26.59 -0.32 -0.17	22.71 -0.32 0.00
LEDERLE____ 23769	19.62 0.95 0.00	17.52 1.07 0.00	16.68 1.05 -0.15	16.23 1.01 -0.18	16.82 1.03 0.00	18.67 1.11 0.00	22.31 1.46 0.00	24.03 1.59 0.00	24.12 1.66 0.00	24.15 1.62 0.00	24.15 1.62 0.00	24.17 1.56 0.00	25.37 1.59 0.00	28.66 1.80 0.00	30.60 2.13 0.00	31.55 2.28 0.00	34.86 2.55 0.00	43.75 3.40 -1.75	45.31 3.24 -0.03	40.43 2.82 -0.03	35.80 2.28 -2.74	32.02 2.14 -1.39	28.50 1.76 0.00	24.35 1.31 0.00
LIGHTHSE_115KV_TB6 355974	18.76 0.09 0.00	16.45 0.00 0.00	15.45 -0.05 -0.01	15.06 0.00 -0.01	15.81 0.02 0.00	17.65 0.09 0.00	20.93 0.08 0.00	22.53 0.09 0.00	22.46 0.00 0.00	22.57 0.05 0.00	22.53 0.00 0.00	22.61 0.00 0.00	24.49 -0.02 -0.74	28.42 0.00 -1.56	30.44 0.06 -1.92	31.53 0.12 -2.15	35.38 0.16 -2.91	43.27 0.23 -4.43	47.83 0.55 -5.24	41.30 0.56 -3.15	33.63 0.49 -2.35	30.62 0.37 -1.75	28.25 0.21 -1.30	23.26 0.23 0.00
LINDEN COGEN____ 23786	19.58 0.91 0.00	17.50 1.05 0.00	16.69 1.05 -0.15	16.24 1.01 -0.19	16.81 1.01 0.00	18.67 1.11 0.00	22.31 1.46 0.00	24.08 1.64 0.00	24.08 1.62 0.00	24.08 1.55 0.00	24.11 1.58 0.00	24.08 1.47 0.00	25.22 1.45 0.00	28.48 1.61 0.00	30.29 1.82 0.00	31.38 2.11 0.00	34.35 2.04 0.00	43.44 3.01 -1.82	44.89 2.82 -0.03	39.99 2.37 -0.03	35.51 1.88 -2.85	31.82 1.88 -1.44	28.29 1.55 0.00	24.23 1.20 0.00
LINDHRST_69_KV_BK1 356055	19.66 0.99 0.00	17.65 1.20 0.00	16.75 1.11 -0.15	16.27 1.04 -0.19	16.84 1.04 0.00	18.77 1.21 0.00	22.51 1.67 0.00	24.28 1.84 0.00	24.28 1.82 0.00	24.11 1.58 0.00	24.22 1.69 0.00	24.26 1.65 0.00	25.27 1.50 0.00	28.39 1.53 0.01	30.63 2.16 0.00	31.70 2.43 0.00	35.15 2.84 0.00	44.02 3.59 -1.82	45.43 3.36 -0.02	40.43 2.82 -0.02	36.44 2.80 -2.85	32.19 2.25 -1.44	28.93 2.19 0.00	25.90 1.96 -0.91
LIPA_MISC_IPP 23656	19.40 0.73 0.00	17.50 1.05 0.00	16.60 0.96 -0.15	16.13 0.90 -0.19	16.64 0.84 0.00	18.56 1.00 0.00	22.35 1.50 0.00	24.10 1.66 0.00	24.08 1.62 0.00	23.84 1.31 0.00	23.86 1.33 0.00	23.90 1.29 0.00	24.89 1.12 0.00	27.99 1.13 0.01	30.26 1.79 0.00	31.32 2.05 0.00	34.80 2.49 0.00	43.59 3.17 -1.82	44.88 2.82 -0.02	39.98 2.37 -0.02	36.19 2.56 -2.85	31.87 1.94 -1.44	28.64 1.90 0.00	25.56 1.61 -0.91
LISF____SOLAR 323691	19.42 0.75 0.00	17.50 1.05 0.00	16.60 0.96 -0.15	16.13 0.90 -0.19	16.65 0.85 0.00	18.56 1.00 0.00	22.37 1.52 0.00	24.14 1.70 0.00	24.06 1.59 0.00	23.81 1.28 0.00	23.90 1.37 0.00	23.94 1.33 0.00	24.70 0.93 0.00	27.77 0.91 0.01	29.83 1.37 0.00	31.02 1.76 0.00	34.21 1.91 0.00	43.17 2.74 -1.82	44.63 2.56 -0.02	39.71 2.10 -0.02	35.30 1.66 -2.85	31.59 1.65 -1.44	27.91 1.18 0.00	25.60 1.66 -0.91
LITTLE FALLS____HYD 24013	18.71 0.04 0.00	16.41 -0.03 0.00	15.45 -0.03 0.00	15.05 0.00 0.00	15.81 0.02 0.00	17.58 0.02 0.00	20.87 0.02 0.00	22.46 0.02 0.00	22.42 -0.04 0.00	22.53 0.00 0.00	22.51 -0.02 0.00	22.59 -0.02 0.00	23.75 -0.02 0.00	26.89 0.03 0.00	28.55 0.09 0.00	29.36 0.09 0.00	32.37 0.06 0.00	38.76 0.15 0.00	42.21 0.17 0.00	37.74 0.15 0.00	30.94 0.15 0.00	28.64 0.14 0.00	26.79 0.05 0.00	23.08 0.05 0.00
LITTLRIV_115KV_TB1 356100	18.32 -0.35 0.00	16.02 -0.43 0.00	15.07 -0.42 0.00	14.70 -0.35 0.00	15.45 -0.35 0.00	17.09 -0.47 0.00	20.30 -0.54 0.00	22.03 -0.40 0.00	21.99 -0.47 0.00	22.03 -0.50 0.00	21.79 -0.74 0.00	21.80 -0.81 0.00	23.05 -0.83 -0.11	26.03 -1.07 -0.24	27.48 -1.28 -0.29	28.22 -1.38 -0.33	30.49 -2.26 -0.44	36.69 -2.59 -0.67	40.39 -2.44 -0.79	35.38 -2.67 -0.47	29.77 -1.35 -0.34	28.38 -0.37 -0.26	26.85 -0.08 -0.19	22.89 -0.14 0.00
LI_NEWBRDGE____DRP 323616	19.42 0.75 0.00	17.40 0.95 0.00	16.54 0.90 -0.15	16.07 0.84 -0.19	16.64 0.84 0.00	18.51 0.95 0.00	22.22 1.38 0.00	23.96 1.53 0.00	23.97 1.50 0.00	23.86 1.33 0.00	23.95 1.42 0.00	24.01 1.40 0.00	25.03 1.26 0.00	28.12 1.26 0.01	30.23 1.76 0.00	31.20 1.93 0.00	34.51 2.20 0.00	43.28 2.86 -1.82	44.63 2.56 -0.02	39.71 2.10 -0.02	35.76 2.12 -2.85	31.68 1.74 -1.44	28.42 1.68 0.00	25.51 1.57 -0.91
LOCKPORT_115KV_TB60_63_64 80432	18.93 0.26 0.00	16.61 0.16 0.00	15.34 -0.17 -0.02	14.74 -0.33 -0.03	15.58 -0.22 0.00	17.61 0.05 0.00	20.28 -0.56 0.00	22.17 -0.27 0.00	22.35 -0.11 0.00	22.66 0.14 0.00	22.78 0.25 0.00	23.00 0.38 0.00	24.27 0.50 0.00	27.32 0.46 0.00	29.09 0.63 0.00	30.20 0.94 0.00	33.73 1.42 0.00	40.08 1.20 -0.28	43.73 1.68 0.00	39.77 2.18 0.00	32.30 1.08 -0.43	28.94 0.23 -0.22	26.98 0.24 0.00	23.86 0.83 0.00
LOCKPORT____CC1 323769	18.95 0.28 0.00	16.61 0.16 0.00	15.34 -0.17 -0.03	14.79 -0.29 -0.03	15.54 -0.25 0.00	17.63 0.07 0.00	20.30 -0.54 0.00	22.06 -0.38 0.00	22.35 -0.11 0.00	22.69 0.16 0.00	22.80 0.27 0.00	23.00 0.38 0.00	24.30 0.52 0.00	27.51 0.64 0.00	29.38 0.91 0.00	30.23 0.96 0.00	33.89 1.58 0.00	40.32 1.43 -0.28	44.15 2.10 0.00	39.96 2.37 0.00	32.30 1.08 -0.44	29.00 0.28 -0.22	27.00 0.27 0.00	23.89 0.85 0.00
LOCKPORT____CC2 323770	18.95 0.28 0.00	16.61 0.16 0.00	15.34 -0.17 -0.03	14.79 -0.29 -0.03	15.54 -0.25 0.00	17.63 0.07 0.00	20.30 -0.54 0.00	22.06 -0.38 0.00	22.35 -0.11 0.00	22.69 0.16 0.00	22.80 0.27 0.00	23.00 0.38 0.00	24.30 0.52 0.00	27.51 0.64 0.00	29.38 0.91 0.00	30.23 0.96 0.00	33.89 1.58 0.00	40.32 1.43 -0.28	44.15 2.10 0.00	39.96 2.37 0.00	32.30 1.08 -0.44	29.00 0.28 -0.22	27.00 0.27 0.00	23.89 0.85 0.00
LOCKPORT____CC3 323771	18.95 0.28 0.00	16.61 0.16 0.00	15.34 -0.17 -0.03	14.79 -0.29 -0.03	15.54 -0.25 0.00	17.63 0.07 0.00	20.30 -0.54 0.00	22.06 -0.38 0.00	22.35 -0.11 0.00	22.69 0.16 0.00	22.80 0.27 0.00	23.00 0.38 0.00	24.30 0.52 0.00	27.51 0.64 0.00	29.38 0.91 0.00	30.23 0.96 0.00	33.89 1.58 0.00	40.32 1.43 -0.28	44.15 2.10 0.00	39.96 2.37 0.00	32.30 1.08 -0.44	29.00 0.28 -0.22	27.00 0.27 0.00	23.89 0.85 0.00



LONG_LAKE_PHOENIX 24014	18.65 -0.02 0.00	16.36 -0.08 0.00	15.39 -0.11 -0.01	14.97 -0.09 -0.02	15.72 -0.08 0.00	17.54 -0.02 0.00	20.78 -0.06 0.00	22.37 -0.07 0.00	22.35 -0.11 0.00	22.46 -0.07 0.00	22.46 -0.07 0.00	22.54 -0.07 0.00	24.71 -0.10 -1.03	28.93 -0.11 -2.18	31.09 -0.06 -2.68	32.30 0.03 -3.00	36.54 0.16 -4.07	44.92 0.12 -6.19	49.58 0.21 -7.33	42.33 0.34 -4.41	34.23 0.15 -3.29	30.92 -0.03 -2.45	28.43 -0.13 -1.82	23.01 -0.02 0.00
LOVETT___3 23632	19.55 0.88 0.00	17.47 1.02 0.00	16.62 0.99 -0.15	16.19 0.96 -0.18	16.78 0.98 0.00	18.62 1.05 0.00	22.22 1.38 0.00	23.94 1.50 0.00	24.01 1.55 0.00	24.04 1.51 0.00	24.04 1.51 0.00	24.06 1.45 0.00	25.25 1.47 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.40 2.14 0.00	34.67 2.36 0.00	43.53 3.17 -1.75	45.10 3.03 -0.03	40.21 2.59 -0.03	35.66 2.12 -2.75	31.88 1.99 -1.39	28.39 1.66 0.00	24.23 1.20 0.00
LOVETT___4 23642	19.55 0.88 0.00	17.47 1.02 0.00	16.62 0.99 -0.15	16.19 0.96 -0.18	16.78 0.98 0.00	18.62 1.05 0.00	22.22 1.38 0.00	23.94 1.50 0.00	24.01 1.55 0.00	24.04 1.51 0.00	24.04 1.51 0.00	24.06 1.45 0.00	25.25 1.47 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.40 2.14 0.00	34.67 2.36 0.00	43.53 3.17 -1.75	45.10 3.03 -0.03	40.21 2.59 -0.03	35.66 2.12 -2.75	31.88 1.99 -1.39	28.39 1.66 0.00	24.23 1.20 0.00
LOVETT___5 23593	19.55 0.88 0.00	17.47 1.02 0.00	16.62 0.99 -0.15	16.19 0.96 -0.18	16.78 0.98 0.00	18.62 1.05 0.00	22.22 1.38 0.00	23.94 1.50 0.00	24.01 1.55 0.00	24.04 1.51 0.00	24.04 1.51 0.00	24.06 1.45 0.00	25.25 1.47 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.40 2.14 0.00	34.67 2.36 0.00	43.53 3.17 -1.75	45.10 3.03 -0.03	40.21 2.59 -0.03	35.66 2.12 -2.75	31.88 1.99 -1.39	28.39 1.66 0.00	24.23 1.20 0.00
LOWER_RAQUET___HYD 24057	18.15 -0.52 0.00	15.94 -0.51 0.00	14.99 -0.50 0.00	14.59 -0.45 0.00	15.34 -0.46 0.00	16.96 -0.60 0.00	20.16 -0.69 0.00	21.86 -0.58 0.00	21.88 -0.58 0.00	21.85 -0.68 0.00	21.54 -0.99 0.00	21.53 -1.08 0.00	22.73 -1.14 -0.10	25.65 -1.42 -0.21	27.11 -1.62 -0.26	27.81 -1.76 -0.29	30.12 -2.59 -0.40	36.13 -3.09 -0.61	39.77 -2.98 -0.72	34.93 -3.08 -0.42	29.63 -1.48 -0.32	28.13 -0.60 -0.24	26.65 -0.27 -0.18	22.76 -0.28 0.00
LOWER___HUDSON 24059	19.36 0.69 0.00	17.28 0.84 0.00	16.52 0.84 -0.20	16.10 0.81 -0.24	16.63 0.84 0.00	18.44 0.88 0.00	21.93 1.08 0.00	23.54 1.10 0.00	23.56 1.10 0.00	23.48 0.95 0.00	23.52 0.99 0.00	23.60 0.99 0.00	24.82 1.04 0.00	28.02 1.15 0.00	29.72 1.25 0.00	30.70 1.43 0.00	33.92 1.61 0.00	45.56 2.20 -4.75	44.43 2.31 -0.08	39.81 2.14 -0.08	39.96 1.72 -7.45	33.83 1.57 -3.77	28.02 1.28 0.00	24.07 1.04 0.00
LOWVILLE_115KV_TB2 356335	19.02 0.35 0.00	16.61 0.16 0.00	15.61 0.12 -0.01	15.25 0.20 -0.01	16.03 0.24 0.00	17.86 0.30 0.00	21.24 0.40 0.00	22.89 0.45 0.00	22.75 0.29 0.00	22.89 0.36 0.00	22.75 0.23 0.00	22.81 0.20 0.00	24.22 0.21 -0.23	27.64 0.30 -0.48	29.40 0.34 -0.59	30.34 0.41 -0.66	33.50 0.29 -0.90	40.63 0.66 -1.37	44.83 1.18 -1.62	39.50 0.94 -0.98	32.62 1.11 -0.72	30.09 1.05 -0.54	28.02 0.88 -0.40	23.77 0.74 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	19.72 1.05 0.00	17.55 1.10 0.00	16.74 1.05 -0.20	16.31 1.02 -0.25	16.86 1.06 0.00	18.70 1.14 0.00	22.24 1.40 0.00	23.90 1.46 0.00	23.94 1.48 0.00	23.86 1.33 0.00	23.84 1.31 0.00	23.95 1.33 0.00	25.27 1.50 0.00	28.42 1.56 0.00	30.20 1.74 0.00	31.11 1.84 0.00	34.54 2.23 0.00	46.91 3.01 -5.29	45.45 3.32 -0.09	40.72 3.04 -0.09	41.52 2.43 -8.31	34.83 2.14 -4.20	28.42 1.68 0.00	24.55 1.52 0.00
LUTHERNY_35_KV_BK2 355980	19.72 1.05 0.00	17.55 1.10 0.00	16.75 1.07 -0.20	16.31 1.02 -0.25	16.87 1.07 0.00	18.70 1.14 0.00	22.26 1.42 0.00	23.90 1.46 0.00	23.94 1.48 0.00	23.88 1.35 0.00	23.86 1.33 0.00	23.97 1.36 0.00	25.27 1.50 0.00	28.45 1.59 0.00	30.23 1.76 0.00	31.11 1.84 0.00	34.57 2.26 0.00	46.91 3.01 -5.29	45.49 3.36 -0.09	40.76 3.08 -0.09	41.55 2.46 -8.31	34.86 2.17 -4.20	28.45 1.71 0.00	24.58 1.54 0.00
LWR___OSWEGATCHIE_HYD 23850	18.56 -0.11 0.00	16.25 -0.20 0.00	15.27 -0.22 0.00	14.90 -0.15 -0.01	15.67 -0.13 0.00	17.39 -0.18 0.00	20.68 -0.17 0.00	22.35 -0.09 0.00	22.28 -0.18 0.00	22.33 -0.20 0.00	22.08 -0.45 0.00	22.09 -0.52 0.00	23.43 -0.55 -0.21	26.63 -0.67 -0.44	28.23 -0.77 -0.54	29.08 -0.79 -0.60	31.83 -1.29 -0.81	38.53 -1.31 -1.24	42.49 -1.01 -1.46	37.32 -1.17 -0.90	31.10 -0.34 -0.65	29.18 0.20 -0.48	27.36 0.27 -0.36	23.24 0.21 0.00
LYONS_FALL_HYD 23570	19.06 0.39 0.00	16.64 0.20 0.00	15.66 0.17 -0.01	15.28 0.23 -0.01	16.07 0.27 0.00	17.88 0.32 0.00	21.26 0.42 0.00	22.93 0.49 0.00	22.82 0.36 0.00	22.98 0.45 0.00	22.87 0.34 0.00	22.97 0.36 0.00	24.32 0.38 -0.16	27.72 0.51 -0.34	29.46 0.57 -0.42	30.39 0.64 -0.47	33.66 0.71 -0.64	40.55 0.97 -0.98	44.58 1.39 -1.16	39.41 1.13 -0.70	32.47 1.17 -0.52	29.91 1.02 -0.39	27.91 0.88 -0.29	23.75 0.71 0.00
MADISON___COUNTY_LFGE 323628	19.25 0.58 0.00	16.81 0.36 0.00	15.79 0.29 -0.01	15.40 0.35 -0.01	16.18 0.38 0.00	18.04 0.47 0.00	21.45 0.60 0.00	23.11 0.67 0.00	23.05 0.58 0.00	23.21 0.68 0.00	23.23 0.70 0.00	23.33 0.72 0.00	24.71 0.76 -0.17	28.17 0.94 -0.36	30.00 1.08 -0.45	31.00 1.23 -0.50	34.28 1.29 -0.68	41.35 1.70 -1.04	45.28 2.02 -1.23	40.09 1.77 -0.74	32.81 1.48 -0.55	30.10 1.20 -0.41	27.98 0.94 -0.30	23.86 0.83 0.00
MALONE___115KV_TB1 356076	18.46 -0.21 0.00	16.15 -0.30 0.00	15.16 -0.33 0.00	14.74 -0.30 0.00	15.48 -0.32 0.00	17.14 -0.42 0.00	20.45 -0.40 0.00	22.30 -0.13 0.00	22.33 -0.13 0.00	22.46 -0.07 0.00	22.44 -0.09 0.00	22.52 -0.09 0.00	23.73 -0.05 0.00	26.70 -0.16 0.00	28.15 -0.31 0.00	29.00 -0.26 0.00	31.69 -0.61 0.00	37.84 -0.77 0.00	41.58 -0.46 0.00	36.60 -0.98 0.01	30.51 -0.28 0.00	28.58 0.09 0.00	27.03 0.29 0.00	23.19 0.16 0.00
MAPLEWOD_115KV_TB3 80458	19.34 0.67 0.00	17.25 0.81 0.00	16.47 0.79 -0.20	16.05 0.77 -0.24	16.59 0.79 0.00	18.35 0.79 0.00	21.85 1.00 0.00	23.43 0.99 0.00	23.47 1.01 0.00	23.41 0.88 0.00	23.41 0.88 0.00	23.52 0.90 0.00	24.77 1.00 0.00	28.02 1.16 0.00	29.83 1.37 0.00	30.76 1.49 0.00	34.09 1.78 0.00	45.18 2.32 -4.26	44.59 2.48 -0.07	39.95 2.29 -0.07	39.28 1.82 -6.68	33.53 1.65 -3.38	27.99 1.26 0.00	24.02 0.99 0.00
MAPLE_RIDGE_WT_1 323574	18.37 -0.30 0.00	16.12 -0.33 0.00	15.13 -0.36 0.00	14.70 -0.35 0.00	15.45 -0.35 0.00	16.86 -0.70 0.00	20.08 -0.77 0.00	21.77 -0.67 0.00	21.90 -0.56 0.00	22.03 -0.50 0.00	22.05 -0.47 0.00	22.16 -0.45 0.00	23.30 -0.48 0.00	26.30 -0.57 0.00	27.81 -0.65 0.00	28.54 -0.73 0.00	31.31 -1.00 0.00	37.37 -1.24 0.00	40.74 -1.30 0.00	36.27 -1.32 0.00	30.02 -0.77 0.00	27.92 -0.57 0.00	26.31 -0.43 0.00	22.66 -0.37 0.00



MAPLE_RIDGE_WT_2 323611	18.37 -0.30 0.00	16.12 -0.33 0.00	15.13 -0.36 0.00	14.70 -0.35 0.00	15.45 -0.35 0.00	16.86 -0.70 0.00	20.08 -0.77 0.00	21.77 -0.67 0.00	21.90 -0.56 0.00	22.03 -0.50 0.00	22.05 -0.47 0.00	22.16 -0.45 0.00	23.30 -0.48 0.00	26.30 -0.57 0.00	27.81 -0.65 0.00	28.54 -0.73 0.00	31.31 -1.00 0.00	37.37 -1.24 0.00	40.74 -1.30 0.00	36.27 -1.32 0.00	30.02 -0.77 0.00	27.92 -0.57 0.00	26.31 -0.43 0.00	22.66 -0.37 0.00
MARBLE_RIVER_WT_PWR 323696	18.43 -0.24 0.00	16.12 -0.33 0.00	15.14 -0.34 0.00	14.71 -0.33 0.00	15.44 -0.36 0.00	17.09 -0.47 0.00	20.45 -0.40 0.00	22.28 -0.16 0.00	22.33 -0.13 0.00	22.51 -0.02 0.00	22.55 0.02 0.00	22.66 0.05 0.00	23.87 0.10 0.00	26.89 0.03 0.00	28.41 -0.06 0.00	29.21 -0.06 0.00	32.02 -0.29 0.00	38.15 -0.46 0.00	41.87 -0.17 0.00	37.02 -0.56 0.00	30.79 0.00 0.00	28.61 0.11 0.00	27.00 0.27 0.00	23.22 0.18 0.00
MARSHVLE_115KV_TB1 80742	20.09 1.42 0.00	17.78 1.33 0.00	16.95 1.22 -0.24	16.54 1.20 -0.30	17.08 1.28 0.00	19.02 1.46 0.00	22.68 1.83 0.00	24.37 1.93 0.00	24.33 1.86 0.00	24.29 1.76 0.00	24.24 1.71 0.00	24.37 1.76 0.00	25.72 1.95 0.00	29.12 2.26 0.00	31.03 2.56 0.00	31.90 2.63 0.00	35.51 3.20 0.00	47.58 4.25 -4.72	47.16 5.04 -0.08	42.25 4.59 -0.08	41.85 3.66 -7.41	35.46 3.22 -3.75	29.30 2.57 0.00	25.15 2.12 0.00
MARSH_HILL_WT_PWR 323713	19.62 0.95 0.00	17.11 0.66 0.00	15.78 0.26 -0.03	15.40 0.32 -0.04	16.19 0.40 0.00	18.28 0.72 0.00	21.49 0.65 0.00	23.40 0.96 0.00	23.58 1.12 0.00	23.90 1.37 0.00	23.86 1.33 0.00	24.01 1.40 0.00	25.44 1.54 -0.12	29.01 1.88 -0.26	30.95 2.16 -0.32	31.88 2.25 -0.36	35.80 3.01 -0.49	42.94 3.20 -1.13	46.83 3.91 -0.88	41.99 3.87 -0.53	34.29 2.49 -1.01	30.81 1.71 -0.60	28.53 1.58 -0.22	24.67 1.64 0.00
MCINTYRE_115KV_TB2 80467	18.39 -0.28 0.00	16.08 -0.36 0.00	15.13 -0.36 0.00	14.77 -0.27 0.00	15.51 -0.28 0.00	17.16 -0.40 0.00	20.37 -0.48 0.00	22.10 -0.34 0.00	21.99 -0.47 0.00	22.10 -0.43 0.00	21.94 -0.59 0.00	21.98 -0.63 0.00	23.23 -0.64 -0.10	26.27 -0.81 -0.21	27.70 -1.02 -0.26	28.44 -1.11 -0.29	30.70 -2.00 -0.39	36.89 -2.32 -0.59	40.64 -2.10 -0.70	35.67 -2.33 -0.41	29.92 -1.17 -0.30	28.43 -0.28 -0.22	26.88 -0.03 -0.17	22.96 -0.07 0.00
MECO____69_KV_BK1 80468	20.69 2.02 0.00	18.03 1.58 0.00	17.15 1.44 -0.23	16.74 1.41 -0.28	17.30 1.50 0.00	19.27 1.70 0.00	23.04 2.19 0.00	24.71 2.27 0.00	24.66 2.20 0.00	24.51 1.98 0.00	24.40 1.87 0.00	24.58 1.97 0.00	26.06 2.28 0.00	29.55 2.69 0.00	31.48 3.02 0.00	32.55 3.28 0.00	36.41 4.10 0.00	49.15 5.52 -5.02	48.72 6.60 -0.09	43.65 5.98 -0.09	43.44 4.77 -7.88	36.56 4.07 -3.99	29.92 3.18 0.00	25.61 2.58 0.00
MENANDS__115KV_TB5 355628	19.06 0.39 0.00	17.06 0.61 0.00	16.30 0.62 -0.20	15.89 0.60 -0.24	16.41 0.62 0.00	18.14 0.58 0.00	21.58 0.73 0.00	23.11 0.67 0.00	23.16 0.70 0.00	23.12 0.59 0.00	23.11 0.59 0.00	23.22 0.61 0.00	24.44 0.67 0.00	27.64 0.78 0.00	29.43 0.97 0.00	30.32 1.05 0.00	33.60 1.29 0.00	44.30 1.66 -4.03	43.79 1.68 -0.07	39.20 1.54 -0.07	38.34 1.23 -6.32	32.83 1.14 -3.20	27.57 0.83 0.00	23.65 0.62 0.00
MG INDUSTRY__DRP 24185	19.14 0.47 0.00	17.06 0.61 0.00	16.30 0.62 -0.19	15.88 0.60 -0.23	16.41 0.62 0.00	18.14 0.58 0.00	21.56 0.71 0.00	23.09 0.65 0.00	23.14 0.67 0.00	23.09 0.56 0.00	23.09 0.56 0.00	23.18 0.57 0.00	24.41 0.64 0.00	27.62 0.75 0.00	29.38 0.91 0.00	30.29 1.02 0.00	33.54 1.23 0.00	43.35 1.58 -3.16	43.82 1.72 -0.05	39.26 1.62 -0.05	37.03 1.29 -4.95	32.17 1.17 -2.51	27.62 0.88 0.00	23.75 0.71 0.00
MID__OSWEGATCHIE_HYD 23849	18.56 -0.11 0.00	16.25 -0.20 0.00	15.27 -0.22 0.00	14.90 -0.15 -0.01	15.67 -0.13 0.00	17.39 -0.18 0.00	20.68 -0.17 0.00	22.35 -0.09 0.00	22.28 -0.18 0.00	22.33 -0.20 0.00	22.08 -0.45 0.00	22.09 -0.52 0.00	23.43 -0.55 -0.21	26.63 -0.67 -0.44	28.23 -0.77 -0.54	29.08 -0.79 -0.60	31.83 -1.29 -0.81	38.53 -1.31 -1.24	42.49 -1.01 -1.46	37.32 -1.17 -0.90	31.10 -0.34 -0.65	29.18 0.20 -0.48	27.36 0.27 -0.36	23.24 0.21 0.00
MID__RAQUETTE_HYD 23851	18.15 -0.52 0.00	15.94 -0.51 0.00	14.99 -0.50 0.00	14.59 -0.45 0.00	15.34 -0.46 0.00	16.96 -0.60 0.00	20.16 -0.69 0.00	21.86 -0.58 0.00	21.88 -0.58 0.00	21.85 -0.68 0.00	21.54 -0.99 0.00	21.50 -1.11 0.00	22.75 -1.14 -0.12	25.70 -1.42 -0.26	27.10 -1.68 -0.31	27.86 -1.76 -0.35	30.13 -2.65 -0.47	36.28 -3.05 -0.72	39.91 -2.98 -0.85	34.97 -3.12 -0.50	29.46 -1.69 -0.37	28.14 -0.63 -0.28	26.65 -0.29 -0.20	22.73 -0.30 0.00
MILLIKEN__1 23584	19.27 0.60 0.00	16.87 0.43 0.00	15.84 0.33 -0.03	15.43 0.35 -0.04	16.21 0.41 0.00	18.12 0.56 0.00	21.51 0.67 0.00	23.22 0.79 0.00	23.23 0.76 0.00	23.34 0.81 0.00	23.34 0.81 0.00	23.43 0.81 0.00	25.01 0.86 -0.38	28.66 0.99 -0.80	30.65 1.20 -0.99	31.69 1.32 -1.10	35.42 1.62 -1.50	43.20 1.93 -2.66	47.01 2.27 -2.70	41.39 2.18 -1.62	34.25 1.66 -1.81	30.95 1.25 -1.20	28.42 1.02 -0.67	24.05 1.01 0.00
MILLIKEN__2 23585	19.27 0.60 0.00	16.87 0.43 0.00	15.84 0.33 -0.03	15.43 0.35 -0.04	16.21 0.41 0.00	18.12 0.56 0.00	21.51 0.67 0.00	23.22 0.79 0.00	23.23 0.76 0.00	23.34 0.81 0.00	23.34 0.81 0.00	23.43 0.81 0.00	25.01 0.86 -0.38	28.66 0.99 -0.80	30.65 1.20 -0.99	31.69 1.32 -1.10	35.42 1.62 -1.50	43.20 1.93 -2.66	47.01 2.27 -2.70	41.39 2.18 -1.62	34.25 1.66 -1.81	30.95 1.25 -1.20	28.42 1.02 -0.67	24.05 1.01 0.00
MILLIKEN__DIESEL 23629	19.27 0.60 0.00	16.87 0.43 0.00	15.84 0.33 -0.03	15.43 0.35 -0.04	16.21 0.41 0.00	18.12 0.56 0.00	21.51 0.67 0.00	23.22 0.79 0.00	23.23 0.76 0.00	23.34 0.81 0.00	23.34 0.81 0.00	23.43 0.81 0.00	25.01 0.86 -0.38	28.66 0.99 -0.80	30.65 1.20 -0.99	31.69 1.32 -1.10	35.42 1.62 -1.50	43.20 1.93 -2.66	47.01 2.27 -2.70	41.39 2.18 -1.62	34.25 1.66 -1.81	30.95 1.25 -1.20	28.42 1.02 -0.67	24.05 1.01 0.00
MILLSEAT__LFGE 323607	19.12 0.45 0.00	16.76 0.31 0.00	15.48 -0.03 -0.02	14.91 -0.17 -0.03	15.69 -0.11 0.00	17.83 0.26 0.00	20.51 -0.33 0.00	22.33 -0.11 0.00	22.60 0.14 0.00	22.89 0.36 0.00	23.02 0.50 0.00	23.22 0.61 0.00	24.53 0.76 0.00	27.83 0.97 0.00	29.69 1.22 0.00	30.53 1.26 0.00	34.31 2.00 0.00	40.85 1.97 -0.28	44.86 2.82 0.00	40.60 3.01 0.00	32.76 1.54 -0.43	29.40 0.68 -0.22	27.38 0.64 0.00	24.16 1.13 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	19.57 0.90 0.00	17.50 1.05 0.00	16.67 1.04 -0.15	16.22 0.99 -0.19	16.81 1.01 0.00	18.65 1.09 0.00	22.26 1.42 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.06 1.53 0.00	24.06 1.53 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.56 1.69 0.00	30.52 2.05 0.00	31.43 2.17 0.00	34.73 2.42 0.00	43.62 3.20 -1.81	45.18 3.11 -0.03	40.29 2.67 -0.03	35.81 2.19 -2.83	31.98 2.05 -1.43	28.45 1.71 0.00	24.25 1.22 0.00



