

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

## Generator Data

03/11/2024

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	22.83	22.71	21.68	22.03	22.38	26.35	30.92	44.93	79.28	27.19	21.84	20.82	19.61	16.49	15.32	15.99	14.75	18.16	23.86	38.72	24.63	29.53	22.42	19.27
24138	1.15	1.07	0.87	0.67	0.68	0.95	1.83	2.97	5.28	1.76	1.38	1.29	1.14	0.95	0.90	0.92	0.89	1.08	1.41	2.52	1.51	1.62	1.28	1.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	22.80	22.69	21.67	22.02	22.37	26.34	30.88	44.86	79.08	27.12	21.80	20.76	19.55	16.44	15.29	15.95	14.71	18.12	23.83	38.69	24.60	29.50	22.38	19.25
24260	1.12	1.05	0.86	0.66	0.68	0.93	1.79	2.89	5.08	1.69	1.34	1.24	1.08	0.90	0.87	0.88	0.86	1.04	1.38	2.48	1.48	1.60	1.25	0.99
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_2	22.80	22.69	21.67	22.02	22.37	26.34	30.88	44.86	79.08	27.12	21.80	20.76	19.55	16.44	15.29	15.95	14.71	18.12	23.83	38.69	24.60	29.50	22.38	19.25
24261	1.12	1.05	0.86	0.66	0.68	0.93	1.79	2.89	5.08	1.69	1.34	1.24	1.08	0.90	0.87	0.88	0.86	1.04	1.38	2.48	1.48	1.60	1.25	0.99
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	22.63	22.65	21.71	22.12	22.44	26.42	30.92	44.75	79.40	26.82	21.55	20.50	19.39	16.38	15.09	15.72	14.37	17.87	23.86	38.54	24.48	29.42	22.16	19.00
24011	0.96	1.01	0.90	0.76	0.75	1.02	1.82	2.78	5.40	1.39	1.08	0.97	0.93	0.84	0.66	0.66	0.51	0.79	1.41	2.33	1.36	1.52	1.03	0.74
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK RESOURCE___RCVRY	22.71	22.75	21.81	22.20	22.53	26.55	31.16	45.08	80.09	26.97	21.65	20.57	19.48	16.50	15.21	15.84	14.42	17.96	24.03	38.82	24.65	29.56	22.24	19.05
23798	1.03	1.10	1.00	0.83	0.83	1.14	2.06	3.11	6.09	1.54	1.18	1.05	1.02	0.96	0.78	0.77	0.56	0.88	1.59	2.62	1.54	1.66	1.11	0.80
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS	22.63	22.65	21.71	22.12	22.44	26.42	30.92	44.75	79.40	26.82	21.55	20.50	19.39	16.38	15.09	15.72	14.37	17.87	23.86	38.54	24.48	29.42	22.16	19.00
24028	0.96	1.01	0.90	0.76	0.75	1.02	1.82	2.78	5.40	1.39	1.08	0.97	0.93	0.84	0.66	0.66	0.51	0.79	1.41	2.33	1.36	1.52	1.03	0.74
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK_NYS___DAM	22.34	22.38	21.43	21.80	21.93	25.74	30.10	43.62	77.22	26.16	21.02	20.05	18.96	16.04	14.86	15.43	14.13	17.45	23.21	37.37	23.82	28.85	21.80	18.73
23527	0.67	0.73	0.62	0.44	0.23	0.33	1.00	1.66	3.21	0.73	0.56	0.53	0.49	0.51	0.44	0.36	0.28	0.37	0.76	1.17	0.70	0.95	0.67	0.48
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP	22.32	22.30	21.37	21.80	22.09	25.92	30.18	43.64	77.09	26.27	21.13	20.14	19.01	16.02	14.86	15.49	14.24	17.60	23.26	37.56	23.93	28.86	21.85	18.80
24190	0.64	0.65	0.56	0.43	0.40	0.52	1.09	1.67	3.09	0.84	0.66	0.61	0.54	0.47	0.44	0.42	0.39	0.52	0.82	1.35	0.81	0.96	0.72	0.55
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AKWESSNE_115KV_BK	21.47	21.39	20.61	21.31	21.61	25.21	19.50	41.26	72.56	25.21	11.77	19.43	18.45	15.53	14.38	15.03	13.81	16.96	16.31	35.76	22.92	27.79	21.03	18.19
355683	-0.21	-0.25	-0.20	-0.05	-0.08	-0.19	-0.50	-0.71	-1.44	-0.23	-0.13	-0.10	-0.02	-0.01	-0.05	-0.04	-0.05	-0.12	-0.25	-0.44	-0.19	-0.12	-0.10	-0.06
	0.00	0.00	0.00	0.00	0.00	0.00	9.09	0.00	0.00	0.00	8.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.88	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR	22.51	22.50	21.58	22.05	22.35	26.23	30.41	43.96	77.60	26.44	21.25	20.25	19.10	16.08	14.91	15.57	14.33	17.73	23.45	37.84	24.10	29.05	21.99	18.93
323833	0.83	0.85	0.76	0.69	0.65	0.82	1.31	1.99	3.60	1.02	0.78	0.73	0.63	0.54	0.49	0.50	0.47	0.64	1.00	1.64	0.98	1.14	0.86	0.68
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_2_SOLAR	22.50	22.49	21.57	22.04	22.34	26.22	30.41	43.94	77.60	26.44	21.24	20.24	19.10	16.07	14.91	15.57	14.33	17.72	23.43	37.84	24.10	29.05	21.98	18.93
323834	0.83	0.85	0.76	0.68	0.64	0.82	1.31	1.97	3.59	1.01	0.78	0.72	0.63	0.53	0.49	0.50	0.47	0.64	0.99	1.63	0.98	1.14	0.85	0.67
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	22.32	22.30	21.37	21.80	22.09	25.92	30.18	43.64	77.09	26.27	21.13	20.14	19.01	16.02	14.86	15.49	14.24	17.60	23.26	37.56	23.93	28.86	21.85	18.80
23571	0.64	0.65	0.56	0.43	0.40	0.52	1.09	1.67	3.09	0.84	0.66	0.61	0.54	0.47	0.44	0.42	0.39	0.52	0.82	1.35	0.81	0.96	0.72	0.55
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



ALBANY___2 23572	22.32 0.64 0.00	22.30 0.65 0.00	21.37 0.56 0.00	21.80 0.43 0.00	22.09 0.40 0.00	25.92 0.52 0.00	30.18 1.09 0.00	43.64 1.67 0.00	77.09 3.09 0.00	26.27 0.84 0.00	21.13 0.66 0.00	20.14 0.61 0.00	19.01 0.54 0.00	16.02 0.47 0.00	14.86 0.44 0.00	15.49 0.42 0.00	14.24 0.39 0.00	17.60 0.52 0.00	23.26 0.82 0.00	37.56 1.35 0.00	23.93 0.81 0.00	28.86 0.96 0.00	21.85 0.72 0.00	18.80 0.55 0.00
ALBANY___3 23573	22.32 0.64 0.00	22.30 0.65 0.00	21.37 0.56 0.00	21.80 0.43 0.00	22.09 0.40 0.00	25.92 0.52 0.00	30.18 1.09 0.00	43.64 1.67 0.00	77.09 3.09 0.00	26.27 0.84 0.00	21.13 0.66 0.00	20.14 0.61 0.00	19.01 0.54 0.00	16.02 0.47 0.00	14.86 0.44 0.00	15.49 0.42 0.00	14.24 0.39 0.00	17.60 0.52 0.00	23.26 0.82 0.00	37.56 1.35 0.00	23.93 0.81 0.00	28.86 0.96 0.00	21.85 0.72 0.00	18.80 0.55 0.00
ALBANY___4 23574	22.32 0.64 0.00	22.30 0.65 0.00	21.37 0.56 0.00	21.80 0.43 0.00	22.09 0.40 0.00	25.92 0.52 0.00	30.18 1.09 0.00	43.64 1.67 0.00	77.09 3.09 0.00	26.27 0.84 0.00	21.13 0.66 0.00	20.14 0.61 0.00	19.01 0.54 0.00	16.02 0.47 0.00	14.86 0.44 0.00	15.49 0.42 0.00	14.24 0.39 0.00	17.60 0.52 0.00	23.26 0.82 0.00	37.56 1.35 0.00	23.93 0.81 0.00	28.86 0.96 0.00	21.85 0.72 0.00	18.80 0.55 0.00
ALBANY___LFGE 323615	22.45 0.77 0.00	22.43 0.79 0.00	21.50 0.68 0.00	21.93 0.57 0.00	22.22 0.52 0.00	26.07 0.67 0.00	30.38 1.29 0.00	43.93 1.97 0.00	77.61 3.61 0.00	26.44 1.01 0.00	21.26 0.79 0.00	20.28 0.75 0.00	19.14 0.67 0.00	16.11 0.57 0.00	14.95 0.53 0.00	15.58 0.51 0.00	14.33 0.47 0.00	17.72 0.64 0.00	23.42 0.98 0.00	37.81 1.60 0.00	24.08 0.96 0.00	29.04 1.14 0.00	21.99 0.85 0.00	18.91 0.66 0.00
ALCOA_PA_115KV_PL-6C 55860	22.70 -0.10 -1.12	22.62 -0.14 -1.12	21.81 -0.10 -1.10	22.52 0.04 -1.12	22.83 0.01 -1.12	26.47 -0.15 -1.22	20.81 -0.46 7.82	42.46 -0.63 -1.13	75.11 -1.34 -2.45	26.46 -0.19 -1.22	12.93 -0.12 7.42	20.50 -0.10 -1.07	19.49 -0.03 -1.04	16.48 -0.03 -0.97	15.27 -0.09 -0.94	15.93 -0.09 -0.95	14.68 -0.10 -0.92	17.91 -0.17 -1.00	17.44 -0.30 4.71	37.20 -0.49 -1.49	24.11 -0.17 -1.16	29.11 -0.08 -1.29	22.16 -0.08 -1.11	19.24 -0.04 -1.03
ALCOA_RYNLDS___DRP 24188	22.70 -0.10 -1.12	22.62 -0.14 -1.12	21.81 -0.10 -1.10	22.52 0.04 -1.12	22.83 0.01 -1.12	26.47 -0.15 -1.22	20.81 -0.46 7.82	42.46 -0.63 -1.13	75.11 -1.34 -2.45	26.46 -0.19 -1.22	12.93 -0.12 7.42	20.50 -0.10 -1.07	19.49 -0.03 -1.04	16.48 -0.03 -0.97	15.27 -0.09 -0.94	15.93 -0.09 -0.95	14.68 -0.10 -0.92	17.91 -0.17 -1.00	17.44 -0.30 4.71	37.20 -0.49 -1.49	24.11 -0.17 -1.16	29.11 -0.08 -1.29	22.16 -0.08 -1.11	19.24 -0.04 -1.03
ALCOA___DSASP 323711	22.70 -0.10 -1.12	22.62 -0.14 -1.12	21.81 -0.10 -1.10	22.52 0.04 -1.12	22.83 0.01 -1.12	26.47 -0.15 -1.22	20.81 -0.46 7.82	42.46 -0.63 -1.13	75.10 -1.35 -2.45	26.46 -0.19 -1.22	12.93 -0.12 7.42	20.50 -0.10 -1.07	19.49 -0.03 -1.04	16.48 -0.03 -0.97	15.27 -0.09 -0.94	15.94 -0.09 -0.95	14.68 -0.10 -0.92	17.91 -0.17 -1.00	17.44 -0.30 4.71	37.20 -0.50 -1.49	24.11 -0.17 -1.16	29.11 -0.08 -1.29	22.16 -0.08 -1.11	19.24 -0.04 -1.03
ALLEGHENY___COGEN 23514	21.60 -0.08 0.00	21.86 0.21 0.00	20.99 0.18 0.00	21.47 0.11 0.00	22.12 0.43 0.00	25.99 0.59 0.00	29.58 0.49 0.00	42.52 0.56 0.00	74.43 0.43 0.00	24.49 -0.94 0.00	19.42 -1.04 0.00	18.54 -0.98 0.00	17.59 -0.88 0.00	14.70 -0.83 0.00	13.71 -0.71 0.00	14.45 -0.61 0.00	13.31 -0.55 0.00	16.55 -0.53 0.00	21.89 -0.55 0.00	36.10 -0.11 0.00	23.09 -0.03 0.00	27.68 -0.23 0.00	20.84 -0.29 0.00	18.08 -0.17 0.00
ALTAMONT_115KV_TB 2 55880	22.21 0.53 0.00	22.18 0.53 0.00	21.26 0.45 0.00	21.71 0.35 0.00	22.02 0.32 0.00	25.83 0.43 0.00	29.96 0.86 0.00	43.32 1.35 0.00	76.50 2.50 0.00	26.10 0.67 0.00	20.99 0.52 0.00	20.01 0.48 0.00	18.89 0.42 0.00	15.90 0.35 0.00	14.75 0.33 0.00	15.38 0.31 0.00	14.15 0.29 0.00	17.49 0.41 0.00	23.09 0.64 0.00	37.29 1.09 0.00	23.77 0.65 0.00	28.65 0.74 0.00	21.69 0.56 0.00	18.68 0.43 0.00
ALTONA_WT_PWR 323606	-21.05 -0.91 41.82	-21.04 -0.95 41.74	-21.05 -0.86 41.00	-21.07 -0.76 41.67	-21.07 -0.80 41.96	-21.05 -1.02 45.44	-17.68 -1.39 45.38	-1.94 -1.83 42.08	-20.89 -3.44 91.45	-21.02 -0.89 45.56	-20.99 -0.65 40.81	-21.04 -0.64 39.93	-21.04 -0.55 38.97	-21.04 -0.46 36.11	-21.05 -0.47 35.00	-21.08 -0.53 35.62	-21.09 -0.52 34.43	-21.07 -0.70 37.45	-21.05 -0.98 42.52	-21.07 -1.57 55.71	-21.06 -0.90 43.28	-21.07 -0.97 48.00	-21.08 -0.77 41.44	-21.06 -0.71 38.60
AMERICAN_REF_FUEL 24010	19.78 -1.90 0.00	19.97 -1.68 0.00	19.35 -1.46 0.00	19.96 -1.40 0.00	20.56 -1.14 0.00	24.10 -1.30 0.00	26.37 -2.73 0.00	37.20 -4.77 0.00	65.54 -8.46 0.00	22.46 -2.97 0.00	17.85 -2.62 0.00	17.06 -2.47 0.00	16.33 -2.14 0.00	13.70 -1.84 0.00	12.78 -1.64 0.00	13.48 -1.58 0.00	12.34 -1.51 0.00	15.09 -2.00 0.00	19.72 -2.72 0.00	31.85 -4.36 0.00	20.44 -2.68 0.00	24.53 -3.38 0.00	18.38 -2.75 0.00	16.26 -1.99 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	20.22 -1.45 0.00	20.39 -1.26 0.00	19.66 -1.16 0.00	20.17 -1.19 0.00	20.83 -0.86 0.00	24.55 -0.85 0.00	27.30 -1.80 0.00	38.65 -3.32 0.00	68.68 -5.33 0.00	23.20 -2.23 0.00	18.49 -1.97 0.00	17.63 -1.90 0.00	16.77 -1.70 0.00	14.00 -1.54 0.00	13.09 -1.34 0.00	13.80 -1.27 0.00	12.59 -1.27 0.00	15.48 -1.60 0.00	20.38 -2.07 0.00	32.97 -3.23 0.00	21.26 -1.86 0.00	25.25 -2.65 0.00	18.90 -2.24 0.00	16.77 -1.48 0.00
ARTHUR KILL_GT_1 23520	22.82 1.14 0.00	22.74 1.10 0.00	21.73 0.92 0.00	22.07 0.71 0.00	22.42 0.72 0.00	26.39 0.99 0.00	30.85 1.76 0.00	44.43 2.46 0.00	78.43 4.44 0.01	27.05 1.62 0.00	21.75 1.28 0.00	20.69 1.16 0.00	19.48 1.01 0.00	16.37 0.83 0.00	15.20 0.78 0.00	15.85 0.78 0.00	14.63 0.77 0.00	18.09 1.00 0.00	23.88 1.43 0.00	38.68 2.47 0.00	24.62 1.51 0.00	29.51 1.60 0.00	22.43 1.30 0.00	19.27 1.02 0.00
ARTHUR_KILL_2 23512	22.75 1.08 0.00	22.68 1.04 0.00	21.67 0.86 0.00	22.01 0.65 0.00	22.35 0.66 0.00	26.32 0.91 0.00	30.76 1.67 0.00	44.30 2.34 0.00	78.19 4.19 0.01	26.97 1.55 0.00	21.70 1.23 0.00	20.63 1.11 0.00	19.44 0.97 0.00	16.33 0.79 0.00	15.17 0.75 0.00	15.81 0.75 0.00	14.60 0.74 0.00	18.04 0.96 0.00	23.81 1.37 0.00	38.57 2.36 0.00	24.55 1.44 0.00	29.42 1.51 0.00	22.36 1.23 0.00	19.22 0.96 0.00
ARTHUR_KILL_3 23513	22.56 0.89 0.00	22.46 0.82 0.00	21.45 0.64 0.00	21.78 0.41 0.00	22.13 0.43 0.00	26.06 0.65 0.00	30.54 1.45 0.00	44.36 2.40 0.00	78.12 4.11 0.00	26.77 1.34 0.00	21.51 1.05 0.00	20.51 0.98 0.00	19.31 0.84 0.00	16.23 0.69 0.00	15.09 0.67 0.00	15.75 0.68 0.00	14.52 0.66 0.00	17.90 0.82 0.00	23.53 1.09 0.00	38.21 2.01 0.00	24.31 1.19 0.00	29.15 1.24 0.00	22.14 1.02 0.00	19.04 0.79 0.00



[illegible]



ASTORIA_GT4_4 24105	22.63 0.95 0.00	22.55 0.91 0.00	21.57 0.76 0.00	21.83 0.47 0.00	22.18 0.49 0.00	26.06 0.65 0.00	30.57 1.48 0.00	44.35 2.38 0.00	78.26 4.26 0.00	26.86 1.43 0.00	21.66 1.19 0.00	20.56 1.04 0.00	19.36 0.88 0.00	16.26 0.72 0.00	15.11 0.69 0.00	15.76 0.70 0.00	14.52 0.66 0.00	17.86 0.78 0.00	23.45 1.01 0.00	38.12 1.92 0.00	24.41 1.29 0.00	29.26 1.35 0.00	22.23 1.10 0.00	19.13 0.88 0.00
ASTORIA_GT_1 23523	22.67 0.99 0.00	22.60 0.95 0.00	21.59 0.78 0.00	21.85 0.49 0.00	22.21 0.51 0.00	26.10 0.70 0.00	30.63 1.53 0.00	44.43 2.46 0.00	78.43 4.42 0.00	26.92 1.50 0.00	21.70 1.23 0.00	20.60 1.08 0.00	19.39 0.92 0.00	16.29 0.75 0.01	15.14 0.72 0.00	15.80 0.73 0.00	14.54 0.69 0.01	17.89 0.81 0.01	23.48 1.04 0.01	38.18 1.98 0.00	24.45 1.33 0.00	29.31 1.40 0.00	22.27 1.14 0.00	19.16 0.91 0.00
ASTORIA_GT_10 24110	22.64 0.96 0.00	22.53 0.89 0.00	21.54 0.72 0.00	21.85 0.49 0.00	22.20 0.51 0.00	26.13 0.73 0.00	30.64 1.55 0.00	44.47 2.50 0.00	78.46 4.45 0.00	26.91 1.48 0.00	21.64 1.17 0.00	20.60 1.08 0.00	19.39 0.93 0.00	16.34 0.80 0.00	15.19 0.76 0.00	15.84 0.78 0.00	14.60 0.75 0.00	17.99 0.91 0.00	23.66 1.22 0.00	38.38 2.18 0.00	24.41 1.29 0.00	29.28 1.37 0.00	22.22 1.09 0.00	19.12 0.87 0.00
ASTORIA_GT_11 24225	22.64 0.96 0.00	22.53 0.89 0.00	21.54 0.72 0.00	21.85 0.49 0.00	22.20 0.51 0.00	26.13 0.73 0.00	30.64 1.55 0.00	44.47 2.50 0.00	78.46 4.45 0.00	26.91 1.48 0.00	21.64 1.17 0.00	20.60 1.08 0.00	19.39 0.93 0.00	16.34 0.80 0.00	15.19 0.76 0.00	15.84 0.78 0.00	14.60 0.75 0.00	17.99 0.91 0.00	23.66 1.22 0.00	38.38 2.18 0.00	24.41 1.29 0.00	29.28 1.37 0.00	22.22 1.09 0.00	19.12 0.87 0.00
ASTORIA_GT_12 24226	22.64 0.96 0.00	22.53 0.89 0.00	21.54 0.72 0.00	21.85 0.49 0.00	22.20 0.51 0.00	26.13 0.73 0.00	30.64 1.55 0.00	44.47 2.50 0.00	78.46 4.45 0.00	26.91 1.48 0.00	21.64 1.17 0.00	20.60 1.08 0.00	19.39 0.93 0.00	16.34 0.80 0.00	15.19 0.76 0.00	15.84 0.78 0.00	14.60 0.75 0.00	17.99 0.91 0.00	23.66 1.22 0.00	38.38 2.18 0.00	24.41 1.29 0.00	29.28 1.37 0.00	22.22 1.09 0.00	19.12 0.87 0.00
ASTORIA_GT_13 24227	22.64 0.96 0.00	22.53 0.89 0.00	21.54 0.72 0.00	21.85 0.49 0.00	22.20 0.51 0.00	26.13 0.73 0.00	30.64 1.55 0.00	44.47 2.50 0.00	78.46 4.45 0.00	26.91 1.48 0.00	21.64 1.17 0.00	20.60 1.08 0.00	19.39 0.93 0.00	16.34 0.80 0.00	15.19 0.76 0.00	15.84 0.78 0.00	14.60 0.75 0.00	17.99 0.91 0.00	23.66 1.22 0.00	38.38 2.18 0.00	24.41 1.29 0.00	29.28 1.37 0.00	22.22 1.09 0.00	19.12 0.87 0.00
ASTORIA_GT_5 24106	22.67 0.99 0.00	22.59 0.94 0.00	21.60 0.79 0.00	21.86 0.50 0.00	22.22 0.53 0.00	26.10 0.70 0.00	30.63 1.53 0.00	44.42 2.46 0.00	78.43 4.43 0.00	26.92 1.49 0.00	21.70 1.24 0.00	20.60 1.08 0.00	19.39 0.92 0.00	16.29 0.75 0.00	15.14 0.72 0.00	15.79 0.73 0.00	14.55 0.69 0.00	17.89 0.81 0.00	23.49 1.04 0.00	38.19 1.98 0.00	24.45 1.33 0.00	29.31 1.41 0.00	22.27 1.14 0.00	19.17 0.91 0.00
ASTORIA_GT_7 24107	22.67 0.99 0.00	22.59 0.94 0.00	21.60 0.79 0.00	21.86 0.50 0.00	22.22 0.53 0.00	26.10 0.70 0.00	30.63 1.53 0.00	44.42 2.46 0.00	78.43 4.43 0.00	26.92 1.49 0.00	21.70 1.24 0.00	20.60 1.08 0.00	19.39 0.92 0.00	16.29 0.75 0.00	15.14 0.72 0.00	15.79 0.73 0.00	14.55 0.69 0.00	17.89 0.81 0.00	23.49 1.04 0.00	38.19 1.98 0.00	24.45 1.33 0.00	29.31 1.41 0.00	22.27 1.14 0.00	19.17 0.91 0.00
ASTORIA_GT_8 24108	22.67 0.99 0.00	22.59 0.94 0.00	21.60 0.79 0.00	21.86 0.50 0.00	22.22 0.53 0.00	26.10 0.70 0.00	30.63 1.53 0.00	44.42 2.46 0.00	78.43 4.43 0.00	26.92 1.49 0.00	21.70 1.24 0.00	20.60 1.08 0.00	19.39 0.92 0.00	16.29 0.75 0.00	15.14 0.72 0.00	15.79 0.73 0.00	14.55 0.69 0.00	17.89 0.81 0.00	23.49 1.04 0.00	38.19 1.98 0.00	24.45 1.33 0.00	29.31 1.41 0.00	22.27 1.14 0.00	19.17 0.91 0.00
ASTORIA___2 24149	22.63 0.95 0.00	22.56 0.91 0.00	21.56 0.75 0.00	21.82 0.46 0.00	22.17 0.47 0.00	26.05 0.65 0.00	30.57 1.47 0.00	44.34 2.37 0.00	78.25 4.25 0.00	26.86 1.43 0.00	21.65 1.18 0.00	20.56 1.04 0.00	19.36 0.88 0.00	16.26 0.72 0.01	15.11 0.69 0.00	15.77 0.70 0.00	14.51 0.66 0.01	17.85 0.78 0.01	23.44 1.00 0.01	38.11 1.92 0.00	24.41 1.29 0.00	29.26 1.35 0.00	22.23 1.10 0.00	19.13 0.88 0.00
ASTORIA___3 23516	22.63 0.95 0.00	22.56 0.91 0.00	21.56 0.75 0.00	21.82 0.46 0.00	22.17 0.47 0.00	26.05 0.65 0.00	30.57 1.47 0.00	44.34 2.37 0.00	78.25 4.25 0.00	26.86 1.43 0.00	21.65 1.18 0.00	20.56 1.04 0.00	19.36 0.88 0.00	16.26 0.72 0.01	15.11 0.69 0.00	15.77 0.70 0.00	14.51 0.66 0.01	17.85 0.78 0.01	23.44 1.00 0.01	38.13 1.93 0.00	24.41 1.29 0.00	29.28 1.37 0.00	22.22 1.09 0.00	19.12 0.87 0.00
ASTORIA___4 23517	22.63 0.95 0.00	22.55 0.91 0.00	21.57 0.76 0.00	21.83 0.47 0.00	22.18 0.49 0.00	26.06 0.65 0.00	30.57 1.48 0.00	44.35 2.38 0.00	78.26 4.26 0.00	26.86 1.43 0.00	21.66 1.19 0.00	20.56 1.04 0.00	19.36 0.88 0.00	16.26 0.72 0.00	15.11 0.69 0.00	15.76 0.70 0.00	14.52 0.66 0.00	17.86 0.78 0.00	23.45 1.01 0.00	38.14 1.93 0.00	24.41 1.29 0.00	29.28 1.37 0.00	22.22 1.09 0.00	19.12 0.87 0.00
ASTORIA___5 23518	22.64 0.96 0.00	22.54 0.89 0.00	21.53 0.72 0.00	21.85 0.49 0.00	22.19 0.50 0.00	26.13 0.73 0.00	30.64 1.55 0.00	44.47 2.50 0.00	78.45 4.45 0.00	26.91 1.48 0.00	21.64 1.17 0.00	20.60 1.08 0.00	19.39 0.93 0.00	16.34 0.80 0.00	15.19 0.76 0.00	15.85 0.78 0.00	14.60 0.75 0.00	17.99 0.91 0.00	23.66 1.22 0.00	38.39 2.18 0.00	24.41 1.29 0.00	29.28 1.37 0.00	22.22 1.09 0.00	19.12 0.87 0.00
AST_ENERGY_2_CC3 323677	22.64 0.96 0.00	22.53 0.89 0.00	21.51 0.70 0.00	21.85 0.49 0.00	22.19 0.50 0.00	26.12 0.72 0.00	30.63 1.53 0.00	44.48 2.51 0.00	78.42 4.41 0.00	26.90 1.47 0.00	21.61 1.14 0.00	20.61 1.08 0.00	19.41 0.94 0.00	16.31 0.77 0.00	15.17 0.75 0.00	15.82 0.75 0.00	14.59 0.73 0.00	17.97 0.89 0.00	23.63 1.18 0.00	38.39 2.19 0.00	24.40 1.28 0.00	29.25 1.35 0.00	22.23 1.10 0.00	19.13 0.88 0.00
AST_ENERGY_2_CC4 323678	22.64 0.96 0.00	22.53 0.89 0.00	21.51 0.70 0.00	21.85 0.49 0.00	22.19 0.50 0.00	26.12 0.72 0.00	30.63 1.53 0.00	44.48 2.51 0.00	78.42 4.41 0.00	26.90 1.47 0.00	21.61 1.14 0.00	20.61 1.08 0.00	19.41 0.94 0.00	16.31 0.77 0.00	15.17 0.75 0.00	15.82 0.75 0.00	14.59 0.73 0.00	17.97 0.89 0.00	23.63 1.18 0.00	38.39 2.19 0.00	24.40 1.28 0.00	29.25 1.35 0.00	22.23 1.10 0.00	19.13 0.88 0.00