MILLWOOD_13_KV_LOAD 356217	19.58 0.91 0.00	17.53 1.09 0.00	16.70 1.07 -0.15	16.27 1.04 -0.19	16.84 1.04 0.00	18.67 1.11 0.00	22.31 1.46 0.00	24.01 1.57 0.00	24.08 1.62 0.00	24.08 1.55 0.00	24.08 1.55 0.00	24.10 1.49 0.00	25.29 1.52 0.00	28.61 1.75 0.00	30.57 2.11 0.00	31.52 2.25 0.00	34.83 2.52 0.00	43.74 3.32 -1.81	45.31 3.24 -0.03	40.40 2.78 -0.03	35.87 2.25 -2.83	32.04 2.11 -1.43	28.50 1.76 0.00	24.30 1.27 0.00
MODEL_CITY_ENERGY 24167	18.73 0.06 0.00	16.45 0.00 0.00	15.18 -0.33 -0.03	14.61 -0.47 -0.03	15.36 -0.44 0.00	17.46 -0.10 0.00	20.08 -0.77 0.00	21.79 -0.65 0.00	22.08 -0.38 0.00	22.40 -0.13 0.00	22.51 -0.02 0.00	22.70 0.09 0.00	23.99 0.21 0.00	27.16 0.30 0.00	29.01 0.54 0.00	29.82 0.55 0.00	33.44 1.13 0.00	39.78 0.89 -0.28	43.56 1.51 0.00	39.40 1.80 0.00	31.88 0.65 -0.44	28.63 -0.09 -0.22	26.68 -0.05 0.00	23.58 0.55 0.00
MODERN_LFGE_ 323580	18.73 0.06 0.00	16.45 0.00 0.00	15.18 -0.33 -0.03	14.61 -0.47 -0.03	15.36 -0.44 0.00	17.46 -0.10 0.00	20.08 -0.77 0.00	21.79 -0.65 0.00	22.08 -0.38 0.00	22.40 -0.13 0.00	22.51 -0.02 0.00	22.70 0.09 0.00	23.99 0.21 0.00	27.16 0.30 0.00	29.01 0.54 0.00	29.82 0.55 0.00	33.44 1.13 0.00	39.78 0.89 -0.28	43.56 1.51 0.00	39.40 1.80 0.00	31.88 0.65 -0.44	28.63 -0.09 -0.22	26.68 -0.05 0.00	23.58 0.55 0.00
MOHAWK_PAPER___DRP 24187	19.34 0.67 0.00	17.25 0.81 0.00	16.47 0.79 -0.20	16.05 0.77 -0.24	16.59 0.79 0.00	18.35 0.79 0.00	21.85 1.00 0.00	23.43 0.99 0.00	23.47 1.01 0.00	23.41 0.88 0.00	23.41 0.88 0.00	23.52 0.90 0.00	24.77 1.00 0.00	28.02 1.16 0.00	29.83 1.37 0.00	30.76 1.49 0.00	34.09 1.78 0.00	45.18 2.32 -4.26	44.59 2.48 -0.07	39.95 2.29 -0.07	39.28 1.82 -6.68	33.53 1.65 -3.38	27.99 1.26 0.00	24.02 0.99 0.00
MOHICAN__35_KV_115KV_LD 80490	19.94 1.27 0.00	17.73 1.28 0.00	16.91 1.22 -0.20	16.48 1.19 -0.25	17.03 1.23 0.00	18.91 1.35 0.00	22.56 1.71 0.00	24.21 1.77 0.00	24.28 1.82 0.00	24.20 1.67 0.00	24.13 1.60 0.00	24.22 1.61 0.00	25.60 1.83 0.00	28.50 1.64 0.00	30.20 1.74 0.00	31.02 1.76 0.00	34.54 2.23 0.00	47.29 3.36 -5.32	45.95 3.83 -0.09	41.13 3.46 -0.09	41.90 2.77 -8.34	35.11 2.39 -4.22	28.58 1.84 0.00	24.94 1.91 0.00
MONGAUP___HYD 23641	19.51 0.84 0.00	17.37 0.92 0.00	16.52 0.90 -0.14	16.09 0.87 -0.17	16.68 0.88 0.00	18.53 0.97 0.00	22.12 1.27 0.00	23.83 1.39 0.00	23.81 1.35 0.00	23.77 1.24 0.00	23.77 1.24 0.00	23.76 1.15 0.00	24.91 1.14 0.00	28.10 1.24 0.00	29.92 1.45 0.00	30.99 1.73 0.00	34.02 1.71 0.00	42.27 2.01 -1.65	43.91 1.85 -0.03	39.31 1.69 -0.03	34.98 1.60 -2.60	31.57 1.77 -1.31	28.23 1.50 0.00	24.25 1.22 0.00
MONTAUK___DIESEL 23721	19.92 1.25 0.00	18.01 1.56 0.00	17.08 1.44 -0.15	16.59 1.35 -0.19	17.11 1.31 0.00	19.11 1.55 0.00	23.04 2.19 0.00	24.86 2.42 0.00	24.82 2.36 0.00	24.53 2.01 0.00	24.56 2.03 0.00	24.60 1.99 0.00	25.60 1.83 0.00	28.79 1.93 0.01	31.26 2.79 0.00	32.43 3.16 0.00	36.09 3.78 0.00	45.18 4.75 -1.82	46.56 4.50 -0.02	41.48 3.87 -0.02	37.42 3.79 -2.85	32.93 2.99 -1.44	29.60 2.86 0.00	26.34 2.40 -0.91
MOONROAD_115KV_HARTFLD_TB1-2 355988	19.68 1.01 0.00	17.10 0.66 0.00	15.64 0.12 -0.03	15.08 0.00 -0.04	16.02 0.22 0.00	18.18 0.61 0.00	21.28 0.44 0.00	23.70 1.26 0.00	24.10 1.64 0.00	24.67 2.14 0.00	24.83 2.30 0.00	25.08 2.46 0.00	26.22 2.45 0.00	29.58 2.71 0.00	31.51 3.05 0.00	32.75 3.48 0.00	36.67 4.36 0.00	43.70 4.75 -0.34	47.30 5.25 -0.01	43.08 5.49 -0.01	34.83 3.51 -0.53	31.16 2.39 -0.27	28.77 2.03 0.00	25.52 2.49 0.00
MORTIMER_115KV_TB3 55949	18.97 0.30 0.00	16.63 0.18 0.00	15.57 0.06 -0.02	15.02 -0.05 -0.02	15.78 -0.02 0.00	17.77 0.21 0.00	20.76 -0.08 0.00	22.62 0.18 0.00	22.69 0.22 0.00	22.91 0.38 0.00	22.98 0.45 0.00	23.20 0.59 0.00	24.53 0.76 0.00	27.67 0.81 0.00	29.41 0.94 0.00	30.35 1.08 0.00	33.86 1.55 0.00	40.37 1.54 -0.22	44.10 2.06 0.00	39.73 2.14 0.00	32.45 1.32 -0.34	29.32 0.66 -0.17	27.38 0.64 0.00	23.84 0.81 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	19.64 0.97 0.00	17.56 1.12 0.00	16.75 1.11 -0.15	16.30 1.07 -0.19	16.89 1.09 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.10 1.66 0.00	24.19 1.73 0.00	24.20 1.67 0.00	24.17 1.64 0.00	24.17 1.56 0.00	25.37 1.59 0.00	28.72 1.85 0.00	30.66 2.19 0.00	31.55 2.28 0.00	34.83 2.52 0.00	43.82 3.40 -1.82	45.43 3.36 -0.03	40.40 2.78 -0.03	35.92 2.28 -2.85	32.10 2.17 -1.44	28.58 1.84 0.00	24.35 1.31 0.00
MUNSVILLE_WIND_PWR 323609	20.39 1.72 0.00	17.65 1.20 0.00	16.54 1.01 -0.05	16.30 1.19 -0.07	17.13 1.33 0.00	19.16 1.60 0.00	22.87 2.02 0.00	24.79 2.36 0.00	24.57 2.11 0.00	24.85 2.32 0.00	24.85 2.32 0.00	24.98 2.37 0.00	26.57 2.54 -0.25	30.46 3.06 -0.53	32.65 3.53 -0.65	33.72 3.72 -0.73	37.69 4.39 -0.99	46.17 5.40 -2.15	50.18 6.35 -1.79	44.20 5.53 -1.08	37.16 4.56 -1.81	33.39 3.79 -1.11	30.47 3.29 -0.44	25.87 2.83 0.00
N SALMON___HYD 24042	18.46 -0.20 0.00	16.15 -0.30 0.00	15.16 -0.33 0.00	14.74 -0.30 0.00	15.48 -0.32 0.00	17.14 -0.42 0.00	20.45 -0.40 0.00	22.30 -0.13 0.00	22.33 -0.13 0.00	22.46 -0.07 0.00	22.44 -0.09 0.00	22.52 -0.09 0.00	23.73 -0.05 0.00	26.70 -0.16 0.00	28.21 -0.26 0.00	29.00 -0.26 0.00	31.73 -0.58 0.00	37.84 -0.77 0.00	41.58 -0.46 0.00	36.64 -0.94 0.01	30.63 -0.15 0.00	28.61 0.11 0.00	27.03 0.29 0.00	23.22 0.18 0.00
N.AKRON__115KV_KNAPP 355671	19.14 0.47 0.00	16.76 0.31 0.00	15.48 -0.03 -0.02	14.89 -0.18 -0.03	15.73 -0.06 0.00	17.81 0.25 0.00	20.51 -0.33 0.00	22.46 0.02 0.00	22.62 0.16 0.00	22.91 0.38 0.00	23.05 0.52 0.00	23.24 0.63 0.00	24.53 0.76 0.00	27.64 0.78 0.00	29.43 0.97 0.00	30.53 1.26 0.00	34.15 1.84 0.00	40.62 1.74 -0.28	44.36 2.31 0.00	40.33 2.74 0.00	32.73 1.51 -0.43	29.31 0.60 -0.22	27.33 0.59 0.00	24.14 1.11 0.00
N.BELMOR_69_KV_BK1 55787	19.57 0.90 0.00	17.55 1.10 0.00	16.66 1.02 -0.15	16.19 0.96 -0.19	16.76 0.96 0.00	18.67 1.11 0.00	22.41 1.56 0.00	24.17 1.73 0.00	24.17 1.71 0.00	24.06 1.53 0.00	24.17 1.64 0.00	24.22 1.61 0.00	25.25 1.47 0.00	28.36 1.50 0.01	30.52 2.05 0.00	31.49 2.22 0.00	34.86 2.55 0.00	43.75 3.32 -1.82	45.09 3.03 -0.02	40.17 2.56 -0.02	36.10 2.46 -2.85	31.96 2.02 -1.44	28.69 1.95 0.00	25.70 1.75 -0.91
N.E._GEN_SANDY PD 24062	19.34 0.67 0.00	17.33 0.89 0.00	16.70 0.90 -0.32	16.13 0.87 -0.22	17.10 0.88 -0.42	18.49 0.93 0.00	21.99 1.15 0.00	23.63 1.19 0.00	23.61 1.14 0.00	23.54 1.01 0.00	23.63 1.10 0.00	23.67 1.06 0.00	24.82 1.04 0.00	28.05 1.18 0.00	29.78 1.31 0.00	30.76 1.49 0.00	33.92 1.61 0.00	43.39 2.24 -2.54	44.27 2.18 -0.04	39.62 1.99 -0.04	36.38 1.60 -3.99	32.02 1.51 -2.02	27.94 1.20 0.00	24.00 0.97 0.00



N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	19.57 0.90 0.00	17.48 1.04 0.00	16.64 1.01 -0.15	16.20 0.98 -0.18	16.79 1.00 0.00	18.63 1.07 0.00	22.24 1.40 0.00	23.96 1.53 0.00	24.06 1.59 0.00	24.06 1.53 0.00	24.08 1.55 0.00	24.08 1.47 0.00	25.27 1.50 0.00	28.56 1.69 0.00	30.52 2.05 0.00	31.43 2.17 0.00	34.73 2.42 0.00	43.60 3.24 -1.75	45.18 3.11 -0.03	40.28 2.67 -0.03	35.69 2.15 -2.75	31.94 2.05 -1.39	28.42 1.68 0.00	24.25 1.22 0.00
N.QUEENS_27_KV_LOAD 356247	19.73 1.06 0.00	17.63 1.18 0.00	16.88 1.24 -0.15	16.42 1.19 -0.19	17.00 1.20 0.00	18.65 1.09 0.00	22.18 1.33 0.00	23.92 1.48 0.00	24.06 1.59 0.00	24.11 1.58 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.58 1.72 0.00	30.52 2.05 0.00	31.40 2.14 0.00	34.60 2.29 0.00	43.63 3.20 -1.82	45.26 3.19 -0.03	40.10 2.48 -0.03	35.67 2.03 -2.85	31.90 1.97 -1.44	28.39 1.66 0.00	24.28 1.24 0.00
N.TROY___115KV_TB1 355778	19.36 0.69 0.00	17.29 0.84 0.00	16.52 0.84 -0.20	16.10 0.81 -0.24	16.64 0.84 0.00	18.44 0.88 0.00	21.93 1.08 0.00	23.52 1.08 0.00	23.54 1.08 0.00	23.48 0.95 0.00	23.47 0.95 0.00	23.56 0.95 0.00	24.80 1.02 0.00	27.99 1.13 0.00	29.78 1.31 0.00	30.67 1.40 0.00	33.99 1.68 0.00	45.56 2.20 -4.75	44.47 2.35 -0.08	39.81 2.14 -0.08	39.96 1.72 -7.45	33.83 1.57 -3.77	27.97 1.23 0.00	24.05 1.01 0.00
NARROWS_GT1_1 24228	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
NARROWS_GT1_2 24229	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
NARROWS_GT1_3 24230	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
NARROWS_GT1_4 24231	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
NARROWS_GT1_5 24232	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
NARROWS_GT1_6 24233	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
NARROWS_GT1_7 24234	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
NARROWS_GT1_8 24235	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
NARROWS_GT2_1 24236	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
NARROWS_GT2_2 24237	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
NARROWS_GT2_3 24238	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
NARROWS_GT2_4 24239	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00



NARROWS_GT2_5 24240	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
NARROWS_GT2_6 24241	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
NARROWS_GT2_7 24242	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
NARROWS_GT2_8 24243	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	19.23 0.56 0.00	17.19 0.74 0.00	16.27 0.60 -0.18	15.85 0.59 -0.22	16.52 0.73 0.00	18.26 0.70 0.00	21.74 0.90 0.00	23.29 0.85 0.00	23.32 0.85 0.00	23.21 0.68 0.00	23.20 0.68 0.00	23.29 0.68 0.00	24.46 0.69 0.00	27.67 0.81 0.00	29.49 1.02 0.00	30.53 1.26 0.00	33.99 1.68 0.00	43.68 2.08 -2.99	44.44 2.35 -0.05	39.89 2.26 -0.05	37.17 1.69 -4.69	32.43 1.57 -2.37	27.94 1.20 0.00	24.07 1.04 0.00
NCHELSEA_115KV_TR2 355582	19.62 0.95 0.00	17.53 1.09 0.00	16.71 1.07 -0.15	16.25 1.02 -0.19	16.86 1.06 0.00	18.70 1.14 0.00	22.33 1.48 0.00	24.03 1.59 0.00	24.21 1.75 0.00	24.24 1.71 0.00	24.29 1.76 0.00	24.26 1.65 0.00	25.44 1.66 0.00	28.72 1.85 0.00	30.72 2.25 0.00	31.70 2.43 0.00	34.93 2.62 0.00	43.92 3.47 -1.83	45.39 3.32 -0.03	40.51 2.89 -0.03	36.03 2.37 -2.87	32.20 2.25 -1.45	28.58 1.84 0.00	24.44 1.40 0.00
NEG CAPITAL___MECHNVIL 23645	19.70 1.03 0.00	17.53 1.09 0.00	16.72 1.04 -0.20	16.30 1.01 -0.25	16.84 1.04 0.00	18.69 1.12 0.00	22.24 1.40 0.00	23.90 1.46 0.00	23.94 1.48 0.00	23.86 1.33 0.00	23.88 1.35 0.00	23.97 1.36 0.00	25.27 1.50 0.00	28.48 1.61 0.00	30.20 1.74 0.00	31.20 1.93 0.00	34.57 2.26 0.00	46.85 3.09 -5.15	45.53 3.40 -0.09	40.79 3.12 -0.09	41.33 2.46 -8.09	34.78 2.19 -4.09	28.61 1.87 0.00	24.55 1.52 0.00
NEG CENTRAL_HIGH_ACRES 23767	18.67 0.00 0.00	16.33 -0.11 0.00	15.32 -0.19 -0.02	14.80 -0.27 -0.02	15.56 -0.24 0.00	17.49 -0.07 0.00	20.58 -0.27 0.00	22.30 -0.13 0.00	22.42 -0.04 0.00	22.62 0.09 0.00	22.73 0.20 0.00	22.90 0.29 0.00	24.29 0.38 -0.14	27.64 0.48 -0.29	29.48 0.66 -0.36	30.35 0.67 -0.40	33.99 1.13 -0.55	40.69 1.04 -1.04	44.50 1.47 -0.99	39.65 1.46 -0.60	32.33 0.77 -0.77	29.25 0.26 -0.50	27.20 0.21 -0.25	23.45 0.42 0.00
NEG CENTRAL___DRP 24199	19.06 0.39 0.00	16.68 0.23 0.00	15.61 0.11 -0.02	15.18 0.11 -0.03	15.97 0.17 0.00	17.90 0.33 0.00	21.18 0.33 0.00	22.93 0.49 0.00	22.96 0.49 0.00	23.12 0.59 0.00	23.14 0.61 0.00	23.24 0.63 0.00	24.80 0.67 -0.36	28.38 0.75 -0.76	30.32 0.91 -0.94	31.38 1.05 -1.06	35.06 1.32 -1.43	42.48 1.47 -2.41	46.42 1.81 -2.58	40.94 1.80 -1.55	33.57 1.26 -1.52	30.37 0.83 -1.04	28.05 0.67 -0.64	23.77 0.74 0.00
NEG CENTRAL___INDECK 23768	19.70 1.03 0.00	17.22 0.77 0.00	16.01 0.50 -0.03	15.50 0.42 -0.03	16.32 0.52 0.00	18.44 0.88 0.00	21.58 0.73 0.00	23.45 1.01 0.00	23.50 1.03 0.00	23.77 1.24 0.00	23.77 1.24 0.00	23.92 1.31 0.00	25.08 1.31 0.00	28.37 1.50 0.00	30.29 1.82 0.00	30.41 1.14 0.00	34.21 1.91 0.00	41.13 2.20 -0.32	45.20 3.15 -0.01	40.94 3.34 -0.01	33.44 2.15 -0.50	30.09 1.34 -0.25	28.64 1.90 0.00	24.97 1.94 0.00
NEG CENTRAL___SENECA 23627	19.23 0.56 0.00	16.78 0.33 0.00	15.68 0.17 -0.02	15.22 0.15 -0.03	16.03 0.24 0.00	18.02 0.46 0.00	21.28 0.44 0.00	23.11 0.67 0.00	23.14 0.67 0.00	23.32 0.79 0.00	23.36 0.83 0.00	23.49 0.88 0.00	24.91 0.95 -0.19	28.33 1.07 -0.39	30.20 1.25 -0.48	31.25 1.43 -0.54	34.82 1.78 -0.74	41.92 1.93 -1.38	45.76 2.40 -1.33	40.79 2.41 -0.80	33.42 1.63 -1.01	30.28 1.14 -0.65	28.00 0.94 -0.33	24.07 1.04 0.00
NEG CENTRAL___STATE_STREET 24147	18.95 0.28 0.00	16.74 0.30 0.00	15.72 0.22 -0.02	15.30 0.23 -0.03	16.07 0.27 0.00	17.98 0.42 0.00	21.33 0.48 0.00	23.04 0.61 0.00	23.05 0.58 0.00	23.18 0.65 0.00	23.20 0.68 0.00	23.31 0.70 0.00	25.03 0.74 -0.52	28.84 0.89 -1.09	30.83 1.02 -1.34	31.91 1.14 -1.50	35.77 1.42 -2.04	43.52 1.58 -3.33	47.56 1.85 -3.67	41.56 1.77 -2.21	34.11 1.32 -2.00	30.84 0.94 -1.41	28.42 0.78 -0.91	23.82 0.78 0.00
NEG MILLWOOD___DRP 24198	19.64 0.97 0.00	17.61 1.17 0.00	16.78 1.15 -0.15	16.33 1.10 -0.19	16.90 1.11 0.00	18.72 1.16 0.00	22.41 1.56 0.00	24.10 1.66 0.00	24.19 1.73 0.00	24.24 1.71 0.00	24.24 1.71 0.00	24.22 1.61 0.00	25.44 1.66 0.00	28.75 1.88 0.00	30.80 2.33 0.00	31.79 2.52 0.00	35.09 2.78 0.00	44.04 3.59 -1.84	45.56 3.49 -0.03	40.66 3.04 -0.03	36.17 2.49 -2.89	32.27 2.31 -1.46	28.64 1.90 0.00	24.44 1.40 0.00
NEG NORTH_FLCN_SEA 23793	18.61 -0.06 0.00	16.30 -0.15 0.00	15.30 -0.19 0.00	14.86 -0.18 0.00	15.61 -0.19 0.00	17.28 -0.28 0.00	20.66 -0.19 0.00	22.53 0.09 0.00	22.57 0.11 0.00	22.76 0.23 0.00	22.82 0.29 0.00	22.93 0.32 0.00	24.15 0.38 0.00	27.24 0.38 0.00	28.72 0.26 0.00	29.59 0.32 0.00	32.47 0.16 0.00	38.69 0.08 0.00	42.50 0.46 0.00	37.51 -0.08 0.00	31.12 0.34 0.00	28.95 0.46 0.00	27.33 0.59 0.00	23.47 0.44 0.00
NEG NORTH_KES_CHATEGAY 23792	18.41 -0.26 0.00	16.10 -0.35 0.00	15.11 -0.37 0.00	14.68 -0.36 0.00	15.40 -0.39 0.00	17.05 -0.51 0.00	20.41 -0.44 0.00	22.21 -0.22 0.00	22.24 -0.22 0.00	22.42 -0.11 0.00	22.46 -0.07 0.00	22.57 -0.05 0.00	23.75 -0.02 0.00	26.78 -0.08 0.00	28.24 -0.23 0.00	29.06 -0.20 0.00	31.89 -0.42 0.00	38.03 -0.58 0.00	41.74 -0.29 0.00	36.87 -0.71 0.00	30.63 -0.15 0.00	28.52 0.03 0.00	26.98 0.24 0.00	23.15 0.12 0.00



NEG NORTH___ALICE_FALLS 23915	18.63 -0.04 0.00	16.30 -0.15 0.00	15.30 -0.19 0.00	14.86 -0.18 0.00	15.61 -0.19 0.00	17.28 -0.28 0.00	20.66 -0.19 0.00	22.55 0.11 0.00	22.57 0.11 0.00	22.76 0.23 0.00	22.82 0.29 0.00	22.93 0.32 0.00	24.15 0.38 0.00	27.24 0.38 0.00	28.75 0.28 0.00	29.62 0.35 0.00	32.53 0.23 0.00	38.80 0.19 0.00	42.67 0.63 0.00	37.58 0.00 0.00	31.19 0.40 0.00	28.98 0.48 0.00	27.35 0.61 0.00	23.47 0.44 0.00
NEG NORTH___LWR_SARANAC 23913	18.63 -0.04 0.00	16.30 -0.15 0.00	15.30 -0.19 0.00	14.86 -0.18 0.00	15.61 -0.19 0.00	17.28 -0.28 0.00	20.66 -0.19 0.00	22.55 0.11 0.00	22.57 0.11 0.00	22.76 0.23 0.00	22.82 0.29 0.00	22.93 0.32 0.00	24.15 0.38 0.00	27.24 0.38 0.00	28.75 0.28 0.00	29.62 0.35 0.00	32.53 0.23 0.00	38.80 0.19 0.00	42.67 0.63 0.00	37.58 0.00 0.00	31.19 0.40 0.00	28.98 0.48 0.00	27.35 0.61 0.00	23.47 0.44 0.00
NEG NORTH___PLATTSBURG 23628	18.63 -0.04 0.00	16.30 -0.15 0.00	15.30 -0.19 0.00	14.87 -0.18 0.00	15.61 -0.19 0.00	17.28 -0.28 0.00	20.66 -0.19 0.00	22.55 0.11 0.00	22.57 0.11 0.00	22.76 0.23 0.00	22.82 0.29 0.00	22.93 0.32 0.00	24.15 0.38 0.00	27.24 0.38 0.00	28.78 0.31 0.00	29.62 0.35 0.00	32.57 0.26 0.00	38.80 0.19 0.00	42.67 0.63 0.00	37.62 0.04 0.00	31.28 0.49 0.00	29.01 0.51 0.00	27.35 0.62 0.00	23.49 0.46 0.00
NEG WEST_LEA_LOCKPORT 23791	18.95 0.28 0.00	16.61 0.16 0.00	15.34 -0.17 -0.03	14.76 -0.32 -0.03	15.59 -0.21 0.00	17.63 0.07 0.00	20.30 -0.54 0.00	22.19 -0.25 0.00	22.35 -0.11 0.00	22.69 0.16 0.00	22.80 0.27 0.00	23.02 0.41 0.00	24.30 0.52 0.00	27.32 0.46 0.00	29.12 0.65 0.00	30.20 0.94 0.00	33.73 1.42 0.00	40.09 1.20 -0.28	43.73 1.68 0.00	39.77 2.18 0.00	32.30 1.08 -0.44	28.94 0.23 -0.22	26.98 0.24 0.00	23.89 0.85 0.00
NEG WEST___LANCASTR 23811	19.27 0.60 0.00	16.84 0.39 0.00	15.34 -0.17 -0.03	14.84 -0.24 -0.04	15.85 0.05 0.00	17.88 0.32 0.00	20.81 -0.04 0.00	22.69 0.25 0.00	22.87 0.40 0.00	23.23 0.70 0.00	23.32 0.79 0.00	23.54 0.93 0.00	24.30 0.52 0.00	27.40 0.54 0.00	29.18 0.71 0.00	30.32 1.05 0.00	33.86 1.55 0.00	40.37 1.43 -0.33	43.77 1.72 -0.01	39.77 2.18 -0.01	32.39 1.08 -0.52	29.04 0.28 -0.27	26.92 0.19 0.00	24.39 1.36 0.00
NEG_PENN_ALLEGHNY 23528	19.25 0.58 0.00	16.91 0.46 0.00	15.85 0.31 -0.05	15.44 0.33 -0.06	16.18 0.38 0.00	18.09 0.53 0.00	21.41 0.56 0.00	23.14 0.70 0.00	23.20 0.74 0.00	23.34 0.81 0.00	23.30 0.77 0.00	23.40 0.79 0.00	24.88 0.88 -0.23	28.39 1.05 -0.48	30.28 1.22 -0.59	31.28 1.35 -0.66	34.95 1.74 -0.90	42.50 1.89 -2.00	45.85 2.18 -1.62	40.67 2.10 -0.98	33.96 1.45 -1.73	30.62 1.08 -1.05	28.05 0.91 -0.40	23.91 0.88 0.00
NEG___GEN_MONROE 24207	19.23 0.56 0.00	16.79 0.35 0.00	15.72 0.22 -0.02	15.19 0.12 -0.02	15.96 0.16 0.00	17.97 0.40 0.00	20.99 0.15 0.00	22.84 0.40 0.00	22.84 0.38 0.00	23.03 0.50 0.00	23.05 0.52 0.00	23.29 0.68 0.00	24.65 0.88 0.00	27.78 0.91 0.00	29.52 1.05 0.00	30.44 1.17 0.00	33.76 1.45 0.00	40.60 1.78 -0.22	44.40 2.35 0.00	40.07 2.48 0.00	32.72 1.60 -0.34	29.58 0.91 -0.17	27.65 0.91 0.00	24.12 1.08 0.00
NEPA___ENERGY 23901	19.60 0.93 0.00	17.15 0.71 0.00	15.78 0.26 -0.03	15.23 0.15 -0.04	16.15 0.35 0.00	18.23 0.67 0.00	21.28 0.44 0.00	23.27 0.83 0.00	23.50 1.03 0.00	23.86 1.33 0.00	23.95 1.42 0.00	24.17 1.56 0.00	25.29 1.52 0.00	28.48 1.61 0.00	30.35 1.88 0.00	31.49 2.22 0.00	35.18 2.88 0.00	41.92 2.97 -0.34	45.45 3.41 -0.01	41.24 3.65 -0.01	33.60 2.28 -0.54	30.16 1.40 -0.27	27.97 1.23 0.00	24.85 1.82 0.00
NEVERSINK___HYD 23608	21.11 2.45 0.00	18.21 1.76 0.00	17.36 1.73 -0.14	16.88 1.67 -0.17	17.52 1.72 0.00	19.46 1.90 0.00	23.33 2.48 0.00	25.29 2.85 0.00	25.56 3.10 0.00	25.86 3.33 0.00	26.00 3.47 0.00	25.73 3.12 0.00	26.86 3.09 0.00	30.14 3.28 0.00	32.17 3.70 0.00	33.54 4.27 0.00	37.22 4.91 0.00	47.11 6.75 -1.75	47.74 5.67 -0.03	42.80 5.19 -0.03	37.68 4.15 -2.74	34.04 4.16 -1.39	30.13 3.40 0.00	26.16 3.13 0.00
NEWKRMKL_115KV_TB1 55635	18.97 0.30 0.00	16.96 0.51 0.00	16.22 0.54 -0.20	15.80 0.51 -0.24	16.32 0.52 0.00	18.04 0.47 0.00	21.43 0.58 0.00	22.98 0.54 0.00	23.02 0.56 0.00	22.98 0.45 0.00	23.00 0.47 0.00	23.09 0.47 0.00	24.32 0.55 0.00	27.51 0.64 0.00	29.29 0.83 0.00	30.20 0.94 0.00	33.44 1.13 0.00	44.03 1.47 -3.95	43.62 1.51 -0.07	39.04 1.39 -0.07	38.09 1.11 -6.20	32.63 1.00 -3.14	27.43 0.70 0.00	23.54 0.51 0.00
NEWTON___FALLS_HYD 23847	18.56 -0.11 0.00	16.25 -0.20 0.00	15.27 -0.22 0.00	14.90 -0.15 -0.01	15.67 -0.13 0.00	17.39 -0.18 0.00	20.68 -0.17 0.00	22.35 -0.09 0.00	22.28 -0.18 0.00	22.33 -0.20 0.00	22.08 -0.45 0.00	22.09 -0.52 0.00	23.43 -0.55 -0.21	26.63 -0.67 -0.44	28.23 -0.77 -0.54	29.08 -0.79 -0.60	31.83 -1.29 -0.81	38.53 -1.31 -1.24	42.49 -1.01 -1.46	37.32 -1.17 -0.90	31.10 -0.34 -0.65	29.18 0.20 -0.48	27.36 0.27 -0.36	23.24 0.21 0.00
NGRID_A1_DSASP 323792	18.67 0.00 0.00	16.23 -0.21 0.00	15.17 -0.34 -0.03	14.59 -0.48 -0.03	15.34 -0.46 0.00	17.21 -0.35 0.00	19.89 -0.96 0.00	21.56 -0.88 0.00	21.86 -0.61 0.00	22.17 -0.36 0.00	22.30 -0.23 0.00	22.50 -0.11 0.00	23.77 0.00 0.00	26.89 0.03 0.00	28.72 0.26 0.00	29.53 0.26 0.00	33.05 0.74 0.00	39.32 0.43 -0.28	43.05 1.01 0.00	38.91 1.31 0.00	31.54 0.31 -0.44	28.32 -0.40 -0.22	26.42 -0.32 0.00	23.40 0.37 0.00
NGRID_A2_DSASP 323793	18.67 0.00 0.00	16.23 -0.21 0.00	15.17 -0.34 -0.03	14.59 -0.48 -0.03	15.34 -0.46 0.00	17.21 -0.35 0.00	19.89 -0.96 0.00	21.56 -0.88 0.00	21.86 -0.61 0.00	22.17 -0.36 0.00	22.30 -0.23 0.00	22.50 -0.11 0.00	23.77 0.00 0.00	26.89 0.03 0.00	28.72 0.26 0.00	29.53 0.26 0.00	33.05 0.74 0.00	39.32 0.43 -0.28	43.05 1.01 0.00	38.91 1.31 0.00	31.54 0.31 -0.44	28.32 -0.40 -0.22	26.42 -0.32 0.00	23.40 0.37 0.00
NGRID_A4_DSASP 323807	18.67 0.00 0.00	16.23 -0.21 0.00	15.17 -0.34 -0.03	14.59 -0.48 -0.03	15.23 -0.57 0.00	17.21 -0.35 0.00	19.89 -0.96 0.00	21.70 -0.74 0.00	21.86 -0.61 0.00	22.17 -0.36 0.00	22.28 -0.25 0.00	22.48 -0.14 0.00	23.77 0.00 0.00	26.70 -0.16 0.00	28.47 0.00 0.00	29.53 0.26 0.00	32.92 0.61 0.00	39.08 0.19 -0.28	42.63 0.59 0.00	38.76 1.17 0.00	31.54 0.31 -0.44	28.29 -0.43 -0.22	26.39 -0.35 0.00	23.33 0.30 0.00
NIAGARA_115E_LBMP 323715	18.61 -0.06 0.00	16.36 -0.08 0.00	15.09 -0.42 -0.03	14.54 -0.54 -0.03	15.28 -0.52 0.00	17.37 -0.19 0.00	19.95 -0.90 0.00	21.63 -0.81 0.00	21.92 -0.54 0.00	22.26 -0.27 0.00	22.35 -0.18 0.00	22.57 -0.05 0.00	23.82 0.05 0.00	26.97 0.11 0.00	28.81 0.34 0.00	29.62 0.35 0.00	33.18 0.87 0.00	39.47 0.58 -0.28	43.22 1.18 0.00	39.10 1.51 0.00	31.66 0.43 -0.45	28.43 -0.28 -0.23	26.50 -0.24 0.00	23.45 0.42 0.00



NIAGARA_115W_LBMP 323714	18.63 -0.04 0.00	16.18 -0.26 0.00	15.14 -0.37 -0.03	14.56 -0.51 -0.03	15.31 -0.49 0.00	17.18 -0.39 0.00	19.83 -1.02 0.00	21.50 -0.94 0.00	21.79 -0.67 0.00	22.10 -0.43 0.00	22.24 -0.29 0.00	22.43 -0.18 0.00	23.70 -0.07 0.00	26.81 -0.05 0.00	28.61 0.14 0.00	29.44 0.18 0.00	32.95 0.65 0.00	39.16 0.27 -0.28	42.93 0.88 0.00	38.79 1.20 0.00	31.44 0.22 -0.44	28.23 -0.48 -0.22	26.34 -0.40 0.00	23.33 0.30 0.00
NIAGARA_230_LBMP 323716	18.76 0.09 0.00	16.41 -0.03 0.00	15.26 -0.25 -0.02	14.68 -0.39 -0.03	15.44 -0.36 0.00	17.42 -0.14 0.00	20.16 -0.69 0.00	21.83 -0.60 0.00	22.13 -0.34 0.00	22.44 -0.09 0.00	22.53 0.00 0.00	22.75 0.14 0.00	24.01 0.24 0.00	27.16 0.30 0.00	28.98 0.51 0.00	29.80 0.53 0.00	33.37 1.06 0.00	39.66 0.77 -0.28	43.43 1.39 0.00	39.28 1.69 0.00	31.83 0.62 -0.43	28.63 -0.09 -0.22	26.68 -0.05 0.00	23.61 0.58 0.00
NIAGARA__115KV_198_GIBSON 55903	18.63 -0.04 0.00	16.18 -0.26 0.00	15.14 -0.37 -0.03	14.56 -0.51 -0.03	15.20 -0.60 0.00	17.18 -0.39 0.00	19.83 -1.02 0.00	21.63 -0.81 0.00	21.79 -0.67 0.00	22.10 -0.43 0.00	22.21 -0.32 0.00	22.41 -0.20 0.00	23.70 -0.07 0.00	26.62 -0.24 0.00	28.38 -0.09 0.00	29.41 0.15 0.00	32.79 0.48 0.00	38.97 0.08 -0.28	42.51 0.46 0.00	38.64 1.05 0.00	31.44 0.22 -0.44	28.20 -0.51 -0.22	26.31 -0.43 0.00	23.26 0.23 0.00
NIAGARA____ 23760	18.61 -0.06 0.00	16.27 -0.18 0.00	15.11 -0.40 -0.03	14.55 -0.53 -0.03	15.28 -0.52 0.00	17.25 -0.32 0.00	19.91 -0.94 0.00	21.68 -0.76 0.00	21.97 -0.49 0.00	22.28 -0.25 0.00	22.39 -0.13 0.00	22.59 -0.02 0.00	23.84 0.07 0.00	27.00 0.14 0.00	28.84 0.37 0.00	29.65 0.38 0.00	33.21 0.90 0.00	39.47 0.58 -0.28	43.26 1.22 0.00	39.10 1.51 0.00	31.69 0.46 -0.44	28.46 -0.26 -0.22	26.52 -0.21 0.00	23.42 0.39 0.00
NINE_MILE_1 23575	18.35 -0.32 0.00	16.12 -0.33 0.00	15.17 -0.33 -0.01	14.73 -0.33 -0.01	15.47 -0.33 0.00	17.25 -0.32 0.00	20.43 -0.42 0.00	21.94 -0.49 0.00	21.97 -0.49 0.00	22.06 -0.47 0.00	22.01 -0.52 0.00	22.11 -0.50 0.00	20.07 -0.52 3.18	19.60 -0.57 6.70	19.63 -0.57 8.27	19.46 -0.56 9.25	19.28 -0.48 12.55	18.88 -0.66 19.08	18.84 -0.63 22.57	23.49 -0.53 13.57	20.12 -0.52 10.14	20.32 -0.63 7.55	20.51 -0.61 5.62	22.55 -0.48 0.00
NINE_MILE_2 23744	18.35 -0.32 0.00	16.13 -0.31 0.00	15.17 -0.33 -0.01	14.73 -0.33 -0.01	15.47 -0.33 0.00	17.25 -0.32 0.00	20.43 -0.42 0.00	21.94 -0.49 0.00	21.97 -0.49 0.00	22.06 -0.47 0.00	22.01 -0.52 0.00	22.11 -0.50 0.00	20.02 -0.52 3.23	19.49 -0.57 6.80	19.51 -0.57 8.39	19.32 -0.56 9.39	19.09 -0.48 12.74	18.59 -0.66 19.36	18.50 -0.63 22.91	23.29 -0.53 13.77	19.96 -0.52 10.30	20.21 -0.63 7.66	20.42 -0.61 5.70	22.55 -0.48 0.00
NM_CAPITAL____DRP 24208	19.02 0.35 0.00	17.02 0.58 0.00	16.27 0.59 -0.20	15.86 0.57 -0.24	16.38 0.58 0.00	18.11 0.54 0.00	21.51 0.67 0.00	23.07 0.63 0.00	23.09 0.63 0.00	23.05 0.52 0.00	23.07 0.54 0.00	23.15 0.54 0.00	24.39 0.62 0.00	27.59 0.73 0.00	29.38 0.91 0.00	30.26 1.00 0.00	33.50 1.20 0.00	44.07 1.54 -3.91	43.70 1.60 -0.07	39.12 1.47 -0.07	38.06 1.14 -6.14	32.68 1.08 -3.10	27.49 0.75 0.00	23.61 0.58 0.00
NM_CENTRAL____DRP 24181	18.74 0.07 0.00	16.45 0.00 0.00	15.45 -0.05 -0.01	15.02 -0.05 -0.02	15.78 -0.02 0.00	17.61 0.05 0.00	20.87 0.02 0.00	22.48 0.04 0.00	22.51 0.04 0.00	22.62 0.09 0.00	22.62 0.09 0.00	22.72 0.11 0.00	24.23 0.14 -0.31	27.65 0.13 -0.66	29.47 0.20 -0.81	30.44 0.26 -0.90	33.95 0.42 -1.23	41.00 0.39 -2.01	44.75 0.50 -2.21	39.44 0.53 -1.33	32.31 0.31 -1.22	29.43 0.09 -0.85	27.31 0.03 -0.55	23.12 0.09 0.00
NM_FRONTIER____DRP 24179	18.63 -0.04 0.00	16.18 -0.26 0.00	15.14 -0.37 -0.03	14.56 -0.51 -0.03	15.20 -0.60 0.00	17.18 -0.39 0.00	19.83 -1.02 0.00	21.63 -0.81 0.00	21.79 -0.67 0.00	22.10 -0.43 0.00	22.21 -0.32 0.00	22.41 -0.20 0.00	23.70 -0.07 0.00	26.62 -0.24 0.00	28.38 -0.09 0.00	29.41 0.15 0.00	32.79 0.48 0.00	38.97 0.08 -0.28	42.51 0.46 0.00	38.64 1.05 0.00	31.44 0.22 -0.44	28.20 -0.51 -0.22	26.31 -0.43 0.00	23.26 0.23 0.00
NM_ST_REGIS____HYD 24053	18.20 -0.47 0.00	15.97 -0.48 0.00	15.02 -0.46 0.00	14.62 -0.42 0.00	15.36 -0.44 0.00	17.00 -0.56 0.00	20.22 -0.63 0.00	21.95 -0.49 0.00	21.97 -0.49 0.00	21.99 -0.54 0.00	21.74 -0.79 0.00	21.73 -0.88 0.00	23.00 -0.88 -0.11	25.94 -1.16 -0.23	27.38 -1.37 -0.28	28.15 -1.43 -0.32	30.57 -2.16 -0.43	36.71 -2.55 -0.65	40.41 -2.40 -0.77	35.41 -2.63 -0.45	29.73 -1.39 -0.33	28.26 -0.48 -0.25	26.76 -0.16 -0.18	22.83 -0.21 0.00
NORTHPORT____1 23551	19.34 0.67 0.00	17.38 0.94 0.00	16.50 0.87 -0.15	16.04 0.81 -0.19	16.59 0.79 0.00	18.49 0.93 0.00	22.20 1.35 0.00	23.97 1.53 0.00	23.92 1.46 0.00	23.75 1.22 0.00	23.90 1.37 0.00	23.94 1.33 0.00	24.70 0.93 0.00	27.71 0.86 0.02	29.65 1.20 0.01	30.81 1.55 0.01	33.88 1.58 0.01	42.77 2.36 -1.81	44.16 2.10 -0.02	39.29 1.69 -0.02	34.95 1.32 -2.84	31.30 1.37 -1.43	27.64 0.91 0.01	25.48 1.54 -0.90
NORTHPORT____2 23552	19.34 0.67 0.00	17.38 0.94 0.00	16.50 0.87 -0.15	16.04 0.81 -0.19	16.59 0.79 0.00	18.49 0.93 0.00	22.20 1.35 0.00	23.97 1.53 0.00	23.92 1.46 0.00	23.75 1.22 0.00	23.90 1.37 0.00	23.94 1.33 0.00	24.70 0.93 0.00	27.71 0.86 0.02	29.65 1.20 0.01	30.81 1.55 0.01	33.88 1.58 0.01	42.77 2.36 -1.81	44.16 2.10 -0.02	39.29 1.69 -0.02	34.95 1.32 -2.84	31.30 1.37 -1.43	27.64 0.91 0.01	25.48 1.54 -0.90
NORTHPORT____3 23553	19.66 0.99 0.00	17.63 1.18 0.00	16.74 1.10 -0.15	16.27 1.04 -0.19	16.84 1.04 0.00	18.76 1.19 0.00	22.52 1.67 0.00	24.30 1.86 0.00	24.28 1.82 0.00	24.13 1.60 0.00	24.31 1.78 0.00	24.38 1.76 0.00	25.06 1.28 0.00	27.61 0.75 0.01	29.52 1.05 0.00	30.62 1.35 0.00	33.67 1.36 0.00	42.51 2.08 -1.82	43.91 1.85 -0.02	39.07 1.46 -0.02	34.68 1.05 -2.85	31.08 1.14 -1.44	27.43 0.69 0.00	25.65 1.70 -0.91
NORTHPORT____4 23650	19.66 0.99 0.00	17.63 1.18 0.00	16.74 1.10 -0.15	16.27 1.04 -0.19	16.84 1.04 0.00	18.76 1.19 0.00	22.52 1.67 0.00	24.30 1.86 0.00	24.28 1.82 0.00	24.13 1.60 0.00	24.31 1.78 0.00	24.38 1.76 0.00	25.06 1.28 0.00	27.61 0.75 0.01	29.52 1.05 0.00	30.62 1.35 0.00	33.67 1.36 0.00	42.51 2.08 -1.82	43.91 1.85 -0.02	39.07 1.46 -0.02	34.68 1.05 -2.85	31.08 1.14 -1.44	27.43 0.69 0.00	25.65 1.70 -0.91
NORTHPORT____IC 23718	19.34 0.67 0.00	17.38 0.94 0.00	16.50 0.87 -0.15	16.04 0.81 -0.19	16.59 0.79 0.00	18.49 0.93 0.00	22.20 1.35 0.00	23.97 1.53 0.00	23.92 1.46 0.00	23.75 1.22 0.00	23.90 1.37 0.00	23.94 1.33 0.00	24.70 0.93 0.00	27.71 0.86 0.02	29.65 1.20 0.01	30.81 1.55 0.01	33.88 1.58 0.01	42.77 2.36 -1.81	44.16 2.10 -0.02	39.29 1.69 -0.02	34.95 1.32 -2.84	31.30 1.37 -1.43	27.64 0.91 0.01	25.48 1.54 -0.90



NORTH__COUNTRY_ESR 323785	18.35 -0.32 0.00	16.05 -0.39 0.00	15.08 -0.40 0.00	14.65 -0.39 0.00	15.37 -0.43 0.00	17.02 -0.54 0.00	20.37 -0.48 0.00	22.17 -0.27 0.00	22.22 -0.25 0.00	22.40 -0.13 0.00	22.44 -0.09 0.00	22.54 -0.07 0.00	23.75 -0.02 0.00	26.76 -0.11 0.00	28.27 -0.20 0.00	29.03 -0.24 0.00	31.79 -0.52 0.00	37.92 -0.69 0.00	41.62 -0.42 0.00	36.75 -0.83 0.00	30.63 -0.15 0.00	28.47 -0.03 0.00	26.90 0.16 0.00	23.10 0.07 0.00
NPX_GEN_1385_PROXY 323591	19.34 0.67 0.00	17.42 0.97 0.00	16.54 0.90 -0.15	16.07 0.84 -0.19	16.62 0.82 0.00	18.53 0.97 0.00	22.24 1.40 0.00	24.01 1.57 0.00	23.97 1.51 0.00	23.79 1.26 0.00	23.95 1.42 0.00	23.99 1.38 0.00	24.75 0.98 0.00	27.76 0.91 0.02	29.71 1.25 0.01	30.87 1.61 0.01	33.95 1.65 0.01	42.85 2.43 -1.81	44.24 2.18 -0.02	39.37 1.77 -0.02	35.02 1.39 -2.84	31.35 1.42 -1.43	27.69 0.96 0.01	25.52 1.59 -0.90
NPX_GEN_CSC 323557	19.27 0.60 0.00	17.43 0.99 0.00	16.54 0.90 -0.15	16.06 0.83 -0.19	16.56 0.76 0.00	18.46 0.90 0.00	22.27 1.42 0.00	24.03 1.59 0.00	23.97 1.51 0.00	23.68 1.15 0.00	23.74 1.22 0.00	23.76 1.15 0.00	24.53 0.76 0.00	27.55 0.70 0.01	29.63 1.17 0.00	30.82 1.55 0.00	34.02 1.71 0.00	42.94 2.51 -1.82	44.33 2.27 -0.02	39.41 1.80 -0.02	35.12 1.48 -2.85	31.39 1.45 -1.44	27.73 0.99 0.00	25.44 1.50 -0.91
NSINS_S_GLNS_FALLS 23858	19.98 1.31 0.00	17.76 1.32 0.00	16.93 1.24 -0.20	16.50 1.20 -0.25	17.06 1.26 0.00	18.93 1.37 0.00	22.58 1.73 0.00	24.23 1.80 0.00	24.33 1.86 0.00	24.24 1.71 0.00	24.17 1.64 0.00	24.26 1.65 0.00	25.65 1.88 0.00	28.50 1.64 0.00	30.17 1.71 0.00	31.02 1.76 0.00	34.54 2.23 0.00	47.30 3.36 -5.34	46.00 3.87 -0.09	41.17 3.50 -0.09	41.96 2.80 -8.37	35.12 2.39 -4.24	28.58 1.84 0.00	24.99 1.96 0.00
NUCOR_STEEL__DRP 24197	19.01 0.34 0.00	16.68 0.23 0.00	15.66 0.15 -0.02	15.24 0.17 -0.02	16.00 0.21 0.00	17.90 0.33 0.00	21.22 0.38 0.00	22.89 0.45 0.00	22.89 0.43 0.00	23.03 0.50 0.00	23.02 0.50 0.00	23.13 0.52 0.00	24.88 0.55 -0.56	28.69 0.64 -1.18	30.69 0.77 -1.45	31.77 0.88 -1.63	35.64 1.13 -2.20	43.45 1.27 -3.57	47.52 1.51 -3.97	41.48 1.50 -2.39	34.01 1.11 -2.12	30.73 0.74 -1.50	28.34 0.61 -0.99	23.65 0.62 0.00
NUMBER_THREE_WT_PWR 323818	19.01 0.34 0.00	16.59 0.15 0.00	15.61 0.12 -0.01	15.23 0.18 -0.01	16.02 0.22 0.00	17.84 0.28 0.00	21.22 0.38 0.00	22.86 0.43 0.00	22.75 0.29 0.00	22.87 0.34 0.00	22.71 0.18 0.00	22.77 0.16 0.00	24.19 0.19 -0.23	27.59 0.24 -0.48	29.38 0.31 -0.60	30.29 0.35 -0.67	33.57 0.36 -0.90	40.60 0.62 -1.37	44.80 1.14 -1.63	39.47 0.90 -0.98	32.62 1.11 -0.73	30.06 1.02 -0.54	28.05 0.91 -0.40	23.75 0.71 0.00
NYISO_LBMP_REFERENCE 24008	18.67 0.00 0.00	16.45 0.00 0.00	15.48 0.00 0.00	15.05 0.00 0.00	15.80 0.00 0.00	17.56 0.00 0.00	20.85 0.00 0.00	22.44 0.00 0.00	22.46 0.00 0.00	22.53 0.00 0.00	22.53 0.00 0.00	22.61 0.00 0.00	23.77 0.00 0.00	26.86 0.00 0.00	28.47 0.00 0.00	29.27 0.00 0.00	32.31 0.00 0.00	38.61 0.00 0.00	42.04 0.00 0.00	37.59 0.00 0.00	30.79 0.00 0.00	28.49 0.00 0.00	26.74 0.00 0.00	23.03 0.00 0.00
NYPA_BRENTWD__GT 24164	19.60 0.93 0.00	17.63 1.18 0.00	16.72 1.08 -0.15	16.24 1.01 -0.19	16.81 1.01 0.00	18.74 1.18 0.00	22.52 1.67 0.00	24.30 1.86 0.00	24.26 1.80 0.00	24.06 1.53 0.00	24.22 1.69 0.00	24.26 1.65 0.00	25.03 1.26 0.00	28.12 1.26 0.01	30.17 1.71 0.00	31.38 2.11 0.00	34.57 2.26 0.00	43.59 3.17 -1.82	45.05 2.99 -0.02	40.09 2.48 -0.02	35.61 1.97 -2.85	31.85 1.91 -1.44	28.15 1.42 0.00	25.88 1.94 -0.91
NYPA_GOWANUS__GT5 24156	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
NYPA_GOWANUS__GT6 24157	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.99 1.55 0.00	24.06 1.59 0.00	24.08 1.55 0.00	24.15 1.62 0.00	24.10 1.49 0.00	25.25 1.47 0.00	28.61 1.75 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.71 3.28 -1.82	45.47 3.40 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.46 1.43 0.00
NYPA_HARLEM_RVR_GT1 24160	19.71 1.04 0.00	17.61 1.17 0.00	16.85 1.21 -0.16	16.41 1.17 -0.19	16.99 1.19 -0.01	18.63 1.07 0.00	22.15 1.31 0.01	23.91 1.48 0.01	23.98 1.53 0.01	24.01 1.49 0.01	24.07 1.55 0.01	24.05 1.45 0.01	25.19 1.43 0.01	28.44 1.58 0.01	30.25 1.79 0.01	31.37 2.11 0.01	34.34 2.04 0.01	43.39 2.97 -1.81	45.00 2.94 -0.02	39.90 2.29 -0.02	35.51 1.88 -2.84	31.78 1.85 -1.43	28.23 1.50 0.01	24.30 1.27 0.00
NYPA_HARLEM_RVR_GT2 24161	19.71 1.04 0.00	17.61 1.17 0.00	16.85 1.21 -0.16	16.41 1.17 -0.19	16.99 1.19 -0.01	18.63 1.07 0.00	22.15 1.31 0.01	23.91 1.48 0.01	23.98 1.53 0.01	24.01 1.49 0.01	24.07 1.55 0.01	24.05 1.45 0.01	25.19 1.43 0.01	28.44 1.58 0.01	30.25 1.79 0.01	31.37 2.11 0.01	34.34 2.04 0.01	43.39 2.97 -1.81	45.00 2.94 -0.02	39.90 2.29 -0.02	35.51 1.88 -2.84	31.78 1.85 -1.43	28.23 1.50 0.01	24.30 1.27 0.00
NYPA_KENT__GT 24152	19.71 1.04 0.00	17.61 1.17 0.00	16.80 1.16 -0.15	16.36 1.13 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	24.03 1.59 0.00	24.10 1.64 0.00	24.11 1.58 0.00	24.17 1.64 0.00	24.15 1.54 0.00	25.30 1.52 0.00	28.61 1.75 0.00	30.43 1.96 0.00	31.52 2.25 0.00	34.54 2.23 0.00	43.71 3.28 -1.82	45.39 3.32 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	31.99 2.05 -1.44	28.47 1.74 0.00	24.44 1.41 0.00
NYPA_POUCH1__GT 24155	19.81 1.14 0.00	17.68 1.23 0.00	16.83 1.19 -0.15	16.37 1.14 -0.19	16.97 1.17 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.90 1.46 0.00	23.97 1.51 0.00	24.00 1.46 0.00	24.04 1.51 0.00	24.02 1.40 0.00	25.15 1.38 0.00	28.56 1.69 0.00	30.26 1.79 0.00	31.41 2.14 0.00	34.38 2.07 0.00	43.60 3.17 -1.82	45.56 3.49 -0.03	40.03 2.41 -0.03	35.58 1.94 -2.86	31.96 2.02 -1.44	28.53 1.79 0.00	24.48 1.45 0.00
NYPA_VERNON__GT2 24162	19.68 1.01 0.00	17.60 1.15 0.00	16.78 1.15 -0.15	16.35 1.11 -0.19	16.92 1.12 0.00	18.70 1.14 0.00	22.33 1.48 0.00	24.08 1.64 0.00	24.12 1.66 0.00	24.15 1.62 0.00	24.20 1.67 0.00	24.17 1.56 0.00	25.32 1.54 0.00	28.61 1.75 0.00	30.46 1.99 0.00	31.55 2.28 0.00	34.57 2.26 0.00	43.67 3.24 -1.82	45.26 3.19 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	31.96 2.02 -1.44	28.42 1.69 0.00	24.39 1.36 0.00