ATHENS_STG_1 23668	22.21 0.54 0.00	22.16 0.52 0.00	21.24 0.42 0.00	21.64 0.28 0.00	21.96 0.26 0.00	25.78 0.37 0.00	29.99 0.89 0.00	43.40 1.43 0.00	76.64 2.64 0.00	26.15 0.72 0.00	21.02 0.56 0.00	20.04 0.51 0.00	18.89 0.42 0.00	15.91 0.37 0.00	14.78 0.36 0.00	15.42 0.35 0.00	14.18 0.33 0.00	17.51 0.43 0.00	23.10 0.65 0.00	37.37 1.17 0.00	23.79 0.67 0.00	28.65 0.75 0.00	21.71 0.58 0.00	18.69 0.43 0.00
ATHENS_STG_2 23670	22.21 0.54 0.00	22.16 0.52 0.00	21.24 0.42 0.00	21.64 0.28 0.00	21.96 0.26 0.00	25.78 0.37 0.00	29.99 0.89 0.00	43.40 1.43 0.00	76.64 2.64 0.00	26.15 0.72 0.00	21.02 0.56 0.00	20.04 0.51 0.00	18.89 0.42 0.00	15.91 0.37 0.00	14.78 0.36 0.00	15.42 0.35 0.00	14.18 0.33 0.00	17.51 0.43 0.00	23.10 0.65 0.00	37.37 1.17 0.00	23.79 0.67 0.00	28.65 0.75 0.00	21.71 0.58 0.00	18.69 0.43 0.00
ATHENS_STG_3 23677	22.21 0.54 0.00	22.16 0.52 0.00	21.24 0.42 0.00	21.64 0.28 0.00	21.96 0.26 0.00	25.78 0.37 0.00	29.99 0.89 0.00	43.40 1.43 0.00	76.64 2.64 0.00	26.15 0.72 0.00	21.02 0.56 0.00	20.04 0.51 0.00	18.89 0.42 0.00	15.91 0.37 0.00	14.78 0.36 0.00	15.42 0.35 0.00	14.18 0.33 0.00	17.51 0.43 0.00	23.10 0.65 0.00	37.37 1.17 0.00	23.79 0.67 0.00	28.65 0.75 0.00	21.71 0.58 0.00	18.69 0.43 0.00
AUBURN___LFGE 323710	21.71 0.03 0.00	21.75 0.10 0.00	20.94 0.13 0.00	21.41 0.05 0.00	21.88 0.19 0.00	25.63 0.22 0.00	29.37 0.27 0.00	42.08 0.11 0.00	74.08 0.08 0.00	25.33 -0.10 0.00	20.32 -0.14 0.00	19.29 -0.23 0.00	18.24 -0.23 0.00	15.34 -0.20 0.00	14.27 -0.15 0.00	14.91 -0.15 0.00	13.77 -0.09 0.00	17.05 -0.03 0.00	22.35 -0.09 0.00	36.29 0.09 0.00	23.15 0.03 0.00	27.77 -0.14 0.00	20.99 -0.14 0.00	18.13 -0.12 0.00
BABYLON_RES_REC 323704	23.03 1.35 0.00	22.83 1.19 0.00	21.84 1.03 0.00	22.17 0.81 0.00	22.44 0.74 0.00	26.34 0.94 0.00	31.03 1.94 0.00	44.96 2.99 0.00	79.18 5.17 0.00	27.12 1.69 0.00	21.95 1.48 0.00	20.77 1.25 0.00	19.49 1.02 0.00	16.33 0.79 0.00	15.23 0.81 0.00	15.94 0.88 0.00	14.81 0.96 0.00	18.26 1.18 0.00	24.03 1.59 0.00	38.98 2.78 0.00	24.82 1.71 0.00	29.72 1.81 0.00	22.58 1.45 0.00	19.44 1.19 0.00
BABYLON__69_KV_BK2 356345	23.22 1.55 0.00	23.01 1.37 0.00	22.02 1.21 0.00	22.35 0.98 0.00	22.63 0.94 0.00	26.55 1.14 0.00	31.30 2.21 0.00	45.29 3.32 0.00	79.80 5.80 0.00	27.34 1.91 0.00	22.14 1.67 0.00	20.95 1.42 0.00	19.66 1.19 0.00	16.45 0.91 0.00	15.35 0.93 0.00	16.08 1.01 0.00	14.96 1.10 0.00	18.45 1.37 0.00	24.27 1.83 0.00	39.38 3.17 0.00	25.09 1.97 0.00	30.02 2.11 0.00	22.80 1.67 0.00	19.62 1.37 0.00
BALL_HILL_WT_PWR 323825	20.39 -1.29 0.00	20.59 -1.06 0.00	19.86 -0.95 0.00	20.38 -0.98 0.00	20.97 -0.72 0.00	24.69 -0.71 0.00	27.37 -1.72 0.00	38.77 -3.20 0.00	68.74 -5.27 0.00	23.37 -2.06 0.00	18.64 -1.83 0.00	17.81 -1.71 0.00	16.99 -1.48 0.00	14.19 -1.34 0.00	13.26 -1.16 0.00	13.98 -1.09 0.00	12.76 -1.09 0.00	15.65 -1.43 0.00	20.54 -1.91 0.00	33.23 -2.97 0.00	21.36 -1.76 0.00	25.57 -2.34 0.00	19.17 -1.96 0.00	16.88 -1.37 0.00
BARON_WINDS___WT_PWR 323822	20.78 -0.90 0.00	21.09 -0.56 0.00	20.16 -0.65 0.00	20.56 -0.80 0.00	21.18 -0.51 0.00	24.84 -0.57 0.00	28.53 -0.56 0.00	40.99 -0.97 0.00	72.20 -1.80 0.00	24.25 -1.18 0.00	19.35 -1.11 0.00	18.52 -1.01 0.00	17.51 -0.96 0.00	14.61 -0.93 0.00	13.62 -0.80 0.00	14.28 -0.79 0.00	13.13 -0.73 0.00	16.31 -0.77 0.00	21.51 -0.93 0.00	34.94 -1.26 0.00	22.20 -0.92 0.00	26.58 -1.32 0.00	20.19 -0.94 0.00	17.45 -0.80 0.00
BARRETT_IC_1 23704	22.90 1.22 0.00	22.75 1.10 0.00	21.75 0.94 0.00	22.09 0.73 0.00	22.35 0.66 0.00	26.25 0.84 0.00	30.80 1.71 0.00	44.53 2.57 0.00	78.36 4.36 0.00	26.90 1.47 0.00	21.78 1.31 0.00	20.72 1.19 0.00	19.43 0.96 0.00	16.33 0.79 0.00	15.22 0.80 0.00	15.91 0.84 0.00	14.75 0.89 0.00	18.13 1.05 0.00	23.84 1.39 0.00	38.62 2.41 0.00	24.59 1.47 0.00	29.51 1.60 0.00	22.43 1.30 0.00	19.30 1.05 0.00
BARRETT_IC_10 23701	22.90 1.22 0.00	22.75 1.10 0.00	21.75 0.94 0.00	22.09 0.73 0.00	22.35 0.66 0.00	26.25 0.84 0.00	30.80 1.71 0.00	44.53 2.57 0.00	78.36 4.36 0.00	26.90 1.47 0.00	21.78 1.31 0.00	20.72 1.19 0.00	19.43 0.96 0.00	16.33 0.79 0.00	15.22 0.80 0.00	15.91 0.84 0.00	14.75 0.89 0.00	18.13 1.05 0.00	23.84 1.39 0.00	38.62 2.41 0.00	24.59 1.47 0.00	29.51 1.60 0.00	22.43 1.30 0.00	19.30 1.05 0.00
BARRETT_IC_11 23702	22.90 1.22 0.00	22.75 1.10 0.00	21.75 0.94 0.00	22.09 0.73 0.00	22.35 0.66 0.00	26.25 0.84 0.00	30.80 1.71 0.00	44.53 2.57 0.00	78.36 4.36 0.00	26.90 1.47 0.00	21.78 1.31 0.00	20.72 1.19 0.00	19.43 0.96 0.00	16.33 0.79 0.00	15.22 0.80 0.00	15.91 0.84 0.00	14.75 0.89 0.00	18.13 1.05 0.00	23.84 1.39 0.00	38.62 2.41 0.00	24.59 1.47 0.00	29.51 1.60 0.00	22.43 1.30 0.00	19.30 1.05 0.00
BARRETT_IC_12 23703	22.90 1.22 0.00	22.75 1.10 0.00	21.75 0.94 0.00	22.09 0.73 0.00	22.35 0.66 0.00	26.25 0.84 0.00	30.80 1.71 0.00	44.53 2.57 0.00	78.36 4.36 0.00	26.90 1.47 0.00	21.78 1.31 0.00	20.72 1.19 0.00	19.43 0.96 0.00	16.33 0.79 0.00	15.22 0.80 0.00	15.91 0.84 0.00	14.75 0.89 0.00	18.13 1.05 0.00	23.84 1.39 0.00	38.62 2.41 0.00	24.59 1.47 0.00	29.51 1.60 0.00	22.43 1.30 0.00	19.30 1.05 0.00
BARRETT_IC_2 23705	22.90 1.22 0.00	22.75 1.10 0.00	21.75 0.94 0.00	22.09 0.73 0.00	22.35 0.66 0.00	26.25 0.84 0.00	30.80 1.71 0.00	44.53 2.57 0.00	78.36 4.36 0.00	26.90 1.47 0.00	21.78 1.31 0.00	20.72 1.19 0.00	19.43 0.96 0.00	16.33 0.79 0.00	15.22 0.80 0.00	15.91 0.84 0.00	14.75 0.89 0.00	18.13 1.05 0.00	23.84 1.39 0.00	38.62 2.41 0.00	24.59 1.47 0.00	29.51 1.60 0.00	22.43 1.30 0.00	19.30 1.05 0.00
BARRETT_IC_3 23706	22.90 1.22 0.00	22.75 1.10 0.00	21.75 0.94 0.00	22.09 0.73 0.00	22.35 0.66 0.00	26.25 0.84 0.00	30.80 1.71 0.00	44.53 2.57 0.00	78.36 4.36 0.00	26.90 1.47 0.00	21.78 1.31 0.00	20.72 1.19 0.00	19.43 0.96 0.00	16.33 0.79 0.00	15.22 0.80 0.00	15.91 0.84 0.00	14.75 0.89 0.00	18.13 1.05 0.00	23.84 1.39 0.00	38.62 2.41 0.00	24.59 1.47 0.00	29.51 1.60 0.00	22.43 1.30 0.00	19.30 1.05 0.00
BARRETT_IC_4 23707	22.90 1.22 0.00	22.75 1.10 0.00	21.75 0.94 0.00	22.09 0.73 0.00	22.35 0.66 0.00	26.25 0.84 0.00	30.80 1.71 0.00	44.53 2.57 0.00	78.36 4.36 0.00	26.90 1.47 0.00	21.78 1.31 0.00	20.72 1.19 0.00	19.43 0.96 0.00	16.33 0.79 0.00	15.22 0.80 0.00	15.91 0.84 0.00	14.75 0.89 0.00	18.13 1.05 0.00	23.84 1.39 0.00	38.62 2.41 0.00	24.59 1.47 0.00	29.51 1.60 0.00	22.43 1.30 0.00	19.30 1.05 0.00



BARRETT_IC_5 23708	22.90 1.22 0.00	22.75 1.10 0.00	21.75 0.94 0.00	22.09 0.73 0.00	22.35 0.66 0.00	26.25 0.84 0.00	30.80 1.71 0.00	44.53 2.57 0.00	78.36 4.36 0.00	26.90 1.47 0.00	21.78 1.31 0.00	20.72 1.19 0.00	19.43 0.96 0.00	16.33 0.79 0.00	15.22 0.80 0.00	15.91 0.84 0.00	14.75 0.89 0.00	18.13 1.05 0.00	23.84 1.39 0.00	38.62 2.41 0.00	24.59 1.47 0.00	29.51 1.60 0.00	22.43 1.30 0.00	19.30 1.05 0.00
BARRETT_IC_6 23709	22.90 1.22 0.00	22.75 1.10 0.00	21.75 0.94 0.00	22.09 0.73 0.00	22.35 0.66 0.00	26.25 0.84 0.00	30.80 1.71 0.00	44.53 2.57 0.00	78.36 4.36 0.00	26.90 1.47 0.00	21.78 1.31 0.00	20.72 1.19 0.00	19.43 0.96 0.00	16.33 0.79 0.00	15.22 0.80 0.00	15.91 0.84 0.00	14.75 0.89 0.00	18.13 1.05 0.00	23.84 1.39 0.00	38.62 2.41 0.00	24.59 1.47 0.00	29.51 1.60 0.00	22.43 1.30 0.00	19.30 1.05 0.00
BARRETT_IC_7 23710	22.90 1.23 0.00	22.75 1.10 0.00	21.74 0.93 0.00	22.08 0.72 0.00	22.36 0.67 0.00	26.25 0.84 0.00	30.80 1.71 0.00	44.53 2.57 0.00	78.37 4.36 0.00	26.90 1.47 0.00	21.79 1.32 0.00	20.72 1.19 0.00	19.43 0.96 0.00	16.33 0.79 0.00	15.22 0.80 0.00	15.91 0.84 0.00	14.74 0.89 0.00	18.13 1.05 0.00	23.84 1.39 0.00	38.62 2.41 0.00	24.59 1.47 0.00	29.51 1.61 0.00	22.43 1.30 0.00	19.30 1.05 0.00
BARRETT_IC_8 23711	22.90 1.22 0.00	22.75 1.10 0.00	21.75 0.94 0.00	22.09 0.73 0.00	22.35 0.66 0.00	26.25 0.84 0.00	30.80 1.71 0.00	44.53 2.57 0.00	78.36 4.36 0.00	26.90 1.47 0.00	21.78 1.31 0.00	20.72 1.19 0.00	19.43 0.96 0.00	16.33 0.79 0.00	15.22 0.80 0.00	15.91 0.84 0.00	14.75 0.89 0.00	18.13 1.05 0.00	23.84 1.39 0.00	38.62 2.41 0.00	24.59 1.47 0.00	29.51 1.60 0.00	22.43 1.30 0.00	19.30 1.05 0.00
BARRETT_IC_9 23700	22.90 1.22 0.00	22.75 1.10 0.00	21.75 0.94 0.00	22.09 0.73 0.00	22.35 0.66 0.00	26.25 0.84 0.00	30.80 1.71 0.00	44.53 2.57 0.00	78.36 4.36 0.00	26.90 1.47 0.00	21.78 1.31 0.00	20.72 1.19 0.00	19.43 0.96 0.00	16.33 0.79 0.00	15.22 0.80 0.00	15.91 0.84 0.00	14.75 0.89 0.00	18.13 1.05 0.00	23.84 1.39 0.00	38.62 2.41 0.00	24.59 1.47 0.00	29.51 1.60 0.00	22.43 1.30 0.00	19.30 1.05 0.00
BARRETT___1 23545	22.90 1.22 0.00	22.75 1.10 0.00	21.75 0.94 0.00	22.09 0.73 0.00	22.35 0.66 0.00	26.25 0.84 0.00	30.80 1.71 0.00	44.53 2.57 0.00	78.36 4.36 0.00	26.90 1.47 0.00	21.78 1.31 0.00	20.72 1.19 0.00	19.43 0.96 0.00	16.33 0.79 0.00	15.22 0.80 0.00	15.91 0.84 0.00	14.75 0.89 0.00	18.13 1.05 0.00	23.84 1.39 0.00	38.62 2.41 0.00	24.59 1.47 0.00	29.51 1.60 0.00	22.43 1.30 0.00	19.30 1.05 0.00
BARRETT___2 23546	22.90 1.22 0.00	22.75 1.10 0.00	21.75 0.94 0.00	22.09 0.73 0.00	22.35 0.66 0.00	26.25 0.84 0.00	30.80 1.71 0.00	44.53 2.57 0.00	78.36 4.36 0.00	26.90 1.47 0.00	21.78 1.31 0.00	20.72 1.19 0.00	19.43 0.96 0.00	16.33 0.79 0.00	15.22 0.80 0.00	15.91 0.84 0.00	14.75 0.89 0.00	18.13 1.05 0.00	23.84 1.39 0.00	38.62 2.41 0.00	24.59 1.47 0.00	29.51 1.60 0.00	22.43 1.30 0.00	19.30 1.05 0.00
BATAVIA___115KV_TB1 55881	20.78 -0.89 0.00	20.96 -0.69 0.00	20.25 -0.56 0.00	20.87 -0.49 0.00	21.45 -0.25 0.00	25.26 -0.14 0.00	27.95 -1.14 0.00	39.70 -2.27 0.00	69.87 -4.13 0.00	23.76 -1.67 0.00	18.78 -1.69 0.00	17.89 -1.64 0.00	17.10 -1.37 0.00	14.34 -1.20 0.00	13.37 -1.05 0.00	14.16 -0.91 0.00	13.05 -0.81 0.00	15.96 -1.12 0.00	20.95 -1.50 0.00	33.97 -2.24 0.00	21.78 -1.34 0.00	26.11 -1.80 0.00	19.53 -1.61 0.00	17.15 -1.09 0.00
BAYONEEC___CTG1 323682	22.66 0.98 0.00	22.56 0.91 0.00	21.54 0.72 0.00	21.88 0.51 0.00	22.22 0.53 0.00	26.16 0.76 0.00	30.67 1.58 0.00	44.54 2.57 0.00	78.49 4.48 0.00	26.91 1.48 0.00	21.63 1.16 0.00	20.61 1.09 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.17 0.75 0.00	15.83 0.76 0.00	14.60 0.74 0.00	17.98 0.90 0.00	23.65 1.21 0.00	38.40 2.20 0.00	24.42 1.31 0.00	29.28 1.38 0.00	22.24 1.11 0.00	19.13 0.88 0.00
BAYONEEC___CTG10 323750	22.66 0.98 0.00	22.56 0.91 0.00	21.54 0.72 0.00	21.88 0.51 0.00	22.22 0.53 0.00	26.16 0.76 0.00	30.67 1.58 0.00	44.54 2.57 0.00	78.49 4.48 0.00	26.91 1.48 0.00	21.63 1.16 0.00	20.61 1.09 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.17 0.75 0.00	15.83 0.76 0.00	14.60 0.74 0.00	17.98 0.90 0.00	23.65 1.21 0.00	38.40 2.20 0.00	24.42 1.31 0.00	29.28 1.38 0.00	22.24 1.11 0.00	19.13 0.88 0.00
BAYONEEC___CTG2 323683	22.66 0.98 0.00	22.56 0.91 0.00	21.54 0.72 0.00	21.88 0.51 0.00	22.22 0.53 0.00	26.16 0.76 0.00	30.67 1.58 0.00	44.54 2.57 0.00	78.49 4.48 0.00	26.91 1.48 0.00	21.63 1.16 0.00	20.61 1.09 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.17 0.75 0.00	15.83 0.76 0.00	14.60 0.74 0.00	17.98 0.90 0.00	23.65 1.21 0.00	38.40 2.20 0.00	24.42 1.31 0.00	29.28 1.38 0.00	22.24 1.11 0.00	19.13 0.88 0.00
BAYONEEC___CTG3 323684	22.66 0.98 0.00	22.56 0.91 0.00	21.54 0.72 0.00	21.88 0.51 0.00	22.22 0.53 0.00	26.16 0.76 0.00	30.67 1.58 0.00	44.54 2.57 0.00	78.49 4.48 0.00	26.91 1.48 0.00	21.63 1.16 0.00	20.61 1.09 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.17 0.75 0.00	15.83 0.76 0.00	14.60 0.74 0.00	17.98 0.90 0.00	23.65 1.21 0.00	38.40 2.20 0.00	24.42 1.31 0.00	29.28 1.38 0.00	22.24 1.11 0.00	19.13 0.88 0.00
BAYONEEC___CTG4 323685	22.66 0.98 0.00	22.56 0.91 0.00	21.54 0.72 0.00	21.88 0.51 0.00	22.22 0.53 0.00	26.16 0.76 0.00	30.67 1.58 0.00	44.54 2.57 0.00	78.49 4.48 0.00	26.91 1.48 0.00	21.63 1.16 0.00	20.61 1.09 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.17 0.75 0.00	15.83 0.76 0.00	14.60 0.74 0.00	17.98 0.90 0.00	23.65 1.21 0.00	38.40 2.20 0.00	24.42 1.31 0.00	29.28 1.38 0.00	22.24 1.11 0.00	19.13 0.88 0.00
BAYONEEC___CTG5 323686	22.66 0.98 0.00	22.56 0.91 0.00	21.54 0.72 0.00	21.88 0.51 0.00	22.22 0.53 0.00	26.16 0.76 0.00	30.67 1.58 0.00	44.54 2.57 0.00	78.49 4.48 0.00	26.91 1.48 0.00	21.63 1.16 0.00	20.61 1.09 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.17 0.75 0.00	15.83 0.76 0.00	14.60 0.74 0.00	17.98 0.90 0.00	23.65 1.21 0.00	38.40 2.20 0.00	24.42 1.31 0.00	29.28 1.38 0.00	22.24 1.11 0.00	19.13 0.88 0.00
BAYONEEC___CTG6 323687	22.66 0.98 0.00	22.56 0.91 0.00	21.54 0.72 0.00	21.88 0.51 0.00	22.22 0.53 0.00	26.16 0.76 0.00	30.67 1.58 0.00	44.54 2.57 0.00	78.49 4.48 0.00	26.91 1.48 0.00	21.63 1.16 0.00	20.61 1.09 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.17 0.75 0.00	15.83 0.76 0.00	14.60 0.74 0.00	17.98 0.90 0.00	23.65 1.21 0.00	38.40 2.20 0.00	24.42 1.31 0.00	29.28 1.38 0.00	22.24 1.11 0.00	19.13 0.88 0.00