NYPY_VERNON____GT3 24163	19.68 1.01 0.00	17.60 1.15 0.00	16.78 1.15 -0.15	16.35 1.11 -0.19	16.92 1.12 0.00	18.70 1.14 0.00	22.33 1.48 0.00	24.08 1.64 0.00	24.12 1.66 0.00	24.15 1.62 0.00	24.20 1.67 0.00	24.17 1.56 0.00	25.32 1.54 0.00	28.61 1.75 0.00	30.46 1.99 0.00	31.55 2.28 0.00	34.57 2.26 0.00	43.67 3.24 -1.82	45.26 3.19 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	31.96 2.02 -1.44	28.42 1.69 0.00	24.39 1.36 0.00
NYPY____ASTORIA_CC1 323568	19.66 0.99 0.00	17.58 1.13 0.00	16.78 1.15 -0.15	16.33 1.10 -0.19	16.90 1.11 0.00	18.69 1.12 0.00	22.28 1.44 0.00	24.01 1.57 0.00	24.08 1.62 0.00	24.08 1.55 0.00	24.17 1.64 0.00	24.15 1.54 0.00	25.27 1.50 0.00	28.56 1.69 0.00	30.37 1.91 0.00	31.49 2.22 0.00	34.47 2.16 0.00	43.59 3.17 -1.82	45.18 3.11 -0.03	40.06 2.44 -0.03	35.64 2.00 -2.85	31.90 1.96 -1.44	28.37 1.63 0.00	24.34 1.31 0.00
NYPY____ASTORIA_CC2 323569	19.66 0.99 0.00	17.58 1.13 0.00	16.78 1.15 -0.15	16.33 1.10 -0.19	16.90 1.11 0.00	18.69 1.12 0.00	22.28 1.44 0.00	24.01 1.57 0.00	24.08 1.62 0.00	24.08 1.55 0.00	24.17 1.64 0.00	24.15 1.54 0.00	25.27 1.50 0.00	28.56 1.69 0.00	30.37 1.91 0.00	31.49 2.22 0.00	34.47 2.16 0.00	43.59 3.17 -1.82	45.18 3.11 -0.03	40.06 2.44 -0.03	35.64 2.00 -2.85	31.90 1.96 -1.44	28.37 1.63 0.00	24.34 1.31 0.00
NYPY____HOLTSVILL 23794	19.49 0.82 0.00	17.55 1.10 0.00	16.66 1.02 -0.15	16.18 0.95 -0.19	16.71 0.92 0.00	18.65 1.09 0.00	22.41 1.56 0.00	24.21 1.77 0.00	24.15 1.69 0.00	23.93 1.40 0.00	24.06 1.53 0.00	24.10 1.49 0.00	24.89 1.12 0.00	27.96 1.10 0.01	30.00 1.54 0.00	31.17 1.90 0.00	34.35 2.04 0.00	43.28 2.86 -1.82	44.71 2.65 -0.02	39.79 2.18 -0.02	35.39 1.75 -2.85	31.68 1.74 -1.44	27.99 1.26 0.00	25.72 1.77 -0.91
NYPY____HELLGATE_GT1 24158	19.71 1.04 0.00	17.61 1.17 0.00	16.85 1.21 -0.16	16.41 1.17 -0.19	16.99 1.19 -0.01	18.63 1.07 0.00	22.15 1.31 0.01	23.91 1.48 0.01	23.98 1.53 0.01	24.01 1.49 0.01	24.07 1.55 0.01	24.05 1.45 0.01	25.19 1.43 0.01	28.44 1.58 0.01	30.25 1.79 0.01	31.37 2.11 0.01	34.34 2.04 0.01	43.39 2.97 -1.81	45.00 2.94 -0.02	39.90 2.29 -0.02	35.51 1.88 -2.84	31.78 1.85 -1.43	28.23 1.50 0.01	24.30 1.27 0.00
NYPY____HELLGATE_GT2 24159	19.71 1.04 0.00	17.61 1.17 0.00	16.85 1.21 -0.16	16.41 1.17 -0.19	16.99 1.19 -0.01	18.63 1.07 0.00	22.15 1.31 0.01	23.91 1.48 0.01	23.98 1.53 0.01	24.01 1.49 0.01	24.07 1.55 0.01	24.05 1.45 0.01	25.19 1.43 0.01	28.44 1.58 0.01	30.25 1.79 0.01	31.37 2.11 0.01	34.34 2.04 0.01	43.39 2.97 -1.81	45.00 2.94 -0.02	39.90 2.29 -0.02	35.51 1.88 -2.84	31.78 1.85 -1.43	28.23 1.50 0.01	24.30 1.27 0.00
NYS_BARGE____HYD 23848	18.93 0.26 0.00	16.61 0.16 0.00	15.32 -0.19 -0.02	14.77 -0.30 -0.03	15.53 -0.27 0.00	17.61 0.05 0.00	20.29 -0.56 0.00	22.04 -0.40 0.00	22.33 -0.13 0.00	22.67 0.14 0.00	22.78 0.25 0.00	22.97 0.36 0.00	24.27 0.50 0.00	27.51 0.64 0.00	29.35 0.88 0.00	30.20 0.94 0.00	33.89 1.58 0.00	40.32 1.43 -0.28	44.14 2.10 0.00	39.96 2.37 0.00	32.30 1.08 -0.43	29.00 0.28 -0.22	27.00 0.27 0.00	23.86 0.83 0.00
OAK ORCHARD____HYD 24046	18.97 0.30 0.00	16.63 0.18 0.00	15.58 0.08 -0.02	15.01 -0.06 -0.02	15.78 -0.02 0.00	17.77 0.21 0.00	20.76 -0.08 0.00	22.55 0.11 0.00	22.69 0.22 0.00	22.91 0.38 0.00	23.05 0.52 0.00	23.27 0.66 0.00	24.53 0.76 0.00	27.78 0.91 0.00	29.58 1.11 0.00	30.38 1.11 0.00	33.99 1.68 0.00	40.52 1.70 -0.22	44.35 2.31 0.00	39.84 2.26 0.00	32.45 1.32 -0.34	29.35 0.68 -0.17	27.41 0.67 0.00	23.93 0.90 0.00
OAKDALE____35_KV_LOAD 356122	19.16 0.49 0.00	16.84 0.39 0.00	15.80 0.26 -0.05	15.35 0.24 -0.06	16.11 0.32 0.00	18.00 0.44 0.00	21.31 0.46 0.00	23.02 0.58 0.00	23.07 0.61 0.00	23.21 0.68 0.00	23.23 0.70 0.00	23.33 0.72 0.00	24.71 0.71 -0.22	28.14 0.81 -0.47	30.04 1.00 -0.57	31.05 1.14 -0.64	34.57 1.39 -0.87	42.16 1.58 -1.97	45.38 1.77 -1.58	40.31 1.77 -0.95	33.77 1.26 -1.72	30.41 0.88 -1.04	27.85 0.72 -0.39	23.86 0.83 0.00
OCC_CHEM____DRP 24175	18.67 0.00 0.00	16.23 -0.21 0.00	15.17 -0.34 -0.03	14.59 -0.48 -0.03	15.23 -0.57 0.00	17.21 -0.35 0.00	19.89 -0.96 0.00	21.70 -0.74 0.00	21.86 -0.61 0.00	22.17 -0.36 0.00	22.28 -0.25 0.00	22.48 -0.14 0.00	23.77 0.00 0.00	26.70 -0.16 0.00	28.47 0.00 0.00	29.53 0.26 0.00	32.92 0.61 0.00	39.08 0.19 -0.28	42.63 0.59 0.00	38.76 1.17 0.00	31.54 0.31 -0.44	28.29 -0.43 -0.22	26.39 -0.35 0.00	23.33 0.30 0.00
OH_GEN_PROXY 24063	18.78 0.11 0.00	16.43 -0.02 0.00	15.26 -0.25 -0.02	14.70 -0.38 -0.03	14.90 -0.35 0.55	17.44 -0.12 0.00	19.50 -0.65 0.70	21.90 -0.54 0.00	22.17 -0.29 0.00	22.48 -0.04 0.00	22.57 0.05 0.00	22.77 0.16 0.00	24.06 0.29 0.00	27.19 0.32 0.00	29.04 0.57 0.00	29.85 0.59 0.00	33.41 1.10 0.00	39.73 0.85 -0.28	43.51 1.47 0.00	39.32 1.73 0.00	31.90 0.68 -0.44	28.69 -0.03 -0.22	26.74 0.00 0.00	23.63 0.60 0.00
OLIN_CORP_DRP 24177	18.65 -0.02 0.00	16.40 -0.05 0.00	15.12 -0.39 -0.03	14.55 -0.53 -0.03	15.39 -0.41 0.00	17.39 -0.18 0.00	19.99 -0.85 0.00	21.81 -0.63 0.00	21.99 -0.47 0.00	22.28 -0.25 0.00	22.39 -0.14 0.00	22.61 0.00 0.00	23.87 0.10 0.00	26.84 -0.03 0.00	28.61 0.14 0.00	29.68 0.41 0.00	33.12 0.81 0.00	39.32 0.42 -0.29	42.93 0.88 0.00	39.02 1.43 0.00	31.73 0.49 -0.45	28.44 -0.28 -0.23	26.52 -0.21 0.00	23.47 0.44 0.00
OLIN_CORP_DSASP 323712	18.67 0.00 0.00	16.23 -0.21 0.00	15.17 -0.34 -0.03	14.59 -0.48 -0.03	15.34 -0.46 0.00	17.21 -0.35 0.00	19.89 -0.96 0.00	21.56 -0.88 0.00	21.86 -0.61 0.00	22.17 -0.36 0.00	22.30 -0.23 0.00	22.50 -0.11 0.00	23.77 0.00 0.00	26.89 0.03 0.00	28.72 0.26 0.00	29.53 0.26 0.00	33.05 0.74 0.00	39.32 0.43 -0.28	43.05 1.01 0.00	38.91 1.31 0.00	31.54 0.31 -0.44	28.32 -0.40 -0.22	26.42 -0.32 0.00	23.40 0.37 0.00
ONEIDA_HERK_LFGE 323681	19.08 0.41 0.00	16.68 0.23 0.00	15.68 0.19 -0.01	15.29 0.24 -0.01	16.07 0.27 0.00	17.89 0.33 0.00	21.29 0.44 0.00	22.93 0.49 0.00	22.87 0.40 0.00	23.00 0.47 0.00	22.93 0.41 0.00	23.04 0.43 0.00	24.35 0.45 -0.13	27.72 0.59 -0.26	29.47 0.68 -0.33	30.39 0.76 -0.37	33.64 0.84 -0.50	40.48 1.12 -0.75	44.36 1.43 -0.89	39.33 1.20 -0.54	32.33 1.14 -0.40	29.79 1.00 -0.30	27.79 0.83 -0.22	23.70 0.67 0.00
ONEIDA____115KV_TB4 55905	19.25 0.58 0.00	16.81 0.36 0.00	15.79 0.29 -0.01	15.40 0.35 -0.01	16.18 0.38 0.00	18.04 0.47 0.00	21.45 0.60 0.00	23.11 0.67 0.00	23.05 0.58 0.00	23.21 0.68 0.00	23.23 0.70 0.00	23.33 0.72 0.00	24.71 0.76 -0.17	28.17 0.94 -0.36	30.00 1.08 -0.45	31.00 1.23 -0.50	34.28 1.29 -0.68	41.35 1.70 -1.04	45.28 2.02 -1.23	40.09 1.77 -0.74	32.81 1.48 -0.55	30.10 1.20 -0.41	27.98 0.94 -0.30	23.86 0.83 0.00



ONONDAGA_REF_OCCRA 23987	18.80 0.13 0.00	16.50 0.05 0.00	15.50 0.00 -0.02	15.07 0.00 -0.02	15.83 0.03 0.00	17.67 0.11 0.00	20.95 0.10 0.00	22.60 0.16 0.00	22.60 0.13 0.00	22.71 0.18 0.00	22.71 0.18 0.00	22.81 0.20 0.00	24.36 0.21 -0.38	27.90 0.24 -0.80	29.76 0.31 -0.98	30.78 0.41 -1.10	34.35 0.55 -1.49	41.68 0.62 -2.45	45.48 0.76 -2.68	39.95 0.75 -1.61	32.78 0.49 -1.50	29.80 0.26 -1.04	27.56 0.16 -0.67	23.24 0.21 0.00
ONONDAGA___COGEN 23986	18.82 0.15 0.00	16.51 0.07 0.00	15.52 0.02 -0.02	15.08 0.02 -0.02	15.85 0.05 0.00	17.69 0.12 0.00	20.97 0.13 0.00	22.60 0.16 0.00	22.62 0.16 0.00	22.71 0.18 0.00	22.71 0.18 0.00	22.81 0.20 0.00	24.56 0.21 -0.58	28.35 0.27 -1.22	30.31 0.34 -1.50	31.39 0.44 -1.68	35.20 0.61 -2.28	42.86 0.62 -3.63	46.89 0.76 -4.10	40.84 0.79 -2.47	33.42 0.52 -2.11	30.29 0.28 -1.51	27.94 0.19 -1.02	23.26 0.23 0.00
ONTARIO___LFGE 23819	19.23 0.56 0.00	16.78 0.33 0.00	15.68 0.17 -0.02	15.24 0.17 -0.03	16.04 0.24 0.00	18.02 0.46 0.00	21.29 0.44 0.00	23.07 0.63 0.00	23.14 0.67 0.00	23.32 0.79 0.00	23.32 0.79 0.00	23.45 0.84 0.00	24.91 0.95 -0.19	28.41 1.15 -0.39	30.32 1.37 -0.48	31.24 1.43 -0.54	34.98 1.94 -0.74	42.03 2.04 -1.38	45.93 2.56 -1.33	40.87 2.48 -0.80	33.45 1.66 -1.01	30.29 1.14 -0.65	28.06 0.99 -0.33	24.02 0.99 0.00
ORANGEVILLE_WT_PWR 323706	19.21 0.54 0.00	16.79 0.35 0.00	15.48 -0.03 -0.03	15.04 -0.05 -0.04	15.81 0.02 0.00	17.88 0.32 0.00	20.85 0.00 0.00	22.66 0.22 0.00	22.93 0.47 0.00	23.27 0.74 0.00	23.25 0.72 0.00	23.45 0.84 0.00	24.75 0.98 0.00	28.08 1.21 0.00	29.95 1.48 0.00	30.82 1.55 0.00	34.51 2.20 0.00	41.16 2.20 -0.35	44.91 2.86 -0.01	40.56 2.97 -0.01	32.96 1.63 -0.55	29.65 0.88 -0.28	27.54 0.80 0.00	24.14 1.11 0.00
ORANGEVILLE___ESR 323794	19.21 0.54 0.00	16.79 0.35 0.00	15.48 -0.03 -0.03	15.04 -0.05 -0.04	15.81 0.02 0.00	17.88 0.32 0.00	20.85 0.00 0.00	22.66 0.22 0.00	22.93 0.47 0.00	23.27 0.74 0.00	23.25 0.72 0.00	23.45 0.84 0.00	24.75 0.98 0.00	28.08 1.21 0.00	29.95 1.48 0.00	30.82 1.55 0.00	34.51 2.20 0.00	41.16 2.20 -0.35	44.91 2.86 -0.01	40.56 2.97 -0.01	32.96 1.63 -0.55	29.65 0.88 -0.28	27.54 0.80 0.00	24.14 1.11 0.00
OSWEGATCHIE___HYD 24044	18.56 -0.11 0.00	16.25 -0.20 0.00	15.29 -0.20 0.00	14.90 -0.15 -0.01	15.67 -0.13 0.00	17.39 -0.18 0.00	20.68 -0.17 0.00	22.35 -0.09 0.00	22.28 -0.18 0.00	22.33 -0.20 0.00	22.08 -0.45 0.00	22.09 -0.52 0.00	23.42 -0.55 -0.19	26.60 -0.67 -0.41	28.23 -0.74 -0.50	29.04 -0.79 -0.56	31.88 -1.19 -0.76	38.46 -1.31 -1.16	42.40 -1.01 -1.37	37.30 -1.13 -0.84	31.19 -0.21 -0.62	29.15 0.20 -0.46	27.40 0.32 -0.34	23.24 0.21 0.00
OSWEGO___5 23606	18.48 -0.19 0.00	16.25 -0.20 0.00	15.28 -0.22 -0.01	14.83 -0.23 -0.01	15.58 -0.22 0.00	17.39 -0.18 0.00	20.60 -0.25 0.00	22.12 -0.31 0.00	22.15 -0.31 0.00	22.26 -0.27 0.00	22.21 -0.32 0.00	22.32 -0.29 0.00	25.84 -0.31 -2.37	31.55 -0.32 -5.01	34.35 -0.28 -6.17	35.89 -0.29 -6.91	41.52 -0.16 -9.37	52.58 -0.27 -14.24	58.68 -0.21 -16.85	47.57 -0.15 -10.13	38.15 -0.21 -7.57	33.79 -0.34 -5.64	30.56 -0.37 -4.19	22.76 -0.28 0.00
OSWEGO___6 23613	18.48 -0.19 0.00	16.25 -0.20 0.00	15.28 -0.22 -0.01	14.83 -0.23 -0.01	15.58 -0.22 0.00	17.39 -0.18 0.00	20.60 -0.25 0.00	22.12 -0.31 0.00	22.15 -0.31 0.00	22.26 -0.27 0.00	22.21 -0.32 0.00	22.32 -0.29 0.00	25.84 -0.31 -2.37	31.55 -0.32 -5.01	34.35 -0.28 -6.17	35.89 -0.29 -6.91	41.52 -0.16 -9.37	52.58 -0.27 -14.24	58.68 -0.21 -16.85	47.57 -0.15 -10.13	38.15 -0.21 -7.57	33.79 -0.34 -5.64	30.56 -0.37 -4.19	22.76 -0.28 0.00
OUTOKUMPU-AB___DRP 24206	19.17 0.50 0.00	16.71 0.26 0.00	15.50 -0.02 -0.03	14.91 -0.17 -0.03	15.67 -0.13 0.00	17.72 0.16 0.00	20.39 -0.46 0.00	22.33 -0.11 0.00	22.53 0.07 0.00	22.87 0.34 0.00	23.00 0.47 0.00	23.20 0.59 0.00	24.49 0.71 0.00	27.56 0.70 0.00	29.38 0.91 0.00	30.50 1.23 0.00	34.05 1.74 0.00	40.48 1.58 -0.29	44.10 2.06 0.00	40.15 2.56 0.00	32.56 1.32 -0.45	29.18 0.46 -0.23	27.16 0.43 0.00	24.05 1.01 0.00
OXBOW____ 24026	18.97 0.30 0.00	16.51 0.07 0.00	15.37 -0.14 -0.03	14.81 -0.27 -0.03	15.54 -0.25 0.00	17.51 -0.05 0.00	20.18 -0.67 0.00	21.92 -0.52 0.00	22.24 -0.22 0.00	22.60 0.07 0.00	22.69 0.16 0.00	22.90 0.29 0.00	24.20 0.43 0.00	27.43 0.57 0.00	29.29 0.83 0.00	30.12 0.85 0.00	33.76 1.46 0.00	40.17 1.27 -0.29	43.98 1.93 0.00	39.77 2.18 0.00	32.16 0.92 -0.45	28.89 0.17 -0.23	26.90 0.16 0.00	23.77 0.74 0.00
OXY_CHEM_DSASP 323612	18.67 0.00 0.00	16.23 -0.21 0.00	15.17 -0.34 -0.03	14.59 -0.48 -0.03	15.23 -0.57 0.00	17.21 -0.35 0.00	19.89 -0.96 0.00	21.70 -0.74 0.00	21.86 -0.61 0.00	22.17 -0.36 0.00	22.28 -0.25 0.00	22.48 -0.14 0.00	23.77 0.00 0.00	26.70 -0.16 0.00	28.47 0.00 0.00	29.53 0.26 0.00	32.92 0.61 0.00	39.08 0.19 -0.28	42.63 0.59 0.00	38.76 1.17 0.00	31.54 0.31 -0.44	28.29 -0.43 -0.22	26.39 -0.35 0.00	23.33 0.30 0.00
OZONE_PARK_ESR 323760	19.77 1.10 0.00	17.66 1.22 0.00	16.85 1.21 -0.15	16.39 1.16 -0.19	16.97 1.17 0.00	18.84 1.28 0.00	22.51 1.67 0.00	24.28 1.84 0.00	24.37 1.91 0.00	24.40 1.87 0.00	24.35 1.82 0.00	24.33 1.72 0.00	25.56 1.78 0.00	28.91 2.04 0.00	30.89 2.42 0.00	31.79 2.52 0.00	35.05 2.75 0.00	44.21 3.78 -1.82	45.85 3.78 -0.03	40.77 3.16 -0.03	36.19 2.56 -2.85	32.33 2.39 -1.44	28.80 2.06 0.00	24.51 1.47 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	18.67 0.00 0.00	16.23 -0.21 0.00	15.17 -0.34 -0.03	14.59 -0.48 -0.03	15.23 -0.57 0.00	17.21 -0.35 0.00	19.89 -0.96 0.00	21.70 -0.74 0.00	21.86 -0.61 0.00	22.17 -0.36 0.00	22.28 -0.25 0.00	22.48 -0.14 0.00	23.77 0.00 0.00	26.70 -0.16 0.00	28.47 0.00 0.00	29.53 0.26 0.00	32.92 0.61 0.00	39.08 0.19 -0.28	42.63 0.59 0.00	38.76 1.17 0.00	31.54 0.31 -0.44	28.29 -0.43 -0.22	26.39 -0.35 0.00	23.33 0.30 0.00
PACKARD___115KV_DUPONT_184 80571	18.67 0.00 0.00	16.23 -0.21 0.00	15.17 -0.34 -0.03	14.59 -0.48 -0.03	15.23 -0.57 0.00	17.21 -0.35 0.00	19.89 -0.96 0.00	21.70 -0.74 0.00	21.86 -0.61 0.00	22.17 -0.36 0.00	22.28 -0.25 0.00	22.48 -0.14 0.00	23.77 0.00 0.00	26.70 -0.16 0.00	28.47 0.00 0.00	29.53 0.26 0.00	32.92 0.61 0.00	39.08 0.19 -0.28	42.63 0.59 0.00	38.76 1.17 0.00	31.54 0.31 -0.44	28.29 -0.43 -0.22	26.39 -0.35 0.00	23.33 0.30 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	19.73 1.06 0.00	17.61 1.17 0.00	16.85 1.21 -0.15	16.41 1.17 -0.19	16.98 1.18 0.00	18.65 1.09 0.00	22.20 1.36 0.00	23.90 1.46 0.00	24.03 1.57 0.00	24.06 1.53 0.00	24.04 1.51 0.00	24.01 1.40 0.00	25.22 1.45 0.00	28.56 1.69 0.00	30.46 1.99 0.00	31.38 2.11 0.00	34.57 2.26 0.00	43.55 3.13 -1.82	45.18 3.11 -0.03	40.06 2.44 -0.03	35.64 2.00 -2.85	31.90 1.97 -1.44	28.42 1.68 0.00	24.30 1.27 0.00



PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	19.86 1.19 0.00	17.68 1.23 0.00	16.89 1.25 -0.15	16.45 1.22 -0.19	17.03 1.23 0.00	18.72 1.16 0.00	22.29 1.44 0.00	23.99 1.55 0.00	24.10 1.64 0.00	24.13 1.60 0.00	24.04 1.51 0.00	24.06 1.45 0.00	25.22 1.45 0.00	28.56 1.69 0.00	30.46 1.99 0.00	31.38 2.11 0.00	34.57 2.26 0.00	43.55 3.13 -1.82	45.22 3.15 -0.03	40.10 2.48 -0.03	35.67 2.03 -2.85	31.93 1.99 -1.44	28.48 1.74 0.00	24.37 1.34 0.00
PATROON__115KV_TB1 80586	19.02 0.35 0.00	17.01 0.56 0.00	16.25 0.57 -0.20	15.84 0.56 -0.24	16.37 0.57 0.00	18.09 0.53 0.00	21.49 0.65 0.00	23.04 0.61 0.00	23.09 0.63 0.00	23.05 0.52 0.00	23.07 0.54 0.00	23.15 0.54 0.00	24.39 0.62 0.00	27.62 0.75 0.00	29.41 0.94 0.00	30.29 1.02 0.00	33.57 1.26 0.00	44.35 1.62 -4.12	43.79 1.68 -0.07	39.20 1.54 -0.07	38.45 1.20 -6.47	32.88 1.11 -3.27	27.51 0.78 0.00	23.61 0.58 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	19.34 0.67 0.00	16.91 0.46 0.00	15.45 -0.06 -0.03	14.93 -0.15 -0.03	15.88 0.08 0.00	17.93 0.37 0.00	20.83 -0.02 0.00	22.75 0.31 0.00	22.96 0.49 0.00	23.32 0.79 0.00	23.41 0.88 0.00	23.65 1.04 0.00	24.56 0.78 0.00	27.70 0.83 0.00	29.52 1.05 0.00	30.67 1.40 0.00	34.28 1.97 0.00	40.82 1.89 -0.32	44.27 2.23 -0.01	40.26 2.67 -0.01	32.74 1.45 -0.50	29.35 0.60 -0.26	27.25 0.51 0.00	24.48 1.45 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	19.64 0.97 0.00	17.61 1.17 0.00	16.78 1.15 -0.15	16.33 1.10 -0.19	16.90 1.11 0.00	18.72 1.16 0.00	22.41 1.56 0.00	24.10 1.66 0.00	24.19 1.73 0.00	24.24 1.71 0.00	24.24 1.71 0.00	24.22 1.61 0.00	25.44 1.66 0.00	28.75 1.88 0.00	30.80 2.33 0.00	31.79 2.52 0.00	35.09 2.78 0.00	44.04 3.59 -1.84	45.56 3.49 -0.03	40.66 3.04 -0.03	36.17 2.49 -2.89	32.27 2.31 -1.46	28.64 1.90 0.00	24.44 1.40 0.00
PEEKSKILL____ 23653	19.55 0.88 0.00	17.48 1.04 0.00	16.66 1.02 -0.15	16.21 0.98 -0.18	16.79 1.00 0.00	18.63 1.07 0.00	22.24 1.40 0.00	23.99 1.55 0.00	24.01 1.55 0.00	24.02 1.49 0.00	24.08 1.55 0.00	24.08 1.47 0.00	25.22 1.45 0.00	28.42 1.56 0.00	30.29 1.82 0.00	31.38 2.11 0.00	34.51 2.20 0.00	43.46 3.05 -1.80	45.01 2.94 -0.03	40.14 2.52 -0.03	35.64 2.03 -2.82	31.83 1.91 -1.43	28.29 1.55 0.00	24.25 1.22 0.00
PGE MADISON__WINDPWR 24146	20.39 1.72 0.00	17.65 1.20 0.00	16.54 1.01 -0.05	16.30 1.19 -0.07	17.13 1.33 0.00	19.16 1.60 0.00	22.87 2.02 0.00	24.79 2.36 0.00	24.57 2.11 0.00	24.85 2.32 0.00	24.85 2.32 0.00	24.98 2.37 0.00	26.57 2.54 -0.25	30.46 3.06 -0.53	32.65 3.53 -0.65	33.72 3.72 -0.73	37.69 4.39 -0.99	46.17 5.40 -2.15	50.18 6.35 -1.79	44.20 5.53 -1.08	37.16 4.56 -1.81	33.39 3.79 -1.11	30.47 3.29 -0.44	25.87 2.83 0.00
PIERCEFIELD__HYD 23852	18.15 -0.52 0.00	15.94 -0.51 0.00	14.99 -0.50 0.00	14.59 -0.45 0.00	15.34 -0.46 0.00	16.96 -0.60 0.00	20.16 -0.69 0.00	21.86 -0.58 0.00	21.88 -0.58 0.00	21.85 -0.68 0.00	21.54 -0.99 0.00	21.50 -1.11 0.00	22.75 -1.14 -0.12	25.70 -1.42 -0.26	27.10 -1.68 -0.31	27.86 -1.76 -0.35	30.13 -2.65 -0.47	36.28 -3.05 -0.72	39.91 -2.98 -0.85	34.97 -3.12 -0.50	29.46 -1.69 -0.37	28.14 -0.63 -0.28	26.65 -0.29 -0.20	22.73 -0.30 0.00
PINELAWN_CC_1 323563	19.57 0.90 0.00	17.58 1.13 0.00	16.69 1.05 -0.15	16.21 0.98 -0.19	16.78 0.98 0.00	18.70 1.14 0.00	22.28 1.44 0.00	24.03 1.59 0.00	23.94 1.48 0.00	23.77 1.24 0.00	23.93 1.40 0.00	23.97 1.36 0.00	24.72 0.95 0.00	27.77 0.91 0.01	29.78 1.31 0.00	30.96 1.70 0.00	34.05 1.74 0.00	42.90 2.47 -1.82	44.33 2.27 -0.02	39.45 1.84 -0.02	35.15 1.51 -2.85	31.50 1.57 -1.44	28.07 1.34 0.00	25.81 1.86 -0.91
PJM_GEN_HTP_PROXY 323702	19.64 0.97 0.00	17.55 1.10 0.00	16.74 1.10 -0.15	16.28 1.05 -0.19	16.86 1.06 0.00	18.70 1.14 0.00	22.35 1.50 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.34 1.57 0.00	28.59 1.72 0.00	30.46 1.99 0.00	31.52 2.25 0.00	34.60 2.29 0.00	43.71 3.28 -1.82	45.22 3.15 -0.03	40.25 2.63 -0.03	35.73 2.09 -2.85	31.96 2.02 -1.44	28.40 1.66 0.00	24.34 1.31 0.00
PJM_GEN_KEystone 24065	19.30 0.64 0.00	17.09 0.64 0.00	16.04 0.46 -0.09	15.61 0.45 -0.12	16.29 0.49 0.00	18.19 0.63 0.00	21.51 0.67 0.00	23.27 0.83 0.00	23.38 0.92 0.00	23.52 0.99 0.00	23.50 0.97 0.00	23.58 0.97 0.00	24.86 1.00 -0.09	28.18 1.13 -0.19	30.03 1.34 -0.23	31.08 1.55 -0.26	34.50 1.84 -0.35	42.50 2.24 -1.65	45.08 2.40 -0.65	40.24 2.26 -0.40	34.34 1.51 -2.05	30.77 1.17 -1.10	27.83 0.94 -0.16	24.00 0.97 0.00
PJM_GEN_NEPTUNE_PROXY 323594	19.40 0.73 0.00	17.38 0.94 0.00	16.52 0.88 -0.15	16.06 0.83 -0.19	16.62 0.82 0.00	18.49 0.93 0.00	22.20 1.35 0.00	23.97 1.53 0.00	23.94 1.48 0.00	23.81 1.28 0.00	23.99 1.46 0.00	24.01 1.40 0.00	24.84 1.07 0.00	27.96 1.10 0.01	29.83 1.37 0.00	30.94 1.67 0.00	33.99 1.68 0.00	42.90 2.47 -1.82	44.33 2.27 -0.02	39.45 1.84 -0.02	34.96 1.32 -2.85	31.39 1.45 -1.44	27.73 0.99 0.00	24.99 1.57 -0.39
PJM_GEN_VFT_PROXY 323633	19.58 0.91 0.00	17.50 1.05 0.00	16.69 1.05 -0.15	16.24 1.01 -0.19	16.81 1.01 0.00	18.67 1.11 0.00	22.31 1.46 0.00	24.08 1.64 0.00	24.08 1.62 0.00	24.08 1.55 0.00	24.11 1.58 0.00	24.08 1.47 0.00	25.22 1.45 0.00	28.48 1.61 0.00	30.29 1.82 0.00	31.38 2.11 0.00	34.35 2.04 0.00	43.44 3.01 -1.82	44.89 2.82 -0.03	39.99 2.37 -0.03	35.51 1.88 -2.85	31.82 1.88 -1.44	28.29 1.55 0.00	24.23 1.20 0.00
PLATSBURG_115KV_PMLD1 355749	18.61 -0.06 0.00	16.28 -0.16 0.00	15.30 -0.19 0.00	14.86 -0.18 0.00	15.61 -0.19 0.00	17.28 -0.28 0.00	20.66 -0.19 0.00	22.53 0.09 0.00	22.57 0.11 0.00	22.76 0.23 0.00	22.80 0.27 0.00	22.93 0.32 0.00	24.15 0.38 0.00	27.21 0.35 0.00	28.72 0.26 0.00	29.56 0.29 0.00	32.44 0.13 0.00	38.69 0.08 0.00	42.46 0.42 0.00	37.47 -0.11 0.00	31.09 0.31 0.00	28.92 0.43 0.00	27.33 0.59 0.00	23.45 0.41 0.00
PLEASANTVLY__LBMP 24000	19.47 0.80 0.00	17.42 0.97 0.00	16.62 0.98 -0.16	16.17 0.93 -0.20	16.75 0.95 0.00	18.58 1.02 0.00	22.14 1.29 0.00	23.81 1.37 0.00	23.88 1.42 0.00	23.86 1.33 0.00	23.88 1.35 0.00	23.90 1.29 0.00	25.08 1.31 0.00	28.37 1.50 0.00	30.26 1.79 0.00	31.17 1.90 0.00	34.47 2.16 0.00	43.37 2.86 -1.90	44.85 2.77 -0.03	40.02 2.41 -0.03	35.74 1.97 -2.98	31.86 1.85 -1.51	28.26 1.52 0.00	24.14 1.11 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	19.58 0.91 0.00	17.53 1.09 0.00	16.71 1.07 -0.15	16.26 1.02 -0.19	16.84 1.04 0.00	18.69 1.12 0.00	22.31 1.46 0.00	24.01 1.57 0.00	24.08 1.62 0.00	24.11 1.58 0.00	24.11 1.58 0.00	24.10 1.49 0.00	25.32 1.55 0.00	28.61 1.75 0.00	30.57 2.11 0.00	31.49 2.22 0.00	34.80 2.49 0.00	43.72 3.28 -1.83	45.31 3.24 -0.03	40.36 2.74 -0.03	35.90 2.25 -2.87	32.06 2.11 -1.45	28.48 1.74 0.00	24.28 1.24 0.00



PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	19.58 0.91 0.00	17.53 1.09 0.00	16.71 1.07 -0.15	16.26 1.02 -0.19	16.84 1.04 0.00	18.69 1.12 0.00	22.31 1.46 0.00	24.01 1.57 0.00	24.08 1.62 0.00	24.11 1.58 0.00	24.11 1.58 0.00	24.10 1.49 0.00	25.32 1.55 0.00	28.61 1.75 0.00	30.57 2.11 0.00	31.49 2.22 0.00	34.80 2.49 0.00	43.72 3.28 -1.83	45.31 3.24 -0.03	40.36 2.74 -0.03	35.90 2.25 -2.87	32.06 2.11 -1.45	28.48 1.74 0.00	24.28 1.24 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	19.55 0.88 0.00	17.48 1.04 0.00	16.66 1.02 -0.16	16.23 0.99 -0.19	16.81 1.01 0.00	18.65 1.09 0.00	22.24 1.40 0.00	23.94 1.50 0.00	23.92 1.46 0.00	23.90 1.37 0.00	23.93 1.40 0.00	23.92 1.31 0.00	25.10 1.33 0.00	28.37 1.50 0.00	30.29 1.82 0.00	31.20 1.93 0.00	34.67 2.36 0.00	43.71 3.20 -1.89	45.14 3.07 -0.03	40.32 2.71 -0.03	35.94 2.19 -2.97	32.08 2.08 -1.50	28.42 1.68 0.00	24.30 1.27 0.00
POLETTI____ 23519	19.64 0.97 0.00	17.55 1.10 0.00	16.74 1.10 -0.15	16.28 1.05 -0.19	16.86 1.06 0.00	18.70 1.14 0.00	22.33 1.48 0.00	24.05 1.62 0.00	24.15 1.68 0.00	24.17 1.64 0.00	24.13 1.60 0.00	24.10 1.49 0.00	25.32 1.55 0.00	28.64 1.77 0.00	30.60 2.13 0.00	31.49 2.22 0.00	34.73 2.42 0.00	43.75 3.32 -1.82	45.31 3.24 -0.03	40.29 2.67 -0.03	35.79 2.15 -2.85	32.02 2.08 -1.44	28.53 1.79 0.00	24.28 1.24 0.00
PORT_JEFF_3 23555	19.53 0.86 0.00	17.60 1.15 0.00	16.69 1.05 -0.15	16.22 0.99 -0.19	16.76 0.96 0.00	18.69 1.12 0.00	22.49 1.65 0.00	24.28 1.84 0.00	24.21 1.75 0.00	23.99 1.46 0.00	24.13 1.60 0.00	24.17 1.56 0.00	24.96 1.19 0.00	28.04 1.18 0.01	30.09 1.62 0.00	31.26 1.99 0.00	34.47 2.16 0.00	43.36 2.93 -1.82	44.79 2.73 -0.02	39.86 2.26 -0.02	35.52 1.88 -2.85	31.79 1.85 -1.44	28.10 1.36 0.00	25.79 1.84 -0.91
PORT_JEFF_4 23616	19.53 0.86 0.00	17.60 1.15 0.00	16.69 1.05 -0.15	16.22 0.99 -0.19	16.76 0.96 0.00	18.69 1.12 0.00	22.49 1.65 0.00	24.28 1.84 0.00	24.21 1.75 0.00	23.99 1.46 0.00	24.13 1.60 0.00	24.17 1.56 0.00	24.96 1.19 0.00	28.04 1.18 0.01	30.09 1.62 0.00	31.26 1.99 0.00	34.47 2.16 0.00	43.36 2.93 -1.82	44.79 2.73 -0.02	39.86 2.26 -0.02	35.52 1.88 -2.85	31.79 1.85 -1.44	28.10 1.36 0.00	25.79 1.84 -0.91
PORT_JEFF_IC 23713	19.57 0.90 0.00	17.63 1.18 0.00	16.72 1.08 -0.15	16.26 1.02 -0.19	16.79 1.00 0.00	18.72 1.16 0.00	22.53 1.69 0.00	24.32 1.89 0.00	24.26 1.80 0.00	24.04 1.51 0.00	24.17 1.64 0.00	24.22 1.61 0.00	25.01 1.24 0.00	28.07 1.21 0.01	30.15 1.68 0.00	31.35 2.08 0.00	34.57 2.26 0.00	43.28 2.86 -1.82	44.71 2.65 -0.02	39.75 2.14 -0.02	35.58 1.94 -2.85	31.85 1.91 -1.44	28.15 1.42 0.00	25.83 1.89 -0.91
PPL PILGRIM_ST_GT1 24216	19.60 0.93 0.00	17.63 1.18 0.00	16.72 1.08 -0.15	16.24 1.01 -0.19	16.81 1.01 0.00	18.74 1.18 0.00	22.52 1.67 0.00	24.30 1.86 0.00	24.26 1.80 0.00	24.06 1.53 0.00	24.22 1.69 0.00	24.26 1.65 0.00	25.03 1.26 0.00	28.12 1.26 0.01	30.17 1.71 0.00	31.38 2.11 0.00	34.57 2.26 0.00	43.59 3.17 -1.82	45.05 2.99 -0.02	40.09 2.48 -0.02	35.61 1.97 -2.85	31.85 1.91 -1.44	28.15 1.42 0.00	25.88 1.94 -0.91
PPL PILGRIM_ST_GT2 24217	19.60 0.93 0.00	17.63 1.18 0.00	16.72 1.08 -0.15	16.24 1.01 -0.19	16.81 1.01 0.00	18.74 1.18 0.00	22.52 1.67 0.00	24.30 1.86 0.00	24.26 1.80 0.00	24.06 1.53 0.00	24.22 1.69 0.00	24.26 1.65 0.00	25.03 1.26 0.00	28.12 1.26 0.01	30.17 1.71 0.00	31.38 2.11 0.00	34.57 2.26 0.00	43.59 3.17 -1.82	45.05 2.99 -0.02	40.09 2.48 -0.02	35.61 1.97 -2.85	31.85 1.91 -1.44	28.15 1.42 0.00	25.88 1.94 -0.91
PPL_SHRM_GT3 24213	19.28 0.62 0.00	17.43 0.99 0.00	16.54 0.90 -0.15	16.06 0.83 -0.19	16.56 0.76 0.00	18.47 0.91 0.00	22.28 1.44 0.00	24.06 1.62 0.00	23.97 1.51 0.00	23.68 1.15 0.00	23.72 1.19 0.00	23.76 1.15 0.00	24.51 0.74 0.00	27.55 0.70 0.01	29.63 1.17 0.00	30.82 1.55 0.00	34.02 1.71 0.00	42.97 2.55 -1.82	44.42 2.35 -0.02	39.49 1.88 -0.02	35.15 1.51 -2.85	31.42 1.48 -1.44	27.75 1.02 0.00	25.44 1.50 -0.91
PPL_SHRM_GT4 24214	19.28 0.62 0.00	17.43 0.99 0.00	16.54 0.90 -0.15	16.06 0.83 -0.19	16.56 0.76 0.00	18.47 0.91 0.00	22.28 1.44 0.00	24.06 1.62 0.00	23.97 1.51 0.00	23.68 1.15 0.00	23.72 1.19 0.00	23.76 1.15 0.00	24.51 0.74 0.00	27.55 0.70 0.01	29.63 1.17 0.00	30.82 1.55 0.00	34.02 1.71 0.00	42.97 2.55 -1.82	44.42 2.35 -0.02	39.49 1.88 -0.02	35.15 1.51 -2.85	31.42 1.48 -1.44	27.75 1.02 0.00	25.44 1.50 -0.91
PROJECT____ORANGE 1 24174	18.74 0.07 0.00	16.45 0.00 0.00	15.47 -0.03 -0.01	15.03 -0.03 -0.02	15.78 -0.02 0.00	17.63 0.07 0.00	20.89 0.04 0.00	22.51 0.07 0.00	22.53 0.07 0.00	22.64 0.11 0.00	22.64 0.11 0.00	22.75 0.14 0.00	24.25 0.17 -0.31	27.71 0.19 -0.65	29.50 0.23 -0.81	30.46 0.29 -0.90	33.99 0.45 -1.22	41.04 0.42 -2.01	44.79 0.55 -2.21	39.48 0.56 -1.33	32.35 0.34 -1.22	29.46 0.11 -0.85	27.31 0.03 -0.55	23.15 0.12 0.00
PROJECT____ORANGE 2 24166	18.74 0.07 0.00	16.45 0.00 0.00	15.47 -0.03 -0.01	15.03 -0.03 -0.02	15.78 -0.02 0.00	17.63 0.07 0.00	20.89 0.04 0.00	22.51 0.07 0.00	22.53 0.07 0.00	22.64 0.11 0.00	22.64 0.11 0.00	22.75 0.14 0.00	24.25 0.17 -0.31	27.71 0.19 -0.65	29.50 0.23 -0.81	30.46 0.29 -0.90	33.99 0.45 -1.22	41.04 0.42 -2.01	44.79 0.55 -2.21	39.48 0.56 -1.33	32.35 0.34 -1.22	29.46 0.11 -0.85	27.31 0.03 -0.55	23.15 0.12 0.00
PUCKETT____SOLAR 323809	19.51 0.84 0.00	17.09 0.64 0.00	16.04 0.50 -0.05	15.67 0.56 -0.07	16.43 0.63 0.00	18.35 0.79 0.00	21.76 0.92 0.00	23.49 1.05 0.00	23.43 0.97 0.00	23.52 0.99 0.00	23.45 0.92 0.00	23.56 0.95 0.00	25.02 1.02 -0.22	28.55 1.21 -0.47	30.47 1.42 -0.58	31.50 1.58 -0.65	35.23 2.04 -0.88	43.10 2.47 -2.02	46.62 2.99 -1.60	41.37 2.82 -0.97	34.68 2.12 -1.77	31.24 1.68 -1.07	28.55 1.42 -0.40	24.32 1.29 0.00
PYRITES____HYD 24023	18.39 -0.28 0.00	16.07 -0.38 0.00	15.11 -0.37 0.00	14.76 -0.29 0.00	15.50 -0.30 0.00	17.14 -0.42 0.00	20.37 -0.48 0.00	22.12 -0.31 0.00	22.04 -0.43 0.00	22.12 -0.41 0.00	21.90 -0.63 0.00	21.91 -0.70 0.00	23.17 -0.71 -0.11	26.19 -0.91 -0.23	27.61 -1.14 -0.28	28.36 -1.23 -0.32	30.64 -2.10 -0.43	36.83 -2.43 -0.66	40.59 -2.23 -0.78	35.56 -2.48 -0.46	29.89 -1.23 -0.34	28.49 -0.26 -0.25	26.92 0.00 -0.19	22.96 -0.07 0.00
QUAKERRD_115KV_BK1 80622	18.50 -0.17 0.00	16.20 -0.25 0.00	15.19 -0.31 -0.02	14.69 -0.38 -0.02	15.42 -0.38 0.00	17.32 -0.25 0.00	20.33 -0.52 0.00	22.08 -0.36 0.00	22.15 -0.31 0.00	22.30 -0.23 0.00	22.37 -0.16 0.00	22.54 -0.07 0.00	23.82 0.05 0.00	26.86 0.00 0.00	28.55 0.09 0.00	29.47 0.20 0.00	32.79 0.48 0.00	39.16 0.35 -0.21	42.67 0.63 0.00	38.42 0.83 0.00	31.45 0.34 -0.32	28.52 -0.14 -0.16	26.58 -0.16 0.00	23.10 0.07 0.00



QUENSBRY_I15KV_TB8 356137	20.00 1.33 0.00	17.80 1.35 0.00	16.96 1.27 -0.20	16.53 1.23 -0.25	17.09 1.30 0.00	18.97 1.40 0.00	22.62 1.77 0.00	24.30 1.86 0.00	24.39 1.93 0.00	24.31 1.78 0.00	24.24 1.71 0.00	24.33 1.72 0.00	25.75 1.97 0.00	28.56 1.69 0.00	30.20 1.74 0.00	31.05 1.79 0.00	34.57 2.26 0.00	47.44 3.47 -5.35	46.12 3.99 -0.09	41.29 3.61 -0.09	42.05 2.86 -8.40	35.17 2.42 -4.25	28.61 1.87 0.00	25.04 2.00 0.00
RAMAPO____LBMP 323565	19.53 0.86 0.00	17.45 1.00 0.00	16.61 0.98 -0.15	16.16 0.93 -0.18	16.76 0.96 0.00	18.60 1.04 0.00	22.20 1.36 0.00	23.90 1.46 0.00	23.99 1.53 0.00	23.99 1.46 0.00	23.99 1.46 0.00	24.01 1.40 0.00	25.20 1.43 0.00	28.48 1.61 0.00	30.40 1.94 0.00	31.35 2.08 0.00	34.63 2.33 0.00	43.44 3.09 -1.74	45.05 2.98 -0.03	40.17 2.56 -0.03	35.59 2.06 -2.74	31.82 1.94 -1.38	28.34 1.60 0.00	24.21 1.17 0.00
RANKINE____ 23646	19.32 0.65 0.00	16.87 0.43 0.00	15.56 0.05 -0.03	14.99 -0.09 -0.03	15.85 0.05 0.00	17.91 0.35 0.00	20.78 -0.06 0.00	22.73 0.29 0.00	22.93 0.47 0.00	23.30 0.77 0.00	23.41 0.88 0.00	23.63 1.02 0.00	24.80 1.02 0.00	27.94 1.07 0.00	29.78 1.31 0.00	30.91 1.64 0.00	34.51 2.20 0.00	41.08 2.16 -0.31	44.65 2.61 -0.01	40.60 3.01 -0.01	32.97 1.69 -0.49	29.57 0.83 -0.25	27.49 0.75 0.00	24.44 1.40 0.00
RAVENSWOOD_GT2_1 24244	19.64 0.97 0.00	17.57 1.12 0.00	16.75 1.12 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.35 1.50 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.34 1.57 0.00	28.61 1.75 0.00	30.46 1.99 0.00	31.55 2.28 0.00	34.60 2.29 0.00	43.71 3.28 -1.82	45.22 3.15 -0.03	40.25 2.63 -0.03	35.73 2.09 -2.85	31.99 2.05 -1.44	28.42 1.69 0.00	24.37 1.34 0.00
RAVENSWOOD_GT2_2 24245	19.64 0.97 0.00	17.57 1.12 0.00	16.75 1.12 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.35 1.50 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.34 1.57 0.00	28.61 1.75 0.00	30.46 1.99 0.00	31.55 2.28 0.00	34.60 2.29 0.00	43.71 3.28 -1.82	45.22 3.15 -0.03	40.25 2.63 -0.03	35.73 2.09 -2.85	31.99 2.05 -1.44	28.42 1.69 0.00	24.37 1.34 0.00
RAVENSWOOD_GT2_3 24246	19.66 0.99 0.00	17.57 1.12 0.00	16.75 1.12 -0.15	16.30 1.07 -0.19	16.89 1.09 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.22 1.61 0.00	25.34 1.57 0.00	28.61 1.75 0.00	30.46 1.99 0.00	31.55 2.28 0.00	34.60 2.29 0.00	43.71 3.28 -1.82	45.26 3.19 -0.03	40.25 2.63 -0.03	35.76 2.12 -2.85	31.99 2.05 -1.44	28.42 1.69 0.00	24.37 1.34 0.00
RAVENSWOOD_GT2_4 24247	19.66 0.99 0.00	17.57 1.12 0.00	16.75 1.12 -0.15	16.30 1.07 -0.19	16.89 1.09 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.22 1.61 0.00	25.34 1.57 0.00	28.61 1.75 0.00	30.46 1.99 0.00	31.55 2.28 0.00	34.60 2.29 0.00	43.71 3.28 -1.82	45.26 3.19 -0.03	40.25 2.63 -0.03	35.76 2.12 -2.85	31.99 2.05 -1.44	28.42 1.69 0.00	24.37 1.34 0.00
RAVENSWOOD_GT3_1 24248	19.64 0.97 0.00	17.57 1.12 0.00	16.75 1.12 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.35 1.50 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.34 1.57 0.00	28.61 1.75 0.00	30.46 1.99 0.00	31.55 2.28 0.00	34.60 2.29 0.00	43.71 3.28 -1.82	45.22 3.15 -0.03	40.25 2.63 -0.03	35.73 2.09 -2.85	31.99 2.05 -1.44	28.42 1.69 0.00	24.37 1.34 0.00
RAVENSWOOD_GT3_2 24249	19.64 0.97 0.00	17.57 1.12 0.00	16.75 1.12 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.35 1.50 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.34 1.57 0.00	28.61 1.75 0.00	30.46 1.99 0.00	31.55 2.28 0.00	34.60 2.29 0.00	43.71 3.28 -1.82	45.22 3.15 -0.03	40.25 2.63 -0.03	35.73 2.09 -2.85	31.99 2.05 -1.44	28.42 1.69 0.00	24.37 1.34 0.00
RAVENSWOOD_GT3_3 24250	19.66 0.99 0.00	17.58 1.13 0.00	16.77 1.13 -0.15	16.32 1.08 -0.19	16.89 1.09 0.00	18.74 1.18 0.00	22.39 1.54 0.00	24.12 1.68 0.00	24.21 1.75 0.00	24.24 1.71 0.00	24.20 1.67 0.00	24.19 1.58 0.00	25.39 1.62 0.00	28.75 1.88 0.00	30.69 2.22 0.00	31.58 2.31 0.00	34.86 2.55 0.00	43.90 3.47 -1.82	45.48 3.41 -0.03	40.44 2.82 -0.03	35.95 2.31 -2.85	32.13 2.19 -1.44	28.61 1.87 0.00	24.35 1.31 0.00
RAVENSWOOD_GT3_4 24251	19.66 0.99 0.00	17.58 1.13 0.00	16.77 1.13 -0.15	16.32 1.08 -0.19	16.89 1.09 0.00	18.74 1.18 0.00	22.39 1.54 0.00	24.14 1.70 0.00	24.19 1.73 0.00	24.20 1.67 0.00	24.24 1.71 0.00	24.24 1.63 0.00	25.37 1.59 0.00	28.64 1.77 0.00	30.49 2.02 0.00	31.58 2.31 0.00	34.64 2.33 0.00	43.78 3.36 -1.82	45.31 3.24 -0.03	40.29 2.67 -0.03	35.79 2.15 -2.85	32.02 2.08 -1.44	28.45 1.71 0.00	24.39 1.36 0.00
RAVENSWOOD_GT_1 23729	19.68 1.01 0.00	17.60 1.15 0.00	16.78 1.15 -0.15	16.35 1.11 -0.19	16.92 1.12 0.00	18.70 1.14 0.00	22.33 1.48 0.00	24.08 1.64 0.00	24.12 1.66 0.00	24.15 1.62 0.00	24.20 1.67 0.00	24.17 1.56 0.00	25.32 1.54 0.00	28.61 1.75 0.00	30.46 1.99 0.00	31.55 2.28 0.00	34.57 2.26 0.00	43.67 3.24 -1.82	45.26 3.19 -0.03	40.17 2.56 -0.03	35.70 2.06 -2.85	31.96 2.02 -1.44	28.42 1.69 0.00	24.39 1.36 0.00
RAVENSWOOD_GT_10 24258	19.64 0.97 0.00	17.56 1.12 0.00	16.75 1.11 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.35 1.50 0.00	24.08 1.64 0.00	24.19 1.73 0.00	24.20 1.67 0.00	24.17 1.64 0.00	24.17 1.56 0.00	25.37 1.59 0.00	28.72 1.85 0.00	30.66 2.19 0.00	31.55 2.28 0.00	34.80 2.49 0.00	43.82 3.40 -1.82	45.39 3.32 -0.03	40.40 2.78 -0.03	35.88 2.25 -2.85	32.07 2.14 -1.44	28.58 1.84 0.00	24.32 1.29 0.00
RAVENSWOOD_GT_11 24259	19.64 0.97 0.00	17.57 1.12 0.00	16.75 1.12 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.35 1.50 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.34 1.57 0.00	28.61 1.75 0.00	30.46 1.99 0.00	31.55 2.28 0.00	34.60 2.29 0.00	43.71 3.28 -1.82	45.22 3.15 -0.03	40.25 2.63 -0.03	35.76 2.12 -2.85	31.99 2.05 -1.44	28.42 1.69 0.00	24.37 1.34 0.00
RAVENSWOOD_GT_4 24252	19.64 0.97 0.00	17.56 1.12 0.00	16.75 1.11 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.10 1.66 0.00	24.19 1.73 0.00	24.22 1.69 0.00	24.17 1.64 0.00	24.17 1.56 0.00	25.39 1.62 0.00	28.72 1.85 0.00	30.66 2.19 0.00	31.58 2.31 0.00	34.83 2.52 0.00	43.86 3.44 -1.82	45.43 3.36 -0.03	40.40 2.78 -0.03	35.92 2.28 -2.85	32.10 2.17 -1.44	28.58 1.84 0.00	24.35 1.31 0.00



RAVENSWOOD_GT_5 24254	19.64 0.97 0.00	17.56 1.12 0.00	16.75 1.11 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.10 1.66 0.00	24.19 1.73 0.00	24.22 1.69 0.00	24.17 1.64 0.00	24.17 1.56 0.00	25.39 1.62 0.00	28.72 1.85 0.00	30.66 2.19 0.00	31.58 2.31 0.00	34.83 2.52 0.00	43.86 3.44 -1.82	45.43 3.36 -0.03	40.40 2.78 -0.03	35.92 2.28 -2.85	32.10 2.17 -1.44	28.58 1.84 0.00	24.35 1.31 0.00
RAVENSWOOD_GT_6 24253	19.64 0.97 0.00	17.56 1.12 0.00	16.75 1.11 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.10 1.66 0.00	24.19 1.73 0.00	24.22 1.69 0.00	24.17 1.64 0.00	24.17 1.56 0.00	25.39 1.62 0.00	28.72 1.85 0.00	30.66 2.19 0.00	31.58 2.31 0.00	34.83 2.52 0.00	43.86 3.44 -1.82	45.43 3.36 -0.03	40.40 2.78 -0.03	35.92 2.28 -2.85	32.10 2.17 -1.44	28.58 1.84 0.00	24.35 1.31 0.00
RAVENSWOOD_GT_7 24255	19.64 0.97 0.00	17.56 1.12 0.00	16.75 1.11 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.10 1.66 0.00	24.19 1.73 0.00	24.22 1.69 0.00	24.17 1.64 0.00	24.17 1.56 0.00	25.39 1.62 0.00	28.72 1.85 0.00	30.66 2.19 0.00	31.58 2.31 0.00	34.83 2.52 0.00	43.86 3.44 -1.82	45.43 3.36 -0.03	40.40 2.78 -0.03	35.92 2.28 -2.85	32.10 2.17 -1.44	28.58 1.84 0.00	24.35 1.31 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	19.64 0.97 0.00	17.56 1.12 0.00	16.75 1.11 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.35 1.50 0.00	24.08 1.64 0.00	24.19 1.73 0.00	24.20 1.67 0.00	24.17 1.64 0.00	24.17 1.56 0.00	25.37 1.59 0.00	28.72 1.85 0.00	30.66 2.19 0.00	31.55 2.28 0.00	34.80 2.49 0.00	43.82 3.40 -1.82	45.39 3.32 -0.03	40.40 2.78 -0.03	35.88 2.25 -2.85	32.07 2.14 -1.44	28.58 1.84 0.00	24.32 1.29 0.00
RAVENSWOOD_GT_9 24257	19.64 0.97 0.00	17.57 1.12 0.00	16.75 1.12 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.35 1.50 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.34 1.57 0.00	28.61 1.75 0.00	30.46 1.99 0.00	31.55 2.28 0.00	34.60 2.29 0.00	43.71 3.28 -1.82	45.22 3.15 -0.03	40.25 2.63 -0.03	35.76 2.12 -2.85	31.99 2.05 -1.44	28.42 1.69 0.00	24.37 1.34 0.00
RAVENSWOOD___1 23533	19.66 0.99 0.00	17.58 1.13 0.00	16.78 1.15 -0.15	16.33 1.10 -0.19	16.90 1.11 0.00	18.70 1.14 0.00	22.31 1.46 0.00	24.06 1.62 0.00	24.12 1.66 0.00	24.13 1.60 0.00	24.20 1.67 0.00	24.17 1.56 0.00	25.32 1.54 0.00	28.59 1.72 0.00	30.43 1.96 0.00	31.52 2.25 0.00	34.54 2.23 0.00	43.67 3.24 -1.82	45.26 3.19 -0.03	40.14 2.52 -0.03	35.67 2.03 -2.85	31.96 2.02 -1.44	28.42 1.69 0.00	24.37 1.34 0.00
RAVENSWOOD___2 23534	19.66 0.99 0.00	17.58 1.13 0.00	16.77 1.13 -0.15	16.33 1.10 -0.19	16.90 1.11 0.00	18.69 1.12 0.00	22.31 1.46 0.00	24.03 1.59 0.00	24.10 1.64 0.00	24.11 1.58 0.00	24.17 1.64 0.00	24.15 1.54 0.00	25.30 1.52 0.00	28.59 1.72 0.00	30.40 1.94 0.00	31.52 2.25 0.00	34.51 2.20 0.00	43.63 3.20 -1.82	45.22 3.15 -0.03	40.10 2.48 -0.03	35.67 2.03 -2.85	31.93 1.99 -1.44	28.40 1.66 0.00	24.37 1.34 0.00
RAVENSWOOD___3 23535	19.64 0.97 0.00	17.57 1.12 0.00	16.75 1.12 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.72 1.16 0.00	22.37 1.52 0.00	24.12 1.68 0.00	24.17 1.71 0.00	24.17 1.64 0.00	24.22 1.69 0.00	24.19 1.58 0.00	25.34 1.57 0.00	28.61 1.75 0.00	30.46 1.99 0.00	31.55 2.28 0.00	34.60 2.29 0.00	43.71 3.28 -1.82	45.22 3.15 -0.03	40.25 2.63 -0.03	35.76 2.12 -2.85	31.99 2.05 -1.44	28.42 1.69 0.00	24.37 1.34 0.00
RAVENSWOOD___4 23820	19.66 0.99 0.00	17.57 1.12 0.00	16.77 1.13 -0.15	16.32 1.08 -0.19	16.89 1.09 0.00	18.69 1.12 0.00	22.31 1.46 0.00	24.03 1.59 0.00	24.10 1.64 0.00	24.11 1.58 0.00	24.17 1.64 0.00	24.15 1.54 0.00	25.30 1.52 0.00	28.56 1.69 0.00	30.40 1.94 0.00	31.49 2.22 0.00	34.51 2.20 0.00	43.63 3.20 -1.82	45.22 3.15 -0.03	40.10 2.48 -0.03	35.67 2.03 -2.85	31.93 1.99 -1.44	28.40 1.66 0.00	24.34 1.31 0.00
RCPL_TRUST___DRP 24196	19.66 0.99 0.00	17.58 1.13 0.00	16.75 1.11 -0.15	16.32 1.08 -0.19	16.89 1.09 0.00	18.74 1.18 0.00	22.39 1.54 0.00	24.14 1.71 0.00	24.24 1.77 0.00	24.24 1.71 0.00	24.22 1.69 0.00	24.22 1.61 0.00	25.41 1.64 0.00	28.77 1.91 0.00	30.72 2.25 0.00	31.61 2.34 0.00	34.89 2.58 0.00	43.94 3.51 -1.82	45.52 3.45 -0.03	40.47 2.86 -0.03	35.95 2.31 -2.85	32.13 2.19 -1.44	28.61 1.87 0.00	24.35 1.31 0.00
RED___ROCHESTER 323720	19.08 0.41 0.00	16.73 0.28 0.00	15.68 0.17 -0.02	15.08 0.02 -0.02	15.88 0.08 0.00	17.88 0.32 0.00	20.91 0.06 0.00	22.71 0.27 0.00	22.84 0.38 0.00	23.09 0.56 0.00	23.23 0.70 0.00	23.45 0.84 0.00	24.75 0.98 0.00	28.02 1.15 0.00	29.83 1.37 0.00	30.62 1.35 0.00	34.28 1.97 0.00	40.87 2.04 -0.21	44.74 2.69 0.00	40.18 2.59 0.00	32.69 1.57 -0.34	29.58 0.91 -0.17	27.62 0.88 0.00	24.12 1.08 0.00
REGAN___SOLAR 323812	20.69 2.02 0.00	18.03 1.58 0.00	17.15 1.44 -0.23	16.74 1.41 -0.28	17.30 1.50 0.00	19.27 1.70 0.00	23.04 2.19 0.00	24.70 2.27 0.00	24.66 2.20 0.00	24.51 1.98 0.00	24.42 1.89 0.00	24.58 1.97 0.00	26.08 2.31 0.00	29.55 2.69 0.00	31.45 2.99 0.00	32.55 3.28 0.00	36.41 4.10 0.00	49.19 5.56 -5.02	48.76 6.64 -0.09	43.72 6.05 -0.09	43.44 4.77 -7.88	36.53 4.04 -3.99	29.97 3.23 0.00	25.61 2.58 0.00
RENSSELAER___COGEN 23796	18.93 0.26 0.00	16.94 0.49 0.00	16.19 0.51 -0.19	15.80 0.51 -0.24	16.30 0.51 0.00	18.02 0.46 0.00	21.41 0.56 0.00	22.98 0.54 0.00	23.00 0.54 0.00	22.96 0.43 0.00	23.00 0.47 0.00	23.06 0.45 0.00	24.25 0.48 0.00	27.43 0.57 0.00	29.12 0.66 0.00	30.09 0.82 0.00	33.25 0.94 0.00	43.60 1.31 -3.68	43.41 1.30 -0.06	38.89 1.24 -0.06	37.51 0.96 -5.77	32.33 0.91 -2.92	27.35 0.62 0.00	23.52 0.48 0.00
REPUBLIC_115KV_BARTNBRK 55605	20.87 2.20 0.00	18.45 2.01 0.00	17.54 1.86 -0.20	17.10 1.81 -0.25	17.71 1.91 0.00	19.70 2.14 0.00	23.54 2.69 0.00	25.29 2.85 0.00	25.45 2.99 0.00	25.32 2.79 0.00	25.19 2.66 0.00	25.35 2.74 0.00	26.91 3.14 0.00	30.04 3.17 0.00	31.80 3.33 0.00	32.81 3.54 0.00	36.73 4.43 0.00	50.08 6.14 -5.34	49.28 7.15 -0.09	44.14 6.46 -0.09	44.33 5.17 -8.37	37.03 4.30 -4.24	30.11 3.37 0.00	26.23 3.20 0.00
REVERE_CPPR_DRP 24186	19.38 0.71 0.00	16.87 0.43 0.00	15.87 0.37 -0.01	15.48 0.42 -0.01	16.27 0.47 0.00	18.14 0.58 0.00	21.58 0.73 0.00	23.29 0.85 0.00	23.18 0.72 0.00	23.39 0.86 0.00	23.38 0.86 0.00	23.49 0.88 0.00	24.88 0.95 -0.16	28.39 1.18 -0.34	30.22 1.34 -0.42	31.23 1.49 -0.47	34.46 1.52 -0.63	41.66 2.08 -0.96	45.66 2.48 -1.14	40.42 2.14 -0.69	33.17 1.88 -0.51	30.41 1.54 -0.38	28.25 1.23 -0.28	24.09 1.06 0.00