BAYONEEC___CTG7 323688	22.66 0.98 0.00	22.56 0.91 0.00	21.54 0.72 0.00	21.88 0.51 0.00	22.22 0.53 0.00	26.16 0.76 0.00	30.67 1.58 0.00	44.54 2.57 0.00	78.49 4.48 0.00	26.91 1.48 0.00	21.63 1.16 0.00	20.61 1.09 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.17 0.75 0.00	15.83 0.76 0.00	14.60 0.74 0.00	17.98 0.90 0.00	23.65 1.21 0.00	38.40 2.20 0.00	24.42 1.31 0.00	29.28 1.38 0.00	22.24 1.11 0.00	19.13 0.88 0.00
BAYONEEC___CTG8 323689	22.66 0.98 0.00	22.56 0.91 0.00	21.54 0.72 0.00	21.88 0.51 0.00	22.22 0.53 0.00	26.16 0.76 0.00	30.67 1.58 0.00	44.54 2.57 0.00	78.49 4.48 0.00	26.91 1.48 0.00	21.63 1.16 0.00	20.61 1.09 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.17 0.75 0.00	15.83 0.76 0.00	14.60 0.74 0.00	17.98 0.90 0.00	23.65 1.21 0.00	38.40 2.20 0.00	24.42 1.31 0.00	29.28 1.38 0.00	22.24 1.11 0.00	19.13 0.88 0.00
BAYONEEC___CTG9 323749	22.66 0.98 0.00	22.56 0.91 0.00	21.54 0.72 0.00	21.88 0.51 0.00	22.22 0.53 0.00	26.16 0.76 0.00	30.67 1.58 0.00	44.54 2.57 0.00	78.49 4.48 0.00	26.91 1.48 0.00	21.63 1.16 0.00	20.61 1.09 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.17 0.75 0.00	15.83 0.76 0.00	14.60 0.74 0.00	17.98 0.90 0.00	23.65 1.21 0.00	38.40 2.20 0.00	24.42 1.31 0.00	29.28 1.38 0.00	22.24 1.11 0.00	19.13 0.88 0.00
BEACON___LESR 323632	22.54 0.86 0.00	22.52 0.88 0.00	21.55 0.74 0.00	21.97 0.61 0.00	22.31 0.62 0.00	26.21 0.81 0.00	30.55 1.46 0.00	44.18 2.21 0.00	78.06 4.06 0.00	26.53 1.10 0.00	21.35 0.89 0.00	20.35 0.82 0.00	19.21 0.74 0.00	16.14 0.60 0.00	14.97 0.55 0.00	15.62 0.55 0.00	14.37 0.51 0.00	17.81 0.73 0.00	23.57 1.12 0.00	38.00 1.79 0.00	24.23 1.11 0.00	29.22 1.32 0.00	22.05 0.92 0.00	18.98 0.73 0.00
BEAVER RIVER___HYD 24048	23.41 -0.73 -2.46	23.36 -0.74 -2.46	22.37 -0.85 -2.41	22.81 -1.00 -2.45	23.02 -1.14 -2.47	26.76 -1.32 -2.68	27.30 -1.42 0.38	42.57 -1.87 -2.48	75.98 -3.41 -5.38	26.85 -1.26 -2.68	18.76 -1.23 0.47	20.54 -1.34 -2.35	19.41 -1.35 -2.29	16.52 -1.14 -2.13	15.38 -1.10 -2.06	16.03 -1.13 -2.10	14.82 -1.06 -2.03	18.13 -1.16 -2.20	21.78 -1.19 -0.53	37.81 -1.67 -3.28	24.61 -1.06 -2.55	29.35 -1.37 -2.83	22.43 -1.14 -2.44	19.48 -1.05 -2.27
BEEBEE_GT_13 23619	20.91 -0.77 0.00	21.03 -0.61 0.00	20.28 -0.53 0.00	20.84 -0.52 0.00	21.34 -0.35 0.00	25.09 -0.32 0.00	28.09 -1.01 0.00	40.09 -1.88 0.00	70.60 -3.40 0.00	24.09 -1.34 0.00	19.22 -1.24 0.00	18.33 -1.20 0.00	17.46 -1.01 0.00	14.65 -0.92 0.00	13.65 -0.77 0.00	14.37 -0.70 0.00	13.19 -0.67 0.00	16.23 -0.85 0.00	21.29 -1.16 0.00	34.39 -1.82 0.00	22.00 -1.12 0.00	26.42 -1.48 0.00	19.83 -1.30 0.00	17.32 -0.93 0.00
BENSHRST_27_KV_BENSHRST_1 355998	22.86 1.18 0.00	22.75 1.11 0.00	21.74 0.93 0.00	22.06 0.70 0.00	22.42 0.73 0.00	26.41 1.01 0.00	30.96 1.86 0.00	44.85 2.88 0.00	79.11 5.10 0.00	27.17 1.74 0.00	21.84 1.37 0.00	20.79 1.26 0.00	19.57 1.10 0.00	16.46 0.92 0.00	15.31 0.88 0.00	15.96 0.90 0.00	14.73 0.87 0.00	18.16 1.08 0.00	23.92 1.47 0.00	38.81 2.60 0.00	24.67 1.55 0.00	29.58 1.68 0.00	22.44 1.31 0.00	19.29 1.03 0.00
BETHLEHEM___GRP 23843	22.32 0.64 0.00	22.30 0.65 0.00	21.37 0.56 0.00	21.80 0.43 0.00	22.09 0.40 0.00	25.92 0.52 0.00	30.18 1.09 0.00	43.64 1.67 0.00	77.09 3.09 0.00	26.27 0.84 0.00	21.13 0.66 0.00	20.14 0.61 0.00	19.01 0.54 0.00	16.02 0.47 0.00	14.86 0.44 0.00	15.49 0.42 0.00	14.24 0.39 0.00	17.60 0.52 0.00	23.26 0.82 0.00	37.56 1.35 0.00	23.93 0.81 0.00	28.86 0.96 0.00	21.85 0.72 0.00	18.80 0.55 0.00
BETHLEHEM___GS1 323560	22.32 0.64 0.00	22.30 0.65 0.00	21.37 0.56 0.00	21.80 0.44 0.00	22.09 0.40 0.00	25.92 0.52 0.00	30.18 1.09 0.00	43.64 1.67 0.00	77.09 3.09 0.00	26.27 0.84 0.00	21.12 0.66 0.00	20.14 0.61 0.00	19.01 0.54 0.00	16.02 0.47 0.00	14.86 0.44 0.00	15.49 0.42 0.00	14.24 0.39 0.00	17.60 0.52 0.00	23.27 0.82 0.00	37.56 1.35 0.00	23.93 0.81 0.00	28.86 0.96 0.00	21.85 0.72 0.00	18.80 0.55 0.00
BETHLEHEM___GS2 323561	22.32 0.64 0.00	22.30 0.65 0.00	21.37 0.56 0.00	21.80 0.44 0.00	22.09 0.40 0.00	25.92 0.52 0.00	30.18 1.09 0.00	43.64 1.67 0.00	77.09 3.09 0.00	26.27 0.84 0.00	21.12 0.66 0.00	20.14 0.61 0.00	19.01 0.54 0.00	16.02 0.47 0.00	14.86 0.44 0.00	15.49 0.42 0.00	14.24 0.39 0.00	17.60 0.52 0.00	23.27 0.82 0.00	37.56 1.35 0.00	23.93 0.81 0.00	28.86 0.96 0.00	21.85 0.72 0.00	18.80 0.55 0.00
BETHLEHEM___GS3 323562	22.32 0.64 0.00	22.30 0.65 0.00	21.37 0.56 0.00	21.80 0.44 0.00	22.09 0.40 0.00	25.92 0.52 0.00	30.18 1.09 0.00	43.64 1.67 0.00	77.09 3.09 0.00	26.27 0.84 0.00	21.12 0.66 0.00	20.14 0.61 0.00	19.01 0.54 0.00	16.02 0.47 0.00	14.86 0.44 0.00	15.49 0.42 0.00	14.24 0.39 0.00	17.60 0.52 0.00	23.27 0.82 0.00	37.56 1.35 0.00	23.93 0.81 0.00	28.86 0.96 0.00	21.85 0.72 0.00	18.80 0.55 0.00
BETHLEHEM___STEEL 23779	20.44 -1.24 0.00	20.66 -0.99 0.00	19.94 -0.88 0.00	20.51 -0.85 0.00	21.08 -0.61 0.00	24.82 -0.58 0.00	27.36 -1.73 0.00	38.72 -3.25 0.00	68.42 -5.58 0.00	23.36 -2.07 0.00	18.60 -1.87 0.00	17.77 -1.76 0.00	16.99 -1.48 0.00	14.23 -1.31 0.00	13.28 -1.14 0.00	14.01 -1.06 0.00	12.81 -1.05 0.00	15.68 -1.41 0.00	20.55 -1.90 0.00	33.18 -3.02 0.00	21.31 -1.81 0.00	25.57 -2.33 0.00	19.16 -1.97 0.00	16.89 -1.36 0.00
BETHLHEM_115KV_TB1 79974	22.29 0.62 0.00	22.26 0.62 0.00	21.34 0.53 0.00	21.78 0.41 0.00	22.07 0.37 0.00	25.90 0.49 0.00	30.20 1.11 0.00	43.67 1.70 0.00	77.14 3.14 0.00	26.28 0.85 0.00	21.13 0.67 0.00	20.15 0.62 0.00	19.02 0.55 0.00	16.02 0.48 0.00	14.86 0.44 0.00	15.50 0.43 0.00	14.25 0.39 0.00	17.62 0.54 0.00	23.28 0.83 0.00	37.58 1.38 0.00	23.94 0.82 0.00	28.87 0.97 0.00	21.87 0.73 0.00	18.81 0.56 0.00
BETHPAGE_CC_5 323564	23.03 1.35 0.00	22.84 1.20 0.00	21.85 1.04 0.00	22.18 0.81 0.00	22.44 0.75 0.00	26.38 0.97 0.00	31.04 1.95 0.00	44.95 2.99 0.00	79.20 5.19 0.00	27.12 1.69 0.00	21.92 1.45 0.00	20.79 1.27 0.00	19.51 1.04 0.00	16.37 0.82 0.00	15.26 0.84 0.00	15.95 0.88 0.00	14.80 0.94 0.00	18.21 1.13 0.00	23.96 1.52 0.00	38.85 2.65 0.00	24.74 1.62 0.00	29.63 1.72 0.00	22.50 1.36 0.00	19.40 1.15 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	20.56 -1.12 0.00	20.77 -0.88 0.00	20.04 -0.77 0.00	20.61 -0.75 0.00	21.18 -0.51 0.00	24.94 -0.46 0.00	27.53 -1.57 0.00	38.97 -3.00 0.00	68.88 -5.12 0.00	23.52 -1.91 0.00	18.73 -1.74 0.00	17.89 -1.63 0.00	17.10 -1.37 0.00	14.33 -1.21 0.00	13.37 -1.05 0.00	14.10 -0.96 0.00	12.89 -0.97 0.00	15.78 -1.30 0.00	20.68 -1.77 0.00	33.41 -2.79 0.00	21.47 -1.65 0.00	25.76 -2.15 0.00	19.31 -1.82 0.00	17.01 -1.24 0.00



BINGHAMTON___COGEN 23790	21.66 -0.02 0.00	21.67 0.02 0.00	20.82 0.00 0.00	21.23 -0.13 0.00	21.63 -0.06 0.00	25.45 0.04 0.00	29.19 0.09 0.00	42.27 0.30 0.00	74.26 0.26 0.00	25.23 -0.20 0.00	20.20 -0.26 0.00	19.27 -0.25 0.00	18.22 -0.25 0.00	15.27 -0.27 0.00	14.22 -0.20 0.00	14.89 -0.18 0.00	13.69 -0.17 0.00	16.93 -0.15 0.00	22.29 -0.16 0.00	36.08 -0.13 0.00	23.00 -0.12 0.00	27.62 -0.29 0.00	20.91 -0.22 0.00	18.08 -0.17 0.00
BIXINCNT_115KV_LOAD 355685	20.32 -1.36 0.00	20.55 -1.10 0.00	19.74 -1.07 0.00	20.14 -1.22 0.00	20.65 -1.05 0.00	24.35 -1.05 0.00	27.16 -1.93 0.00	38.55 -3.42 0.00	68.24 -5.76 0.00	23.33 -2.10 0.00	18.68 -1.78 0.00	17.74 -1.78 0.00	16.93 -1.54 0.00	14.16 -1.38 0.00	13.22 -1.20 0.00	13.97 -1.10 0.00	12.75 -1.11 0.00	15.60 -1.49 0.00	20.49 -1.96 0.00	33.25 -2.95 0.00	21.57 -1.55 0.00	25.99 -1.91 0.00	19.51 -1.62 0.00	17.20 -1.05 0.00
BLACK RIVER___HYD 24047	22.60 -0.81 -1.73	22.59 -0.78 -1.72	21.61 -0.90 -1.69	21.99 -1.10 -1.72	22.16 -1.26 -1.73	25.86 -1.42 -1.88	27.33 -1.52 0.24	41.71 -2.00 -1.74	74.16 -3.62 -3.78	25.84 -1.47 -1.88	18.62 -1.54 0.31	19.45 -1.72 -1.65	18.33 -1.75 -1.61	15.56 -1.47 -1.49	14.46 -1.41 -1.45	15.08 -1.46 -1.47	13.94 -1.33 -1.42	17.23 -1.40 -1.55	21.44 -1.39 -0.39	36.70 -1.80 -2.30	23.75 -1.16 -1.79	28.35 -1.54 -1.98	21.54 -1.31 -1.71	18.65 -1.20 -1.59
BLACKRVR_115KV_TB2 79977	22.60 -0.81 -1.73	22.59 -0.77 -1.72	21.61 -0.90 -1.69	21.99 -1.10 -1.72	22.16 -1.26 -1.73	25.86 -1.42 -1.88	27.33 -1.52 0.24	41.71 -2.00 -1.74	74.15 -3.63 -3.78	25.84 -1.47 -1.88	18.62 -1.54 0.31	19.46 -1.71 -1.65	18.33 -1.75 -1.61	15.56 -1.47 -1.49	14.46 -1.41 -1.45	15.07 -1.46 -1.47	13.94 -1.33 -1.42	17.23 -1.40 -1.55	21.44 -1.39 -0.39	36.70 -1.80 -2.30	23.75 -1.16 -1.79	28.35 -1.54 -1.98	21.54 -1.31 -1.71	18.65 -1.20 -1.59
BLISS_WT_PWR 323608	20.06 -1.62 0.00	20.29 -1.35 0.00	19.50 -1.31 0.00	19.88 -1.49 0.00	20.41 -1.29 0.00	24.02 -1.39 0.00	26.83 -2.26 0.00	38.07 -3.90 0.00	67.41 -6.59 0.00	23.07 -2.36 0.00	18.51 -1.96 0.00	17.55 -1.98 0.00	16.74 -1.74 0.00	13.98 -1.55 0.00	13.07 -1.36 0.00	13.82 -1.25 0.00	12.61 -1.25 0.00	15.43 -1.65 0.00	20.27 -2.18 0.00	32.95 -3.26 0.00	21.43 -1.69 0.00	25.84 -2.06 0.00	19.39 -1.75 0.00	17.10 -1.15 0.00
BLUESTONE___WT_PWR 323821	22.15 0.47 0.00	21.26 -0.39 0.00	21.30 0.49 0.00	21.13 -0.23 0.00	21.64 -0.06 0.00	26.17 0.76 0.00	29.01 -0.09 0.00	42.29 0.32 0.00	74.16 0.16 0.00	25.25 -0.18 0.00	20.15 -0.32 0.00	19.02 -0.50 0.00	17.86 -0.61 0.00	14.93 -0.59 0.00	13.84 -0.59 0.00	14.48 -0.59 0.00	13.34 -0.52 0.00	16.72 -0.36 0.00	22.20 -0.24 0.00	35.89 -0.32 0.00	22.86 -0.26 0.00	27.45 -0.46 0.00	20.75 -0.38 0.00	18.15 -0.10 0.00
BLUE_CIRC_CHEM_DRP 24182	22.34 0.67 0.00	22.33 0.69 0.00	21.42 0.61 0.00	21.88 0.52 0.00	22.18 0.48 0.00	26.02 0.61 0.00	30.15 1.05 0.00	43.57 1.60 0.00	76.93 2.93 0.00	26.23 0.80 0.00	21.09 0.63 0.00	20.10 0.58 0.00	18.98 0.51 0.00	15.98 0.44 0.00	14.82 0.40 0.00	15.47 0.40 0.00	14.23 0.37 0.00	17.59 0.50 0.00	23.24 0.79 0.00	37.51 1.30 0.00	23.89 0.77 0.00	28.80 0.90 0.00	21.81 0.67 0.00	18.79 0.54 0.00
BOC_GAS_DRP 24189	22.16 0.48 0.00	22.13 0.48 0.00	21.22 0.41 0.00	21.65 0.29 0.00	21.96 0.26 0.00	25.75 0.35 0.00	29.86 0.77 0.00	43.18 1.21 0.00	76.24 2.24 0.00	26.02 0.59 0.00	20.92 0.46 0.00	19.94 0.42 0.00	18.83 0.36 0.00	15.86 0.32 0.00	14.73 0.30 0.00	15.36 0.29 0.00	14.13 0.27 0.00	17.44 0.36 0.00	23.01 0.56 0.00	37.17 0.97 0.00	23.68 0.56 0.00	28.56 0.65 0.00	21.63 0.50 0.00	18.63 0.38 0.00
BOONVILLE_115KV_TB1 79983	22.72 0.10 -0.94	22.66 0.08 -0.94	21.72 -0.01 -0.92	22.20 -0.10 -0.93	22.50 -0.14 -0.94	26.31 -0.11 -1.02	29.32 0.04 -0.19	43.09 0.18 -0.94	76.38 0.33 -2.05	26.47 0.02 -1.02	20.44 -0.15 -0.13	20.19 -0.23 -0.90	19.08 -0.27 -0.87	16.12 -0.23 -0.81	14.97 -0.24 -0.79	15.63 -0.24 -0.80	14.42 -0.21 -0.77	17.80 -0.12 -0.84	22.88 0.02 -0.42	37.58 0.13 -1.25	24.14 0.05 -0.97	28.94 -0.04 -1.08	21.96 -0.10 -0.93	18.98 -0.13 -0.86
BORALEX_4TH_BRANCH 23824	22.34 0.67 0.00	22.37 0.73 0.00	21.43 0.62 0.00	21.80 0.44 0.00	21.93 0.23 0.00	25.74 0.33 0.00	30.10 1.00 0.00	43.62 1.65 0.00	77.22 3.21 0.00	26.16 0.73 0.00	21.02 0.56 0.00	20.05 0.53 0.00	18.96 0.49 0.00	16.04 0.51 0.00	14.86 0.44 0.00	15.43 0.36 0.00	14.13 0.28 0.00	17.45 0.37 0.00	23.21 0.76 0.00	37.37 1.17 0.00	23.82 0.70 0.00	28.86 0.95 0.00	21.81 0.67 0.00	18.73 0.48 0.00
BOWLINE___1 23526	22.61 0.94 0.00	22.53 0.89 0.00	21.54 0.73 0.00	21.90 0.53 0.00	22.24 0.54 0.00	26.16 0.75 0.00	30.59 1.49 0.00	44.35 2.38 0.00	78.22 4.21 0.00	26.70 1.27 0.00	21.45 0.98 0.00	20.43 0.90 0.00	19.23 0.76 0.00	16.16 0.62 0.00	15.04 0.61 0.00	15.69 0.62 0.00	14.46 0.60 0.00	17.84 0.76 0.00	23.52 1.07 0.00	38.13 1.93 0.00	24.28 1.16 0.00	29.15 1.25 0.00	22.11 0.98 0.00	19.01 0.76 0.00
BOWLINE___2 23595	22.61 0.94 0.00	22.53 0.89 0.00	21.54 0.73 0.00	21.90 0.54 0.00	22.24 0.54 0.00	26.16 0.75 0.00	30.59 1.49 0.00	44.35 2.38 0.00	78.23 4.23 0.00	26.70 1.27 0.00	21.45 0.98 0.00	20.43 0.90 0.00	19.23 0.76 0.00	16.16 0.62 0.00	15.04 0.61 0.00	15.69 0.62 0.00	14.46 0.60 0.00	17.84 0.76 0.00	23.52 1.07 0.00	38.13 1.93 0.00	24.28 1.16 0.00	29.15 1.25 0.00	22.11 0.98 0.00	19.01 0.76 0.00
BRADY___115KV_TB2 356060	24.60 -0.01 -2.93	24.52 -0.05 -2.93	23.66 -0.02 -2.87	24.41 0.13 -2.92	24.74 0.10 -2.94	28.55 -0.04 -3.19	23.06 -0.31 5.72	44.56 -0.36 -2.95	79.52 -0.90 -6.41	28.56 -0.07 -3.19	14.87 -0.08 5.52	22.19 -0.13 -2.80	21.12 -0.08 -2.73	17.99 -0.08 -2.53	16.72 -0.15 -2.45	17.41 -0.15 -2.50	16.11 -0.16 -2.41	19.48 -0.22 -2.63	19.36 -0.30 2.78	39.84 -0.27 -3.90	26.14 -0.02 -3.04	31.36 0.09 -3.36	24.07 0.03 -2.91	20.99 0.03 -2.71
BRANSCOMB___SOLAR 323811	22.50 0.82 0.00	22.49 0.85 0.00	21.55 0.74 0.00	21.98 0.62 0.00	22.27 0.57 0.00	26.19 0.78 0.00	30.54 1.44 0.00	44.18 2.22 0.00	78.19 4.19 0.00	26.53 1.10 0.00	21.31 0.84 0.00	20.26 0.74 0.00	19.16 0.69 0.00	16.17 0.63 0.00	14.89 0.47 0.00	15.51 0.44 0.00	14.23 0.38 0.00	17.69 0.61 0.00	23.55 1.10 0.00	38.05 1.84 0.00	24.21 1.09 0.00	29.16 1.25 0.00	22.01 0.87 0.00	18.89 0.64 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	23.13 1.45 0.00	22.92 1.28 0.00	21.95 1.13 0.00	22.26 0.90 0.00	22.54 0.84 0.00	26.42 1.02 0.00	31.13 2.04 0.00	44.99 3.02 0.00	79.31 5.31 0.00	27.21 1.78 0.00	22.04 1.58 0.00	20.87 1.35 0.00	19.58 1.11 0.00	16.40 0.86 0.00	15.31 0.89 0.00	16.04 0.97 0.00	14.92 1.06 0.00	18.39 1.31 0.00	24.18 1.73 0.00	39.16 2.96 0.00	24.96 1.84 0.00	29.86 1.96 0.00	22.71 1.58 0.00	19.56 1.31 0.00



BRISTLHL_115KV_TB1 79998	21.35 -0.33 0.00	21.36 -0.28 0.00	20.54 -0.28 0.00	21.02 -0.34 0.00	21.39 -0.30 0.00	25.05 -0.35 0.00	28.56 -0.53 0.00	41.12 -0.84 0.00	72.46 -1.54 0.00	24.78 -0.65 0.00	19.86 -0.60 0.00	18.96 -0.57 0.00	17.94 -0.53 0.00	15.09 -0.45 0.00	14.01 -0.41 0.00	14.66 -0.41 0.00	13.52 -0.34 0.00	16.72 -0.36 0.00	21.95 -0.50 0.00	35.44 -0.77 0.00	22.61 -0.50 0.00	27.20 -0.71 0.00	20.54 -0.59 0.00	17.79 -0.46 0.00
BROOKHAVEN___DRP 24191	22.91 1.23 0.00	22.64 0.99 0.00	21.69 0.88 0.00	21.99 0.63 0.00	22.28 0.58 0.00	26.05 0.64 0.00	30.84 1.74 0.00	44.56 2.59 0.00	78.68 4.67 0.00	26.87 1.44 0.00	21.72 1.26 0.00	20.61 1.09 0.00	19.34 0.87 0.00	16.20 0.66 0.00	15.19 0.76 0.00	15.94 0.87 0.00	14.86 1.00 0.00	18.33 1.25 0.00	24.04 1.60 0.00	38.86 2.66 0.00	24.75 1.63 0.00	29.61 1.70 0.00	22.54 1.40 0.00	19.41 1.16 0.00
BROOKLYN_NAVY_YARD 23515	22.67 1.00 0.00	22.57 0.92 0.00	21.55 0.74 0.00	21.89 0.53 0.00	22.24 0.54 0.00	26.18 0.78 0.00	30.68 1.59 0.00	44.57 2.61 0.00	78.59 4.59 0.00	26.95 1.52 0.00	21.66 1.19 0.00	20.65 1.13 0.00	19.44 0.97 0.00	16.35 0.80 0.00	15.20 0.77 0.00	15.85 0.78 0.00	14.62 0.76 0.00	18.01 0.93 0.00	23.67 1.23 0.00	38.44 2.24 0.00	24.45 1.33 0.00	29.33 1.43 0.00	22.27 1.14 0.00	19.15 0.90 0.00
BROOKLYN___ARMY_DRP 323595	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00
BROOKVLE_69_KV_TB1 55790	23.13 1.45 0.00	22.97 1.33 0.00	21.95 1.14 0.00	22.29 0.93 0.00	22.61 0.91 0.00	26.56 1.16 0.00	31.25 2.15 0.00	45.28 3.31 0.00	79.76 5.75 0.00	27.32 1.89 0.00	22.08 1.61 0.00	20.95 1.43 0.00	19.67 1.19 0.00	16.50 0.97 0.00	15.39 0.96 0.00	16.08 1.01 0.00	14.90 1.04 0.00	18.36 1.28 0.00	24.18 1.73 0.00	39.18 2.98 0.00	24.94 1.82 0.00	29.88 1.97 0.00	22.66 1.53 0.00	19.51 1.26 0.00
BROOME_2_LFGE 323671	21.66 -0.02 0.00	21.67 0.02 0.00	20.81 0.00 0.00	21.23 -0.13 0.00	21.63 -0.06 0.00	25.44 0.04 0.00	29.19 0.09 0.00	42.27 0.30 0.00	74.26 0.25 0.00	25.23 -0.20 0.00	20.20 -0.27 0.00	19.27 -0.25 0.00	18.22 -0.25 0.00	15.28 -0.26 0.00	14.22 -0.20 0.00	14.89 -0.18 0.00	13.68 -0.17 0.00	16.93 -0.15 0.00	22.29 -0.16 0.00	36.08 -0.13 0.00	23.00 -0.12 0.00	27.61 -0.29 0.00	20.91 -0.22 0.00	18.08 -0.17 0.00
BROOME___LFGE 323600	21.66 -0.02 0.00	21.67 0.02 0.00	20.81 0.00 0.00	21.23 -0.13 0.00	21.63 -0.06 0.00	25.44 0.04 0.00	29.19 0.09 0.00	42.27 0.30 0.00	74.26 0.25 0.00	25.23 -0.20 0.00	20.20 -0.27 0.00	19.27 -0.25 0.00	18.22 -0.25 0.00	15.28 -0.26 0.00	14.22 -0.20 0.00	14.89 -0.18 0.00	13.68 -0.17 0.00	16.93 -0.15 0.00	22.29 -0.16 0.00	36.08 -0.13 0.00	23.00 -0.12 0.00	27.61 -0.29 0.00	20.91 -0.22 0.00	18.08 -0.17 0.00
BROWNFLS_115KV_TB_3_5 80003	25.23 -0.86 -4.41	25.16 -0.89 -4.40	24.21 -0.93 -4.33	24.80 -0.96 -4.40	25.05 -1.07 -4.43	28.87 -1.33 -4.80	26.56 -1.57 0.96	44.30 -2.11 -4.44	79.75 -3.90 -9.65	28.97 -1.26 -4.81	18.23 -1.12 1.11	22.56 -1.18 -4.21	21.43 -1.15 -4.11	18.37 -0.98 -3.81	17.15 -0.96 -3.69	17.83 -1.00 -3.76	16.55 -0.94 -3.63	19.96 -1.07 -3.95	21.97 -1.24 -0.77	40.27 -1.82 -5.88	26.59 -1.10 -4.57	31.65 -1.32 -5.06	24.42 -1.08 -4.37	21.35 -0.97 -4.07
BROWNSV1_27_KV_LOAD 356125	22.89 1.21 0.00	22.77 1.13 0.00	21.74 0.93 0.00	22.08 0.72 0.00	22.44 0.74 0.00	26.42 1.01 0.00	30.99 1.89 0.00	45.03 3.06 0.00	79.33 5.33 0.00	27.20 1.77 0.00	21.87 1.41 0.00	20.84 1.31 0.00	19.62 1.16 0.00	16.49 0.95 0.00	15.33 0.91 0.00	15.99 0.92 0.00	14.75 0.89 0.00	18.18 1.09 0.00	23.91 1.47 0.00	38.85 2.65 0.00	24.70 1.58 0.00	29.61 1.71 0.00	22.48 1.34 0.00	19.32 1.07 0.00
BURROWS___LYONSDAL 23803	22.81 -0.11 -1.24	22.75 -0.13 -1.24	21.79 -0.23 -1.21	22.25 -0.35 -1.23	22.52 -0.42 -1.24	26.31 -0.44 -1.34	28.82 -0.35 -0.08	42.84 -0.37 -1.25	76.03 -0.68 -2.70	26.45 -0.33 -1.35	20.04 -0.44 -0.02	20.20 -0.51 -1.18	19.07 -0.55 -1.15	16.14 -0.47 -1.07	15.00 -0.46 -1.04	15.66 -0.47 -1.06	14.45 -0.43 -1.02	17.79 -0.40 -1.11	22.58 -0.30 -0.44	37.49 -0.37 -1.65	24.14 -0.26 -1.28	28.92 -0.41 -1.42	21.97 -0.39 -1.23	19.01 -0.38 -1.14
CAITHNESS_CC_1 323624	22.90 1.22 0.00	22.65 1.00 0.00	21.70 0.89 0.00	22.01 0.65 0.00	22.27 0.57 0.00	26.06 0.66 0.00	30.81 1.72 0.00	44.54 2.57 0.00	78.64 4.64 0.00	26.88 1.45 0.00	21.74 1.27 0.00	20.62 1.09 0.00	19.34 0.88 0.00	16.21 0.67 0.00	15.18 0.75 0.00	15.92 0.86 0.00	14.84 0.98 0.00	18.30 1.22 0.00	24.01 1.56 0.00	38.82 2.61 0.00	24.72 1.60 0.00	29.57 1.67 0.00	22.52 1.39 0.00	19.40 1.14 0.00
CALPINE BETH_PAGE_GT4 24209	23.02 1.34 0.00	22.85 1.21 0.00	21.85 1.04 0.00	22.17 0.80 0.00	22.44 0.74 0.00	26.39 0.98 0.00	31.05 1.96 0.00	44.96 3.00 0.00	79.13 5.13 0.00	27.11 1.68 0.00	21.91 1.44 0.00	20.78 1.25 0.00	19.50 1.04 0.00	16.36 0.82 0.00	15.25 0.83 0.00	15.92 0.85 0.00	14.76 0.91 0.00	18.15 1.07 0.00	23.88 1.43 0.00	38.73 2.53 0.00	24.65 1.53 0.00	29.52 1.61 0.00	22.42 1.29 0.00	19.36 1.11 0.00
CALPINE_BETH_PAGE_GT_4 323586	23.03 1.35 0.00	22.85 1.21 0.00	21.85 1.04 0.00	22.17 0.81 0.00	22.44 0.74 0.00	26.39 0.98 0.00	31.05 1.96 0.00	44.97 3.00 0.00	79.13 5.13 0.00	27.11 1.68 0.00	21.90 1.44 0.00	20.78 1.25 0.00	19.50 1.04 0.00	16.36 0.82 0.00	15.25 0.83 0.00	15.92 0.85 0.00	14.76 0.91 0.00	18.15 1.07 0.00	23.88 1.43 0.00	38.73 2.53 0.00	24.65 1.53 0.00	29.52 1.62 0.00	22.42 1.29 0.00	19.36 1.11 0.00
CALPINE_BP_GT1 23823	23.03 1.35 0.00	22.85 1.21 0.00	21.85 1.04 0.00	22.17 0.81 0.00	22.44 0.74 0.00	26.39 0.98 0.00	31.05 1.96 0.00	44.97 3.00 0.00	79.13 5.13 0.00	27.11 1.68 0.00	21.90 1.44 0.00	20.78 1.25 0.00	19.50 1.04 0.00	16.36 0.82 0.00	15.25 0.83 0.00	15.92 0.85 0.00	14.76 0.91 0.00	18.15 1.07 0.00	23.88 1.43 0.00	38.73 2.53 0.00	24.65 1.53 0.00	29.52 1.62 0.00	22.42 1.29 0.00	19.36 1.11 0.00
CALSPAN___DRP 24200	20.44 -1.24 0.00	20.66 -0.99 0.00	19.94 -0.88 0.00	20.51 -0.85 0.00	21.08 -0.61 0.00	24.82 -0.58 0.00	27.36 -1.73 0.00	38.72 -3.25 0.00	68.42 -5.58 0.00	23.36 -2.07 0.00	18.60 -1.87 0.00	17.77 -1.76 0.00	16.99 -1.48 0.00	14.23 -1.31 0.00	13.28 -1.14 0.00	14.01 -1.06 0.00	12.81 -1.05 0.00	15.68 -1.41 0.00	20.55 -1.90 0.00	33.18 -3.02 0.00	21.31 -1.81 0.00	25.57 -2.33 0.00	19.16 -1.97 0.00	16.89 -1.36 0.00