REYNOLDS_115KV_TB3 80639	19.10 0.43 0.00	17.09 0.64 0.00	16.33 0.65 -0.20	15.92 0.63 -0.24	16.45 0.65 0.00	18.19 0.63 0.00	21.62 0.77 0.00	23.18 0.74 0.00	23.20 0.74 0.00	23.14 0.61 0.00	23.16 0.63 0.00	23.24 0.63 0.00	24.46 0.69 0.00	27.67 0.81 0.00	29.46 1.00 0.00	30.35 1.08 0.00	33.60 1.29 0.00	44.16 1.66 -3.89	43.79 1.68 -0.07	39.23 1.58 -0.07	38.12 1.23 -6.11	32.75 1.17 -3.09	27.59 0.86 0.00	23.70 0.67 0.00
RIVERBAY____ 323610	19.86 1.19 0.00	17.68 1.23 0.00	16.89 1.25 -0.15	16.45 1.22 -0.19	17.03 1.23 0.00	18.72 1.16 0.00	22.29 1.44 0.00	23.99 1.55 0.00	24.10 1.64 0.00	24.13 1.60 0.00	24.04 1.51 0.00	24.06 1.45 0.00	25.22 1.45 0.00	28.56 1.69 0.00	30.46 1.99 0.00	31.38 2.11 0.00	34.57 2.26 0.00	43.55 3.13 -1.82	45.22 3.15 -0.03	40.10 2.48 -0.03	35.67 2.03 -2.85	31.93 1.99 -1.44	28.48 1.74 0.00	24.37 1.34 0.00
RIVERSDE_115KV_TB3 55908	19.02 0.35 0.00	17.02 0.58 0.00	16.27 0.59 -0.20	15.86 0.57 -0.24	16.38 0.58 0.00	18.11 0.54 0.00	21.51 0.67 0.00	23.07 0.63 0.00	23.09 0.63 0.00	23.05 0.52 0.00	23.07 0.54 0.00	23.15 0.54 0.00	24.39 0.62 0.00	27.59 0.73 0.00	29.38 0.91 0.00	30.26 1.00 0.00	33.50 1.20 0.00	44.07 1.54 -3.91	43.70 1.60 -0.07	39.12 1.47 -0.07	38.06 1.14 -6.14	32.68 1.08 -3.10	27.49 0.75 0.00	23.61 0.58 0.00
ROARING____BROOK_WT_PWR 323790	18.37 -0.30 0.00	16.12 -0.33 0.00	15.13 -0.36 0.00	14.70 -0.35 0.00	15.45 -0.35 0.00	16.86 -0.70 0.00	20.08 -0.77 0.00	21.77 -0.67 0.00	21.90 -0.56 0.00	22.03 -0.50 0.00	22.05 -0.47 0.00	22.16 -0.45 0.00	23.30 -0.48 0.00	26.30 -0.57 0.00	27.81 -0.65 0.00	28.54 -0.73 0.00	31.31 -1.00 0.00	37.37 -1.24 0.00	40.74 -1.30 0.00	36.27 -1.32 0.00	30.02 -0.77 0.00	27.92 -0.57 0.00	26.31 -0.43 0.00	22.66 -0.37 0.00
ROCHESRG_115KV_T4 355643	18.89 0.22 0.00	16.56 0.12 0.00	15.50 0.00 -0.02	14.96 -0.11 -0.02	15.70 -0.09 0.00	17.69 0.12 0.00	20.68 -0.17 0.00	22.51 0.07 0.00	22.57 0.11 0.00	22.78 0.25 0.00	22.87 0.34 0.00	23.06 0.45 0.00	24.39 0.62 0.00	27.51 0.64 0.00	29.23 0.77 0.00	30.18 0.91 0.00	33.63 1.32 0.00	40.10 1.27 -0.21	43.77 1.72 0.00	39.47 1.88 0.00	32.23 1.11 -0.33	29.15 0.48 -0.17	27.22 0.48 0.00	23.70 0.67 0.00
ROCHESTER_9_IC 23652	18.99 0.32 0.00	16.66 0.21 0.00	15.58 0.08 -0.02	15.04 -0.03 -0.02	15.80 0.00 0.00	17.79 0.23 0.00	20.81 -0.04 0.00	22.66 0.22 0.00	22.73 0.27 0.00	22.96 0.43 0.00	23.02 0.50 0.00	23.24 0.63 0.00	24.58 0.81 0.00	27.72 0.86 0.00	29.46 1.00 0.00	30.41 1.14 0.00	33.92 1.62 0.00	40.44 1.62 -0.21	44.19 2.14 0.00	39.81 2.22 0.00	32.48 1.35 -0.34	29.38 0.71 -0.17	27.41 0.67 0.00	23.86 0.83 0.00
ROCKVIEW_13_KV_LD 356306	19.64 0.97 0.00	17.56 1.12 0.00	16.74 1.10 -0.15	16.30 1.07 -0.19	16.87 1.07 0.00	18.74 1.18 0.00	22.37 1.52 0.00	24.12 1.68 0.00	24.19 1.73 0.00	24.20 1.67 0.00	24.20 1.67 0.00	24.19 1.58 0.00	25.41 1.64 0.00	28.72 1.85 0.00	30.72 2.25 0.00	31.64 2.37 0.00	34.93 2.62 0.00	43.90 3.47 -1.82	45.52 3.45 -0.03	40.51 2.89 -0.03	36.01 2.37 -2.85	32.16 2.22 -1.44	28.58 1.84 0.00	24.35 1.31 0.00
ROME____115KV_TB2 80656	19.38 0.71 0.00	16.87 0.43 0.00	15.87 0.37 -0.01	15.48 0.42 -0.01	16.27 0.47 0.00	18.14 0.58 0.00	21.58 0.73 0.00	23.29 0.85 0.00	23.18 0.72 0.00	23.39 0.86 0.00	23.38 0.86 0.00	23.49 0.88 0.00	24.88 0.95 -0.16	28.39 1.18 -0.34	30.22 1.34 -0.42	31.23 1.49 -0.47	34.46 1.52 -0.63	41.66 2.08 -0.96	45.66 2.48 -1.14	40.42 2.14 -0.69	33.17 1.88 -0.51	30.41 1.54 -0.38	28.25 1.23 -0.28	24.09 1.06 0.00
ROSETON____1 23587	19.47 0.80 0.00	17.42 0.97 0.00	16.60 0.96 -0.15	16.16 0.93 -0.18	16.75 0.95 0.00	18.58 1.02 0.00	22.16 1.31 0.00	23.88 1.44 0.00	23.90 1.44 0.00	23.88 1.35 0.00	23.97 1.44 0.00	23.97 1.36 0.00	25.10 1.33 0.00	28.31 1.45 0.00	30.15 1.68 0.00	31.20 1.93 0.00	34.35 2.04 0.00	43.23 2.82 -1.80	44.76 2.69 -0.03	39.95 2.33 -0.03	35.49 1.88 -2.83	31.72 1.80 -1.43	28.15 1.42 0.00	24.18 1.15 0.00
ROSETON____2 23588	19.47 0.80 0.00	17.42 0.97 0.00	16.60 0.96 -0.15	16.16 0.93 -0.18	16.75 0.95 0.00	18.58 1.02 0.00	22.16 1.31 0.00	23.88 1.44 0.00	23.90 1.44 0.00	23.88 1.35 0.00	23.97 1.44 0.00	23.97 1.36 0.00	25.10 1.33 0.00	28.31 1.45 0.00	30.15 1.68 0.00	31.20 1.93 0.00	34.35 2.04 0.00	43.23 2.82 -1.80	44.76 2.69 -0.03	39.95 2.33 -0.03	35.49 1.88 -2.83	31.72 1.80 -1.43	28.15 1.42 0.00	24.18 1.15 0.00
ROTTDAM_115KV_TB3 80664	19.34 0.67 0.00	17.17 0.72 0.00	16.40 0.71 -0.20	15.99 0.69 -0.25	16.51 0.71 0.00	18.32 0.76 0.00	21.79 0.94 0.00	23.40 0.96 0.00	23.45 0.99 0.00	23.41 0.88 0.00	23.41 0.88 0.00	23.49 0.88 0.00	24.75 0.97 0.00	27.91 1.05 0.00	29.69 1.22 0.00	30.59 1.32 0.00	33.86 1.55 0.00	46.29 2.05 -5.63	44.36 2.23 -0.10	39.71 2.03 -0.10	41.26 1.63 -8.84	34.42 1.45 -4.47	27.86 1.12 0.00	23.98 0.94 0.00
RUSSELL____1 23602	19.08 0.41 0.00	16.73 0.28 0.00	15.66 0.15 -0.02	15.11 0.05 -0.02	15.88 0.08 0.00	17.88 0.32 0.00	20.91 0.06 0.00	22.78 0.34 0.00	22.84 0.38 0.00	23.07 0.54 0.00	23.16 0.63 0.00	23.38 0.77 0.00	24.75 0.97 0.00	27.91 1.05 0.00	29.66 1.20 0.00	30.61 1.35 0.00	34.18 1.87 0.00	40.75 1.93 -0.21	44.48 2.44 0.00	40.07 2.48 0.00	32.69 1.57 -0.34	29.55 0.88 -0.17	27.59 0.86 0.00	24.00 0.97 0.00
RUSSELL____2 23532	19.08 0.41 0.00	16.73 0.28 0.00	15.66 0.15 -0.02	15.11 0.05 -0.02	15.88 0.08 0.00	17.88 0.32 0.00	20.91 0.06 0.00	22.78 0.34 0.00	22.84 0.38 0.00	23.07 0.54 0.00	23.16 0.63 0.00	23.38 0.77 0.00	24.75 0.97 0.00	27.91 1.05 0.00	29.66 1.20 0.00	30.61 1.35 0.00	34.18 1.87 0.00	40.75 1.93 -0.21	44.48 2.44 0.00	40.07 2.48 0.00	32.69 1.57 -0.34	29.55 0.88 -0.17	27.59 0.86 0.00	24.00 0.97 0.00
RUSSELL____3 23549	19.08 0.41 0.00	16.73 0.28 0.00	15.66 0.15 -0.02	15.11 0.05 -0.02	15.88 0.08 0.00	17.88 0.32 0.00	20.91 0.06 0.00	22.78 0.34 0.00	22.84 0.38 0.00	23.07 0.54 0.00	23.16 0.63 0.00	23.38 0.77 0.00	24.75 0.97 0.00	27.91 1.05 0.00	29.66 1.20 0.00	30.61 1.35 0.00	34.18 1.87 0.00	40.75 1.93 -0.21	44.48 2.44 0.00	40.07 2.48 0.00	32.69 1.57 -0.34	29.55 0.88 -0.17	27.59 0.86 0.00	24.00 0.97 0.00
RUSSELL____4 23556	19.08 0.41 0.00	16.73 0.28 0.00	15.66 0.15 -0.02	15.11 0.05 -0.02	15.88 0.08 0.00	17.88 0.32 0.00	20.91 0.06 0.00	22.78 0.34 0.00	22.84 0.38 0.00	23.07 0.54 0.00	23.16 0.63 0.00	23.38 0.77 0.00	24.75 0.97 0.00	27.91 1.05 0.00	29.66 1.20 0.00	30.61 1.35 0.00	34.18 1.87 0.00	40.75 1.93 -0.21	44.48 2.44 0.00	40.07 2.48 0.00	32.69 1.57 -0.34	29.55 0.88 -0.17	27.59 0.86 0.00	24.00 0.97 0.00



RUSSELL___STATION 23914	19.08 0.41 0.00	16.73 0.28 0.00	15.66 0.15 -0.02	15.11 0.05 -0.02	15.88 0.08 0.00	17.88 0.32 0.00	20.91 0.06 0.00	22.78 0.34 0.00	22.84 0.38 0.00	23.07 0.54 0.00	23.16 0.63 0.00	23.38 0.77 0.00	24.75 0.97 0.00	27.91 1.05 0.00	29.66 1.20 0.00	30.61 1.35 0.00	34.18 1.87 0.00	40.75 1.93 -0.21	44.48 2.44 0.00	40.07 2.48 0.00	32.69 1.57 -0.34	29.55 0.88 -0.17	27.59 0.86 0.00	24.00 0.97 0.00
S SALMON___HYD 24043	18.76 0.09 0.00	16.45 0.00 0.00	15.45 -0.05 -0.01	15.06 0.00 -0.01	15.81 0.02 0.00	17.65 0.09 0.00	20.93 0.08 0.00	22.51 0.07 0.00	22.46 0.00 0.00	22.60 0.07 0.00	22.51 -0.02 0.00	22.59 -0.02 0.00	24.49 -0.02 -0.74	28.45 0.03 -1.55	30.47 0.09 -1.92	31.53 0.12 -2.14	35.47 0.26 -2.91	43.30 0.27 -4.42	47.86 0.59 -5.23	41.30 0.56 -3.15	33.63 0.49 -2.35	30.61 0.37 -1.75	28.28 0.24 -1.30	23.24 0.21 0.00
S.PERRY__115KV_TB1 80734	19.70 1.03 0.00	17.22 0.77 0.00	16.01 0.50 -0.03	15.49 0.41 -0.03	16.32 0.52 0.00	18.44 0.88 0.00	21.58 0.73 0.00	23.54 1.10 0.00	23.50 1.03 0.00	23.77 1.24 0.00	23.79 1.26 0.00	23.95 1.33 0.00	25.06 1.28 0.00	28.24 1.37 0.00	29.35 0.88 0.00	30.41 1.14 0.00	34.05 1.74 0.00	40.98 2.05 -0.32	44.90 2.86 -0.01	40.79 3.19 -0.01	33.44 2.15 -0.50	30.06 1.31 -0.25	28.61 1.87 0.00	24.99 1.96 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	19.21 0.54 0.00	16.78 0.33 0.00	15.51 0.00 -0.03	14.94 -0.14 -0.03	15.75 -0.05 0.00	17.81 0.25 0.00	20.62 -0.23 0.00	22.55 0.11 0.00	22.75 0.29 0.00	23.09 0.56 0.00	23.23 0.70 0.00	23.43 0.81 0.00	24.65 0.88 0.00	27.78 0.91 0.00	29.61 1.14 0.00	30.73 1.46 0.00	34.28 1.97 0.00	40.80 1.89 -0.30	44.40 2.35 -0.01	40.37 2.78 -0.01	32.80 1.54 -0.47	29.42 0.68 -0.24	27.38 0.64 0.00	24.25 1.22 0.00
SAWYER__23_KV_LOAD 55526	19.21 0.54 0.00	16.78 0.33 0.00	15.51 0.00 -0.03	14.94 -0.14 -0.03	15.75 -0.05 0.00	17.81 0.25 0.00	20.62 -0.23 0.00	22.55 0.11 0.00	22.75 0.29 0.00	23.09 0.56 0.00	23.23 0.70 0.00	23.43 0.81 0.00	24.65 0.88 0.00	27.78 0.91 0.00	29.61 1.14 0.00	30.73 1.46 0.00	34.28 1.97 0.00	40.80 1.89 -0.30	44.40 2.35 -0.01	40.37 2.78 -0.01	32.80 1.54 -0.47	29.42 0.68 -0.24	27.38 0.64 0.00	24.25 1.22 0.00
SELKIRK__I 23801	19.14 0.47 0.00	17.06 0.61 0.00	16.30 0.62 -0.19	15.88 0.60 -0.23	16.41 0.62 0.00	18.14 0.58 0.00	21.56 0.71 0.00	23.11 0.67 0.00	23.16 0.70 0.00	23.09 0.56 0.00	23.14 0.61 0.00	23.22 0.61 0.00	24.42 0.64 0.00	27.62 0.75 0.00	29.32 0.85 0.00	30.29 1.02 0.00	33.50 1.20 0.00	43.39 1.62 -3.16	43.82 1.72 -0.05	39.25 1.62 -0.05	37.00 1.26 -4.95	32.17 1.17 -2.51	27.62 0.88 0.00	23.77 0.74 0.00
SELKIRK__II 23799	19.02 0.35 0.00	16.97 0.53 0.00	16.22 0.54 -0.19	15.81 0.53 -0.24	16.34 0.54 0.00	18.07 0.51 0.00	21.47 0.62 0.00	23.07 0.63 0.00	23.09 0.63 0.00	23.05 0.52 0.00	23.09 0.56 0.00	23.15 0.54 0.00	24.34 0.57 0.00	27.51 0.64 0.00	29.21 0.74 0.00	30.18 0.91 0.00	33.34 1.03 0.00	43.28 1.39 -3.29	43.53 1.43 -0.06	38.96 1.31 -0.06	36.99 1.05 -5.16	32.07 0.97 -2.61	27.46 0.72 0.00	23.61 0.58 0.00
SENECA OSWGO___HYD 24041	18.65 -0.02 0.00	16.36 -0.08 0.00	15.39 -0.11 -0.01	14.97 -0.09 -0.02	15.72 -0.08 0.00	17.54 -0.02 0.00	20.78 -0.06 0.00	22.35 -0.09 0.00	22.35 -0.11 0.00	22.46 -0.07 0.00	22.42 -0.11 0.00	22.52 -0.09 0.00	24.71 -0.09 -1.03	28.96 -0.08 -2.18	31.12 -0.03 -2.68	32.30 0.03 -3.00	36.61 0.23 -4.07	44.95 0.16 -6.19	49.61 0.25 -7.32	42.33 0.34 -4.40	34.23 0.15 -3.29	30.91 -0.03 -2.45	28.48 -0.08 -1.82	22.99 -0.05 0.00
SENECA___115KV_TB3 355854	19.36 0.69 0.00	16.91 0.46 0.00	15.57 0.06 -0.03	15.02 -0.06 -0.03	15.88 0.08 0.00	17.95 0.39 0.00	20.81 -0.04 0.00	22.78 0.34 0.00	22.98 0.52 0.00	23.34 0.81 0.00	23.45 0.92 0.00	23.67 1.06 0.00	24.84 1.07 0.00	27.99 1.13 0.00	29.83 1.37 0.00	30.99 1.73 0.00	34.60 2.29 0.00	41.20 2.28 -0.31	44.74 2.69 -0.01	40.71 3.12 -0.01	33.03 1.75 -0.49	29.63 0.88 -0.25	27.54 0.80 0.00	24.48 1.45 0.00
SENECA__ENERGY 23797	18.91 0.24 0.00	16.56 0.12 0.00	15.52 0.02 -0.02	15.09 0.02 -0.03	15.86 0.06 0.00	17.79 0.23 0.00	21.03 0.19 0.00	22.73 0.29 0.00	22.78 0.31 0.00	22.94 0.41 0.00	22.93 0.41 0.00	23.02 0.41 0.00	24.68 0.48 -0.43	28.36 0.59 -0.91	30.30 0.71 -1.12	31.28 0.76 -1.25	35.17 1.16 -1.70	42.62 1.20 -2.82	46.66 1.56 -3.06	40.97 1.54 -1.84	33.54 1.01 -1.74	30.30 0.60 -1.21	28.01 0.51 -0.76	23.56 0.53 0.00
SHOEMAKER___GT 23640	19.40 0.73 0.00	17.33 0.89 0.00	16.49 0.87 -0.14	16.06 0.84 -0.17	16.65 0.85 0.00	18.49 0.93 0.00	22.03 1.19 0.00	23.74 1.30 0.00	23.79 1.32 0.00	23.79 1.26 0.00	23.83 1.31 0.00	23.85 1.24 0.00	24.98 1.21 0.00	28.18 1.32 0.00	30.00 1.54 0.00	31.05 1.79 0.00	34.21 1.91 0.00	42.89 2.63 -1.65	44.55 2.48 -0.03	39.83 2.22 -0.03	35.17 1.78 -2.60	31.52 1.71 -1.31	28.10 1.36 0.00	24.16 1.13 0.00
SHOEMAKR_138KV_BK 111 55601	19.40 0.73 0.00	17.32 0.87 0.00	16.47 0.85 -0.14	16.04 0.83 -0.17	16.64 0.84 0.00	18.48 0.91 0.00	22.01 1.17 0.00	23.72 1.28 0.00	23.76 1.30 0.00	23.79 1.26 0.00	23.79 1.26 0.00	23.81 1.20 0.00	24.99 1.21 0.00	28.24 1.37 0.00	30.12 1.65 0.00	31.05 1.79 0.00	34.34 2.04 0.00	42.96 2.70 -1.64	44.67 2.61 -0.03	39.87 2.26 -0.03	35.21 1.85 -2.58	31.57 1.77 -1.30	28.18 1.44 0.00	24.12 1.08 0.00
SHOREHAM_IC_1 23715	19.28 0.62 0.00	17.43 0.99 0.00	16.54 0.90 -0.15	16.06 0.83 -0.19	16.56 0.76 0.00	18.47 0.91 0.00	22.28 1.44 0.00	24.06 1.62 0.00	23.97 1.51 0.00	23.68 1.15 0.00	23.72 1.19 0.00	23.76 1.15 0.00	24.51 0.74 0.00	27.55 0.70 0.01	29.63 1.17 0.00	30.82 1.55 0.00	34.02 1.71 0.00	42.97 2.55 -1.82	44.42 2.35 -0.02	39.49 1.88 -0.02	35.15 1.51 -2.85	31.42 1.48 -1.44	27.75 1.02 0.00	25.44 1.50 -0.91
SHOREHAM_IC_2 23716	19.28 0.62 0.00	17.43 0.99 0.00	16.54 0.90 -0.15	16.06 0.83 -0.19	16.56 0.76 0.00	18.47 0.91 0.00	22.28 1.44 0.00	24.06 1.62 0.00	23.97 1.51 0.00	23.68 1.15 0.00	23.72 1.19 0.00	23.76 1.15 0.00	24.51 0.74 0.00	27.55 0.70 0.01	29.63 1.17 0.00	30.82 1.55 0.00	34.02 1.71 0.00	42.97 2.55 -1.82	44.42 2.35 -0.02	39.49 1.88 -0.02	35.15 1.51 -2.85	31.42 1.48 -1.44	27.75 1.02 0.00	25.44 1.50 -0.91
SISSONVILLE____ 23735	18.15 -0.52 0.00	15.94 -0.51 0.00	14.99 -0.50 0.00	14.59 -0.45 0.00	15.34 -0.46 0.00	16.96 -0.60 0.00	20.16 -0.69 0.00	21.86 -0.58 0.00	21.88 -0.58 0.00	21.85 -0.68 0.00	21.54 -0.99 0.00	21.50 -1.11 0.00	22.75 -1.14 -0.12	25.70 -1.42 -0.26	27.10 -1.68 -0.31	27.86 -1.76 -0.35	30.13 -2.65 -0.47	36.28 -3.05 -0.72	39.91 -2.98 -0.85	34.97 -3.12 -0.50	29.46 -1.69 -0.37	28.14 -0.63 -0.28	26.65 -0.29 -0.20	22.73 -0.30 0.00



SITHE_IND_GS1 24169	18.37 -0.30 0.00	16.15 -0.30 0.00	15.19 -0.31 -0.01	14.74 -0.32 -0.01	15.48 -0.32 0.00	17.26 -0.30 0.00	20.45 -0.40 0.00	21.94 -0.49 0.00	21.97 -0.49 0.00	22.08 -0.45 0.00	22.01 -0.52 0.00	22.09 -0.52 0.00	20.28 -0.52 2.97	20.04 -0.57 6.26	20.18 -0.57 7.72	20.07 -0.56 8.64	20.11 -0.48 11.71	20.14 -0.66 17.81	20.34 -0.63 21.07	24.39 -0.53 12.67	20.79 -0.52 9.47	20.82 -0.63 7.05	20.88 -0.61 5.24	22.55 -0.48 0.00
SITHE_IND_GS2 24170	18.37 -0.30 0.00	16.15 -0.30 0.00	15.19 -0.31 -0.01	14.74 -0.32 -0.01	15.48 -0.32 0.00	17.26 -0.30 0.00	20.45 -0.40 0.00	21.94 -0.49 0.00	21.97 -0.49 0.00	22.08 -0.45 0.00	22.01 -0.52 0.00	22.09 -0.52 0.00	20.28 -0.52 2.97	20.04 -0.57 6.26	20.18 -0.57 7.72	20.07 -0.56 8.64	20.11 -0.48 11.71	20.14 -0.66 17.81	20.34 -0.63 21.07	24.39 -0.53 12.67	20.79 -0.52 9.47	20.82 -0.63 7.05	20.88 -0.61 5.24	22.55 -0.48 0.00
SITHE_IND_GS3 24171	18.37 -0.30 0.00	16.15 -0.30 0.00	15.19 -0.31 -0.01	14.74 -0.32 -0.01	15.48 -0.32 0.00	17.26 -0.30 0.00	20.45 -0.40 0.00	21.94 -0.49 0.00	21.97 -0.49 0.00	22.08 -0.45 0.00	22.01 -0.52 0.00	22.09 -0.52 0.00	20.28 -0.52 2.97	20.04 -0.57 6.26	20.18 -0.57 7.72	20.07 -0.56 8.64	20.11 -0.48 11.71	20.14 -0.66 17.81	20.34 -0.63 21.07	24.39 -0.53 12.67	20.79 -0.52 9.47	20.82 -0.63 7.05	20.88 -0.61 5.24	22.55 -0.48 0.00
SITHE_IND_GS4 24172	18.37 -0.30 0.00	16.15 -0.30 0.00	15.19 -0.31 -0.01	14.74 -0.32 -0.01	15.48 -0.32 0.00	17.26 -0.30 0.00	20.45 -0.40 0.00	21.94 -0.49 0.00	21.97 -0.49 0.00	22.08 -0.45 0.00	22.01 -0.52 0.00	22.09 -0.52 0.00	20.28 -0.52 2.97	20.04 -0.57 6.26	20.18 -0.57 7.72	20.07 -0.56 8.64	20.11 -0.48 11.71	20.14 -0.66 17.81	20.34 -0.63 21.07	24.39 -0.53 12.67	20.79 -0.52 9.47	20.82 -0.63 7.05	20.88 -0.61 5.24	22.55 -0.48 0.00
SITHE___BATAVIA 24024	19.60 0.93 0.00	17.14 0.69 0.00	16.05 0.54 -0.02	15.45 0.38 -0.02	16.27 0.47 0.00	18.37 0.81 0.00	21.47 0.62 0.00	23.38 0.94 0.00	23.47 1.01 0.00	23.68 1.15 0.00	23.83 1.31 0.00	24.04 1.43 0.00	25.41 1.64 0.00	28.77 1.91 0.00	30.60 2.14 0.00	31.40 2.14 0.00	35.28 2.97 0.00	42.18 3.36 -0.22	46.29 4.24 0.00	41.57 3.98 0.00	33.80 2.68 -0.34	30.52 1.85 -0.17	28.47 1.74 0.00	24.83 1.80 0.00
SITHE___INDEPEND 23800	18.37 -0.30 0.00	16.15 -0.30 0.00	15.19 -0.31 -0.01	14.74 -0.32 -0.01	15.48 -0.32 0.00	17.26 -0.30 0.00	20.45 -0.40 0.00	21.97 -0.47 0.00	21.99 -0.47 0.00	22.08 -0.45 0.00	22.03 -0.50 0.00	22.14 -0.47 0.00	20.28 -0.52 2.97	20.01 -0.59 6.26	20.15 -0.60 7.72	20.07 -0.56 8.64	20.08 -0.52 11.71	20.10 -0.69 17.81	20.30 -0.67 21.07	24.39 -0.53 12.67	20.79 -0.52 9.47	20.82 -0.63 7.05	20.85 -0.64 5.24	22.57 -0.46 0.00
SITHE___MASSENA 23902	18.26 -0.41 0.00	16.04 -0.41 0.00	15.08 -0.40 0.00	14.67 -0.38 0.00	15.40 -0.39 0.00	17.04 -0.53 0.00	20.20 -0.65 0.00	21.88 -0.56 0.00	21.92 -0.54 0.00	21.99 -0.54 0.00	21.99 -0.54 0.00	22.07 -0.54 0.00	23.20 -0.57 0.00	26.17 -0.70 0.00	27.58 -0.88 0.00	28.27 -1.00 0.00	30.56 -1.75 0.00	36.49 -2.12 0.00	39.90 -2.14 0.00	35.33 -2.25 0.00	29.62 -1.17 0.00	27.84 -0.65 0.00	26.34 -0.40 0.00	22.69 -0.34 0.00
SITHE___OGDNSBRG 24021	18.37 -0.30 0.00	16.08 -0.36 0.00	15.13 -0.36 0.00	14.76 -0.29 0.00	15.51 -0.28 0.00	17.14 -0.42 0.00	20.35 -0.50 0.00	22.08 -0.36 0.00	21.99 -0.47 0.00	22.10 -0.43 0.00	21.97 -0.56 0.00	22.00 -0.61 0.00	23.25 -0.62 -0.09	26.28 -0.78 -0.19	27.70 -1.00 -0.23	28.44 -1.08 -0.26	30.72 -1.94 -0.35	36.91 -2.24 -0.54	40.61 -2.06 -0.63	35.67 -2.29 -0.37	29.62 -1.17 0.00	28.18 -0.31 0.00	26.66 -0.08 0.00	22.92 -0.12 0.00
SITHE___STERLING 23777	19.25 0.58 0.00	16.81 0.36 0.00	15.79 0.29 -0.01	15.40 0.35 -0.01	16.18 0.38 0.00	18.04 0.47 0.00	21.45 0.60 0.00	23.11 0.67 0.00	23.04 0.58 0.00	23.21 0.68 0.00	23.20 0.68 0.00	23.31 0.70 0.00	24.71 0.76 -0.17	28.19 0.97 -0.36	30.00 1.08 -0.45	31.00 1.23 -0.50	34.41 1.42 -0.68	41.38 1.74 -1.03	45.32 2.06 -1.22	40.09 1.77 -0.74	32.81 1.48 -0.55	30.10 1.20 -0.41	28.03 0.99 -0.30	23.86 0.83 0.00
SLEIGHT__34_KV_TB1 80719	19.27 0.60 0.00	16.84 0.39 0.00	15.78 0.28 -0.02	15.36 0.29 -0.02	16.15 0.35 0.00	18.12 0.56 0.00	21.47 0.63 0.00	23.29 0.85 0.00	23.29 0.83 0.00	23.45 0.92 0.00	23.52 0.99 0.00	23.65 1.04 0.00	25.29 1.16 -0.35	28.94 1.34 -0.74	30.91 1.54 -0.91	31.95 1.67 -1.01	35.78 2.10 -1.38	43.23 2.32 -2.30	47.21 2.69 -2.48	41.60 2.52 -1.49	34.08 1.85 -1.44	30.77 1.28 -1.00	28.42 1.07 -0.62	24.07 1.04 0.00
SOUTH CAIRO___GT 23612	19.34 0.67 0.00	17.28 0.84 0.00	16.38 0.71 -0.18	16.01 0.74 -0.22	16.63 0.84 0.00	18.41 0.84 0.00	21.93 1.08 0.00	23.52 1.08 0.00	23.56 1.10 0.00	23.45 0.92 0.00	23.47 0.95 0.00	23.52 0.91 0.00	24.68 0.90 0.00	27.91 1.05 0.00	29.69 1.22 0.00	30.82 1.55 0.00	34.31 2.00 0.00	44.22 2.63 -2.99	44.95 2.86 -0.05	40.23 2.59 -0.05	37.54 2.06 -4.69	32.80 1.94 -2.37	28.26 1.52 0.00	24.34 1.31 0.00
SOUTH HAMPTN___IC 23720	19.58 0.91 0.00	17.71 1.27 0.00	16.78 1.15 -0.15	16.30 1.07 -0.19	16.82 1.03 0.00	18.77 1.21 0.00	22.64 1.79 0.00	24.44 2.00 0.00	24.37 1.91 0.00	24.08 1.55 0.00	24.17 1.64 0.00	24.22 1.61 0.00	24.98 1.21 0.00	28.09 1.24 0.01	30.26 1.79 0.00	31.46 2.20 0.00	34.76 2.45 0.00	43.83 3.40 -1.82	45.30 3.24 -0.02	40.28 2.67 -0.02	35.79 2.15 -2.85	31.99 2.05 -1.44	28.29 1.55 0.00	25.90 1.96 -0.91
SOUTHDOW__115KV_TB1 355954	20.01 1.34 0.00	17.40 0.95 0.00	15.90 0.39 -0.03	15.34 0.26 -0.04	16.30 0.51 0.00	18.48 0.91 0.00	21.62 0.77 0.00	24.19 1.75 0.00	24.55 2.09 0.00	25.10 2.57 0.00	25.25 2.73 0.00	25.51 2.89 0.00	26.60 2.83 0.00	30.06 3.20 0.00	32.00 3.53 0.00	33.31 4.04 0.00	37.28 4.98 0.00	44.44 5.48 -0.35	48.01 5.97 -0.01	43.83 6.24 -0.01	35.40 4.06 -0.55	31.68 2.91 -0.28	29.20 2.46 0.00	25.98 2.95 0.00
SOUTHOLD_69_KV_BK 2 55809	19.88 1.21 0.00	17.98 1.53 0.00	17.03 1.39 -0.15	16.54 1.31 -0.19	17.08 1.28 0.00	19.07 1.51 0.00	22.99 2.15 0.00	24.82 2.38 0.00	24.78 2.31 0.00	24.49 1.96 0.00	24.51 1.98 0.00	24.56 1.94 0.00	25.56 1.78 0.00	28.76 1.91 0.01	31.23 2.76 0.00	32.37 3.10 0.00	36.02 3.72 0.00	45.14 4.71 -1.82	46.48 4.41 -0.02	41.41 3.80 -0.02	37.36 3.73 -2.85	32.87 2.93 -1.44	29.54 2.81 0.00	26.29 2.35 -0.91
SOUTHOLD___IC 23719	19.88 1.21 0.00	17.98 1.53 0.00	17.03 1.39 -0.15	16.54 1.31 -0.19	17.08 1.28 0.00	19.07 1.51 0.00	22.99 2.15 0.00	24.84 2.40 0.00	24.75 2.29 0.00	24.47 1.94 0.00	24.56 2.03 0.00	24.60 1.99 0.00	25.37 1.59 0.00	28.55 1.69 0.01	30.80 2.33 0.00	32.05 2.78 0.00	35.44 3.13 0.00	44.67 4.25 -1.82	46.23 4.16 -0.02	41.11 3.50 -0.02	36.47 2.83 -2.85	32.56 2.62 -1.44	28.80 2.06 0.00	26.32 2.37 -0.91



SPIERFLS_115KV_TB1 80737	19.92 1.25 0.00	17.71 1.27 0.00	16.88 1.19 -0.20	16.45 1.16 -0.25	17.01 1.22 0.00	18.88 1.32 0.00	22.51 1.67 0.00	24.19 1.75 0.00	24.26 1.80 0.00	24.17 1.64 0.00	24.11 1.58 0.00	24.19 1.58 0.00	25.58 1.81 0.00	28.34 1.48 0.00	29.98 1.51 0.00	30.79 1.52 0.00	34.25 1.94 0.00	47.06 3.09 -5.37	45.66 3.53 -0.09	40.87 3.19 -0.09	41.76 2.56 -8.42	34.92 2.17 -4.26	28.39 1.66 0.00	24.90 1.87 0.00
ST LAWRENCE____ 23600	18.11 -0.56 0.00	15.86 -0.59 0.00	14.93 -0.56 0.00	14.52 -0.53 0.00	15.23 -0.57 0.00	16.86 -0.70 0.00	20.01 -0.83 0.00	21.63 -0.81 0.00	21.67 -0.79 0.00	21.74 -0.79 0.00	21.76 -0.77 0.00	21.84 -0.77 0.00	22.96 -0.81 0.00	25.92 -0.94 0.00	27.36 -1.11 0.00	28.01 -1.26 0.00	30.60 -1.71 0.00	36.49 -2.12 0.00	39.85 -2.19 0.00	35.40 -2.18 0.00	29.52 -1.26 0.00	27.55 -0.94 0.00	26.07 -0.67 0.00	22.43 -0.60 0.00
STATE_CA_115KV_115_LB 55624	19.02 0.35 0.00	17.01 0.56 0.00	16.25 0.57 -0.20	15.84 0.56 -0.24	16.37 0.57 0.00	18.09 0.53 0.00	21.49 0.65 0.00	23.04 0.61 0.00	23.09 0.63 0.00	23.05 0.52 0.00	23.07 0.54 0.00	23.15 0.54 0.00	24.39 0.62 0.00	27.62 0.75 0.00	29.41 0.94 0.00	30.29 1.02 0.00	33.57 1.26 0.00	44.39 1.62 -4.15	43.79 1.68 -0.07	39.20 1.54 -0.07	38.50 1.20 -6.52	32.90 1.11 -3.30	27.51 0.78 0.00	23.61 0.58 0.00
STATE_ST_34_KV_LOAD 55959	18.95 0.28 0.00	16.74 0.30 0.00	15.72 0.22 -0.02	15.30 0.23 -0.03	16.07 0.27 0.00	17.98 0.42 0.00	21.33 0.48 0.00	23.04 0.61 0.00	23.05 0.58 0.00	23.18 0.65 0.00	23.20 0.68 0.00	23.31 0.70 0.00	25.03 0.74 -0.52	28.84 0.89 -1.09	30.83 1.02 -1.34	31.91 1.14 -1.50	35.77 1.42 -2.04	43.52 1.58 -3.33	47.56 1.85 -3.67	41.56 1.77 -2.21	34.11 1.32 -2.00	30.84 0.94 -1.41	28.42 0.78 -0.91	23.82 0.78 0.00
STATION 5_MISC_HYD 23604	18.99 0.32 0.00	16.66 0.21 0.00	15.60 0.09 -0.02	15.02 -0.05 -0.02	15.80 0.00 0.00	17.79 0.23 0.00	20.81 -0.04 0.00	22.57 0.14 0.00	22.73 0.27 0.00	22.96 0.43 0.00	23.09 0.56 0.00	23.31 0.70 0.00	24.58 0.81 0.00	27.83 0.97 0.00	29.63 1.17 0.00	30.41 1.14 0.00	34.05 1.74 0.00	40.60 1.78 -0.21	44.40 2.35 0.00	39.88 2.29 0.00	32.47 1.35 -0.34	29.40 0.74 -0.17	27.43 0.69 0.00	23.98 0.94 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	19.06 0.39 0.00	16.68 0.23 0.00	15.61 0.11 -0.02	15.11 0.05 -0.02	15.89 0.09 0.00	17.88 0.32 0.00	21.01 0.17 0.00	22.87 0.43 0.00	22.89 0.43 0.00	23.07 0.54 0.00	23.14 0.61 0.00	23.31 0.70 0.00	24.74 0.86 -0.11	28.04 0.94 -0.23	29.84 1.08 -0.29	30.79 1.20 -0.32	34.39 1.65 -0.44	41.23 1.74 -0.88	45.01 2.19 -0.79	40.24 2.18 -0.48	32.89 1.42 -0.69	29.78 0.85 -0.43	27.68 0.75 -0.20	23.86 0.83 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	18.86 0.19 0.00	16.53 0.08 0.00	15.49 -0.02 -0.02	14.96 -0.11 -0.02	15.70 -0.09 0.00	17.67 0.11 0.00	20.70 -0.15 0.00	22.53 0.09 0.00	22.62 0.16 0.00	22.82 0.29 0.00	22.89 0.36 0.00	23.09 0.47 0.00	24.41 0.64 0.00	27.56 0.70 0.00	29.29 0.83 0.00	30.20 0.94 0.00	33.70 1.39 0.00	40.17 1.35 -0.21	43.85 1.81 0.00	39.51 1.92 0.00	32.26 1.14 -0.33	29.18 0.51 -0.17	27.22 0.48 0.00	23.68 0.64 0.00
STA_56____34_KV_BUS2 355983	18.86 0.19 0.00	16.53 0.08 0.00	15.49 -0.02 -0.02	14.96 -0.11 -0.02	15.70 -0.09 0.00	17.67 0.11 0.00	20.70 -0.15 0.00	22.53 0.09 0.00	22.62 0.16 0.00	22.82 0.29 0.00	22.89 0.36 0.00	23.09 0.47 0.00	24.41 0.64 0.00	27.56 0.70 0.00	29.29 0.83 0.00	30.20 0.94 0.00	33.70 1.39 0.00	40.17 1.35 -0.21	43.85 1.81 0.00	39.51 1.92 0.00	32.26 1.14 -0.33	29.18 0.51 -0.17	27.22 0.48 0.00	23.68 0.64 0.00
STA_67____115KV_BK2 355882	18.95 0.28 0.00	16.61 0.16 0.00	15.55 0.05 -0.02	15.01 -0.06 -0.02	15.77 -0.03 0.00	17.76 0.19 0.00	20.74 -0.10 0.00	22.60 0.16 0.00	22.66 0.20 0.00	22.89 0.36 0.00	22.96 0.43 0.00	23.15 0.54 0.00	24.51 0.74 0.00	27.64 0.78 0.00	29.38 0.91 0.00	30.32 1.05 0.00	33.83 1.52 0.00	40.33 1.51 -0.21	44.02 1.98 0.00	39.69 2.10 0.00	32.38 1.26 -0.34	29.29 0.63 -0.17	27.33 0.59 0.00	23.79 0.76 0.00
STA_7____115KV_9TRANS 80674	19.08 0.41 0.00	16.73 0.28 0.00	15.66 0.15 -0.02	15.11 0.05 -0.02	15.88 0.08 0.00	17.88 0.32 0.00	20.91 0.06 0.00	22.78 0.34 0.00	22.84 0.38 0.00	23.07 0.54 0.00	23.16 0.63 0.00	23.38 0.77 0.00	24.75 0.97 0.00	27.91 1.05 0.00	29.66 1.20 0.00	30.61 1.35 0.00	34.18 1.87 0.00	40.75 1.93 -0.21	44.48 2.44 0.00	40.07 2.48 0.00	32.69 1.57 -0.34	29.55 0.88 -0.17	27.59 0.86 0.00	24.00 0.97 0.00
STA_82____115KV_TB1 80780	18.95 0.28 0.00	16.63 0.18 0.00	15.57 0.06 -0.02	15.02 -0.05 -0.02	15.77 -0.03 0.00	17.76 0.19 0.00	20.76 -0.08 0.00	22.62 0.18 0.00	22.69 0.22 0.00	22.89 0.36 0.00	22.98 0.45 0.00	23.18 0.57 0.00	24.53 0.76 0.00	27.67 0.81 0.00	29.41 0.94 0.00	30.35 1.08 0.00	33.83 1.52 0.00	40.37 1.54 -0.22	44.06 2.02 0.00	39.73 2.14 0.00	32.42 1.29 -0.34	29.32 0.66 -0.17	27.35 0.61 0.00	23.82 0.78 0.00
STEEL____WIND 323596	19.34 0.67 0.00	16.89 0.44 0.00	15.54 0.03 -0.03	15.08 0.00 -0.03	15.85 0.05 0.00	17.93 0.37 0.00	20.78 -0.06 0.00	22.64 0.20 0.00	22.96 0.49 0.00	23.32 0.79 0.00	23.25 0.72 0.00	23.47 0.86 0.00	24.82 1.04 0.00	28.15 1.29 0.00	30.06 1.59 0.00	30.96 1.70 0.00	34.70 2.39 0.00	41.32 2.39 -0.31	45.11 3.07 -0.01	40.82 3.23 -0.01	33.00 1.72 -0.49	29.63 0.88 -0.25	27.54 0.80 0.00	24.23 1.20 0.00
STEPHTWN_115KV_BK_2 55603	19.23 0.56 0.00	17.15 0.71 0.00	16.39 0.71 -0.19	15.96 0.68 -0.24	16.49 0.70 0.00	18.23 0.67 0.00	21.68 0.83 0.00	23.25 0.81 0.00	23.32 0.85 0.00	23.27 0.74 0.00	23.25 0.72 0.00	23.33 0.72 0.00	24.58 0.81 0.00	27.86 0.99 0.00	29.66 1.20 0.00	30.61 1.35 0.00	33.96 1.65 0.00	44.37 2.08 -3.68	44.29 2.19 -0.06	39.60 1.95 -0.06	38.10 1.54 -5.77	32.84 1.42 -2.92	27.75 1.02 0.00	23.79 0.76 0.00
STEBEN_REC_LFGE 323667	19.73 1.06 0.00	17.17 0.72 0.00	15.86 0.34 -0.04	15.40 0.32 -0.04	16.27 0.47 0.00	18.39 0.83 0.00	21.62 0.77 0.00	23.65 1.21 0.00	23.74 1.28 0.00	24.04 1.51 0.00	24.13 1.60 0.00	24.31 1.70 0.00	25.62 1.69 -0.16	29.11 1.91 -0.34	30.99 2.11 -0.41	32.19 2.46 -0.46	36.04 3.10 -0.63	43.30 3.32 -1.37	47.09 3.91 -1.14	42.26 3.98 -0.69	34.65 2.71 -1.16	31.05 1.85 -0.71	28.70 1.68 -0.28	25.01 1.98 0.00
STONY____BROOK 24151	19.62 0.95 0.00	17.68 1.23 0.00	16.77 1.13 -0.15	16.30 1.07 -0.19	16.86 1.06 0.00	18.79 1.23 0.00	22.60 1.75 0.00	24.41 1.98 0.00	24.35 1.89 0.00	24.13 1.60 0.00	24.26 1.73 0.00	24.31 1.70 0.00	25.08 1.31 0.00	28.15 1.29 0.01	30.23 1.77 0.00	31.43 2.17 0.00	34.67 2.36 0.00	43.52 3.09 -1.82	44.92 2.86 -0.02	39.98 2.37 -0.02	35.70 2.06 -2.85	31.93 1.99 -1.44	28.23 1.50 0.00	25.93 1.98 -0.91



STURGEON_POOL_HYD 23609	19.64 0.97 0.00	17.53 1.09 0.00	16.63 0.99 -0.15	16.18 0.95 -0.19	16.86 1.06 0.00	18.70 1.14 0.00	22.33 1.48 0.00	24.08 1.64 0.00	24.17 1.71 0.00	24.20 1.67 0.00	24.20 1.67 0.00	24.15 1.54 0.00	25.34 1.57 0.00	28.61 1.75 0.00	30.57 2.11 0.00	31.52 2.25 0.00	34.83 2.52 0.00	43.98 3.32 -2.05	45.18 3.11 -0.03	40.29 2.67 -0.03	36.12 2.12 -3.21	32.17 2.05 -1.63	28.56 1.82 0.00	24.37 1.34 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	19.47 0.80 0.00	17.37 0.92 0.00	16.54 0.91 -0.14	16.09 0.87 -0.17	16.68 0.88 0.00	18.51 0.95 0.00	22.10 1.25 0.00	23.79 1.35 0.00	23.88 1.42 0.00	23.88 1.35 0.00	23.90 1.37 0.00	23.92 1.31 0.00	25.10 1.33 0.00	28.37 1.50 0.00	30.26 1.79 0.00	31.20 1.93 0.00	34.51 2.20 0.00	43.20 2.90 -1.69	44.84 2.77 -0.03	40.02 2.41 -0.03	35.41 1.97 -2.65	31.69 1.85 -1.34	28.23 1.50 0.00	24.14 1.11 0.00
SWANROAD_115KV_TB1 355699	18.67 0.00 0.00	16.41 -0.03 0.00	15.12 -0.39 -0.03	14.55 -0.53 -0.03	15.40 -0.39 0.00	17.40 -0.16 0.00	19.99 -0.85 0.00	21.83 -0.61 0.00	21.99 -0.47 0.00	22.30 -0.23 0.00	22.42 -0.11 0.00	22.63 0.02 0.00	23.89 0.12 0.00	26.86 0.00 0.00	28.64 0.17 0.00	29.71 0.44 0.00	33.15 0.84 0.00	39.39 0.50 -0.28	42.97 0.92 0.00	39.09 1.50 0.00	31.78 0.55 -0.44	28.46 -0.26 -0.22	26.55 -0.19 0.00	23.52 0.48 0.00
SYNERGY___BIOGAS 323694	19.60 0.93 0.00	17.14 0.69 0.00	16.05 0.54 -0.02	15.45 0.38 -0.02	16.27 0.47 0.00	18.37 0.81 0.00	21.47 0.62 0.00	23.38 0.94 0.00	23.47 1.01 0.00	23.68 1.15 0.00	23.83 1.31 0.00	24.04 1.43 0.00	25.41 1.64 0.00	28.77 1.91 0.00	30.60 2.14 0.00	31.40 2.14 0.00	35.28 2.97 0.00	42.18 3.36 -0.22	46.29 4.24 0.00	41.57 3.98 0.00	33.80 2.68 -0.34	30.52 1.85 -0.17	28.47 1.74 0.00	24.83 1.80 0.00
SYRACUSE___ENERGY_ST1 323597	18.82 0.15 0.00	16.51 0.07 0.00	15.52 0.02 -0.02	15.08 0.02 -0.02	15.85 0.05 0.00	17.69 0.12 0.00	20.97 0.13 0.00	22.60 0.16 0.00	22.62 0.16 0.00	22.71 0.18 0.00	22.71 0.18 0.00	22.81 0.20 0.00	24.56 0.21 -0.58	28.35 0.27 -1.22	30.31 0.34 -1.50	31.39 0.44 -1.68	35.20 0.61 -2.28	42.86 0.62 -3.63	46.89 0.76 -4.10	40.84 0.79 -2.47	33.42 0.52 -2.11	30.29 0.28 -1.51	27.94 0.19 -1.02	23.26 0.23 0.00
SYRACUSE___ENERGY_ST2 323598	18.82 0.15 0.00	16.51 0.07 0.00	15.52 0.02 -0.02	15.08 0.02 -0.02	15.85 0.05 0.00	17.69 0.12 0.00	20.97 0.13 0.00	22.60 0.16 0.00	22.62 0.16 0.00	22.71 0.18 0.00	22.71 0.18 0.00	22.81 0.20 0.00	24.56 0.21 -0.58	28.35 0.27 -1.22	30.31 0.34 -1.50	31.39 0.44 -1.68	35.20 0.61 -2.28	42.86 0.62 -3.63	46.89 0.76 -4.10	40.84 0.79 -2.47	33.42 0.52 -2.11	30.29 0.28 -1.51	27.94 0.19 -1.02	23.26 0.23 0.00
SYRACUSE___POWER 24017	18.78 0.11 0.00	16.48 0.03 0.00	15.49 -0.02 -0.02	15.07 0.00 -0.02	15.81 0.02 0.00	17.67 0.11 0.00	20.95 0.10 0.00	22.57 0.13 0.00	22.60 0.13 0.00	22.69 0.16 0.00	22.71 0.18 0.00	22.79 0.18 0.00	24.37 0.21 -0.38	27.91 0.24 -0.80	29.74 0.28 -0.99	30.75 0.38 -1.10	34.32 0.52 -1.50	41.65 0.58 -2.46	45.45 0.71 -2.70	39.92 0.71 -1.62	32.74 0.46 -1.50	29.77 0.23 -1.04	27.54 0.13 -0.67	23.24 0.21 0.00
TALLMAN__138KV_BK151 55660	19.55 0.88 0.00	17.47 1.02 0.00	16.64 1.01 -0.15	16.19 0.96 -0.18	16.78 0.98 0.00	18.62 1.05 0.00	22.22 1.38 0.00	23.96 1.53 0.00	24.03 1.57 0.00	24.06 1.53 0.00	24.06 1.53 0.00	24.08 1.47 0.00	25.27 1.50 0.00	28.56 1.69 0.00	30.49 2.02 0.00	31.43 2.17 0.00	34.73 2.42 0.00	43.55 3.20 -1.74	45.14 3.07 -0.03	40.25 2.63 -0.03	35.67 2.15 -2.73	31.90 2.02 -1.38	28.42 1.68 0.00	24.25 1.22 0.00
TEALLAVE_115KV_TB7 355573	18.74 0.07 0.00	16.45 0.00 0.00	15.45 -0.05 -0.01	15.02 -0.05 -0.02	15.78 -0.02 0.00	17.61 0.05 0.00	20.87 0.02 0.00	22.48 0.04 0.00	22.51 0.04 0.00	22.62 0.09 0.00	22.62 0.09 0.00	22.72 0.11 0.00	24.23 0.14 -0.31	27.65 0.13 -0.66	29.47 0.20 -0.81	30.44 0.26 -0.90	33.95 0.42 -1.23	41.00 0.39 -2.01	44.75 0.50 -2.21	39.44 0.53 -1.33	32.31 0.31 -1.22	29.43 0.09 -0.85	27.31 0.03 -0.55	23.12 0.09 0.00
TELGRAPH_34_KV_EAST 80808	19.06 0.39 0.00	16.71 0.26 0.00	15.45 -0.06 -0.02	14.86 -0.21 -0.03	15.70 -0.09 0.00	17.76 0.19 0.00	20.47 -0.38 0.00	22.39 -0.04 0.00	22.55 0.09 0.00	22.85 0.32 0.00	22.98 0.45 0.00	23.18 0.57 0.00	24.49 0.71 0.00	27.56 0.70 0.00	29.38 0.91 0.00	30.44 1.17 0.00	34.05 1.74 0.00	40.46 1.58 -0.27	44.19 2.14 0.00	40.15 2.56 0.00	32.60 1.39 -0.42	29.22 0.51 -0.21	27.25 0.51 0.00	24.05 1.01 0.00
TEMPLE___115KV_TB 2 55572	18.74 0.07 0.00	16.45 0.00 0.00	15.47 -0.03 -0.01	15.03 -0.03 -0.02	15.78 -0.02 0.00	17.63 0.07 0.00	20.89 0.04 0.00	22.51 0.07 0.00	22.53 0.07 0.00	22.64 0.11 0.00	22.64 0.11 0.00	22.75 0.14 0.00	24.25 0.17 -0.31	27.71 0.19 -0.65	29.50 0.23 -0.81	30.46 0.29 -0.90	33.99 0.45 -1.22	41.04 0.42 -2.01	44.79 0.55 -2.21	39.48 0.56 -1.33	32.35 0.34 -1.22	29.46 0.11 -0.85	27.31 0.03 -0.55	23.15 0.12 0.00
TIANA____69_KV_BK 1 55817	19.53 0.86 0.00	17.65 1.20 0.00	16.72 1.08 -0.15	16.25 1.02 -0.19	16.76 0.96 0.00	18.70 1.14 0.00	22.54 1.69 0.00	24.32 1.88 0.00	24.28 1.82 0.00	24.02 1.49 0.00	24.04 1.51 0.00	24.08 1.47 0.00	25.08 1.31 0.00	28.20 1.34 0.01	30.54 2.08 0.00	31.64 2.37 0.00	35.18 2.88 0.00	44.10 3.67 -1.82	45.38 3.32 -0.02	40.43 2.82 -0.02	36.56 2.92 -2.85	32.19 2.25 -1.44	28.90 2.17 0.00	25.76 1.82 -0.91
TILDEN___115KV_TB1 80814	18.78 0.11 0.00	16.48 0.03 0.00	15.49 -0.02 -0.02	15.07 0.00 -0.02	15.81 0.02 0.00	17.67 0.11 0.00	20.95 0.10 0.00	22.57 0.13 0.00	22.60 0.13 0.00	22.69 0.16 0.00	22.71 0.18 0.00	22.79 0.18 0.00	24.37 0.21 -0.38	27.91 0.24 -0.80	29.74 0.28 -0.99	30.75 0.38 -1.10	34.32 0.52 -1.50	41.65 0.58 -2.46	45.45 0.71 -2.70	39.92 0.71 -1.62	32.74 0.46 -1.50	29.77 0.23 -1.04	27.54 0.13 -0.67	23.24 0.21 0.00
TRIGEN___CC 323695	19.49 0.82 0.00	17.47 1.02 0.00	16.60 0.96 -0.15	16.13 0.90 -0.19	16.70 0.90 0.00	18.60 1.04 0.00	22.31 1.46 0.00	24.03 1.59 0.00	24.06 1.59 0.00	23.97 1.44 0.00	24.06 1.53 0.00	24.10 1.49 0.00	25.18 1.40 0.00	28.28 1.42 0.01	30.37 1.91 0.00	31.35 2.08 0.00	34.67 2.36 0.00	43.52 3.09 -1.82	44.88 2.82 -0.02	39.94 2.33 -0.02	35.89 2.25 -2.85	31.79 1.85 -1.44	28.50 1.76 0.00	25.58 1.64 -0.91
TRINITY__115KV__ 4 BK 55933	18.97 0.30 0.00	16.97 0.53 0.00	16.22 0.54 -0.20	15.81 0.53 -0.24	16.34 0.54 0.00	18.05 0.49 0.00	21.45 0.60 0.00	23.00 0.56 0.00	23.02 0.56 0.00	22.98 0.45 0.00	23.00 0.47 0.00	23.09 0.47 0.00	24.30 0.52 0.00	27.51 0.64 0.00	29.29 0.83 0.00	30.18 0.91 0.00	33.41 1.10 0.00	43.79 1.43 -3.75	43.57 1.47 -0.06	39.00 1.35 -0.06	37.71 1.05 -5.88	32.47 1.00 -2.98	27.41 0.67 0.00	23.54 0.51 0.00