CALVERTON___SOLAR 323806	22.93 1.25 0.00	22.65 1.01 0.00	21.71 0.90 0.00	22.02 0.66 0.00	22.28 0.59 0.00	26.06 0.66 0.00	30.89 1.79 0.00	44.62 2.66 0.00	78.82 4.81 0.00	26.90 1.47 0.00	21.73 1.27 0.00	20.62 1.10 0.00	19.34 0.87 0.00	16.21 0.67 0.00	15.20 0.78 0.00	15.96 0.89 0.00	14.89 1.03 0.00	18.37 1.29 0.00	24.11 1.66 0.00	38.95 2.74 0.00	24.81 1.69 0.00	29.66 1.76 0.00	22.57 1.44 0.00	19.44 1.18 0.00
CANDIGU_WT_PWR 323617	20.78 -0.90 0.00	21.09 -0.56 0.00	20.16 -0.65 0.00	20.56 -0.80 0.00	21.18 -0.51 0.00	24.84 -0.57 0.00	28.53 -0.56 0.00	40.99 -0.97 0.00	72.20 -1.80 0.00	24.25 -1.18 0.00	19.35 -1.11 0.00	18.52 -1.01 0.00	17.51 -0.96 0.00	14.61 -0.93 0.00	13.62 -0.80 0.00	14.28 -0.79 0.00	13.13 -0.73 0.00	16.31 -0.77 0.00	21.51 -0.93 0.00	34.94 -1.26 0.00	22.20 -0.92 0.00	26.58 -1.32 0.00	20.19 -0.94 0.00	17.45 -0.80 0.00
CARR STREET_E_SYR 24060	21.49 -0.19 0.00	21.51 -0.14 0.00	20.68 -0.13 0.00	21.17 -0.19 0.00	21.54 -0.15 0.00	25.18 -0.23 0.00	28.62 -0.47 0.00	41.22 -0.75 0.00	72.67 -1.33 0.00	24.93 -0.50 0.00	20.00 -0.47 0.00	19.07 -0.45 0.00	18.06 -0.41 0.00	15.18 -0.36 0.00	14.11 -0.32 0.00	14.76 -0.31 0.00	13.59 -0.27 0.00	16.78 -0.30 0.00	21.97 -0.48 0.00	35.47 -0.73 0.00	22.64 -0.48 0.00	27.30 -0.61 0.00	20.68 -0.45 0.00	17.91 -0.34 0.00
CARTHAGE___PAPER 23857	23.06 -0.63 -2.01	23.03 -0.62 -2.01	22.04 -0.74 -1.97	22.47 -0.90 -2.00	22.66 -1.05 -2.02	26.40 -1.19 -2.18	27.54 -1.26 0.30	42.37 -1.62 -2.02	75.40 -3.00 -4.40	26.45 -1.17 -2.19	18.85 -1.24 0.37	20.03 -1.41 -1.92	18.90 -1.44 -1.87	16.05 -1.22 -1.74	14.93 -1.18 -1.68	15.56 -1.22 -1.71	14.40 -1.12 -1.66	17.72 -1.17 -1.80	21.77 -1.11 -0.44	37.41 -1.47 -2.68	24.26 -0.94 -2.08	28.96 -1.25 -2.31	22.05 -1.07 -1.99	19.12 -0.99 -1.86
CASSADAGA_WT_PWR 323784	20.55 -1.13 0.00	20.70 -0.94 0.00	19.93 -0.88 0.00	20.44 -0.93 0.00	21.10 -0.59 0.00	24.91 -0.50 0.00	27.76 -1.34 0.00	39.33 -2.63 0.00	69.95 -4.05 0.00	23.50 -1.93 0.00	18.69 -1.78 0.00	17.83 -1.69 0.00	16.96 -1.51 0.00	14.16 -1.39 0.00	13.23 -1.19 0.00	13.94 -1.13 0.00	12.70 -1.16 0.00	15.62 -1.46 0.00	20.60 -1.85 0.00	33.35 -2.85 0.00	21.53 -1.59 0.00	25.52 -2.39 0.00	19.10 -2.03 0.00	17.10 -1.16 0.00
CE_DUNWOOD___DRP 24194	22.66 0.98 0.00	22.56 0.92 0.00	21.57 0.76 0.00	21.92 0.56 0.00	22.26 0.57 0.00	26.18 0.78 0.00	30.65 1.56 0.00	44.47 2.50 0.00	78.43 4.43 0.00	26.81 1.38 0.00	21.55 1.09 0.00	20.53 1.00 0.00	19.32 0.85 0.00	16.24 0.70 0.00	15.11 0.69 0.00	15.76 0.70 0.00	14.53 0.67 0.00	17.92 0.84 0.00	23.61 1.16 0.00	38.30 2.09 0.00	24.37 1.25 0.00	29.26 1.35 0.00	22.19 1.06 0.00	19.08 0.83 0.00
CE_MILLWOOD___DRP 24193	22.64 0.96 0.00	22.55 0.90 0.00	21.56 0.75 0.00	21.91 0.55 0.00	22.26 0.56 0.00	26.16 0.76 0.00	30.63 1.53 0.00	44.42 2.45 0.00	78.35 4.35 0.00	26.77 1.34 0.00	21.52 1.05 0.00	20.49 0.97 0.00	19.29 0.82 0.00	16.22 0.68 0.00	15.09 0.66 0.00	15.74 0.67 0.00	14.51 0.65 0.00	17.90 0.82 0.00	23.58 1.13 0.00	38.25 2.04 0.00	24.34 1.22 0.00	29.23 1.32 0.00	22.17 1.04 0.00	19.07 0.81 0.00
CE_NYC2_DRP 24202	22.66 0.98 0.00	22.56 0.91 0.00	21.55 0.74 0.00	21.87 0.51 0.00	22.23 0.53 0.00	26.16 0.76 0.00	30.67 1.58 0.00	44.51 2.54 0.00	78.52 4.51 0.00	26.93 1.50 0.00	21.66 1.19 0.00	20.62 1.10 0.00	19.42 0.94 0.00	16.35 0.80 0.00	15.20 0.78 0.00	15.85 0.79 0.00	14.61 0.76 0.00	18.00 0.92 0.00	23.69 1.24 0.00	38.43 2.22 0.00	24.43 1.32 0.00	29.31 1.40 0.00	22.24 1.11 0.00	19.13 0.88 0.00
CE_NYC_DRP 24195	22.68 1.00 0.00	22.57 0.92 0.00	21.55 0.74 0.00	21.89 0.53 0.00	22.24 0.55 0.00	26.19 0.78 0.00	30.70 1.61 0.00	44.59 2.62 0.00	78.62 4.61 0.00	26.95 1.52 0.00	21.66 1.20 0.00	20.64 1.12 0.00	19.44 0.97 0.00	16.34 0.80 0.00	15.19 0.77 0.00	15.85 0.78 0.00	14.62 0.76 0.00	18.01 0.93 0.00	23.68 1.24 0.00	38.46 2.25 0.00	24.45 1.33 0.00	29.32 1.42 0.00	22.27 1.14 0.00	19.15 0.90 0.00
CHAFFEE___LFGE 323603	20.57 -1.11 0.00	20.77 -0.88 0.00	20.07 -0.74 0.00	20.63 -0.73 0.00	21.23 -0.47 0.00	24.97 -0.43 0.00	27.57 -1.53 0.00	39.03 -2.94 0.00	68.98 -5.02 0.00	23.55 -1.88 0.00	18.74 -1.73 0.00	17.92 -1.61 0.00	17.12 -1.35 0.00	14.33 -1.21 0.00	13.37 -1.05 0.00	14.10 -0.97 0.00	12.90 -0.96 0.00	15.80 -1.28 0.00	20.71 -1.74 0.00	33.46 -2.74 0.00	21.48 -1.64 0.00	25.77 -2.14 0.00	19.32 -1.82 0.00	17.01 -1.24 0.00
CHATEAUG_35_KV_LOAD 355732	-24.05 -0.88 44.85	-24.06 -0.93 44.77	-24.01 -0.84 43.98	-24.06 -0.72 44.70	-24.07 -0.76 45.01	-24.31 -0.98 48.73	-20.13 -1.37 47.86	-5.02 -1.85 45.13	-27.55 -3.47 98.09	-24.33 -0.89 48.87	-23.20 -0.66 43.00	-23.93 -0.63 42.83	-23.86 -0.54 41.79	-23.64 -0.44 38.74	-23.57 -0.45 37.54	-23.63 -0.50 38.21	-23.55 -0.48 36.93	-23.73 -0.65 40.17	-23.54 -0.91 45.08	-24.97 -1.42 59.76	-24.10 -0.80 46.42	-24.44 -0.86 51.48	-24.01 -0.69 44.45	-23.80 -0.65 41.41
CHATEAUG_WT_PWR 323614	-21.06 -1.03 41.71	-21.06 -1.07 41.64	-21.07 -0.98 40.90	-21.07 -0.88 41.57	-21.09 -0.93 41.86	-21.08 -1.16 45.32	-17.71 -1.51 45.30	-2.05 -2.05 41.97	-21.15 -3.94 91.22	-21.09 -1.07 45.45	-21.07 -0.80 40.73	-21.09 -0.78 39.83	-21.08 -0.68 38.87	-21.05 -0.57 36.02	-21.06 -0.58 34.91	-21.09 -0.63 35.53	-21.09 -0.60 34.34	-21.03 -0.76 37.36	-21.04 -1.06 42.43	-21.07 -1.70 55.57	-21.03 -0.98 43.17	-21.06 -1.09 47.88	-21.07 -0.86 41.34	-21.04 -0.79 38.50
CHAT_HIGH_FALL_HYD 323578	-24.05 -0.88 44.85	-24.06 -0.93 44.77	-24.01 -0.84 43.98	-24.06 -0.72 44.70	-24.07 -0.76 45.01	-24.31 -0.98 48.73	-20.13 -1.37 47.86	-5.02 -1.85 45.13	-27.55 -3.47 98.09	-24.33 -0.89 48.87	-23.20 -0.66 43.00	-23.93 -0.63 42.83	-23.86 -0.54 41.79	-23.64 -0.44 38.74	-23.57 -0.45 37.54	-23.63 -0.50 38.21	-23.55 -0.48 36.93	-23.73 -0.65 40.17	-23.54 -0.91 45.08	-24.97 -1.42 59.76	-24.10 -0.80 46.42	-24.44 -0.86 51.48	-24.01 -0.69 44.45	-23.80 -0.65 41.41
CHAUTAUQUA___LFGE 323629	20.43 -1.25 0.00	20.60 -1.04 0.00	19.86 -0.95 0.00	20.36 -1.00 0.00	20.99 -0.70 0.00	24.74 -0.67 0.00	27.52 -1.57 0.00	38.96 -3.01 0.00	69.10 -4.90 0.00	23.43 -2.00 0.00	18.69 -1.77 0.00	17.83 -1.70 0.00	16.98 -1.49 0.00	14.18 -1.37 0.00	13.25 -1.18 0.00	13.97 -1.10 0.00	12.75 -1.11 0.00	15.67 -1.41 0.00	20.59 -1.86 0.00	33.32 -2.88 0.00	21.44 -1.68 0.00	25.57 -2.33 0.00	19.16 -1.97 0.00	16.91 -1.34 0.00
CHERRYST_13_KV_LD 356241	22.73 1.05 0.00	22.62 0.97 0.00	21.61 0.80 0.00	21.94 0.58 0.00	22.30 0.61 0.00	26.25 0.84 0.00	30.79 1.69 0.00	44.72 2.75 0.00	78.85 4.84 0.00	27.03 1.60 0.00	21.73 1.27 0.00	20.72 1.19 0.00	19.51 1.04 0.00	16.39 0.86 0.00	15.25 0.82 0.00	15.90 0.84 0.00	14.67 0.81 0.00	18.07 0.99 0.00	23.75 1.31 0.00	38.57 2.36 0.00	24.52 1.40 0.00	29.39 1.49 0.00	22.32 1.19 0.00	19.19 0.94 0.00



CHESTROR_138KV_BK263 355645	22.48 0.80 0.00	22.41 0.76 0.00	21.45 0.63 0.00	21.82 0.46 0.00	22.16 0.47 0.00	26.05 0.64 0.00	30.39 1.30 0.00	44.05 2.08 0.00	77.72 3.72 0.00	26.52 1.09 0.00	21.29 0.82 0.00	20.28 0.75 0.00	19.08 0.61 0.00	16.04 0.50 0.00	14.92 0.50 0.00	15.57 0.50 0.00	14.35 0.49 0.00	17.72 0.64 0.00	23.36 0.92 0.00	37.88 1.68 0.00	24.12 1.00 0.00	28.99 1.09 0.00	21.98 0.84 0.00	18.91 0.66 0.00
CH_MIDHUDSON___DRP 24192	22.57 0.90 0.00	22.49 0.85 0.00	21.53 0.72 0.00	21.89 0.53 0.00	22.24 0.54 0.00	26.13 0.72 0.00	30.54 1.45 0.00	44.31 2.34 0.00	78.25 4.24 0.00	26.68 1.24 0.00	21.43 0.96 0.00	20.40 0.87 0.00	19.20 0.73 0.00	16.15 0.61 0.00	15.02 0.60 0.00	15.67 0.60 0.00	14.43 0.58 0.00	17.82 0.74 0.00	23.53 1.09 0.00	38.15 1.95 0.00	24.28 1.16 0.00	29.18 1.27 0.00	22.11 0.97 0.00	19.01 0.76 0.00
CH_MISC_IPPS 23765	22.73 1.05 0.00	22.65 1.00 0.00	21.67 0.86 0.00	22.04 0.68 0.00	22.39 0.69 0.00	26.32 0.92 0.00	30.77 1.68 0.00	44.64 2.67 0.00	78.78 4.77 0.00	26.86 1.43 0.00	21.56 1.09 0.00	20.53 1.00 0.00	19.31 0.84 0.00	16.23 0.69 0.00	15.10 0.68 0.00	15.75 0.69 0.00	14.53 0.67 0.00	17.95 0.87 0.00	23.70 1.26 0.00	38.44 2.23 0.00	24.47 1.35 0.00	29.38 1.48 0.00	22.26 1.13 0.00	19.14 0.89 0.00
CH_RES_BVR_FALLS 23983	21.31 -0.37 0.00	21.22 -0.42 0.00	20.39 -0.42 0.00	20.98 -0.38 0.00	21.25 -0.44 0.00	24.81 -0.60 0.00	14.13 -0.84 14.13	40.78 -1.18 0.00	71.74 -2.26 0.00	24.77 -0.66 0.00	6.64 -0.51 13.31	19.04 -0.49 0.00	18.03 -0.43 0.00	15.18 -0.35 0.00	14.07 -0.35 0.00	14.71 -0.36 0.00	13.51 -0.34 0.00	16.61 -0.47 0.00	12.65 -0.65 9.15	35.12 -1.09 0.00	22.46 -0.65 0.00	27.17 -0.73 0.00	20.59 -0.54 0.00	17.81 -0.44 0.00
CH_RES_NIAGARA 23895	19.75 -1.93 0.00	19.97 -1.67 0.00	19.35 -1.46 0.00	19.96 -1.40 0.00	20.57 -1.13 0.00	24.12 -1.28 0.00	26.34 -2.76 0.00	37.04 -4.93 0.00	65.11 -8.90 0.00	22.32 -3.11 0.00	17.77 -2.70 0.00	16.98 -2.55 0.00	16.26 -2.21 0.00	13.64 -1.90 0.00	12.72 -1.70 0.00	13.41 -1.66 0.00	12.27 -1.59 0.00	14.99 -2.09 0.00	19.59 -2.85 0.00	31.60 -4.60 0.00	20.27 -2.85 0.00	24.35 -3.56 0.00	18.25 -2.88 0.00	16.22 -2.03 0.00
CH_RES_SYRACUSE 23985	21.65 -0.03 0.00	21.68 0.03 0.00	20.84 0.03 0.00	21.34 -0.02 0.00	21.73 0.03 0.00	25.46 0.05 0.00	29.04 -0.05 0.00	41.77 -0.19 0.00	73.62 -0.38 0.00	25.18 -0.25 0.00	20.18 -0.29 0.00	19.25 -0.27 0.00	18.22 -0.25 0.00	15.32 -0.22 0.00	14.23 -0.19 0.00	14.89 -0.18 0.00	13.72 -0.14 0.00	16.97 -0.11 0.00	22.27 -0.18 0.00	35.98 -0.23 0.00	22.95 -0.16 0.00	27.60 -0.31 0.00	20.86 -0.27 0.00	18.05 -0.20 0.00
CLINTON_WT_PWR 323605	-21.06 -1.03 41.71	-21.06 -1.07 41.64	-21.07 -0.98 40.90	-21.07 -0.88 41.57	-21.09 -0.93 41.86	-21.08 -1.16 45.32	-17.71 -1.51 45.30	-2.05 -2.05 41.97	-21.15 -3.94 91.22	-21.09 -1.07 45.45	-21.07 -0.80 40.73	-21.09 -0.78 39.83	-21.08 -0.68 38.87	-21.05 -0.57 36.02	-21.06 -0.58 34.91	-21.09 -0.63 35.53	-21.09 -0.60 34.34	-21.03 -0.76 37.36	-21.04 -1.06 42.43	-21.07 -1.70 55.57	-21.03 -0.98 43.17	-21.06 -1.09 47.88	-21.07 -0.86 41.34	-21.04 -0.79 38.50
CLINTON___LFGE 323618	-21.49 -0.64 42.53	-21.48 -0.67 42.45	-21.51 -0.62 41.70	-21.54 -0.52 42.38	-21.55 -0.56 42.68	-21.51 -0.70 46.21	-17.85 -0.97 45.97	-2.00 -1.17 42.80	-21.33 -2.32 93.02	-21.41 -0.50 46.34	-21.21 -0.35 41.33	-21.44 -0.35 40.61	-21.45 -0.29 39.63	-21.44 -0.24 36.73	-21.46 -0.29 35.60	-21.53 -0.36 36.23	-21.53 -0.37 35.02	-21.49 -0.48 38.09	-21.37 -0.69 43.12	-21.51 -1.05 56.66	-21.46 -0.56 44.02	-21.49 -0.57 48.82	-21.52 -0.50 42.15	-21.50 -0.49 39.26
COBBLENY_34_KV_TB1 80064	20.58 -1.10 0.00	20.79 -0.85 0.00	20.06 -0.75 0.00	20.63 -0.74 0.00	21.20 -0.50 0.00	24.98 -0.42 0.00	27.57 -1.53 0.00	39.03 -2.94 0.00	68.95 -5.05 0.00	23.54 -1.89 0.00	18.75 -1.72 0.00	17.91 -1.62 0.00	17.12 -1.35 0.00	14.33 -1.21 0.00	13.37 -1.05 0.00	14.10 -0.96 0.00	12.90 -0.96 0.00	15.80 -1.29 0.00	20.71 -1.74 0.00	33.44 -2.76 0.00	21.47 -1.65 0.00	25.77 -2.14 0.00	19.31 -1.83 0.00	17.00 -1.25 0.00
COFFEEN___115KV_TB3 355620	22.66 -0.69 -1.67	22.66 -0.66 -1.67	21.66 -0.79 -1.64	22.05 -0.98 -1.67	22.24 -1.13 -1.68	25.97 -1.25 -1.82	27.55 -1.31 0.23	41.98 -1.67 -1.69	74.62 -3.05 -3.66	25.93 -1.33 -1.83	18.66 -1.51 0.30	19.42 -1.70 -1.60	18.28 -1.75 -1.56	15.52 -1.47 -1.45	14.41 -1.41 -1.40	15.02 -1.47 -1.42	13.90 -1.34 -1.38	17.21 -1.37 -1.50	21.54 -1.28 -0.38	36.92 -1.52 -2.23	23.88 -0.98 -1.74	28.49 -1.34 -1.92	21.62 -1.17 -1.66	18.71 -1.09 -1.55
COLDSPRG_115KV_BK1 355956	21.46 -0.22 0.00	21.62 -0.02 0.00	20.76 -0.05 0.00	21.23 -0.13 0.00	21.80 0.10 0.00	25.76 0.36 0.00	28.83 -0.27 0.00	41.03 -0.94 0.00	72.77 -1.23 0.00	24.59 -0.84 0.00	19.62 -0.85 0.00	18.74 -0.78 0.00	17.85 -0.62 0.00	14.92 -0.62 0.00	13.92 -0.50 0.00	14.65 -0.42 0.00	13.35 -0.51 0.00	16.34 -0.74 0.00	21.50 -0.95 0.00	34.82 -1.38 0.00	22.40 -0.72 0.00	26.77 -1.13 0.00	20.15 -0.99 0.00	17.80 -0.45 0.00
COLONIE_LFGE___ 323577	22.28 0.60 0.00	22.27 0.62 0.00	21.34 0.53 0.00	21.75 0.39 0.00	22.01 0.32 0.00	25.84 0.44 0.00	30.11 1.01 0.00	43.57 1.61 0.00	77.03 3.02 0.00	26.18 0.75 0.00	21.05 0.58 0.00	20.06 0.54 0.00	18.95 0.48 0.00	15.99 0.45 0.00	14.81 0.39 0.00	15.42 0.35 0.00	14.16 0.30 0.00	17.53 0.45 0.00	23.23 0.78 0.00	37.47 1.27 0.00	23.87 0.75 0.00	28.81 0.90 0.00	21.78 0.65 0.00	18.73 0.48 0.00
COOPERNY_115KV_TB1 80082	22.27 0.59 0.00	22.21 0.57 0.00	21.28 0.47 0.00	21.68 0.32 0.00	22.04 0.34 0.00	25.88 0.48 0.00	30.07 0.97 0.00	43.51 1.55 0.00	76.75 2.75 0.00	26.22 0.79 0.00	21.06 0.59 0.00	20.07 0.54 0.00	18.90 0.43 0.00	15.89 0.35 0.00	14.77 0.35 0.00	15.41 0.34 0.00	14.20 0.35 0.00	17.54 0.46 0.00	23.11 0.66 0.00	37.43 1.22 0.00	23.84 0.72 0.00	28.67 0.77 0.00	21.73 0.60 0.00	18.72 0.47 0.00
COPENHAGEN_WT_PWR 323753	22.31 -0.95 -1.59	22.33 -0.90 -1.59	21.35 -1.02 -1.56	21.68 -1.27 -1.58	21.82 -1.46 -1.59	25.45 -1.67 -1.72	27.05 -1.83 0.22	41.11 -2.46 -1.60	73.04 -4.43 -3.47	25.44 -1.72 -1.73	18.49 -1.70 0.28	19.18 -1.86 -1.52	18.05 -1.89 -1.48	15.32 -1.59 -1.37	14.24 -1.51 -1.33	14.85 -1.57 -1.35	13.73 -1.43 -1.31	16.97 -1.54 -1.42	21.19 -1.61 -0.36	36.12 -2.20 -2.11	23.35 -1.41 -1.65	27.88 -1.84 -1.82	21.18 -1.52 -1.57	18.34 -1.38 -1.46
CORNELL_____ 23752	22.01 0.34 0.00	22.01 0.37 0.00	21.17 0.37 0.00	21.62 0.25 0.00	22.04 0.35 0.00	25.92 0.52 0.00	29.70 0.61 0.00	42.85 0.88 0.00	75.51 1.50 0.00	25.65 0.23 0.00	20.41 -0.05 0.00	19.41 -0.12 0.00	18.33 -0.14 0.00	15.37 -0.16 0.00	14.30 -0.13 0.00	14.95 -0.12 0.00	13.79 -0.06 0.00	17.19 0.10 0.00	22.68 0.23 0.00	36.79 0.58 0.00	23.44 0.32 0.00	28.13 0.22 0.00	21.25 0.12 0.00	18.37 0.12 0.00



CORONA V_69_KV_TB1 355595	23.02 1.34 0.00	22.88 1.23 0.00	21.87 1.06 0.00	22.20 0.84 0.00	22.50 0.81 0.00	26.43 1.03 0.00	31.05 1.95 0.00	44.84 2.87 0.00	79.16 5.16 0.00	27.14 1.71 0.00	21.91 1.45 0.00	20.80 1.27 0.00	19.52 1.05 0.00	16.40 0.87 0.00	15.30 0.88 0.00	15.99 0.92 0.00	14.82 0.96 0.00	18.25 1.17 0.00	24.02 1.57 0.00	38.94 2.74 0.00	24.79 1.67 0.00	29.73 1.82 0.00	22.57 1.43 0.00	19.41 1.16 0.00
CORTLAND_115KV_TB3 80093	21.85 0.17 0.00	21.85 0.21 0.00	21.00 0.18 0.00	21.45 0.09 0.00	21.84 0.15 0.00	25.66 0.25 0.00	29.42 0.33 0.00	42.45 0.49 0.00	74.81 0.81 0.00	25.48 0.05 0.00	20.34 -0.12 0.00	19.37 -0.15 0.00	18.31 -0.16 0.00	15.36 -0.18 0.00	14.28 -0.14 0.00	14.94 -0.13 0.00	13.76 -0.09 0.00	17.09 0.01 0.00	22.52 0.07 0.00	36.45 0.25 0.00	23.24 0.12 0.00	27.91 0.01 0.00	21.11 -0.03 0.00	18.24 -0.01 0.00
COXSACKIE__GT 23611	23.43 1.75 0.00	23.41 1.76 0.00	22.47 1.66 0.00	22.99 1.63 0.00	23.29 1.59 0.00	27.42 2.02 0.00	31.92 2.83 0.00	46.23 4.26 0.00	81.65 7.64 0.00	27.57 2.14 0.00	22.02 1.55 0.00	20.94 1.42 0.00	19.69 1.23 0.00	16.49 0.95 0.00	15.26 0.84 0.00	16.07 1.00 0.00	14.86 1.00 0.00	18.43 1.35 0.00	24.52 2.08 0.00	39.81 3.61 0.00	25.30 2.18 0.00	30.47 2.57 0.00	22.97 1.84 0.00	19.71 1.46 0.00
CPV_VALLEY__CC1 323721	22.32 0.64 0.00	22.25 0.61 0.00	21.30 0.49 0.00	21.68 0.32 0.00	22.01 0.32 0.00	25.86 0.46 0.00	30.15 1.05 0.00	43.67 1.70 0.00	77.04 3.04 0.00	26.30 0.87 0.00	21.12 0.66 0.00	20.14 0.61 0.00	18.96 0.49 0.00	15.94 0.40 0.00	14.83 0.40 0.00	15.47 0.40 0.00	14.26 0.40 0.00	17.60 0.52 0.00	23.18 0.73 0.00	37.57 1.37 0.00	23.92 0.80 0.00	28.75 0.85 0.00	21.81 0.67 0.00	18.77 0.52 0.00
CPV_VALLEY__CC2 323722	22.32 0.64 0.00	22.25 0.61 0.00	21.30 0.49 0.00	21.68 0.32 0.00	22.01 0.32 0.00	25.86 0.46 0.00	30.15 1.05 0.00	43.67 1.70 0.00	77.04 3.04 0.00	26.30 0.87 0.00	21.12 0.66 0.00	20.14 0.61 0.00	18.96 0.49 0.00	15.94 0.40 0.00	14.83 0.40 0.00	15.47 0.40 0.00	14.26 0.40 0.00	17.60 0.52 0.00	23.18 0.73 0.00	37.57 1.37 0.00	23.92 0.80 0.00	28.75 0.85 0.00	21.81 0.67 0.00	18.77 0.52 0.00
CRESCENT__HYD 24018	22.28 0.60 0.00	22.27 0.62 0.00	21.34 0.53 0.00	21.75 0.39 0.00	22.01 0.32 0.00	25.84 0.44 0.00	30.11 1.01 0.00	43.57 3.02 0.00	77.03 3.02 0.00	26.18 0.75 0.00	21.05 0.58 0.00	20.06 0.54 0.00	18.95 0.48 0.00	15.99 0.45 0.00	14.81 0.39 0.00	15.42 0.35 0.00	14.16 0.30 0.00	17.53 0.45 0.00	23.23 0.78 0.00	37.47 1.27 0.00	23.87 0.75 0.00	28.81 0.90 0.00	21.78 0.65 0.00	18.73 0.48 0.00
CRICKET__VALLEY_CC1 323756	22.31 0.64 0.00	22.24 0.60 0.00	21.29 0.48 0.00	21.64 0.27 0.00	21.96 0.27 0.00	25.75 0.35 0.00	30.16 1.07 0.00	43.83 1.87 0.00	77.49 3.49 0.00	26.36 0.92 0.00	21.19 0.72 0.00	20.18 0.65 0.00	18.99 0.52 0.00	16.00 0.46 0.00	14.90 0.48 0.00	15.53 0.46 0.00	14.27 0.41 0.00	17.60 0.52 0.00	23.26 0.81 0.00	37.70 1.50 0.00	23.98 0.86 0.00	28.84 0.93 0.00	21.85 0.72 0.00	18.80 0.55 0.00
CRICKET__VALLEY_CC2 323757	22.31 0.64 0.00	22.24 0.60 0.00	21.29 0.48 0.00	21.64 0.27 0.00	21.96 0.27 0.00	25.75 0.35 0.00	30.16 1.07 0.00	43.83 1.87 0.00	77.49 3.49 0.00	26.36 0.92 0.00	21.19 0.72 0.00	20.18 0.65 0.00	18.99 0.52 0.00	16.00 0.46 0.00	14.90 0.48 0.00	15.53 0.46 0.00	14.27 0.41 0.00	17.60 0.52 0.00	23.26 0.81 0.00	37.70 1.50 0.00	23.98 0.86 0.00	28.84 0.93 0.00	21.85 0.72 0.00	18.80 0.55 0.00
CRICKET__VALLEY_CC3 323758	22.31 0.64 0.00	22.24 0.60 0.00	21.29 0.48 0.00	21.64 0.27 0.00	21.96 0.27 0.00	25.75 0.35 0.00	30.16 1.07 0.00	43.83 1.87 0.00	77.49 3.49 0.00	26.36 0.92 0.00	21.19 0.72 0.00	20.18 0.65 0.00	18.99 0.52 0.00	16.00 0.46 0.00	14.90 0.48 0.00	15.53 0.46 0.00	14.27 0.41 0.00	17.60 0.52 0.00	23.26 0.81 0.00	37.70 1.50 0.00	23.98 0.86 0.00	28.84 0.93 0.00	21.85 0.72 0.00	18.80 0.55 0.00
CRUCIBLE_METL_DRP 24180	21.65 -0.03 0.00	21.68 0.04 0.00	20.84 0.03 0.00	21.34 -0.02 0.00	21.73 0.03 0.00	25.46 0.05 0.00	29.04 -0.05 0.00	41.77 -0.19 0.00	73.62 -0.38 0.00	25.18 -0.25 0.00	20.17 -0.30 0.00	19.25 -0.28 0.00	18.22 -0.25 0.00	15.32 -0.22 0.00	14.24 -0.19 0.00	14.89 -0.18 0.00	13.72 -0.14 0.00	16.97 -0.11 0.00	22.27 -0.18 0.00	35.98 -0.23 0.00	22.95 -0.16 0.00	27.59 -0.31 0.00	20.87 -0.27 0.00	18.05 -0.20 0.00
DAHOWA__HYDRO 323763	22.56 0.88 0.00	22.56 0.92 0.00	21.62 0.81 0.00	22.04 0.68 0.00	22.34 0.64 0.00	26.27 0.87 0.00	30.68 1.58 0.00	44.39 2.43 0.00	78.63 4.63 0.00	26.64 1.21 0.00	21.40 0.93 0.00	20.35 0.82 0.00	19.25 0.78 0.00	16.24 0.70 0.00	14.96 0.54 0.00	15.59 0.52 0.00	14.28 0.42 0.00	17.75 0.67 0.00	23.66 1.21 0.00	38.23 2.02 0.00	24.32 1.20 0.00	29.26 1.36 0.00	22.07 0.94 0.00	18.94 0.69 0.00
DANC__LFGE 323619	22.03 -0.75 -1.10	22.04 -0.70 -1.10	21.11 -0.77 -1.08	21.51 -0.94 -1.09	21.75 -1.04 -1.10	25.40 -1.19 -1.19	27.61 -1.36 0.13	41.20 -1.87 -1.10	73.09 -3.31 -2.40	25.30 -1.32 -1.19	19.03 -1.27 0.17	19.20 -1.37 -1.05	18.08 -1.41 -1.02	15.29 -1.19 -0.95	14.22 -1.12 -0.92	14.84 -1.16 -0.93	13.71 -1.05 -0.90	16.94 -1.12 -0.98	21.48 -1.23 -0.26	35.95 -1.71 -1.46	23.15 -1.11 -1.14	27.71 -1.46 -1.26	21.01 -1.20 -1.09	18.20 -1.06 -1.01
DANSKAMMER__1 23586	22.73 1.05 0.00	22.65 1.00 0.00	21.67 0.86 0.00	22.04 0.68 0.00	22.39 0.69 0.00	26.32 0.92 0.00	30.77 1.68 0.00	44.64 2.67 0.00	78.78 4.77 0.00	26.86 1.43 0.00	21.56 1.09 0.00	20.53 1.00 0.00	19.31 0.84 0.00	16.23 0.69 0.00	15.10 0.68 0.00	15.75 0.69 0.00	14.53 0.67 0.00	17.95 0.87 0.00	23.70 1.26 0.00	38.44 2.23 0.00	24.47 1.35 0.00	29.38 1.48 0.00	22.26 1.13 0.00	19.14 0.89 0.00
DANSKAMMER__2 23589	22.73 1.05 0.00	22.65 1.00 0.00	21.67 0.86 0.00	22.04 0.68 0.00	22.39 0.69 0.00	26.32 0.92 0.00	30.77 1.68 0.00	44.64 2.67 0.00	78.78 4.77 0.00	26.86 1.43 0.00	21.56 1.09 0.00	20.53 1.00 0.00	19.31 0.84 0.00	16.23 0.69 0.00	15.10 0.68 0.00	15.75 0.69 0.00	14.53 0.67 0.00	17.95 0.87 0.00	23.70 1.26 0.00	38.44 2.23 0.00	24.47 1.35 0.00	29.38 1.48 0.00	22.26 1.13 0.00	19.14 0.89 0.00
DANSKAMMER__3 23590	22.73 1.05 0.00	22.65 1.00 0.00	21.67 0.86 0.00	22.04 0.68 0.00	22.39 0.69 0.00	26.32 0.92 0.00	30.77 1.68 0.00	44.64 2.67 0.00	78.78 4.77 0.00	26.86 1.43 0.00	21.56 1.09 0.00	20.53 1.00 0.00	19.31 0.84 0.00	16.23 0.69 0.00	15.10 0.68 0.00	15.75 0.69 0.00	14.53 0.67 0.00	17.95 0.87 0.00	23.70 1.26 0.00	38.44 2.23 0.00	24.47 1.35 0.00	29.38 1.48 0.00	22.26 1.13 0.00	19.14 0.89 0.00



DANSKAMMER___4 23591	22.73 1.05 0.00	22.65 1.00 0.00	21.67 0.86 0.00	22.04 0.68 0.00	22.39 0.69 0.00	26.32 0.92 0.00	30.77 1.68 0.00	44.64 2.67 0.00	78.78 4.77 0.00	26.86 1.43 0.00	21.56 1.09 0.00	20.53 1.00 0.00	19.31 0.84 0.00	16.23 0.69 0.00	15.10 0.68 0.00	15.75 0.69 0.00	14.53 0.67 0.00	17.95 0.87 0.00	23.70 1.26 0.00	38.44 2.23 0.00	24.47 1.35 0.00	29.38 1.48 0.00	22.26 1.13 0.00	19.14 0.89 0.00
DANSKAMMER___DIESEL 23592	22.72 1.05 0.00	22.64 1.00 0.00	21.67 0.86 0.00	22.04 0.68 0.00	22.39 0.70 0.00	26.32 0.91 0.00	30.77 1.68 0.00	44.64 2.68 0.00	78.79 4.79 0.00	26.86 1.43 0.00	21.56 1.09 0.00	20.53 1.00 0.00	19.31 0.84 0.00	16.23 0.69 0.00	15.10 0.68 0.00	15.75 0.69 0.00	14.52 0.67 0.00	17.95 0.87 0.00	23.70 1.26 0.00	38.44 2.23 0.00	24.47 1.35 0.00	29.38 1.48 0.00	22.26 1.13 0.00	19.14 0.89 0.00
DARBY___SOLAR 323810	22.50 0.82 0.00	22.50 0.85 0.00	21.56 0.75 0.00	21.98 0.62 0.00	22.28 0.59 0.00	26.20 0.79 0.00	30.56 1.47 0.00	44.22 2.26 0.00	78.27 4.27 0.00	26.54 1.11 0.00	21.32 0.85 0.00	20.28 0.75 0.00	19.17 0.70 0.00	16.17 0.64 0.00	14.90 0.48 0.00	15.53 0.46 0.00	14.25 0.39 0.00	17.70 0.62 0.00	23.57 1.12 0.00	38.07 1.86 0.00	24.22 1.10 0.00	29.16 1.26 0.00	22.01 0.88 0.00	18.90 0.65 0.00
DASHVILLE___HYD 23610	22.36 0.68 0.00	22.26 0.61 0.00	21.30 0.49 0.00	21.65 0.29 0.00	22.01 0.32 0.00	25.86 0.46 0.00	30.24 1.15 0.00	43.89 1.92 0.00	77.46 3.46 0.00	26.43 1.01 0.00	21.21 0.75 0.00	20.20 0.68 0.00	19.05 0.58 0.00	16.06 0.52 0.00	14.96 0.54 0.00	15.61 0.54 0.00	14.39 0.53 0.00	17.74 0.65 0.00	23.30 0.85 0.00	37.80 1.60 0.00	24.06 0.94 0.00	28.90 0.99 0.00	21.91 0.77 0.00	18.84 0.59 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	23.04 1.37 0.00	22.75 1.11 0.00	21.80 0.99 0.00	22.12 0.75 0.00	22.43 0.73 0.00	26.22 0.82 0.00	31.40 2.31 0.00	45.36 3.40 0.00	80.08 6.07 0.00	27.31 1.88 0.00	22.08 1.61 0.00	20.92 1.39 0.00	19.59 1.13 0.00	16.41 0.87 0.00	15.40 0.98 0.00	16.15 1.09 0.00	15.08 1.22 0.00	18.63 1.55 0.00	24.46 2.01 0.00	39.55 3.35 0.00	25.19 2.07 0.00	30.10 2.20 0.00	22.88 1.75 0.00	19.70 1.45 0.00
DELAWARE___LFGE 323621	22.21 0.53 0.00	22.14 0.49 0.00	21.27 0.46 0.00	21.71 0.35 0.00	22.07 0.38 0.00	25.97 0.57 0.00	29.92 0.83 0.00	43.21 1.25 0.00	76.19 2.19 0.00	26.02 0.59 0.00	20.89 0.42 0.00	19.90 0.37 0.00	18.77 0.30 0.00	15.76 0.22 0.00	14.65 0.23 0.00	15.31 0.24 0.00	14.10 0.24 0.00	17.44 0.36 0.00	22.98 0.54 0.00	37.15 0.94 0.00	23.67 0.55 0.00	28.49 0.58 0.00	21.56 0.43 0.00	18.61 0.36 0.00
DERFIELD_115KV_TB7 355931	21.77 0.09 0.00	21.74 0.10 0.00	20.87 0.06 0.00	21.38 0.02 0.00	21.69 0.00 0.00	25.44 0.03 0.00	29.73 0.18 -0.45	42.27 0.30 0.00	74.59 0.59 0.00	25.55 0.12 0.00	20.98 0.08 -0.43	19.59 0.07 0.00	18.51 0.04 0.00	15.57 0.03 0.00	14.45 0.03 0.00	15.09 0.03 0.00	13.88 0.02 0.00	17.13 0.05 0.00	22.86 0.12 -0.29	36.42 0.21 0.00	23.23 0.11 0.00	28.01 0.11 0.00	21.20 0.07 0.00	18.30 0.04 0.00
DOGLEVILLE___HYD 23807	21.53 -0.15 0.00	21.51 -0.14 0.00	20.64 -0.17 0.00	21.00 -0.36 0.00	21.23 -0.47 0.00	25.03 -0.37 0.00	29.77 0.22 -0.45	42.59 0.62 0.00	75.38 1.38 0.00	25.58 0.15 0.00	20.89 -0.01 -0.43	19.53 0.01 0.00	18.33 -0.14 0.00	15.30 -0.24 0.00	14.16 -0.27 0.00	14.75 -0.32 0.00	13.56 -0.30 0.00	16.86 -0.22 0.00	22.80 0.06 -0.29	36.56 0.35 0.00	23.26 0.14 0.00	27.98 0.07 0.00	21.10 -0.03 0.00	18.11 -0.14 0.00
DUNKIRK___115KV_TB_200 55889	20.46 -1.22 0.00	20.64 -1.01 0.00	19.87 -0.94 0.00	20.38 -0.98 0.00	20.97 -0.72 0.00	24.75 -0.65 0.00	27.52 -1.58 0.00	38.95 -3.01 0.00	69.04 -4.96 0.00	23.43 -2.00 0.00	18.70 -1.77 0.00	17.83 -1.69 0.00	16.99 -1.48 0.00	14.20 -1.35 0.00	13.26 -1.16 0.00	13.99 -1.08 0.00	12.77 -1.09 0.00	15.68 -1.40 0.00	20.60 -1.84 0.00	33.32 -2.88 0.00	21.43 -1.69 0.00	25.59 -2.32 0.00	19.18 -1.95 0.00	16.91 -1.34 0.00
DUNKIRK___1 23563	20.46 -1.22 0.00	20.64 -1.01 0.00	19.87 -0.94 0.00	20.38 -0.98 0.00	20.97 -0.72 0.00	24.75 -0.65 0.00	27.52 -1.58 0.00	38.95 -3.01 0.00	69.04 -4.96 0.00	23.43 -2.00 0.00	18.70 -1.77 0.00	17.83 -1.69 0.00	16.99 -1.48 0.00	14.20 -1.35 0.00	13.26 -1.16 0.00	13.99 -1.08 0.00	12.77 -1.09 0.00	15.68 -1.40 0.00	20.60 -1.84 0.00	33.32 -2.88 0.00	21.43 -1.69 0.00	25.59 -2.32 0.00	19.18 -1.95 0.00	16.91 -1.34 0.00
DUNKIRK___2 23564	20.46 -1.22 0.00	20.64 -1.01 0.00	19.87 -0.94 0.00	20.38 -0.98 0.00	20.97 -0.72 0.00	24.75 -0.65 0.00	27.52 -1.58 0.00	38.95 -3.01 0.00	69.04 -4.96 0.00	23.43 -2.00 0.00	18.70 -1.77 0.00	17.83 -1.69 0.00	16.99 -1.48 0.00	14.20 -1.35 0.00	13.26 -1.16 0.00	13.99 -1.08 0.00	12.77 -1.09 0.00	15.68 -1.40 0.00	20.60 -1.84 0.00	33.32 -2.88 0.00	21.43 -1.69 0.00	25.59 -2.32 0.00	19.18 -1.95 0.00	16.91 -1.34 0.00
DUNKIRK___3 23565	20.48 -1.20 0.00	20.66 -0.98 0.00	19.90 -0.91 0.00	20.41 -0.95 0.00	20.99 -0.71 0.00	24.75 -0.65 0.00	27.49 -1.61 0.00	38.96 -3.00 0.00	69.13 -4.87 0.00	23.46 -1.97 0.00	18.74 -1.73 0.00	17.89 -1.64 0.00	17.05 -1.42 0.00	14.24 -1.30 0.00	13.30 -1.12 0.00	14.03 -1.04 0.00	12.80 -1.06 0.00	15.70 -1.38 0.00	20.62 -1.83 0.00	33.35 -2.86 0.00	21.43 -1.69 0.00	25.63 -2.27 0.00	19.24 -1.89 0.00	16.94 -1.31 0.00
DUNKIRK___4 23566	20.48 -1.20 0.00	20.66 -0.98 0.00	19.90 -0.91 0.00	20.41 -0.95 0.00	20.99 -0.71 0.00	24.75 -0.65 0.00	27.49 -1.61 0.00	38.92 -3.04 0.00	68.96 -5.05 0.00	23.43 -2.00 0.00	18.69 -1.77 0.00	17.83 -1.69 0.00	17.00 -1.46 0.00	14.21 -1.33 0.00	13.27 -1.15 0.00	14.01 -1.06 0.00	12.80 -1.06 0.00	15.70 -1.38 0.00	20.62 -1.83 0.00	33.35 -2.86 0.00	21.43 -1.69 0.00	25.63 -2.27 0.00	19.24 -1.89 0.00	16.94 -1.31 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	22.69 1.01 0.00	22.59 0.94 0.00	21.59 0.78 0.00	21.94 0.58 0.00	22.28 0.59 0.00	26.21 0.81 0.00	30.69 1.59 0.00	44.52 2.55 0.00	78.53 4.53 0.00	26.86 1.43 0.00	21.60 1.13 0.00	20.57 1.04 0.00	19.36 0.89 0.00	16.28 0.74 0.00	15.14 0.72 0.00	15.80 0.73 0.00	14.57 0.71 0.00	17.96 0.88 0.00	23.65 1.20 0.00	38.36 2.15 0.00	24.41 1.30 0.00	29.31 1.40 0.00	22.23 1.10 0.00	19.12 0.87 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	22.59 0.91 0.00	22.51 0.87 0.00	21.55 0.73 0.00	21.91 0.55 0.00	22.27 0.57 0.00	26.17 0.76 0.00	30.57 1.47 0.00	44.32 2.36 0.00	78.22 4.22 0.00	26.68 1.25 0.00	21.40 0.94 0.00	20.39 0.86 0.00	19.18 0.71 0.00	16.12 0.58 0.00	14.99 0.57 0.00	15.64 0.58 0.00	14.42 0.57 0.00	17.82 0.74 0.00	23.52 1.07 0.00	38.14 1.94 0.00	24.28 1.16 0.00	29.17 1.27 0.00	22.11 0.98 0.00	19.01 0.76 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	22.61 0.93 0.00	22.53 0.88 0.00	21.54 0.72 0.00	21.83 0.47 0.00	22.18 0.49 0.00	26.08 0.67 0.00	30.59 1.49 0.00	44.39 2.43 0.00	78.34 4.34 0.00	26.87 1.44 0.00	21.62 1.15 0.00	20.54 1.02 0.00	19.33 0.86 0.00	16.26 0.72 0.00	15.12 0.69 0.00	15.76 0.70 0.00	14.53 0.67 0.00	17.90 0.82 0.00	23.54 1.10 0.00	38.24 2.03 0.00	24.39 1.27 0.00	29.24 1.34 0.00	22.21 1.08 0.00	19.10 0.85 0.00
E179THST_13_KV_LOAD 356214	22.70 1.03 0.00	22.62 0.97 0.00	21.63 0.82 0.00	21.91 0.55 0.00	22.27 0.57 0.00	26.19 0.78 0.00	30.73 1.64 0.00	44.60 2.64 0.00	78.72 4.72 0.00	27.00 1.57 0.00	21.72 1.26 0.00	20.64 1.12 0.00	19.43 0.96 0.00	16.34 0.80 0.00	15.19 0.77 0.00	15.85 0.78 0.00	14.60 0.75 0.00	17.99 0.90 0.00	23.65 1.20 0.00	38.41 2.21 0.00	24.51 1.39 0.00	29.38 1.48 0.00	22.31 1.18 0.00	19.18 0.93 0.00
EAST HAMPTON___GT 23717	23.00 1.32 0.00	22.71 1.06 0.00	21.75 0.94 0.00	22.10 0.73 0.00	22.38 0.68 0.00	26.19 0.79 0.00	31.78 2.68 0.00	45.93 3.97 0.00	81.06 7.05 0.00	27.63 2.20 0.00	22.32 1.85 0.00	21.13 1.61 0.00	19.77 1.30 0.00	16.55 1.01 0.00	15.54 1.12 0.00	16.29 1.22 0.00	15.21 1.35 0.00	18.82 1.73 0.00	24.73 2.28 0.00	40.01 3.80 0.00	25.47 2.35 0.00	30.43 2.53 0.00	23.12 1.98 0.00	19.89 1.64 0.00
EAST RIVER___6 23660	22.68 1.00 0.00	22.57 0.92 0.00	21.55 0.74 0.00	21.88 0.52 0.00	22.24 0.54 0.00	26.19 0.78 0.00	30.71 1.61 0.00	44.63 2.67 0.00	78.70 4.69 0.00	26.97 1.55 0.00	21.68 1.21 0.00	20.66 1.14 0.00	19.46 0.99 0.00	16.35 0.81 0.00	15.21 0.78 0.00	15.86 0.79 0.00	14.63 0.77 0.00	18.03 0.95 0.00	23.70 1.26 0.00	38.48 2.27 0.00	24.47 1.35 0.00	29.33 1.42 0.00	22.27 1.14 0.00	19.15 0.89 0.00
EAST RIVER___7 23524	22.68 1.00 0.00	22.57 0.92 0.00	21.55 0.74 0.00	21.88 0.52 0.00	22.24 0.54 0.00	26.19 0.78 0.00	30.71 1.61 0.00	44.63 2.67 0.00	78.70 4.69 0.00	26.97 1.55 0.00	21.68 1.21 0.00	20.66 1.14 0.00	19.46 0.99 0.00	16.35 0.81 0.00	15.21 0.78 0.00	15.86 0.79 0.00	14.63 0.77 0.00	18.03 0.95 0.00	23.70 1.26 0.00	38.48 2.27 0.00	24.47 1.35 0.00	29.33 1.42 0.00	22.27 1.14 0.00	19.15 0.89 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	22.66 0.98 0.00	22.56 0.92 0.00	21.57 0.76 0.00	21.92 0.56 0.00	22.26 0.57 0.00	26.18 0.78 0.00	30.65 1.56 0.00	44.47 2.50 0.00	78.43 4.43 0.00	26.81 1.38 0.00	21.55 1.09 0.00	20.53 1.00 0.00	19.32 0.85 0.00	16.24 0.70 0.00	15.11 0.69 0.00	15.76 0.70 0.00	14.53 0.67 0.00	17.92 0.84 0.00	23.61 1.16 0.00	38.30 2.09 0.00	24.37 1.25 0.00	29.26 1.35 0.00	22.19 1.06 0.00	19.08 0.83 0.00
EAST_HAMPTON___DIESEL 23722	22.96 1.29 0.00	22.67 1.03 0.00	21.72 0.91 0.00	22.06 0.70 0.00	22.34 0.65 0.00	26.15 0.74 0.00	31.78 2.68 0.00	45.93 3.97 0.00	81.06 7.05 0.00	27.63 2.20 0.00	22.32 1.85 0.00	21.13 1.61 0.00	19.77 1.30 0.00	16.55 1.01 0.00	15.54 1.12 0.00	16.29 1.22 0.00	15.21 1.35 0.00	18.82 1.73 0.00	24.73 2.28 0.00	40.01 3.80 0.00	25.47 2.35 0.00	30.44 2.53 0.00	23.12 1.99 0.00	19.89 1.64 0.00
EAST_PULASKI___ESR 323781	21.20 -0.48 0.00	21.21 -0.44 0.00	20.36 -0.46 0.00	20.80 -0.56 0.00	21.13 -0.57 0.00	24.75 -0.65 0.00	27.71 -0.83 0.56	40.78 -1.18 0.00	71.93 -2.07 0.00	24.57 -0.86 0.00	19.12 -0.82 0.53	18.68 -0.85 0.00	17.59 -0.88 0.00	14.79 -0.75 0.00	13.73 -0.69 0.00	14.36 -0.71 0.00	13.23 -0.63 0.00	16.41 -0.67 0.00	21.30 -0.78 0.36	35.09 -1.11 0.00	22.39 -0.73 0.00	26.92 -0.99 0.00	20.31 -0.82 0.00	17.57 -0.68 0.00
EAST_RIVER___1 323558	22.68 1.00 0.00	22.57 0.93 0.00	21.55 0.74 0.00	21.89 0.53 0.00	22.24 0.54 0.00	26.19 0.78 0.00	30.70 1.61 0.00	44.59 2.63 0.00	78.60 4.60 0.00	26.95 1.52 0.00	21.66 1.19 0.00	20.65 1.12 0.00	19.44 0.97 0.00	16.35 0.80 0.00	15.19 0.77 0.00	15.85 0.78 0.00	14.62 0.76 0.00	18.01 0.93 0.00	23.68 1.23 0.00	38.46 2.25 0.00	24.45 1.33 0.00	29.32 1.42 0.00	22.27 1.14 0.00	19.15 0.90 0.00
EAST_RIVER___2 323559	22.68 1.00 0.00	22.57 0.92 0.00	21.55 0.74 0.00	21.88 0.52 0.00	22.24 0.54 0.00	26.19 0.78 0.00	30.71 1.61 0.00	44.63 2.67 0.00	78.70 4.69 0.00	26.97 1.55 0.00	21.68 1.21 0.00	20.66 1.14 0.00	19.46 0.99 0.00	16.35 0.81 0.00	15.21 0.78 0.00	15.86 0.79 0.00	14.63 0.77 0.00	18.03 0.95 0.00	23.70 1.26 0.00	38.48 2.27 0.00	24.47 1.35 0.00	29.33 1.42 0.00	22.27 1.14 0.00	19.15 0.89 0.00
EAST___DELAWARE_HYD 23607	22.92 1.24 0.00	22.83 1.19 0.00	21.85 1.04 0.00	22.24 0.87 0.00	22.61 0.91 0.00	26.60 1.20 0.00	31.05 1.95 0.00	45.05 3.09 0.00	79.54 5.54 0.00	27.13 1.70 0.00	21.61 1.15 0.00	20.69 1.16 0.00	19.37 0.90 0.00	16.23 0.69 0.00	15.11 0.69 0.00	15.76 0.69 0.00	14.55 0.69 0.00	18.03 0.94 0.00	23.84 1.39 0.00	38.80 2.59 0.00	24.71 1.59 0.00	29.67 1.76 0.00	22.46 1.32 0.00	19.30 1.05 0.00
EIGHT_POINT___WT_PWR 323820	20.31 -1.37 0.00	21.06 -0.59 0.00	19.89 -0.92 0.00	20.27 -1.09 0.00	21.12 -0.58 0.00	24.39 -1.02 0.00	28.06 -1.04 0.00	40.36 -1.61 0.00	70.94 -3.07 0.00	23.69 -1.73 0.00	18.87 -1.60 0.00	18.01 -1.52 0.00	16.99 -1.48 0.00	14.16 -1.38 0.00	13.20 -1.23 0.00	13.84 -1.22 0.00	12.78 -1.08 0.00	15.94 -1.14 0.00	21.12 -1.33 0.00	34.47 -1.74 0.00	21.98 -1.14 0.00	26.49 -1.42 0.00	20.19 -0.94 0.00	17.51 -0.74 0.00
ELBRIDGE_115KV_TB2 80188	21.52 -0.16 0.00	21.54 -0.10 0.00	20.72 -0.09 0.00	21.21 -0.15 0.00	21.61 -0.08 0.00	25.32 -0.09 0.00	28.91 -0.18 0.00	41.55 -0.41 0.00	73.22 -0.78 0.00	25.05 -0.39 0.00	20.09 -0.38 0.00	19.14 -0.38 0.00	18.12 -0.35 0.00	15.23 -0.31 0.00	14.16 -0.26 0.00	14.81 -0.26 0.00	13.64 -0.21 0.00	16.87 -0.21 0.00	22.13 -0.32 0.00	35.79 -0.42 0.00	22.84 -0.28 0.00	27.44 -0.47 0.00	20.75 -0.38 0.00	17.95 -0.30 0.00
ELEC_TRO_TEK 24086	22.91 1.24 0.00	22.77 1.12 0.00	21.76 0.95 0.00	22.10 0.73 0.00	22.39 0.70 0.00	26.32 0.92 0.00	30.92 1.82 0.00	44.78 2.81 0.00	78.93 4.93 0.00	27.04 1.61 0.00	21.84 1.37 0.00	20.74 1.21 0.00	19.47 1.00 0.00	16.35 0.81 0.00	15.23 0.81 0.00	15.93 0.86 0.00	14.75 0.89 0.00	18.17 1.08 0.00	23.91 1.46 0.00	38.75 2.55 0.00	24.67 1.55 0.00	29.57 1.66 0.00	22.45 1.32 0.00	19.32 1.07 0.00
ELLENBURG_WT_PWR 323604	-21.06 -1.03 41.71	-21.06 -1.07 41.64	-21.07 -0.98 40.90	-21.07 -0.88 41.57	-21.09 -0.93 41.86	-21.08 -1.16 45.32	-17.71 -1.51 45.30	-2.05 -2.05 41.97	-21.15 -3.94 91.22	-21.09 -1.07 45.45	-21.07 -0.80 40.73	-21.09 -0.78 39.83	-21.08 -0.68 38.87	-21.05 -0.57 36.02	-21.06 -0.58 34.91	-21.09 -0.63 35.53	-21.09 -0.60 34.34	-21.03 -0.76 37.36	-21.04 -1.06 42.43	-21.07 -1.70 55.57	-21.03 -0.98 43.17	-21.06 -1.09 47.88	-21.07 -0.86 41.34	-21.04 -0.79 38.50