UNION___PROCESSING_DRP 323587	18.97 0.30 0.00	16.63 0.18 0.00	15.57 0.06 -0.02	15.02 -0.05 -0.02	15.78 -0.02 0.00	17.77 0.21 0.00	20.76 -0.08 0.00	22.62 0.18 0.00	22.69 0.22 0.00	22.91 0.38 0.00	22.98 0.45 0.00	23.20 0.59 0.00	24.53 0.76 0.00	27.67 0.81 0.00	29.41 0.94 0.00	30.35 1.08 0.00	33.86 1.55 0.00	40.37 1.54 -0.22	44.10 2.06 0.00	39.73 2.14 0.00	32.45 1.32 -0.34	29.32 0.66 -0.17	27.38 0.64 0.00	23.84 0.81 0.00
UPPER HUDSON___HYD 24058	19.92 1.25 0.00	17.71 1.27 0.00	16.88 1.19 -0.20	16.45 1.16 -0.25	17.01 1.22 0.00	18.88 1.32 0.00	22.52 1.67 0.00	24.19 1.75 0.00	24.28 1.82 0.00	24.17 1.64 0.00	24.15 1.62 0.00	24.22 1.61 0.00	25.58 1.81 0.00	28.34 1.48 0.00	29.92 1.45 0.00	30.79 1.52 0.00	34.18 1.87 0.00	47.07 3.09 -5.37	45.66 3.53 -0.09	40.91 3.23 -0.09	41.76 2.55 -8.42	34.95 2.19 -4.26	29.09 2.35 0.00	24.90 1.86 0.00
UPPER RAQUET___HYD 24056	18.15 -0.52 0.00	15.94 -0.51 0.00	14.99 -0.50 0.00	14.59 -0.45 0.00	15.34 -0.46 0.00	16.96 -0.60 0.00	20.16 -0.69 0.00	21.86 -0.58 0.00	21.88 -0.58 0.00	21.85 -0.68 0.00	21.54 -0.99 0.00	21.53 -1.08 0.00	22.73 -1.14 -0.10	25.65 -1.42 -0.21	27.11 -1.62 -0.26	27.81 -1.76 -0.29	30.12 -2.59 -0.40	36.13 -3.09 -0.61	39.77 -2.98 -0.72	34.93 -3.08 -0.42	29.63 -1.48 -0.32	28.13 -0.60 -0.24	26.65 -0.27 -0.18	22.76 -0.28 0.00
VALLEY44_115KV_TB2 355964	19.45 0.78 0.00	17.01 0.56 0.00	15.52 0.00 -0.03	15.02 -0.06 -0.04	16.02 0.22 0.00	18.07 0.51 0.00	21.12 0.27 0.00	23.07 0.63 0.00	23.25 0.79 0.00	23.59 1.06 0.00	23.68 1.15 0.00	23.90 1.29 0.00	24.70 0.93 0.00	27.83 0.97 0.00	29.66 1.20 0.00	30.79 1.52 0.00	34.41 2.10 0.00	41.06 2.08 -0.36	44.44 2.40 -0.01	40.37 2.78 -0.01	32.92 1.57 -0.57	29.55 0.77 -0.29	27.35 0.61 0.00	24.67 1.64 0.00
VALLEY___115KV_TB 1-4 80826	18.76 0.09 0.00	16.46 0.02 0.00	15.52 0.03 0.00	15.09 0.05 0.00	15.86 0.06 0.00	17.65 0.09 0.00	20.95 0.10 0.00	22.55 0.11 0.00	22.53 0.07 0.00	22.64 0.11 0.00	22.62 0.09 0.00	22.70 0.09 0.00	23.87 0.10 0.00	27.03 0.16 0.00	28.69 0.23 0.00	29.50 0.23 0.00	32.53 0.23 0.00	38.96 0.35 0.00	42.42 0.38 0.00	37.89 0.30 0.00	31.06 0.28 0.00	28.75 0.26 0.00	26.90 0.16 0.00	23.17 0.14 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	19.42 0.75 0.00	17.22 0.77 0.00	16.27 0.71 -0.07	15.87 0.74 -0.08	16.60 0.81 0.00	18.46 0.90 0.00	21.91 1.06 0.00	23.63 1.19 0.00	23.61 1.15 0.00	23.79 1.26 0.00	23.81 1.28 0.00	23.97 1.36 0.00	25.25 1.38 -0.09	28.67 1.61 -0.20	30.56 1.85 -0.24	31.50 1.96 -0.27	34.78 2.10 -0.37	43.31 2.66 -2.03	45.59 2.86 -0.69	40.60 2.59 -0.42	35.52 2.12 -2.61	31.71 1.82 -1.39	28.43 1.52 -0.17	24.39 1.36 0.00
VISCHER___FERRY HYD 24020	19.36 0.69 0.00	17.28 0.84 0.00	16.52 0.84 -0.20	16.10 0.81 -0.24	16.63 0.84 0.00	18.44 0.88 0.00	21.93 1.08 0.00	23.54 1.10 0.00	23.56 1.10 0.00	23.48 0.95 0.00	23.52 0.99 0.00	23.60 0.99 0.00	24.82 1.04 0.00	28.02 1.15 0.00	29.72 1.25 0.00	30.70 1.43 0.00	33.92 1.61 0.00	45.56 2.20 -4.75	44.43 2.31 -0.08	39.81 2.14 -0.08	39.96 1.72 -7.45	33.83 1.57 -3.77	28.02 1.28 0.00	24.07 1.04 0.00
V_A_10_SYNC_DSASP 323832	18.82 0.15 0.00	16.48 0.03 0.00	15.38 -0.12 -0.02	14.82 -0.26 -0.03	15.55 -0.25 0.00	17.53 -0.04 0.00	20.37 -0.48 0.00	22.19 -0.25 0.00	22.33 -0.13 0.00	22.60 0.07 0.00	22.69 0.16 0.00	22.88 0.27 0.00	24.25 0.48 0.00	27.29 0.43 0.00	29.04 0.57 0.00	30.06 0.79 0.00	33.50 1.20 0.00	39.82 0.97 -0.25	43.47 1.43 0.00	39.39 1.80 0.00	32.10 0.92 -0.39	28.89 0.20 -0.20	26.95 0.21 0.00	23.63 0.60 0.00
V_CMM_10_SYNC_DSASP 323787	18.18 -0.49 0.00	15.92 -0.53 0.00	14.99 -0.50 0.00	14.56 -0.48 0.00	15.29 -0.51 0.00	16.91 -0.65 0.00	20.05 -0.79 0.00	21.70 -0.74 0.00	21.74 -0.72 0.00	21.83 -0.70 0.00	21.85 -0.68 0.00	21.93 -0.68 0.00	23.06 -0.71 0.00	26.03 -0.83 0.00	27.47 -1.00 0.00	28.16 -1.11 0.00	30.76 -1.55 0.00	36.68 -1.93 0.00	40.06 -1.98 0.00	35.55 -2.03 0.00	29.65 -1.14 0.00	27.67 -0.83 0.00	26.15 -0.59 0.00	22.53 -0.51 0.00
V_CMP_10_SYNC_DSASP 323788	18.61 -0.06 0.00	16.28 -0.16 0.00	15.30 -0.19 0.00	14.87 -0.18 0.00	15.61 -0.19 0.00	17.28 -0.28 0.00	20.66 -0.19 0.00	22.53 0.09 0.00	22.57 0.11 0.00	22.76 0.23 0.00	22.80 0.27 0.00	22.93 0.32 0.00	24.15 0.38 0.00	27.21 0.35 0.00	28.78 0.31 0.00	29.56 0.29 0.00	32.44 0.13 0.00	38.69 0.08 0.00	42.46 0.42 0.00	37.51 -0.08 0.00	31.18 0.40 0.00	28.95 0.45 0.00	27.32 0.59 0.00	23.47 0.44 0.00
V_E_10_SYNC_DSASP 323830	20.39 1.72 0.00	17.65 1.20 0.00	16.54 1.01 -0.05	16.30 1.19 -0.07	17.13 1.33 0.00	19.16 1.60 0.00	22.87 2.02 0.00	24.79 2.36 0.00	24.57 2.11 0.00	24.85 2.32 0.00	24.85 2.32 0.00	24.98 2.37 0.00	26.57 2.54 -0.25	30.46 3.06 -0.53	32.65 3.53 -0.65	33.72 3.72 -0.73	37.69 4.39 -0.99	46.17 5.40 -2.15	50.18 6.35 -1.79	44.20 5.53 -1.08	37.16 4.56 -1.81	33.39 3.79 -1.11	30.47 3.29 -0.44	25.87 2.83 0.00
V_F_30_NSYNC___DSASP 323816	19.71 1.04 0.00	17.55 1.10 0.00	16.74 1.05 -0.20	16.32 1.02 -0.25	16.86 1.06 0.00	18.70 1.14 0.00	22.24 1.40 0.00	23.90 1.46 0.00	23.94 1.48 0.00	23.88 1.35 0.00	23.88 1.35 0.00	23.97 1.36 0.00	25.27 1.50 0.00	28.45 1.58 0.00	30.15 1.68 0.00	31.11 1.85 0.00	34.51 2.20 0.00	46.92 3.01 -5.29	45.45 3.32 -0.09	40.72 3.04 -0.09	41.52 2.43 -8.30	34.83 2.14 -4.20	28.64 1.90 0.00	24.58 1.54 0.00
V_F_30_SYNC_DSASP 323786	19.02 0.35 0.00	17.01 0.56 0.00	16.25 0.57 -0.20	15.84 0.56 -0.24	16.37 0.57 0.00	18.09 0.53 0.00	21.49 0.65 0.00	23.04 0.61 0.00	23.09 0.63 0.00	23.05 0.52 0.00	23.07 0.54 0.00	23.15 0.54 0.00	24.39 0.62 0.00	27.62 0.75 0.00	29.41 0.94 0.00	30.29 1.02 0.00	33.57 1.26 0.00	44.35 1.62 -4.12	43.79 1.68 -0.07	39.20 1.54 -0.07	38.45 1.20 -6.47	32.88 1.11 -3.27	27.51 0.78 0.00	23.61 0.58 0.00
V_XM_10_SYNC_DSASP 323789	18.61 -0.06 0.00	16.28 -0.16 0.00	15.30 -0.19 0.00	14.87 -0.18 0.00	15.61 -0.19 0.00	17.28 -0.28 0.00	20.66 -0.19 0.00	22.53 0.09 0.00	22.57 0.11 0.00	22.76 0.23 0.00	22.80 0.27 0.00	22.93 0.32 0.00	24.15 0.38 0.00	27.21 0.35 0.00	28.78 0.31 0.00	29.56 0.29 0.00	32.44 0.13 0.00	38.69 0.08 0.00	42.46 0.42 0.00	37.51 -0.08 0.00	31.18 0.40 0.00	28.95 0.45 0.00	27.32 0.59 0.00	23.47 0.44 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	19.60 0.93 0.00	17.50 1.05 0.00	16.67 1.04 -0.15	16.22 0.99 -0.18	16.81 1.01 0.00	18.67 1.11 0.00	22.29 1.44 0.00	24.01 1.57 0.00	24.10 1.64 0.00	24.13 1.60 0.00	24.13 1.60 0.00	24.15 1.54 0.00	25.34 1.57 0.00	28.64 1.77 0.00	30.57 2.11 0.00	31.52 2.25 0.00	34.83 2.52 0.00	43.72 3.36 -1.75	45.26 3.19 -0.03	40.40 2.78 -0.03	35.78 2.25 -2.75	32.02 2.14 -1.39	28.50 1.76 0.00	24.32 1.29 0.00



W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	19.66 0.99 0.00	17.58 1.13 0.00	16.75 1.11 -0.15	16.32 1.08 -0.19	16.89 1.09 0.00	18.74 1.18 0.00	22.39 1.54 0.00	24.14 1.71 0.00	24.24 1.77 0.00	24.24 1.71 0.00	24.22 1.69 0.00	24.22 1.61 0.00	25.41 1.64 0.00	28.77 1.91 0.00	30.72 2.25 0.00	31.61 2.34 0.00	34.89 2.58 0.00	43.94 3.51 -1.82	45.52 3.45 -0.03	40.47 2.86 -0.03	35.95 2.31 -2.85	32.13 2.19 -1.44	28.61 1.87 0.00	24.35 1.31 0.00
W50THST__13_KV_LOAD 356117	19.75 1.08 0.00	17.65 1.20 0.00	16.83 1.19 -0.15	16.38 1.14 -0.19	16.95 1.15 0.00	18.83 1.26 0.00	22.49 1.65 0.00	24.26 1.82 0.00	24.37 1.91 0.00	24.40 1.87 0.00	24.38 1.85 0.00	24.35 1.74 0.00	25.58 1.81 0.00	28.93 2.07 0.00	30.91 2.45 0.00	31.81 2.55 0.00	35.12 2.81 0.00	44.21 3.78 -1.82	45.81 3.74 -0.03	40.70 3.08 -0.03	36.13 2.49 -2.85	32.30 2.37 -1.44	28.74 2.01 0.00	24.46 1.43 0.00
WADING RIVER_IC_1 23522	19.27 0.60 0.00	17.43 0.99 0.00	16.54 0.90 -0.15	16.06 0.83 -0.19	16.54 0.74 0.00	18.46 0.90 0.00	22.27 1.42 0.00	24.03 1.59 0.00	23.97 1.51 0.00	23.66 1.13 0.00	23.72 1.19 0.00	23.76 1.15 0.00	24.51 0.74 0.00	27.55 0.70 0.01	29.63 1.17 0.00	30.82 1.55 0.00	33.99 1.68 0.00	42.90 2.47 -1.82	44.29 2.23 -0.02	39.41 1.80 -0.02	35.12 1.48 -2.85	31.39 1.45 -1.44	27.73 0.99 0.00	25.42 1.48 -0.91
WADING RIVER_IC_2 23547	19.27 0.60 0.00	17.43 0.99 0.00	16.54 0.90 -0.15	16.06 0.83 -0.19	16.54 0.74 0.00	18.46 0.90 0.00	22.27 1.42 0.00	24.03 1.59 0.00	23.97 1.51 0.00	23.66 1.13 0.00	23.72 1.19 0.00	23.76 1.15 0.00	24.51 0.74 0.00	27.55 0.70 0.01	29.63 1.17 0.00	30.82 1.55 0.00	33.99 1.68 0.00	42.90 2.47 -1.82	44.29 2.23 -0.02	39.41 1.80 -0.02	35.12 1.48 -2.85	31.39 1.45 -1.44	27.73 0.99 0.00	25.42 1.48 -0.91
WADING RIVER_IC_3 23601	19.27 0.60 0.00	17.43 0.99 0.00	16.54 0.90 -0.15	16.06 0.83 -0.19	16.54 0.74 0.00	18.46 0.90 0.00	22.27 1.42 0.00	24.03 1.59 0.00	23.97 1.51 0.00	23.66 1.13 0.00	23.72 1.19 0.00	23.76 1.15 0.00	24.51 0.74 0.00	27.55 0.70 0.01	29.63 1.17 0.00	30.82 1.55 0.00	33.99 1.68 0.00	42.90 2.47 -1.82	44.29 2.23 -0.02	39.41 1.80 -0.02	35.12 1.48 -2.85	31.39 1.45 -1.44	27.73 0.99 0.00	25.42 1.48 -0.91
WALDENNY_12_KV_BK2 80841	19.30 0.63 0.00	16.87 0.43 0.00	15.56 0.05 -0.03	14.99 -0.09 -0.03	15.85 0.05 0.00	17.91 0.35 0.00	20.74 -0.10 0.00	22.71 0.27 0.00	22.91 0.45 0.00	23.27 0.74 0.00	23.41 0.88 0.00	23.63 1.02 0.00	24.82 1.05 0.00	27.97 1.10 0.00	29.80 1.34 0.00	30.97 1.70 0.00	34.57 2.26 0.00	41.12 2.20 -0.31	44.69 2.65 -0.01	40.64 3.04 -0.01	32.99 1.72 -0.49	29.57 0.83 -0.25	27.49 0.75 0.00	24.41 1.38 0.00
WALDEN__HYDRO 24148	19.58 0.91 0.00	17.48 1.04 0.00	16.65 1.02 -0.15	16.20 0.98 -0.18	16.81 1.01 0.00	18.65 1.09 0.00	22.27 1.42 0.00	24.01 1.57 0.00	24.08 1.62 0.00	24.06 1.53 0.00	24.13 1.60 0.00	24.08 1.47 0.00	25.20 1.43 0.00	28.40 1.53 0.00	30.26 1.79 0.00	31.38 2.11 0.00	34.57 2.26 0.00	43.59 3.20 -1.77	45.14 3.07 -0.03	40.36 2.74 -0.03	35.76 2.19 -2.78	32.01 2.11 -1.41	28.42 1.69 0.00	24.41 1.38 0.00
WARRENSBURG____ 23737	19.92 1.25 0.00	17.71 1.27 0.00	16.88 1.19 -0.20	16.45 1.16 -0.25	17.01 1.22 0.00	18.88 1.32 0.00	22.52 1.67 0.00	24.19 1.75 0.00	24.28 1.82 0.00	24.17 1.64 0.00	24.15 1.62 0.00	24.22 1.61 0.00	25.58 1.81 0.00	28.34 1.48 0.00	29.92 1.45 0.00	30.79 1.52 0.00	34.18 1.87 0.00	47.07 3.09 -5.37	45.66 3.53 -0.09	40.91 3.23 -0.09	41.76 2.55 -8.42	34.95 2.19 -4.26	29.09 2.35 0.00	24.90 1.86 0.00
WATERSIDE____6 8 9 23538	19.66 0.99 0.00	17.56 1.12 0.00	16.77 1.13 -0.15	16.33 1.10 -0.19	16.89 1.09 0.00	18.69 1.12 0.00	22.31 1.46 0.00	24.01 1.57 0.00	24.12 1.66 0.00	24.15 1.62 0.00	24.13 1.60 0.00	24.10 1.49 0.00	25.32 1.55 0.00	28.66 1.80 0.00	30.60 2.13 0.00	31.49 2.22 0.00	34.73 2.42 0.00	43.75 3.32 -1.82	45.39 3.32 -0.03	40.25 2.63 -0.03	35.76 2.12 -2.85	32.02 2.08 -1.44	28.56 1.82 0.00	24.32 1.29 0.00
WATKINRD_115KV_LN8_ILLION 55919	18.74 0.07 0.00	16.48 0.03 0.00	15.53 0.05 0.00	15.09 0.05 0.00	15.86 0.06 0.00	17.65 0.09 0.00	20.95 0.10 0.00	22.55 0.11 0.00	22.55 0.09 0.00	22.64 0.11 0.00	22.64 0.11 0.00	22.72 0.11 0.00	23.89 0.12 0.00	27.03 0.16 0.00	28.69 0.23 0.00	29.47 0.20 0.00	32.53 0.23 0.00	38.96 0.35 0.00	42.42 0.38 0.00	37.92 0.34 0.00	31.06 0.28 0.00	28.72 0.23 0.00	26.87 0.13 0.00	23.15 0.12 0.00
WATSON____69_KV_BK 1 55734	19.73 1.06 0.00	17.75 1.30 0.00	16.83 1.19 -0.15	16.35 1.11 -0.19	16.90 1.11 0.00	18.84 1.28 0.00	22.66 1.81 0.00	24.44 2.00 0.00	24.42 1.95 0.00	24.22 1.69 0.00	24.31 1.78 0.00	24.35 1.74 0.00	25.37 1.59 0.00	28.50 1.64 0.01	30.83 2.36 0.00	31.93 2.66 0.00	35.47 3.17 0.00	44.44 4.02 -1.82	45.80 3.74 -0.02	40.80 3.19 -0.02	36.81 3.17 -2.85	32.44 2.51 -1.44	29.14 2.41 0.00	26.04 2.10 -0.91
WDELAWARE__HYD 323627	20.95 2.28 0.00	18.12 1.68 0.00	17.28 1.66 -0.14	16.81 1.59 -0.17	17.44 1.64 0.00	19.37 1.81 0.00	23.20 2.36 0.00	25.15 2.71 0.00	25.40 2.94 0.00	25.66 3.13 0.00	25.79 3.27 0.00	25.55 2.94 0.00	26.67 2.90 0.00	29.93 3.06 0.00	31.97 3.50 0.00	33.31 4.04 0.00	36.89 4.59 0.00	46.73 6.37 -1.75	47.45 5.38 -0.03	42.54 4.92 -0.03	37.47 3.94 -2.74	33.82 3.93 -1.39	29.94 3.21 0.00	25.98 2.95 0.00
WEST BABYLON__IC 23714	19.72 1.05 0.00	17.70 1.25 0.00	16.78 1.15 -0.15	16.32 1.08 -0.19	16.87 1.07 0.00	18.81 1.25 0.00	22.56 1.71 0.00	24.32 1.88 0.00	24.30 1.84 0.00	24.13 1.60 0.00	24.22 1.69 0.00	24.28 1.67 0.00	25.29 1.52 0.00	28.42 1.56 0.01	30.69 2.22 0.00	31.76 2.49 0.00	35.22 2.91 0.00	44.13 3.71 -1.82	45.51 3.45 -0.02	40.54 2.93 -0.02	36.56 2.92 -2.85	32.27 2.34 -1.44	29.04 2.30 0.00	25.97 2.03 -0.91
WEST CANADA__HYD 24049	18.73 0.06 0.00	16.50 0.05 0.00	15.53 0.05 0.00	15.11 0.06 0.00	15.86 0.06 0.00	17.65 0.09 0.00	20.95 0.10 0.00	22.53 0.09 0.00	22.55 0.09 0.00	22.62 0.09 0.00	22.62 0.09 0.00	22.70 0.09 0.00	23.84 0.07 0.00	26.97 0.11 0.00	28.61 0.14 0.00	29.44 0.18 0.00	32.50 0.20 0.00	38.88 0.27 0.00	42.34 0.30 0.00	37.85 0.26 0.00	31.00 0.22 0.00	28.67 0.17 0.00	26.84 0.11 0.00	23.13 0.09 0.00
WESTERN_NY_WIND 24143	19.21 0.54 0.00	16.84 0.39 0.00	15.56 0.05 -0.02	14.99 -0.09 -0.03	15.75 -0.05 0.00	17.91 0.35 0.00	20.62 -0.23 0.00	22.44 0.00 0.00	22.73 0.27 0.00	23.00 0.47 0.00	23.14 0.61 0.00	23.33 0.72 0.00	24.65 0.88 0.00	27.97 1.10 0.00	29.83 1.37 0.00	30.67 1.40 0.00	34.47 2.16 0.00	41.09 2.20 -0.28	45.15 3.11 0.00	40.86 3.27 0.00	32.97 1.75 -0.43	29.57 0.85 -0.22	27.54 0.80 0.00	24.30 1.27 0.00



WESTOVER___LESR 323668	19.23 0.56 0.00	16.89 0.44 0.00	15.83 0.29 -0.05	15.39 0.29 -0.06	16.16 0.36 0.00	18.05 0.49 0.00	21.37 0.52 0.00	23.11 0.67 0.00	23.16 0.70 0.00	23.30 0.77 0.00	23.32 0.79 0.00	23.43 0.81 0.00	24.81 0.81 -0.23	28.25 0.91 -0.48	30.16 1.11 -0.59	31.18 1.26 -0.66	34.75 1.55 -0.89	42.34 1.74 -1.99	45.63 1.98 -1.61	40.51 1.95 -0.97	33.89 1.39 -1.72	30.53 1.00 -1.04	27.96 0.83 -0.40	23.98 0.94 0.00
WETHRSFD_WT_PWR 323626	19.23 0.56 0.00	16.79 0.35 0.00	15.48 -0.03 -0.03	15.05 -0.03 -0.04	15.81 0.02 0.00	17.89 0.33 0.00	20.87 0.02 0.00	22.69 0.25 0.00	22.96 0.49 0.00	23.30 0.77 0.00	23.27 0.74 0.00	23.47 0.86 0.00	24.77 1.00 0.00	28.08 1.21 0.00	29.95 1.48 0.00	30.82 1.55 0.00	34.51 2.20 0.00	41.20 2.24 -0.35	44.91 2.86 -0.01	40.56 2.97 -0.01	33.00 1.66 -0.55	29.68 0.91 -0.28	27.57 0.83 0.00	24.16 1.13 0.00
WHAVSTOR_138KV_BK127 55557	19.55 0.88 0.00	17.47 1.02 0.00	16.62 0.99 -0.15	16.19 0.96 -0.18	16.78 0.98 0.00	18.62 1.05 0.00	22.22 1.38 0.00	23.94 1.50 0.00	24.01 1.55 0.00	24.04 1.51 0.00	24.04 1.51 0.00	24.04 1.42 0.00	25.22 1.45 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.38 2.11 0.00	34.67 2.36 0.00	43.49 3.13 -1.75	45.10 3.03 -0.03	40.21 2.59 -0.03	35.66 2.12 -2.75	31.88 1.99 -1.39	28.39 1.66 0.00	24.23 1.20 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	19.55 0.88 0.00	17.47 1.02 0.00	16.62 0.99 -0.15	16.19 0.96 -0.18	16.78 0.98 0.00	18.62 1.05 0.00	22.22 1.38 0.00	23.94 1.50 0.00	24.01 1.55 0.00	24.04 1.51 0.00	24.04 1.51 0.00	24.04 1.42 0.00	25.22 1.45 0.00	28.53 1.67 0.00	30.46 1.99 0.00	31.38 2.11 0.00	34.67 2.36 0.00	43.49 3.13 -1.75	45.10 3.03 -0.03	40.21 2.59 -0.03	35.66 2.12 -2.75	31.88 1.99 -1.39	28.39 1.66 0.00	24.23 1.20 0.00
WHITEHAL_115KV_TB1 80871	20.26 1.59 0.00	18.01 1.56 0.00	17.14 1.46 -0.20	16.71 1.41 -0.25	17.28 1.49 0.00	19.21 1.65 0.00	22.95 2.11 0.00	24.64 2.20 0.00	24.75 2.29 0.00	24.63 2.10 0.00	24.53 2.01 0.00	24.65 2.03 0.00	26.10 2.33 0.00	29.04 2.18 0.00	30.77 2.31 0.00	31.67 2.40 0.00	35.35 3.04 0.00	48.39 4.44 -5.34	47.30 5.17 -0.09	42.34 4.66 -0.09	42.85 3.69 -8.37	35.86 3.13 -4.24	29.14 2.41 0.00	25.45 2.42 0.00
WHITEPLN_13_KV_LOAD 356215	19.70 1.03 0.00	17.60 1.15 0.00	16.77 1.13 -0.15	16.31 1.08 -0.19	16.90 1.11 0.00	18.76 1.19 0.00	22.39 1.54 0.00	24.14 1.71 0.00	24.21 1.75 0.00	24.22 1.69 0.00	24.22 1.69 0.00	24.24 1.63 0.00	25.44 1.66 0.00	28.77 1.91 0.00	30.77 2.31 0.00	31.70 2.43 0.00	34.99 2.68 0.00	43.98 3.55 -1.81	45.60 3.53 -0.03	40.59 2.97 -0.03	36.03 2.40 -2.85	32.18 2.25 -1.44	28.61 1.87 0.00	24.37 1.34 0.00
WM_FLOYD_69_KV_BK2 356380	19.45 0.78 0.00	17.55 1.10 0.00	16.64 1.01 -0.15	16.16 0.93 -0.19	16.68 0.88 0.00	18.62 1.05 0.00	22.41 1.56 0.00	24.17 1.73 0.00	24.15 1.68 0.00	23.88 1.35 0.00	23.90 1.37 0.00	23.95 1.33 0.00	24.94 1.16 0.00	28.04 1.18 0.01	30.35 1.88 0.00	31.40 2.14 0.00	34.89 2.58 0.00	43.75 3.32 -1.82	45.09 3.03 -0.02	40.13 2.52 -0.02	36.32 2.68 -2.85	31.99 2.05 -1.44	28.72 1.98 0.00	25.63 1.68 -0.91
WOODARD__115KV_TB2 355635	18.69 0.02 0.00	16.40 -0.05 0.00	15.42 -0.08 -0.01	14.99 -0.08 -0.02	15.73 -0.06 0.00	17.56 0.00 0.00	20.83 -0.02 0.00	22.42 -0.02 0.00	22.44 -0.02 0.00	22.55 0.02 0.00	22.55 0.02 0.00	22.66 0.05 0.00	24.21 0.05 -0.39	27.73 0.05 -0.82	29.59 0.11 -1.01	30.57 0.18 -1.13	34.13 0.29 -1.53	41.35 0.27 -2.47	45.17 0.38 -2.75	39.65 0.41 -1.66	32.47 0.22 -1.47	29.53 0.00 -1.04	27.37 -0.05 -0.68	23.06 0.02 0.00
YORK___WARBASSE 23770	19.73 1.06 0.00	17.63 1.18 0.00	16.81 1.18 -0.15	16.38 1.14 -0.19	16.94 1.14 0.00	18.72 1.16 0.00	22.35 1.50 0.00	23.96 1.53 0.00	24.08 1.62 0.00	24.13 1.60 0.00	24.08 1.55 0.00	24.06 1.45 0.00	25.27 1.50 0.00	28.72 1.85 0.00	30.57 2.11 0.00	31.46 2.20 0.00	34.70 2.39 0.00	43.86 3.44 -1.82	45.64 3.57 -0.03	40.29 2.67 -0.03	35.82 2.19 -2.85	32.10 2.17 -1.44	28.69 1.95 0.00	24.44 1.40 0.00