ELM_ST_23_KV_LD_REV_LBMP_A 345012	20.31 -1.37 0.00	20.53 -1.12 0.00	19.82 -0.99 0.00	20.40 -0.96 0.00	20.97 -0.73 0.00	24.68 -0.73 0.00	27.17 -1.92 0.00	38.43 -3.54 0.00	67.85 -6.15 0.00	23.19 -2.24 0.00	18.47 -2.00 0.00	17.63 -1.89 0.00	16.86 -1.61 0.00	14.13 -1.41 0.00	13.19 -1.24 0.00	13.91 -1.16 0.00	12.72 -1.14 0.00	15.56 -1.52 0.00	20.39 -2.06 0.00	32.91 -3.29 0.00	21.13 -1.98 0.00	25.36 -2.55 0.00	19.00 -2.13 0.00	16.76 -1.49 0.00
EMPIRE_CC_1 323656	22.13 0.45 0.00	22.12 0.47 0.00	21.18 0.37 0.00	21.59 0.22 0.00	21.84 0.14 0.00	25.60 0.20 0.00	29.81 0.72 0.00	43.02 1.06 0.00	76.04 2.03 0.00	25.87 0.44 0.00	20.81 0.35 0.00	19.84 0.32 0.00	18.77 0.30 0.00	15.88 0.34 0.00	14.73 0.31 0.00	15.33 0.26 0.00	14.08 0.22 0.00	17.39 0.31 0.00	22.94 0.50 0.00	36.99 0.78 0.00	23.58 0.46 0.00	28.46 0.56 0.00	21.63 0.50 0.00	18.61 0.35 0.00
EMPIRE_CC_2 323658	22.13 0.45 0.00	22.12 0.47 0.00	21.18 0.37 0.00	21.59 0.22 0.00	21.84 0.14 0.00	25.60 0.20 0.00	29.81 0.72 0.00	43.02 1.06 0.00	76.04 2.03 0.00	25.87 0.44 0.00	20.81 0.35 0.00	19.84 0.32 0.00	18.77 0.30 0.00	15.88 0.34 0.00	14.73 0.31 0.00	15.33 0.26 0.00	14.08 0.22 0.00	17.39 0.31 0.00	22.94 0.50 0.00	36.99 0.78 0.00	23.58 0.46 0.00	28.46 0.56 0.00	21.63 0.50 0.00	18.61 0.35 0.00
ENORWICH_115KV_TB1 80156	22.84 1.16 0.00	22.60 0.95 0.00	22.03 1.21 0.00	22.21 0.85 0.00	22.75 1.06 0.00	27.06 1.66 0.00	30.81 1.72 0.00	44.74 2.77 0.00	78.59 4.59 0.00	26.64 1.21 0.00	21.04 0.57 0.00	19.81 0.29 0.00	18.57 0.10 0.00	15.54 0.00 0.00	14.43 0.01 0.00	15.09 0.02 0.00	13.93 0.08 0.00	17.59 0.51 0.00	23.49 1.04 0.00	38.25 2.04 0.00	24.35 1.23 0.00	29.14 1.23 0.00	21.94 0.81 0.00	19.01 0.76 0.00
ERIE_ST__34_KV_TB1-2 80199	20.94 -0.74 0.00	21.14 -0.51 0.00	20.38 -0.43 0.00	20.95 -0.42 0.00	21.52 -0.17 0.00	25.33 -0.07 0.00	28.02 -1.07 0.00	39.71 -2.25 0.00	70.23 -3.78 0.00	23.95 -1.48 0.00	19.07 -1.40 0.00	18.24 -1.29 0.00	17.43 -1.04 0.00	14.60 -0.94 0.00	13.62 -0.80 0.00	14.38 -0.69 0.00	13.14 -0.72 0.00	16.05 -1.03 0.00	21.07 -1.38 0.00	34.05 -2.15 0.00	21.86 -1.26 0.00	26.22 -1.68 0.00	19.69 -1.44 0.00	17.32 -0.93 0.00
ERIE_WT_PWR 323693	20.42 -1.25 0.00	20.63 -1.01 0.00	19.93 -0.88 0.00	20.50 -0.86 0.00	21.11 -0.59 0.00	24.81 -0.59 0.00	27.35 -1.74 0.00	38.72 -3.24 0.00	68.49 -5.52 0.00	23.37 -2.06 0.00	18.59 -1.88 0.00	17.77 -1.76 0.00	16.99 0.00 0.00	14.22 -1.32 0.00	13.27 -1.15 0.00	14.00 -1.07 0.00	12.80 -1.06 0.00	15.68 -1.41 0.00	20.54 -1.90 0.00	33.21 -3.00 0.00	21.32 -1.80 0.00	25.59 -2.32 0.00	19.17 -1.96 0.00	16.90 -1.35 0.00
ESPRGFLD_115KV_TB1 80157	22.45 0.77 0.00	22.38 0.74 0.00	21.54 0.73 0.00	22.11 0.74 0.00	22.53 0.83 0.00	26.50 1.10 0.00	30.23 1.14 0.00	43.57 1.60 0.00	76.59 2.58 0.00	26.29 0.85 0.00	21.08 0.61 0.00	20.04 0.52 0.00	18.94 0.47 0.00	15.85 0.31 0.00	14.71 0.29 0.00	15.40 0.34 0.00	14.19 0.33 0.00	17.58 0.50 0.00	23.13 0.68 0.00	37.46 1.26 0.00	23.92 0.80 0.00	28.74 0.83 0.00	21.74 0.61 0.00	18.79 0.54 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	21.98 0.30 0.00	21.98 0.33 0.00	21.14 0.33 0.00	21.58 0.22 0.00	22.01 0.31 0.00	25.88 0.48 0.00	29.65 0.55 0.00	42.77 0.80 0.00	75.32 1.32 0.00	25.61 0.18 0.00	20.39 -0.08 0.00	19.39 -0.14 0.00	18.31 -0.16 0.00	15.36 -0.18 0.00	14.28 -0.14 0.00	14.94 -0.13 0.00	13.78 -0.08 0.00	17.16 0.08 0.00	22.64 0.19 0.00	36.71 0.51 0.00	23.40 0.28 0.00	28.08 0.17 0.00	21.22 0.08 0.00	18.34 0.09 0.00
ETNA____115KV_TB2 80207	21.98 0.30 0.00	21.98 0.33 0.00	21.14 0.33 0.00	21.58 0.22 0.00	22.01 0.31 0.00	25.88 0.48 0.00	29.65 0.55 0.00	42.77 0.80 0.00	75.32 1.32 0.00	25.61 0.18 0.00	20.39 -0.08 0.00	19.39 -0.14 0.00	18.31 -0.16 0.00	15.36 -0.18 0.00	14.28 -0.14 0.00	14.94 -0.13 0.00	13.78 -0.08 0.00	17.16 0.08 0.00	22.64 0.19 0.00	36.71 0.51 0.00	23.40 0.28 0.00	28.08 0.17 0.00	21.22 0.08 0.00	18.34 0.09 0.00
EUCLID___115KV_TB2 356179	21.39 -0.29 0.00	21.41 -0.23 0.00	20.58 -0.23 0.00	21.07 -0.29 0.00	21.44 -0.25 0.00	25.11 -0.30 0.00	28.58 -0.51 0.00	41.16 -0.81 0.00	72.57 -1.43 0.00	24.84 -0.59 0.00	19.92 -0.55 0.00	19.02 -0.51 0.00	18.00 -0.47 0.00	15.13 -0.40 0.00	14.06 -0.36 0.00	14.71 -0.35 0.00	13.55 -0.31 0.00	16.73 -0.35 0.00	21.94 -0.50 0.00	35.43 -0.77 0.00	22.61 -0.51 0.00	27.21 -0.70 0.00	20.57 -0.56 0.00	17.82 -0.43 0.00
E_CANADA_CAP_HY 24051	22.57 0.89 0.00	22.55 0.90 0.00	21.68 0.88 0.00	22.29 0.93 0.00	22.72 1.03 0.00	26.65 1.25 0.00	30.40 1.31 0.00	43.82 1.86 0.00	77.02 3.02 0.00	26.48 1.05 0.00	21.27 0.80 0.00	20.24 0.71 0.00	19.14 0.68 0.00	15.98 0.44 0.00	14.81 0.38 0.00	15.50 0.43 0.00	14.27 0.41 0.00	17.68 0.60 0.00	23.27 0.82 0.00	37.75 1.54 0.00	24.11 0.99 0.00	28.98 1.08 0.00	21.92 0.79 0.00	18.94 0.69 0.00
E_CANADA_MHWK_HY 24050	21.53 -0.15 0.00	21.51 -0.14 0.00	20.64 -0.17 0.00	21.00 -0.36 0.00	21.23 -0.47 0.00	25.03 -0.37 0.00	29.77 0.22 -0.45	42.59 0.62 0.00	75.38 1.38 0.00	25.58 0.15 0.00	20.89 -0.01 -0.43	19.53 0.01 0.00	18.33 -0.14 0.00	15.30 -0.24 0.00	14.16 -0.27 0.00	14.75 -0.32 0.00	13.56 -0.30 0.00	16.86 -0.22 0.00	22.80 0.06 -0.29	36.56 0.35 0.00	23.26 0.14 0.00	27.98 0.07 0.00	21.10 -0.03 0.00	18.11 -0.14 0.00
E_FISHKILL___LBMP 23776	22.48 0.80 0.00	22.40 0.75 0.00	21.43 0.62 0.00	21.79 0.43 0.00	22.13 0.43 0.00	25.99 0.59 0.00	30.39 1.29 0.00	44.08 2.11 0.00	77.80 3.80 0.00	26.56 1.13 0.00	21.35 0.88 0.00	20.33 0.81 0.00	19.14 0.67 0.00	16.11 0.57 0.00	14.98 0.56 0.00	15.62 0.56 0.00	14.39 0.53 0.00	17.76 0.67 0.00	23.41 0.96 0.00	37.95 1.74 0.00	24.15 1.03 0.00	29.02 1.12 0.00	22.00 0.87 0.00	18.93 0.68 0.00
FALCON___SEABRD_CC1 323796	-21.14 -0.73 42.09	-21.13 -0.76 42.02	-21.17 -0.70 41.27	-21.19 -0.61 41.95	-21.20 -0.65 42.25	-21.15 -0.81 45.74	-17.63 -1.11 45.61	-1.80 -1.42 42.35	-20.78 -2.72 92.06	-21.09 -0.65 45.86	-21.01 -0.46 41.01	-21.14 -0.47 40.20	-21.15 -0.39 39.22	-21.14 -0.33 36.35	-21.16 -0.36 35.23	-21.23 -0.44 35.86	-21.26 -0.46 34.66	-21.22 -0.61 37.70	-21.17 -0.86 42.75	-21.25 -1.37 56.08	-21.17 -0.72 43.57	-21.15 -0.74 48.32	-21.19 -0.61 41.71	-21.19 -0.57 38.86
FALCON___SEABRD_CC2 323797	-21.14 -0.73 42.09	-21.13 -0.76 42.02	-21.17 -0.70 41.27	-21.19 -0.61 41.95	-21.20 -0.65 42.25	-21.15 -0.81 45.74	-17.63 -1.11 45.61	-1.80 -1.42 42.35	-20.78 -2.72 92.06	-21.09 -0.65 45.86	-21.01 -0.46 41.01	-21.14 -0.47 40.20	-21.15 -0.39 39.22	-21.14 -0.33 36.35	-21.16 -0.36 35.23	-21.23 -0.44 35.86	-21.26 -0.46 34.66	-21.22 -0.61 37.70	-21.17 -0.86 42.75	-21.25 -1.37 56.08	-21.17 -0.72 43.57	-21.15 -0.74 48.32	-21.19 -0.61 41.71	-21.19 -0.57 38.86



FAR ROCKAWAY___4 23548	23.18 1.51 0.00	23.04 1.39 0.00	22.02 1.21 0.00	22.36 1.00 0.00	22.66 0.96 0.00	26.63 1.23 0.00	31.27 2.18 0.00	44.86 2.90 0.00	79.78 5.78 0.00	27.35 1.92 0.00	22.06 1.59 0.00	20.83 1.31 0.00	45.32 1.09 -25.75	35.10 0.96 -18.60	2686.71 1.02 -2671.27	2682.80 1.07 -2666.67	14.92 1.07 0.00	18.38 1.30 0.00	24.20 1.75 0.00	39.27 3.06 0.00	24.99 1.87 0.00	29.96 2.05 0.00	22.73 1.60 0.00	19.55 1.30 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	22.70 1.02 0.00	22.59 0.94 0.00	21.58 0.77 0.00	21.91 0.55 0.00	22.27 0.57 0.00	26.21 0.81 0.00	30.73 1.63 0.00	44.63 2.66 0.00	78.66 4.65 0.00	26.97 1.54 0.00	21.68 1.21 0.00	20.66 1.14 0.00	19.45 0.99 0.00	16.35 0.81 0.00	15.21 0.78 0.00	15.86 0.79 0.00	14.63 0.77 0.00	18.02 0.94 0.00	23.70 1.25 0.00	38.48 2.28 0.00	24.47 1.35 0.00	29.34 1.44 0.00	22.28 1.15 0.00	19.16 0.91 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	22.72 1.04 0.00	22.60 0.96 0.00	21.59 0.78 0.00	21.93 0.56 0.00	22.28 0.59 0.00	26.22 0.82 0.00	30.74 1.65 0.00	44.66 2.69 0.00	78.71 4.71 0.00	26.98 1.55 0.00	21.69 1.22 0.00	20.67 1.14 0.00	19.46 0.99 0.00	16.36 0.82 0.00	15.21 0.78 0.00	15.87 0.80 0.00	14.63 0.77 0.00	18.03 0.95 0.00	23.71 1.27 0.00	38.51 2.31 0.00	24.49 1.38 0.00	29.37 1.46 0.00	22.30 1.17 0.00	19.18 0.93 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	22.69 1.01 0.00	22.58 0.93 0.00	21.57 0.76 0.00	21.90 0.54 0.00	22.26 0.56 0.00	26.20 0.79 0.00	30.71 1.62 0.00	44.60 2.63 0.00	78.62 4.62 0.00	26.95 1.52 0.00	21.67 1.20 0.00	20.65 1.12 0.00	19.44 0.97 0.00	16.35 0.80 0.00	15.20 0.77 0.00	15.85 0.78 0.00	14.62 0.76 0.00	18.01 0.93 0.00	23.69 1.24 0.00	38.47 2.26 0.00	24.46 1.34 0.00	29.33 1.43 0.00	22.27 1.14 0.00	19.15 0.90 0.00
FARRAGUT___LBMP 323566	22.67 0.99 0.00	22.57 0.92 0.00	21.55 0.74 0.00	21.89 0.53 0.00	22.24 0.55 0.00	26.18 0.78 0.00	30.69 1.60 0.00	44.57 2.61 0.00	78.56 4.56 0.00	26.93 1.50 0.00	21.65 1.18 0.00	20.63 1.11 0.00	19.42 0.96 0.00	16.33 0.79 0.00	15.18 0.76 0.00	15.84 0.77 0.00	14.61 0.75 0.00	18.00 0.92 0.00	23.67 1.22 0.00	38.44 2.23 0.00	24.45 1.33 0.00	29.31 1.41 0.00	22.26 1.13 0.00	19.14 0.89 0.00
FENNER___WINDPWR 24204	21.91 0.23 0.00	21.89 0.24 0.00	21.03 0.22 0.00	21.50 0.14 0.00	21.86 0.17 0.00	25.68 0.27 0.00	29.48 0.38 0.00	42.58 0.62 0.00	75.05 1.05 0.00	25.65 0.22 0.00	20.48 0.01 0.00	19.47 -0.05 0.00	18.39 -0.08 0.00	15.45 -0.09 0.00	14.34 -0.08 0.00	14.99 -0.08 0.00	13.81 -0.05 0.00	17.18 0.09 0.00	22.65 0.21 0.00	36.62 0.42 0.00	23.37 0.25 0.00	28.07 0.17 0.00	21.21 0.08 0.00	18.31 0.06 0.00
FIBERTEK___ENERGY 23856	21.65 -0.03 0.00	21.68 0.04 0.00	20.84 0.03 0.00	21.34 -0.02 0.00	21.73 0.03 0.00	25.46 0.05 0.00	29.04 -0.05 0.00	41.77 -0.19 0.00	73.62 -0.38 0.00	25.18 -0.25 0.00	20.17 -0.30 0.00	19.25 -0.28 0.00	18.22 -0.25 0.00	15.32 -0.22 0.00	14.24 -0.19 0.00	14.89 -0.18 0.00	13.72 -0.14 0.00	16.97 -0.11 0.00	22.27 -0.18 0.00	35.98 -0.23 0.00	22.95 -0.16 0.00	27.59 -0.31 0.00	20.87 -0.27 0.00	18.05 -0.20 0.00
FITZPATRICK___ 23598	21.19 -0.49 0.00	21.20 -0.45 0.00	20.39 -0.42 0.00	20.89 -0.47 0.00	21.25 -0.44 0.00	24.85 -0.55 0.00	28.31 -0.79 0.00	40.75 -1.21 0.00	71.85 -2.15 0.00	24.62 -0.81 0.00	19.78 -0.69 0.00	18.88 -0.65 0.00	17.88 -0.59 0.00	15.04 -0.50 0.00	13.97 -0.45 0.00	14.61 -0.46 0.00	13.44 -0.41 0.00	16.59 -0.50 0.00	21.75 -0.70 0.00	35.11 -1.09 0.00	22.42 -0.70 0.00	26.98 -0.93 0.00	20.40 -0.73 0.00	17.67 -0.58 0.00
FLOWRFLD_69_KV_BK1 356044	23.04 1.36 0.00	22.81 1.16 0.00	21.83 1.02 0.00	22.14 0.78 0.00	22.42 0.73 0.00	26.27 0.87 0.00	31.02 1.92 0.00	44.88 2.91 0.00	79.19 5.18 0.00	27.08 1.65 0.00	21.97 1.51 0.00	20.77 1.24 0.00	19.48 1.01 0.00	16.31 0.77 0.00	15.25 0.82 0.00	15.97 0.91 0.00	14.88 1.02 0.00	18.36 1.28 0.00	24.14 1.69 0.00	39.09 2.88 0.00	24.89 1.77 0.00	29.78 1.88 0.00	22.63 1.50 0.00	19.49 1.24 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	22.76 1.08 0.00	22.68 1.04 0.00	21.71 0.89 0.00	22.07 0.71 0.00	22.43 0.73 0.00	26.36 0.96 0.00	30.83 1.73 0.00	44.72 2.75 0.00	78.95 4.95 0.00	26.92 1.48 0.00	21.60 1.13 0.00	20.57 1.04 0.00	19.34 0.87 0.00	16.26 0.72 0.00	15.13 0.71 0.00	15.78 0.72 0.00	14.55 0.69 0.00	17.99 0.91 0.00	23.75 1.30 0.00	38.51 2.31 0.00	24.51 1.39 0.00	29.44 1.54 0.00	22.30 1.17 0.00	19.17 0.92 0.00
FORT ORANGE___ 23900	22.45 0.77 0.00	22.43 0.78 0.00	21.49 0.68 0.00	21.93 0.57 0.00	22.22 0.53 0.00	26.10 0.69 0.00	30.38 1.29 0.00	43.94 1.97 0.00	77.60 3.60 0.00	26.42 0.99 0.00	21.22 0.75 0.00	20.23 0.70 0.00	19.08 0.61 0.00	16.06 0.52 0.00	14.90 0.47 0.00	15.53 0.47 0.00	14.29 0.43 0.00	17.68 0.60 0.00	23.39 0.94 0.00	37.81 1.60 0.00	24.08 0.96 0.00	29.04 1.14 0.00	21.98 0.85 0.00	18.90 0.65 0.00
FORT_DRUM_COGEN 23780	22.66 -0.80 -1.78	22.65 -0.77 -1.78	21.66 -0.89 -1.75	22.04 -1.09 -1.77	22.23 -1.25 -1.79	25.92 -1.41 -1.93	27.33 -1.51 0.25	41.77 -1.99 -1.79	74.27 -3.62 -3.89	25.91 -1.45 -1.94	18.63 -1.52 0.32	19.53 -1.69 -1.70	18.41 -1.72 -1.66	15.63 -1.45 -1.54	14.53 -1.39 -1.49	15.14 -1.44 -1.51	14.01 -1.31 -1.47	17.29 -1.38 -1.59	21.47 -1.37 -0.40	36.78 -1.79 -2.37	23.81 -1.15 -1.84	28.42 -1.53 -2.04	21.60 -1.29 -1.76	18.71 -1.18 -1.64
FOX_HILLS___ESR 323835	22.77 1.09 0.00	22.67 1.03 0.00	21.67 0.86 0.00	22.00 0.64 0.00	22.36 0.66 0.00	26.32 0.91 0.00	30.81 1.72 0.00	44.56 2.60 0.00	78.60 4.60 0.00	27.04 1.60 0.00	21.73 1.27 0.00	20.68 1.16 0.00	19.47 1.01 0.00	16.37 0.83 0.00	15.22 0.79 0.00	15.87 0.80 0.00	14.64 0.78 0.00	18.07 0.99 0.00	23.82 1.37 0.00	38.62 2.41 0.00	24.56 1.44 0.00	29.45 1.55 0.00	22.36 1.23 0.00	19.22 0.97 0.00
FPL_FAR_ROCK_GT1 24212	23.18 1.51 0.00	23.04 1.39 0.00	22.02 1.21 0.00	22.37 1.00 0.00	22.65 0.96 0.00	26.63 1.22 0.00	31.27 2.18 0.00	44.87 2.90 0.00	79.78 5.78 0.00	27.35 1.92 0.00	22.06 1.59 0.00	20.83 1.31 0.00	45.32 1.09 -25.75	35.10 0.96 -18.60	2686.71 1.02 -2671.27	2682.80 1.07 -2666.67	14.92 1.07 0.00	18.38 1.30 0.00	24.20 1.75 0.00	39.27 3.06 0.00	24.99 1.87 0.00	29.96 2.05 0.00	22.73 1.60 0.00	19.55 1.30 0.00
FPL_FAR_ROCK_GT2 23815	23.18 1.51 0.00	23.04 1.39 0.00	22.02 1.21 0.00	22.37 1.00 0.00	22.65 0.96 0.00	26.63 1.22 0.00	31.27 2.18 0.00	44.87 2.90 0.00	79.78 5.78 0.00	27.35 1.92 0.00	22.06 1.59 0.00	20.83 1.31 0.00	45.32 1.09 -25.75	35.10 0.96 -18.60	2686.71 1.02 -2671.27	2682.80 1.07 -2666.67	14.92 1.07 0.00	18.38 1.30 0.00	24.20 1.75 0.00	39.27 3.06 0.00	24.99 1.87 0.00	29.96 2.05 0.00	22.73 1.60 0.00	19.55 1.30 0.00



FRANKLIN_FALL_HYD 24054	49.94 -0.60 -28.86	49.80 -0.65 -28.81	48.53 -0.58 -28.30	49.66 -0.46 -28.76	50.15 -0.51 -28.96	56.07 -0.69 -31.36	44.76 -1.00 -16.67	69.73 -1.27 -29.03	134.59 -2.52 -63.11	56.34 -0.53 -31.44	34.41 -0.42 -14.37	46.69 -0.39 -27.55	45.05 -0.31 -26.89	40.19 -0.28 -24.92	38.26 -0.31 -24.15	39.30 -0.35 -24.58	37.25 -0.37 -23.76	42.43 -0.49 -25.84	41.63 -0.68 -19.86	73.69 -0.96 -38.44	52.48 -0.51 -29.87	60.51 -0.52 -33.12	49.26 -0.47 -28.60	44.44 -0.44 -26.64
FREEPORT_EQUS_GT1 23764	23.03 1.35 0.00	22.87 1.22 0.00	21.86 1.05 0.00	22.19 0.82 0.00	22.47 0.77 0.00	26.42 1.02 0.00	31.05 1.96 0.00	44.97 3.00 0.00	79.20 5.19 0.00	27.14 1.71 0.00	21.94 1.48 0.00	20.81 1.29 0.00	19.52 1.05 0.00	16.38 0.84 0.00	15.27 0.85 0.00	15.96 0.90 0.00	14.81 0.95 0.00	18.25 1.17 0.00	24.02 1.57 0.00	38.95 2.74 0.00	24.81 1.69 0.00	29.71 1.81 0.00	22.56 1.43 0.00	19.43 1.18 0.00
FREEPORT___CT2 23818	23.03 1.35 0.00	22.87 1.22 0.00	21.86 1.05 0.00	22.19 0.82 0.00	22.47 0.77 0.00	26.42 1.02 0.00	31.05 1.96 0.00	44.97 3.00 0.00	79.20 5.19 0.00	27.14 1.71 0.00	21.94 1.48 0.00	20.81 1.29 0.00	19.52 1.05 0.00	16.38 0.84 0.00	15.27 0.85 0.00	15.96 0.90 0.00	14.81 0.95 0.00	18.25 1.17 0.00	24.02 1.57 0.00	38.95 2.74 0.00	24.81 1.69 0.00	29.71 1.81 0.00	22.56 1.43 0.00	19.43 1.18 0.00
FRESHKLS_33_KV_LOAD 356253	22.81 1.14 0.00	22.74 1.09 0.00	21.74 0.92 0.00	22.08 0.72 0.00	22.42 0.73 0.00	26.39 0.99 0.00	30.85 1.75 0.00	44.43 2.47 0.00	78.45 4.44 0.00	27.05 1.62 0.00	21.75 1.29 0.00	20.69 1.16 0.00	19.48 1.01 0.00	16.37 0.83 0.00	15.20 0.78 0.00	15.84 0.78 0.00	14.63 0.77 0.00	18.09 1.01 0.00	23.88 1.43 0.00	38.68 2.47 0.00	24.63 1.51 0.00	29.51 1.61 0.00	22.42 1.30 0.00	19.27 1.02 0.00
FULTON COGEN____ 23766	21.35 -0.33 0.00	21.36 -0.28 0.00	20.54 -0.28 0.00	21.02 -0.34 0.00	21.39 -0.30 0.00	25.05 -0.35 0.00	28.56 -0.53 0.00	41.12 -0.84 0.00	72.46 -1.54 0.00	24.78 -0.65 0.00	19.86 -0.60 0.00	18.96 -0.57 0.00	17.94 -0.53 0.00	15.09 -0.45 0.00	14.01 -0.41 0.00	14.66 -0.41 0.00	13.52 -0.34 0.00	16.72 -0.36 0.00	21.95 -0.50 0.00	35.44 -0.77 0.00	22.61 -0.50 0.00	27.20 -0.71 0.00	20.54 -0.59 0.00	17.79 -0.46 0.00
FULTON___LFGE 323630	23.68 2.00 0.00	23.66 2.02 0.00	22.73 1.92 0.00	23.26 1.90 0.00	23.68 1.99 0.00	27.92 2.51 0.00	32.29 3.19 0.00	46.62 4.65 0.00	81.92 7.91 0.00	28.01 2.58 0.00	22.22 1.75 0.00	21.27 1.75 0.00	20.10 1.63 0.00	16.44 0.90 0.00	15.11 0.69 0.00	15.80 0.73 0.00	14.60 0.75 0.00	18.37 1.29 0.00	24.60 2.15 0.00	40.25 4.05 0.00	25.65 2.53 0.00	30.73 2.83 0.00	23.15 2.02 0.00	19.93 1.68 0.00
G.F.CEMENT___DRP 24184	22.63 0.96 0.00	22.65 1.01 0.00	21.71 0.90 0.00	22.12 0.76 0.00	22.44 0.75 0.00	26.42 1.02 0.00	30.92 1.82 0.00	44.75 2.78 0.00	79.40 5.40 0.00	26.82 1.39 0.00	21.55 1.08 0.00	20.50 0.97 0.00	19.39 0.93 0.00	16.38 0.84 0.00	15.09 0.66 0.00	15.72 0.66 0.00	14.37 0.51 0.00	17.87 0.79 0.00	23.86 1.41 0.00	38.54 2.33 0.00	24.48 1.36 0.00	29.42 1.52 0.00	22.16 1.03 0.00	19.00 0.74 0.00
GARDENVILLE___LBMP 24039	20.38 -1.30 0.00	20.58 -1.06 0.00	19.87 -0.94 0.00	20.43 -0.93 0.00	21.01 -0.69 0.00	24.73 -0.68 0.00	27.27 -1.83 0.00	38.58 -3.39 0.00	68.17 -5.84 0.00	23.27 -2.16 0.00	18.53 -1.93 0.00	17.70 -1.83 0.00	16.92 -1.55 0.00	14.17 -1.37 0.00	13.23 -1.20 0.00	13.95 -1.11 0.00	12.76 -1.10 0.00	15.62 -1.47 0.00	20.46 -1.98 0.00	33.05 -3.15 0.00	21.23 -1.89 0.00	25.47 -2.44 0.00	19.09 -2.04 0.00	16.84 -1.42 0.00
GARDNVLA_35_KV_LD 355827	20.45 -1.23 0.00	20.67 -0.98 0.00	19.95 -0.86 0.00	20.53 -0.83 0.00	21.11 -0.59 0.00	24.85 -0.56 0.00	27.38 -1.72 0.00	38.76 -3.21 0.00	68.53 -5.47 0.00	23.40 -2.03 0.00	18.63 -1.83 0.00	17.80 -1.73 0.00	17.02 -1.45 0.00	14.25 -1.29 0.00	13.30 -1.13 0.00	14.03 -1.04 0.00	12.83 -1.03 0.00	15.71 -1.37 0.00	20.58 -1.87 0.00	33.24 -2.96 0.00	21.35 -1.77 0.00	25.61 -2.29 0.00	19.19 -1.94 0.00	16.91 -1.34 0.00
GELCKHM___115KV_LOAD 80723	21.48 -0.20 0.00	21.50 -0.14 0.00	20.67 -0.14 0.00	21.17 -0.19 0.00	21.55 -0.15 0.00	25.24 -0.17 0.00	28.75 -0.34 0.00	41.39 -0.58 0.00	72.97 -1.03 0.00	24.96 -0.47 0.00	20.02 -0.45 0.00	19.10 -0.42 0.00	18.09 -0.38 0.00	15.21 -0.33 0.00	14.13 -0.29 0.00	14.78 -0.29 0.00	13.61 -0.24 0.00	16.82 -0.26 0.00	22.07 -0.38 0.00	35.64 -0.56 0.00	22.75 -0.37 0.00	27.35 -0.55 0.00	20.68 -0.45 0.00	17.91 -0.34 0.00
GENERAL___MILLS 23808	20.44 -1.24 0.00	20.66 -0.99 0.00	19.94 -0.88 0.00	20.51 -0.85 0.00	21.08 -0.61 0.00	24.82 -0.58 0.00	27.36 -1.73 0.00	38.72 -3.25 0.00	68.42 -5.58 0.00	23.36 -2.07 0.00	18.60 -1.87 0.00	17.77 -1.76 0.00	16.99 -1.48 0.00	14.23 -1.31 0.00	13.28 -1.14 0.00	14.01 -1.06 0.00	12.81 -1.05 0.00	15.68 -1.41 0.00	20.55 -1.90 0.00	33.18 -3.02 0.00	21.31 -1.81 0.00	25.57 -2.33 0.00	19.16 -1.97 0.00	16.89 -1.36 0.00
GE_PLASTICS___DRP 24183	22.26 0.58 0.00	22.23 0.59 0.00	21.32 0.50 0.00	21.75 0.39 0.00	22.05 0.36 0.00	25.86 0.46 0.00	30.04 0.95 0.00	43.42 1.46 0.00	76.70 2.70 0.00	26.15 0.72 0.00	21.03 0.56 0.00	20.04 0.52 0.00	18.92 0.45 0.00	15.93 0.40 0.00	14.79 0.37 0.00	15.43 0.36 0.00	14.19 0.33 0.00	17.53 0.45 0.00	23.14 0.70 0.00	37.38 1.17 0.00	23.82 0.70 0.00	28.72 0.82 0.00	21.75 0.62 0.00	18.72 0.47 0.00
GILBOA___1 23756	22.12 0.44 0.00	22.08 0.44 0.00	21.17 0.36 0.00	21.59 0.23 0.00	21.92 0.22 0.00	25.72 0.32 0.00	29.82 0.73 0.00	43.10 1.13 0.00	76.13 2.13 0.00	25.96 0.53 0.00	20.88 0.42 0.00	19.91 0.38 0.00	18.79 0.32 0.00	15.81 0.27 0.00	14.69 0.27 0.00	15.33 0.26 0.00	14.10 0.24 0.00	17.41 0.33 0.00	22.96 0.52 0.00	37.13 0.92 0.00	23.62 0.51 0.00	28.49 0.58 0.00	21.58 0.45 0.00	18.59 0.34 0.00
GILBOA___2 23757	22.12 0.44 0.00	22.08 0.44 0.00	21.17 0.36 0.00	21.59 0.23 0.00	21.92 0.22 0.00	25.72 0.32 0.00	29.82 0.73 0.00	43.10 1.13 0.00	76.13 2.13 0.00	25.96 0.53 0.00	20.88 0.42 0.00	19.91 0.38 0.00	18.79 0.32 0.00	15.81 0.27 0.00	14.69 0.27 0.00	15.33 0.26 0.00	14.10 0.24 0.00	17.41 0.33 0.00	22.96 0.52 0.00	37.13 0.92 0.00	23.62 0.51 0.00	28.49 0.58 0.00	21.58 0.45 0.00	18.59 0.34 0.00
GILBOA___3 23758	22.12 0.44 0.00	22.08 0.44 0.00	21.17 0.36 0.00	21.59 0.23 0.00	21.92 0.22 0.00	25.72 0.32 0.00	29.82 0.73 0.00	43.10 1.13 0.00	76.13 2.13 0.00	25.96 0.53 0.00	20.88 0.42 0.00	19.91 0.38 0.00	18.79 0.32 0.00	15.81 0.27 0.00	14.69 0.27 0.00	15.33 0.26 0.00	14.10 0.24 0.00	17.41 0.33 0.00	22.96 0.52 0.00	37.13 0.92 0.00	23.62 0.51 0.00	28.49 0.58 0.00	21.58 0.45 0.00	18.59 0.34 0.00



GILBOA___4 23759	22.12 0.44 0.00	22.08 0.44 0.00	21.17 0.36 0.00	21.59 0.23 0.00	21.92 0.22 0.00	25.72 0.32 0.00	29.82 0.73 0.00	43.10 1.13 0.00	76.13 2.13 0.00	25.96 0.53 0.00	20.88 0.42 0.00	19.91 0.38 0.00	18.79 0.32 0.00	15.81 0.27 0.00	14.69 0.27 0.00	15.33 0.26 0.00	14.10 0.24 0.00	17.41 0.33 0.00	22.96 0.52 0.00	37.13 0.92 0.00	23.62 0.51 0.00	28.49 0.58 0.00	21.58 0.45 0.00	18.59 0.34 0.00
GILBOA____ 23599	22.12 0.44 0.00	22.08 0.44 0.00	21.17 0.36 0.00	21.59 0.23 0.00	21.92 0.22 0.00	25.72 0.32 0.00	29.82 0.73 0.00	43.09 1.13 0.00	76.13 2.13 0.00	25.96 0.53 0.00	20.88 0.42 0.00	19.91 0.38 0.00	18.79 0.32 0.00	15.81 0.27 0.00	14.69 0.27 0.00	15.33 0.26 0.00	14.10 0.24 0.00	17.41 0.33 0.00	22.96 0.52 0.00	37.13 0.92 0.00	23.62 0.51 0.00	28.49 0.58 0.00	21.58 0.45 0.00	18.59 0.34 0.00
GINNA____ 23603	20.07 -1.61 0.00	20.16 -1.49 0.00	19.44 -1.38 0.00	19.97 -1.40 0.00	20.44 -1.25 0.00	24.00 -1.40 0.00	27.05 -2.05 0.00	38.67 -3.30 0.00	68.03 -5.97 0.00	23.22 -2.21 0.00	18.52 -1.95 0.00	17.66 -1.86 0.00	16.78 -1.69 0.00	14.09 -1.44 0.00	13.12 -1.30 0.00	13.81 -1.26 0.00	12.69 -1.16 0.00	15.67 -1.41 0.00	20.56 -1.89 0.00	33.20 -3.00 0.00	21.22 -1.90 0.00	25.46 -2.44 0.00	19.13 -2.00 0.00	16.65 -1.60 0.00
GLEN PARK____ 23778	22.60 -0.77 -1.69	22.59 -0.74 -1.69	21.60 -0.86 -1.66	21.99 -1.06 -1.68	22.17 -1.21 -1.69	25.88 -1.36 -1.84	27.43 -1.43 0.24	41.81 -1.85 -1.70	74.32 -3.37 -3.69	25.84 -1.43 -1.84	18.61 -1.56 0.30	19.39 -1.75 -1.61	18.26 -1.79 -1.57	15.49 -1.51 -1.46	14.39 -1.45 -1.41	15.00 -1.50 -1.44	13.88 -1.37 -1.39	17.18 -1.41 -1.51	21.47 -1.35 -0.38	36.78 -1.68 -2.25	23.79 -1.07 -1.75	28.39 -1.45 -1.94	21.55 -1.25 -1.67	18.65 -1.16 -1.56
GLENDALE_27_KV_LOAD 356172	22.75 1.07 0.00	22.64 0.99 0.00	21.63 0.82 0.00	21.96 0.59 0.00	22.31 0.62 0.00	26.26 0.86 0.00	30.79 1.70 0.00	44.71 2.74 0.00	78.85 4.85 0.00	27.06 1.63 0.00	21.76 1.29 0.00	20.71 1.18 0.00	19.50 1.03 0.00	16.42 0.88 0.00	15.27 0.84 0.00	15.92 0.85 0.00	14.68 0.83 0.00	18.09 1.01 0.00	23.80 1.35 0.00	38.61 2.41 0.00	24.55 1.43 0.00	29.44 1.53 0.00	22.34 1.21 0.00	19.21 0.96 0.00
GLENWOOD_IC_1_G5 23712	23.09 1.41 0.00	22.93 1.29 0.00	21.92 1.11 0.00	22.26 0.89 0.00	22.57 0.87 0.00	26.51 1.11 0.00	31.19 2.09 0.00	45.19 3.22 0.00	79.61 5.61 0.00	27.27 1.84 0.00	22.03 1.57 0.00	20.92 1.39 0.00	19.63 1.17 0.00	16.48 0.94 0.00	15.36 0.94 0.00	16.05 0.98 0.00	14.87 1.02 0.00	18.33 1.24 0.00	24.13 1.68 0.00	39.12 2.91 0.00	24.89 1.77 0.00	29.83 1.93 0.00	22.63 1.50 0.00	19.47 1.22 0.00
GLENWOOD_IC_2_G1 23688	23.05 1.37 0.00	22.90 1.26 0.00	21.88 1.08 0.00	22.22 0.86 0.00	22.52 0.83 0.00	26.47 1.07 0.00	31.13 2.03 0.00	45.08 3.11 0.00	79.47 5.46 0.00	27.22 1.79 0.00	21.98 1.51 0.00	20.87 1.34 0.00	19.59 1.12 0.00	16.45 0.91 0.00	15.33 0.91 0.00	16.02 0.95 0.00	14.85 0.99 0.00	18.29 1.21 0.00	24.08 1.63 0.00	39.03 2.83 0.00	24.84 1.72 0.00	29.78 1.87 0.00	22.59 1.46 0.00	19.45 1.19 0.00
GLENWOOD_IC_3_G1 23689	23.05 1.37 0.00	22.90 1.26 0.00	21.88 1.08 0.00	22.22 0.86 0.00	22.52 0.83 0.00	26.47 1.07 0.00	31.13 2.03 0.00	45.08 3.11 0.00	79.47 5.46 0.00	27.22 1.79 0.00	21.98 1.51 0.00	20.87 1.34 0.00	19.59 1.12 0.00	16.45 0.91 0.00	15.33 0.91 0.00	16.02 0.95 0.00	14.85 0.99 0.00	18.29 1.21 0.00	24.08 1.63 0.00	39.03 2.83 0.00	24.84 1.72 0.00	29.78 1.87 0.00	22.59 1.46 0.00	19.45 1.19 0.00
GLENWOOD___4 23550	23.09 1.41 0.00	22.93 1.29 0.00	21.92 1.11 0.00	22.26 0.89 0.00	22.57 0.87 0.00	26.51 1.11 0.00	31.19 2.09 0.00	45.19 3.22 0.00	79.61 5.61 0.00	27.27 1.84 0.00	22.03 1.57 0.00	20.92 1.39 0.00	19.63 1.17 0.00	16.48 0.94 0.00	15.36 0.94 0.00	16.05 0.98 0.00	14.87 1.02 0.00	18.33 1.24 0.00	24.13 1.68 0.00	39.12 2.91 0.00	24.89 1.77 0.00	29.83 1.93 0.00	22.63 1.50 0.00	19.47 1.22 0.00
GLENWOOD___5 23614	23.09 1.41 0.00	22.93 1.29 0.00	21.92 1.11 0.00	22.26 0.89 0.00	22.57 0.87 0.00	26.51 1.11 0.00	31.19 2.09 0.00	45.19 3.22 0.00	79.61 5.61 0.00	27.27 1.84 0.00	22.03 1.57 0.00	20.92 1.39 0.00	19.63 1.17 0.00	16.48 0.94 0.00	15.36 0.94 0.00	16.05 0.98 0.00	14.87 1.02 0.00	18.33 1.24 0.00	24.13 1.68 0.00	39.12 2.91 0.00	24.89 1.77 0.00	29.83 1.93 0.00	22.63 1.50 0.00	19.47 1.22 0.00
GLOBAL GREEN_PORT_GT1 23814	23.11 1.43 0.00	22.82 1.18 0.00	21.86 1.05 0.00	22.20 0.84 0.00	22.49 0.80 0.00	26.32 0.92 0.00	31.74 2.64 0.00	45.86 3.89 0.00	80.95 6.95 0.00	27.59 2.16 0.00	22.28 1.81 0.00	21.11 1.58 0.00	19.76 1.29 0.00	16.54 1.00 0.00	15.52 1.10 0.00	16.27 1.21 0.00	15.19 1.34 0.00	18.80 1.72 0.00	24.70 2.26 0.00	39.97 3.77 0.00	25.45 2.33 0.00	30.41 2.50 0.00	23.09 1.96 0.00	19.87 1.62 0.00
GLOBE___DSASP 323697	19.73 -1.95 0.00	19.95 -1.69 0.00	19.31 -1.51 0.00	19.93 -1.43 0.00	20.49 -1.20 0.00	24.08 -1.32 0.00	26.28 -2.82 0.00	36.95 -5.02 0.00	64.89 -9.11 0.00	22.25 -3.18 0.00	17.73 -2.74 0.00	16.92 -2.61 0.00	16.21 -2.26 0.00	13.60 -1.94 0.00	12.68 -1.74 0.00	13.38 -1.69 0.00	12.24 -1.62 0.00	14.95 -2.13 0.00	19.54 -2.91 0.00	31.50 -4.71 0.00	20.22 -2.90 0.00	24.27 -3.63 0.00	18.20 -2.93 0.00	16.18 -2.07 0.00
GOETHSLN___LBMP 323567	22.57 0.89 0.00	22.46 0.81 0.00	21.45 0.64 0.00	21.78 0.42 0.00	22.13 0.44 0.00	26.06 0.65 0.00	30.54 1.45 0.00	44.36 2.39 0.00	78.12 4.12 0.00	26.77 1.34 0.00	21.52 1.05 0.00	20.51 0.98 0.00	19.31 0.84 0.00	16.23 0.69 0.00	15.09 0.67 0.00	15.75 0.68 0.00	14.52 0.66 0.00	17.90 0.82 0.00	23.53 1.08 0.00	38.21 2.01 0.00	24.31 1.19 0.00	29.14 1.24 0.00	22.14 1.02 0.00	19.04 0.79 0.00
GOLAH___69_KV_TB 1_2 80279	20.97 -0.70 0.00	21.11 -0.54 0.00	20.36 -0.45 0.00	20.94 -0.42 0.00	21.46 -0.23 0.00	25.24 -0.16 0.00	28.20 -0.89 0.00	40.22 -1.75 0.00	70.77 -3.23 0.00	24.12 -1.31 0.00	19.20 -1.26 0.00	18.30 -1.23 0.00	17.43 -1.04 0.00	14.63 -0.91 0.00	13.63 -0.79 0.00	14.37 -0.70 0.00	13.20 -0.65 0.00	16.23 -0.85 0.00	21.30 -1.15 0.00	34.46 -1.75 0.00	22.05 -1.07 0.00	26.47 -1.43 0.00	19.85 -1.28 0.00	17.36 -0.89 0.00
GOODYEAR_LAKE_HYD 323669	22.36 0.68 0.00	22.28 0.63 0.00	21.42 0.61 0.00	21.90 0.54 0.00	22.29 0.59 0.00	26.25 0.85 0.00	30.15 1.05 0.00	43.52 1.55 0.00	76.65 2.65 0.00	26.21 0.78 0.00	21.02 0.56 0.00	20.01 0.48 0.00	18.87 0.40 0.00	15.83 0.29 0.00	14.71 0.28 0.00	15.38 0.31 0.00	14.16 0.30 0.00	17.55 0.47 0.00	23.12 0.67 0.00	37.40 1.19 0.00	23.84 0.73 0.00	28.67 0.76 0.00	21.69 0.56 0.00	18.71 0.46 0.00



GOUDEY___1 345031	21.68 0.00 0.00	21.68 0.04 0.00	20.83 0.02 0.00	21.24 -0.12 0.00	21.65 -0.05 0.00	25.47 0.07 0.00	29.22 0.13 0.00	42.42 0.45 0.00	74.32 0.32 0.00	25.24 -0.19 0.00	20.20 -0.27 0.00	19.28 -0.25 0.00	18.23 -0.24 0.00	15.28 -0.26 0.00	14.23 -0.20 0.00	14.90 -0.17 0.00	13.69 -0.17 0.00	16.94 -0.15 0.00	22.30 -0.15 0.00	36.10 -0.11 0.00	23.00 -0.11 0.00	27.62 -0.28 0.00	20.93 -0.20 0.00	18.10 -0.15 0.00
GOUDEY___7 23579	21.70 0.02 0.00	21.71 0.06 0.00	20.84 0.03 0.00	21.26 -0.10 0.00	21.67 -0.03 0.00	25.49 0.09 0.00	29.25 0.15 0.00	42.46 0.50 0.00	74.40 0.39 0.00	25.27 -0.16 0.00	20.22 -0.25 0.00	19.30 -0.23 0.00	18.24 -0.22 0.00	15.29 -0.25 0.00	14.24 -0.18 0.00	14.91 -0.16 0.00	13.70 -0.16 0.00	16.95 -0.13 0.00	22.32 -0.12 0.00	36.13 -0.08 0.00	23.03 -0.09 0.00	27.65 -0.26 0.00	20.95 -0.18 0.00	18.12 -0.13 0.00
GOUDEY___8 23580	21.68 0.00 0.00	21.68 0.04 0.00	20.83 0.02 0.00	21.24 -0.12 0.00	21.65 -0.05 0.00	25.47 0.07 0.00	29.22 0.13 0.00	42.42 0.45 0.00	74.32 0.32 0.00	25.24 -0.19 0.00	20.20 -0.27 0.00	19.28 -0.25 0.00	18.23 -0.24 0.00	15.28 -0.26 0.00	14.23 -0.20 0.00	14.90 -0.17 0.00	13.69 -0.17 0.00	16.94 -0.15 0.00	22.30 -0.15 0.00	36.10 -0.11 0.00	23.00 -0.11 0.00	27.62 -0.28 0.00	20.93 -0.20 0.00	18.10 -0.15 0.00
GOWANUS_GT1_1 24077	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00
GOWANUS_GT1_2 24078	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00
GOWANUS_GT1_3 24079	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00
GOWANUS_GT1_4 24080	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00
GOWANUS_GT1_5 24084	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00
GOWANUS_GT1_6 24111	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00
GOWANUS_GT1_7 24112	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00
GOWANUS_GT1_8 24113	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00
GOWANUS_GT2_1 24114	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
GOWANUS_GT2_2 24115	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
GOWANUS_GT2_3 24116	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
GOWANUS_GT2_4 24117	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00



GOWANUS_GT2_5 24118	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
GOWANUS_GT2_6 24119	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
GOWANUS_GT2_7 24120	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
GOWANUS_GT2_8 24121	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
GOWANUS_GT3_1 24122	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
GOWANUS_GT3_2 24123	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
GOWANUS_GT3_3 24124	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
GOWANUS_GT3_4 24125	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
GOWANUS_GT3_5 24126	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
GOWANUS_GT3_6 24127	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
GOWANUS_GT3_7 24128	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
GOWANUS_GT3_8 24129	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
GOWANUS_GT4_1 24130	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00
GOWANUS_GT4_2 24131	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00
GOWANUS_GT4_3 24132	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00



GOWANUS_GT4_4 24133	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00
GOWANUS_GT4_5 24134	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00
GOWANUS_GT4_6 24135	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00
GOWANUS_GT4_7 24136	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00
GOWANUS_GT4_8 24137	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00
GREENBSH_115KV_TB3 55895	22.33 0.66 0.00	22.31 0.66 0.00	21.38 0.57 0.00	21.81 0.45 0.00	22.10 0.40 0.00	25.93 0.52 0.00	30.18 1.09 0.00	43.64 1.67 0.00	77.11 3.10 0.00	26.26 0.83 0.00	21.12 0.65 0.00	20.13 0.61 0.00	19.00 0.54 0.00	16.01 0.47 0.00	14.86 0.44 0.00	15.49 0.42 0.00	14.24 0.38 0.00	17.60 0.52 0.00	23.26 0.82 0.00	37.56 1.35 0.00	23.93 0.81 0.00	28.86 0.96 0.00	21.86 0.72 0.00	18.80 0.55 0.00
GREENDGE_115KV_TB5 80291	21.35 -0.33 0.00	21.53 -0.12 0.00	20.64 -0.17 0.00	21.10 -0.27 0.00	21.63 -0.07 0.00	25.42 0.01 0.00	29.04 -0.05 0.00	41.43 -0.53 0.00	73.15 -0.85 0.00	24.84 -0.59 0.00	19.72 -0.74 0.00	18.81 -0.72 0.00	17.79 -0.68 0.00	14.88 -0.65 0.00	13.87 -0.55 0.00	14.53 -0.53 0.00	13.43 -0.43 0.00	16.74 -0.34 0.00	22.07 -0.38 0.00	35.74 -0.46 0.00	22.83 -0.29 0.00	27.32 -0.58 0.00	20.66 -0.47 0.00	17.89 -0.36 0.00
GREENIDGE___3 23582	21.35 -0.33 0.00	21.53 -0.12 0.00	20.64 -0.17 0.00	21.10 -0.27 0.00	21.63 -0.07 0.00	25.42 0.01 0.00	29.04 -0.05 0.00	41.43 -0.53 0.00	73.15 -0.85 0.00	24.84 -0.59 0.00	19.72 -0.74 0.00	18.81 -0.72 0.00	17.79 -0.68 0.00	14.88 -0.65 0.00	13.87 -0.55 0.00	14.53 -0.53 0.00	13.43 -0.43 0.00	16.74 -0.34 0.00	22.07 -0.38 0.00	35.74 -0.46 0.00	22.83 -0.29 0.00	27.32 -0.58 0.00	20.66 -0.47 0.00	17.89 -0.36 0.00
GREENIDGE___4 23583	21.34 -0.33 0.00	21.52 -0.12 0.00	20.64 -0.17 0.00	21.09 -0.27 0.00	21.63 -0.07 0.00	25.41 0.01 0.00	29.04 -0.05 0.00	41.43 -0.54 0.00	73.15 -0.85 0.00	24.84 -0.59 0.00	19.72 -0.74 0.00	18.81 -0.72 0.00	17.79 -0.68 0.00	14.89 -0.65 0.00	13.87 -0.56 0.00	14.53 -0.54 0.00	13.43 -0.43 0.00	16.74 -0.34 0.00	22.06 -0.38 0.00	35.74 -0.46 0.00	22.83 -0.29 0.00	27.32 -0.58 0.00	20.66 -0.47 0.00	17.89 -0.36 0.00
GREENLWN_69_KV_BK 3 55738	22.88 1.20 0.00	22.70 1.06 0.00	21.70 0.89 0.00	22.03 0.67 0.00	22.30 0.60 0.00	26.13 0.73 0.00	30.75 1.66 0.00	44.53 2.57 0.00	78.53 4.53 0.00	26.88 1.45 0.00	21.76 1.30 0.00	20.65 1.13 0.00	19.39 0.93 0.00	16.26 0.71 0.00	15.16 0.74 0.00	15.87 0.80 0.00	14.74 0.88 0.00	18.16 1.08 0.00	23.86 1.41 0.00	38.65 2.44 0.00	24.61 1.49 0.00	29.49 1.58 0.00	22.40 1.27 0.00	19.32 1.07 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00
GRISSOM___SOLAR 323813	23.68 2.00 0.00	23.66 2.02 0.00	22.73 1.92 0.00	23.26 1.90 0.00	23.68 1.99 0.00	27.92 2.51 0.00	32.29 3.19 0.00	46.62 4.65 0.00	81.92 7.91 0.00	28.01 2.58 0.00	22.22 1.75 0.00	21.27 1.75 0.00	20.10 1.63 0.00	16.44 0.90 0.00	15.11 0.69 0.00	15.80 0.73 0.00	14.60 0.75 0.00	18.37 1.29 0.00	24.60 2.15 0.00	40.25 4.05 0.00	25.65 2.53 0.00	30.73 2.83 0.00	23.15 2.02 0.00	19.93 1.68 0.00
GROVEVILLE___HYD 323602	22.76 1.08 0.00	22.68 1.04 0.00	21.71 0.89 0.00	22.07 0.71 0.00	22.43 0.73 0.00	26.36 0.96 0.00	30.83 1.73 0.00	44.72 2.75 0.00	78.95 4.95 0.00	26.92 1.48 0.00	21.60 1.13 0.00	20.57 1.04 0.00	19.34 0.87 0.00	16.26 0.72 0.00	15.13 0.71 0.00	15.78 0.72 0.00	14.55 0.69 0.00	17.99 0.91 0.00	23.75 1.30 0.00	38.51 2.31 0.00	24.51 1.39 0.00	29.44 1.54 0.00	22.30 1.17 0.00	19.17 0.92 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	21.65 -0.03 0.00	21.68 0.04 0.00	20.84 0.03 0.00	21.34 -0.02 0.00	21.73 0.03 0.00	25.46 0.05 0.00	29.04 -0.05 0.00	41.77 -0.19 0.00	73.62 -0.38 0.00	25.18 -0.25 0.00	20.17 -0.30 0.00	19.25 -0.28 0.00	18.22 -0.25 0.00	15.32 -0.22 0.00	14.24 -0.19 0.00	14.89 -0.18 0.00	13.72 -0.14 0.00	16.97 -0.11 0.00	22.27 -0.18 0.00	35.98 -0.23 0.00	22.95 -0.16 0.00	27.59 -0.31 0.00	20.87 -0.27 0.00	18.05 -0.20 0.00
HAMLTNNY_34_KV_TB 80303	21.64 -0.04 0.00	21.67 0.02 0.00	20.84 0.02 0.00	21.33 -0.03 0.00	21.74 0.05 0.00	25.48 0.08 0.00	29.10 0.01 0.00	41.84 -0.12 0.00	73.72 -0.28 0.00	25.19 -0.24 0.00	20.19 -0.28 0.00	19.23 -0.29 0.00	18.21 -0.26 0.00	15.30 -0.24 0.00	14.23 -0.20 0.00	14.88 -0.19 0.00	13.72 -0.13 0.00	16.98 -0.11 0.00	22.28 -0.17 0.00	36.04 -0.16 0.00	22.98 -0.13 0.00	27.62 -0.29 0.00	20.87 -0.27 0.00	18.06 -0.19 0.00



HAMPSHIRE___PAPER_HYD 323593	25.23 -0.86 -4.41	25.16 -0.89 -4.40	24.21 -0.93 -4.33	24.79 -0.96 -4.40	25.05 -1.07 -4.43	28.87 -1.33 -4.80	26.56 -1.57 0.96	44.30 -2.11 -4.44	79.75 -3.90 -9.65	28.97 -1.27 -4.81	18.23 -1.13 1.11	22.56 -1.18 -4.21	21.43 -1.15 -4.11	18.37 -0.98 -3.81	17.15 -0.97 -3.69	17.82 -1.00 -3.76	16.55 -0.94 -3.63	19.96 -1.07 -3.95	21.97 -1.24 -0.77	40.26 -1.82 -5.88	26.59 -1.10 -4.57	31.65 -1.32 -5.06	24.42 -1.08 -4.37	21.35 -0.97 -4.07
HARDSCRABBLE_WT_PWR 323673	21.36 -0.32 0.00	21.36 -0.29 0.00	20.50 -0.31 0.00	20.92 -0.44 0.00	21.15 -0.54 0.00	24.90 -0.50 0.00	29.49 -0.06 -0.45	42.10 0.13 0.00	74.46 0.46 0.00	25.30 -0.13 0.00	20.68 -0.21 -0.43	19.33 -0.19 0.00	18.16 -0.31 0.00	15.19 -0.35 0.00	14.06 -0.36 0.00	14.67 -0.40 0.00	13.47 -0.38 0.00	16.73 -0.35 0.00	22.57 -0.17 -0.29	36.11 -0.09 0.00	22.99 -0.13 0.00	27.67 -0.23 0.00	20.89 -0.24 0.00	17.95 -0.30 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	22.68 1.00 0.00	22.60 0.96 0.00	21.62 0.81 0.00	21.99 0.62 0.00	22.35 0.65 0.00	26.27 0.87 0.00	30.70 1.61 0.00	44.52 2.55 0.00	78.53 4.53 0.00	26.80 1.38 0.00	21.48 1.01 0.00	20.47 0.95 0.00	19.26 0.79 0.00	16.19 0.65 0.00	15.06 0.64 0.00	15.72 0.65 0.00	14.50 0.64 0.00	17.91 0.83 0.00	23.62 1.17 0.00	38.30 2.10 0.00	24.38 1.26 0.00	29.29 1.39 0.00	22.19 1.06 0.00	19.07 0.82 0.00
HARSNRAD_115KV_TB1 81005	20.07 -1.61 0.00	20.28 -1.37 0.00	19.61 -1.20 0.00	20.22 -1.14 0.00	20.80 -0.90 0.00	24.46 -0.94 0.00	26.80 -2.29 0.00	37.84 -4.12 0.00	66.69 -7.31 0.00	22.81 -2.62 0.00	18.12 -2.34 0.00	17.29 -2.23 0.00	16.56 -1.91 0.00	13.89 -1.65 0.00	12.96 -1.46 0.00	13.69 -1.38 0.00	12.54 -1.32 0.00	15.33 -1.76 0.00	20.06 -2.38 0.00	32.42 -3.78 0.00	20.81 -2.31 0.00	24.98 -2.93 0.00	18.70 -2.44 0.00	16.52 -1.73 0.00
HARZA MOOSE___RIVER 24016	22.81 -0.11 -1.24	22.75 -0.13 -1.24	21.79 -0.23 -1.21	22.25 -0.35 -1.23	22.52 -0.42 -1.24	26.31 -0.44 -1.34	28.82 -0.35 -0.08	42.84 -0.37 -1.25	76.03 -0.68 -2.70	26.45 -0.33 -1.35	20.04 -0.44 -0.02	20.20 -0.51 -1.18	19.07 -0.55 -1.15	16.14 -0.47 -1.07	15.00 -0.46 -1.04	15.66 -0.47 -1.06	14.45 -0.43 -1.02	17.79 -0.40 -1.11	22.58 -0.30 -0.44	37.49 -0.37 -1.65	24.14 -0.26 -1.28	28.92 -0.41 -1.42	21.97 -0.39 -1.23	19.01 -0.38 -1.14
HDSNBRDG_115KV_BRDG_TB1 355580	21.49 -0.19 0.00	21.50 -0.14 0.00	20.67 -0.14 0.00	21.16 -0.20 0.00	21.54 -0.16 0.00	25.21 -0.19 0.00	28.72 -0.38 0.00	41.35 -0.62 0.00	72.90 -1.11 0.00	24.96 -0.47 0.00	20.01 -0.46 0.00	19.09 -0.43 0.00	18.08 -0.39 0.00	15.19 -0.35 0.00	14.12 -0.30 0.00	14.77 -0.29 0.00	13.60 -0.26 0.00	16.81 -0.28 0.00	22.03 -0.41 0.00	35.58 -0.62 0.00	22.70 -0.41 0.00	27.33 -0.58 0.00	20.67 -0.46 0.00	17.91 -0.34 0.00
HELLGATE_13_KV_LD 55870	22.64 0.97 0.00	22.54 0.89 0.00	21.54 0.73 0.00	21.86 0.50 0.00	22.21 0.52 0.00	26.14 0.73 0.00	30.65 1.56 0.00	44.48 2.52 0.00	78.47 4.47 0.00	26.92 1.49 0.00	21.64 1.18 0.00	20.60 1.08 0.00	19.40 0.93 0.00	16.34 0.80 0.00	15.19 0.76 0.00	15.84 0.78 0.00	14.60 0.75 0.00	17.99 0.91 0.00	23.67 1.22 0.00	38.40 2.19 0.00	24.42 1.30 0.00	29.29 1.38 0.00	22.23 1.10 0.00	19.12 0.87 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	22.64 0.97 0.00	22.54 0.89 0.00	21.54 0.73 0.00	21.86 0.50 0.00	22.21 0.52 0.00	26.14 0.73 0.00	30.65 1.56 0.00	44.48 2.52 0.00	78.47 4.47 0.00	26.92 1.49 0.00	21.64 1.18 0.00	20.60 1.08 0.00	19.40 0.93 0.00	16.34 0.80 0.00	15.19 0.76 0.00	15.84 0.78 0.00	14.60 0.75 0.00	17.99 0.91 0.00	23.67 1.22 0.00	38.40 2.19 0.00	24.42 1.30 0.00	29.29 1.38 0.00	22.23 1.10 0.00	19.12 0.87 0.00
HEMPSTEAD___ 23647	22.93 1.25 0.00	22.77 1.13 0.00	21.77 0.95 0.00	22.10 0.73 0.00	22.39 0.69 0.00	26.32 0.91 0.00	30.95 1.86 0.00	44.83 2.86 0.00	78.99 4.99 0.00	27.06 1.64 0.00	21.88 1.41 0.00	20.76 1.23 0.00	19.48 1.01 0.00	16.35 0.80 0.00	15.24 0.82 0.00	15.92 0.86 0.00	14.76 0.90 0.00	18.18 1.10 0.00	23.94 1.49 0.00	38.79 2.58 0.00	24.69 1.58 0.00	29.58 1.68 0.00	22.45 1.32 0.00	19.34 1.09 0.00
HEWLETT__69_KV_BK3 55828	23.08 1.41 0.00	22.94 1.29 0.00	21.93 1.12 0.00	22.26 0.90 0.00	22.56 0.87 0.00	26.50 1.10 0.00	31.13 2.04 0.00	44.82 2.86 0.00	79.37 5.37 0.00	27.21 1.78 0.00	21.95 1.48 0.00	20.79 1.27 0.00	19.52 1.05 0.00	16.41 0.87 0.00	15.30 0.88 0.00	16.00 0.93 0.00	14.86 1.00 0.00	18.30 1.22 0.00	24.08 1.64 0.00	39.06 2.85 0.00	24.86 1.74 0.00	29.81 1.91 0.00	22.63 1.49 0.00	19.46 1.21 0.00
HICKLING___1 23621	21.38 -0.30 0.00	21.53 -0.12 0.00	20.63 -0.18 0.00	21.02 -0.34 0.00	21.53 -0.16 0.00	25.36 -0.04 0.00	29.12 0.02 0.00	41.74 -0.22 0.00	73.87 -0.14 0.00	24.85 -0.58 0.00	19.85 -0.62 0.00	18.96 -0.57 0.00	17.94 -0.53 0.00	14.98 -0.56 0.00	13.98 -0.44 0.00	14.65 -0.42 0.00	13.47 -0.39 0.00	16.72 -0.36 0.00	22.04 -0.41 0.00	35.73 -0.48 0.00	22.74 -0.38 0.00	27.22 -0.69 0.00	20.65 -0.49 0.00	17.86 -0.38 0.00
HICKLING___2 23622	21.38 -0.30 0.00	21.53 -0.12 0.00	20.63 -0.18 0.00	21.02 -0.34 0.00	21.53 -0.16 0.00	25.36 -0.04 0.00	29.12 0.02 0.00	41.74 -0.22 0.00	73.87 -0.14 0.00	24.85 -0.58 0.00	19.85 -0.62 0.00	18.96 -0.57 0.00	17.94 -0.53 0.00	14.98 -0.56 0.00	13.98 -0.44 0.00	14.65 -0.42 0.00	13.47 -0.39 0.00	16.72 -0.36 0.00	22.04 -0.41 0.00	35.73 -0.48 0.00	22.74 -0.38 0.00	27.22 -0.69 0.00	20.65 -0.49 0.00	17.86 -0.38 0.00
HIGH FALLS___HY 23754	22.84 1.17 0.00	22.74 1.09 0.00	21.76 0.94 0.00	22.11 0.75 0.00	22.50 0.81 0.00	26.47 1.07 0.00	30.95 1.85 0.00	44.95 2.98 0.00	79.32 5.32 0.00	27.03 1.60 0.00	21.53 1.06 0.00	20.58 1.06 0.00	19.26 0.79 0.00	16.14 0.60 0.00	15.06 0.64 0.00	15.68 0.62 0.00	14.49 0.63 0.00	17.95 0.87 0.00	23.72 1.28 0.00	38.62 2.42 0.00	24.60 1.48 0.00	29.52 1.61 0.00	22.36 1.23 0.00	19.23 0.97 0.00
HILLBURN___GT 23639	22.68 1.00 0.00	22.61 0.96 0.00	21.62 0.81 0.00	21.96 0.60 0.00	22.31 0.62 0.00	26.25 0.84 0.00	30.70 1.60 0.00	44.51 2.55 0.00	78.52 4.52 0.00	26.80 1.37 0.00	21.47 1.01 0.00	20.50 0.97 0.00	19.29 0.82 0.00	16.21 0.67 0.00	15.08 0.66 0.00	15.74 0.67 0.00	14.51 0.65 0.00	17.91 0.83 0.00	23.60 1.15 0.00	38.27 2.06 0.00	24.36 1.24 0.00	29.26 1.36 0.00	22.18 1.05 0.00	19.07 0.82 0.00
HILLSIDE_115KV_TB1 80332	21.23 -0.45 0.00	21.33 -0.31 0.00	20.44 -0.37 0.00	20.82 -0.54 0.00	21.28 -0.41 0.00	25.07 -0.34 0.00	28.78 -0.31 0.00	41.26 -0.71 0.00	73.15 -0.85 0.00	24.69 -0.74 0.00	19.72 -0.74 0.00	18.87 -0.66 0.00	17.84 -0.63 0.00	14.90 -0.64 0.00	13.91 -0.51 0.00	14.58 -0.49 0.00	13.38 -0.48 0.00	16.59 -0.50 0.00	21.83 -0.61 0.00	35.40 -0.80 0.00	22.54 -0.57 0.00	26.98 -0.93 0.00	20.49 -0.64 0.00	17.72 -0.53 0.00



HISHELDN_WT_PWR 323625	19.86 -1.82 0.00	20.06 -1.59 0.00	19.36 -1.45 0.00	19.90 -1.46 0.00	20.50 -1.20 0.00	24.08 -1.32 0.00	26.52 -2.57 0.00	37.51 -4.45 0.00	66.42 -7.58 0.00	22.71 -2.72 0.00	18.08 -2.39 0.00	17.27 -2.26 0.00	16.51 -1.96 0.00	13.83 -1.71 0.00	12.91 -1.51 0.00	13.61 -1.45 0.00	12.45 -1.40 0.00	15.26 -1.82 0.00	20.01 -2.44 0.00	32.32 -3.88 0.00	20.79 -2.33 0.00	25.01 -2.89 0.00	18.73 -2.40 0.00	16.53 -1.72 0.00
HOLTSVILLE_IC_1 23690	22.96 1.28 0.00	22.73 1.08 0.00	21.77 0.95 0.00	22.08 0.72 0.00	22.34 0.64 0.00	26.17 0.77 0.00	30.90 1.80 0.00	44.68 2.71 0.00	78.85 4.85 0.00	26.97 1.54 0.00	21.83 1.36 0.00	20.69 1.16 0.00	19.41 0.95 0.00	16.27 0.73 0.00	15.21 0.79 0.00	15.94 0.88 0.00	14.84 0.99 0.00	18.30 1.22 0.00	24.03 1.58 0.00	38.88 2.67 0.00	24.77 1.65 0.00	29.64 1.74 0.00	22.56 1.42 0.00	19.43 1.18 0.00
HOLTSVILLE_IC_10 23699	23.05 1.38 0.00	22.81 1.17 0.00	21.85 1.04 0.00	22.17 0.81 0.00	22.43 0.73 0.00	26.27 0.87 0.00	31.04 1.95 0.00	44.88 2.92 0.00	79.23 5.23 0.00	27.08 1.66 0.00	21.92 1.45 0.00	20.76 1.23 0.00	19.48 1.01 0.00	16.31 0.77 0.00	15.26 0.84 0.00	16.00 0.94 0.00	14.91 1.05 0.00	18.40 1.31 0.00	24.16 1.71 0.00	39.11 2.90 0.00	24.91 1.79 0.00	29.80 1.89 0.00	22.67 1.54 0.00	19.51 1.26 0.00
HOLTSVILLE_IC_2 23691	22.96 1.28 0.00	22.73 1.08 0.00	21.77 0.95 0.00	22.08 0.72 0.00	22.34 0.64 0.00	26.17 0.77 0.00	30.90 1.80 0.00	44.68 2.71 0.00	78.85 4.85 0.00	26.97 1.54 0.00	21.83 1.36 0.00	20.69 1.16 0.00	19.41 0.95 0.00	16.27 0.73 0.00	15.21 0.79 0.00	15.94 0.88 0.00	14.84 0.99 0.00	18.30 1.22 0.00	24.03 1.58 0.00	38.88 2.67 0.00	24.77 1.65 0.00	29.64 1.74 0.00	22.56 1.42 0.00	19.43 1.18 0.00
HOLTSVILLE_IC_3 23692	22.96 1.28 0.00	22.73 1.08 0.00	21.77 0.95 0.00	22.08 0.72 0.00	22.34 0.64 0.00	26.17 0.77 0.00	30.90 1.80 0.00	44.68 2.71 0.00	78.85 4.85 0.00	26.97 1.54 0.00	21.83 1.36 0.00	20.69 1.16 0.00	19.41 0.95 0.00	16.27 0.73 0.00	15.21 0.79 0.00	15.94 0.88 0.00	14.84 0.99 0.00	18.30 1.22 0.00	24.03 1.58 0.00	38.88 2.67 0.00	24.77 1.65 0.00	29.64 1.74 0.00	22.56 1.42 0.00	19.43 1.18 0.00
HOLTSVILLE_IC_4 23693	22.96 1.28 0.00	22.73 1.08 0.00	21.77 0.95 0.00	22.08 0.72 0.00	22.34 0.64 0.00	26.17 0.77 0.00	30.90 1.80 0.00	44.68 2.71 0.00	78.85 4.85 0.00	26.97 1.54 0.00	21.83 1.36 0.00	20.69 1.16 0.00	19.41 0.95 0.00	16.27 0.73 0.00	15.21 0.79 0.00	15.94 0.88 0.00	14.84 0.99 0.00	18.30 1.22 0.00	24.03 1.58 0.00	38.88 2.67 0.00	24.77 1.65 0.00	29.64 1.74 0.00	22.56 1.42 0.00	19.43 1.18 0.00
HOLTSVILLE_IC_5 23694	22.96 1.28 0.00	22.73 1.08 0.00	21.77 0.95 0.00	22.08 0.72 0.00	22.34 0.64 0.00	26.17 0.77 0.00	30.90 1.80 0.00	44.68 2.71 0.00	78.85 4.85 0.00	26.97 1.54 0.00	21.83 1.36 0.00	20.69 1.16 0.00	19.41 0.95 0.00	16.27 0.73 0.00	15.21 0.79 0.00	15.94 0.88 0.00	14.84 0.99 0.00	18.30 1.22 0.00	24.03 1.58 0.00	38.88 2.67 0.00	24.77 1.65 0.00	29.64 1.74 0.00	22.56 1.42 0.00	19.43 1.18 0.00
HOLTSVILLE_IC_6 23695	23.05 1.38 0.00	22.81 1.17 0.00	21.85 1.04 0.00	22.17 0.81 0.00	22.43 0.73 0.00	26.27 0.87 0.00	31.04 1.95 0.00	44.88 2.92 0.00	79.23 5.23 0.00	27.08 1.66 0.00	21.92 1.45 0.00	20.76 1.23 0.00	19.48 1.01 0.00	16.31 0.77 0.00	15.26 0.84 0.00	16.00 0.94 0.00	14.91 1.05 0.00	18.40 1.31 0.00	24.16 1.71 0.00	39.11 2.90 0.00	24.91 1.79 0.00	29.80 1.89 0.00	22.67 1.54 0.00	19.51 1.26 0.00
HOLTSVILLE_IC_7 23696	23.05 1.38 0.00	22.81 1.17 0.00	21.85 1.04 0.00	22.17 0.81 0.00	22.43 0.73 0.00	26.27 0.87 0.00	31.04 1.95 0.00	44.88 2.92 0.00	79.23 5.23 0.00	27.08 1.66 0.00	21.92 1.45 0.00	20.76 1.23 0.00	19.48 1.01 0.00	16.31 0.77 0.00	15.26 0.84 0.00	16.00 0.94 0.00	14.91 1.05 0.00	18.40 1.31 0.00	24.16 1.71 0.00	39.11 2.90 0.00	24.91 1.79 0.00	29.80 1.89 0.00	22.67 1.54 0.00	19.51 1.26 0.00
HOLTSVILLE_IC_8 23697	23.05 1.38 0.00	22.81 1.17 0.00	21.85 1.04 0.00	22.17 0.81 0.00	22.43 0.73 0.00	26.27 0.87 0.00	31.04 1.95 0.00	44.88 2.92 0.00	79.23 5.23 0.00	27.08 1.66 0.00	21.92 1.45 0.00	20.76 1.23 0.00	19.48 1.01 0.00	16.31 0.77 0.00	15.26 0.84 0.00	16.00 0.94 0.00	14.91 1.05 0.00	18.40 1.31 0.00	24.16 1.71 0.00	39.11 2.90 0.00	24.91 1.79 0.00	29.80 1.89 0.00	22.67 1.54 0.00	19.51 1.26 0.00
HOLTSVILLE_IC_9 23698	23.05 1.38 0.00	22.81 1.17 0.00	21.85 1.04 0.00	22.17 0.81 0.00	22.43 0.73 0.00	26.27 0.87 0.00	31.04 1.95 0.00	44.88 2.92 0.00	79.23 5.23 0.00	27.08 1.66 0.00	21.92 1.45 0.00	20.76 1.23 0.00	19.48 1.01 0.00	16.31 0.77 0.00	15.26 0.84 0.00	16.00 0.94 0.00	14.91 1.05 0.00	18.40 1.31 0.00	24.16 1.71 0.00	39.11 2.90 0.00	24.91 1.79 0.00	29.80 1.89 0.00	22.67 1.54 0.00	19.51 1.26 0.00
HOMER_HL_115KV_TB2 355744	21.62 -0.06 0.00	21.79 0.15 0.00	20.88 0.07 0.00	21.28 -0.08 0.00	21.74 0.05 0.00	25.65 0.24 0.00	28.76 -0.34 0.00	41.01 -0.96 0.00	72.52 -1.48 0.00	24.58 -0.84 0.00	19.68 -0.79 0.00	18.83 -0.69 0.00	17.99 -0.48 0.00	15.04 -0.50 0.00	14.04 -0.38 0.00	14.75 -0.32 0.00	13.46 -0.40 0.00	16.36 -0.72 0.00	21.49 -0.96 0.00	34.84 -1.37 0.00	22.35 -0.76 0.00	26.94 -0.96 0.00	20.39 -0.74 0.00	17.92 -0.33 0.00
HOWARD_WT_PWR 323690	20.28 -1.40 0.00	21.00 -0.65 0.00	19.86 -0.95 0.00	20.23 -1.13 0.00	21.06 -0.63 0.00	24.35 -1.05 0.00	28.00 -1.10 0.00	40.25 -1.71 0.00	70.77 -3.23 0.00	23.64 -1.79 0.00	18.82 -1.65 0.00	17.95 -1.57 0.00	16.95 -1.52 0.00	14.12 -1.42 0.00	13.16 -1.26 0.00	13.81 -1.26 0.00	12.75 -1.11 0.00	15.90 -1.18 0.00	21.07 -1.38 0.00	34.40 -1.81 0.00	21.96 -1.16 0.00	26.46 -1.44 0.00	20.16 -0.97 0.00	17.49 -0.76 0.00
HQ_GEN_CEDARS 23644	23.42 -0.12 -1.86	23.34 -0.16 -1.86	22.52 -0.12 -1.83	23.24 0.02 -1.86	23.55 -0.01 -1.87	27.19 -0.24 -2.02	21.58 -0.55 6.96	43.09 -0.75 -1.87	76.51 -1.57 -4.07	27.19 -0.26 -2.03	13.64 -0.19 6.64	21.14 -0.16 -1.78	20.12 -0.08 -1.74	17.07 -0.08 -1.61	15.84 -0.14 -1.56	16.51 -0.14 -1.59	15.24 -0.15 -1.53	18.51 -0.24 -1.67	18.15 -0.37 3.92	38.08 -0.60 -2.48	24.81 -0.23 -1.93	29.89 -0.15 -2.14	22.84 -0.14 -1.85	19.87 -0.10 -1.72
HQ_GEN_CEDARS_PROXY 323590	23.42 -0.12 -1.86	23.34 -0.16 -1.86	22.52 -0.12 -1.83	23.24 0.02 -1.86	23.55 -0.01 -1.87	29.64 -0.24 -4.48	21.58 -0.55 6.96	44.45 -0.75 -3.24	76.50 -1.57 -4.07	27.19 -0.26 -2.03	13.64 -0.19 6.64	21.14 -0.16 -1.78	20.12 -0.09 -1.74	17.07 -0.08 -1.61	15.84 -0.14 -1.56	16.51 -0.14 -1.59	15.24 -0.15 -1.53	18.57 -0.24 -1.73	18.80 -0.37 3.27	38.08 -0.61 -2.48	24.81 -0.23 -1.93	29.89 -0.15 -2.14	22.84 -0.14 -1.85	19.87 -0.10 -1.72



HQ_GEN_IMPORT 323601	21.50 -0.18 0.00	21.44 -0.20 0.00	20.67 -0.14 0.00	21.36 0.00 0.00	21.69 -0.01 0.00	25.34 -0.06 0.00	27.75 -0.33 1.02	41.30 -0.51 0.15	73.02 -0.98 0.00	24.26 -0.12 1.05	19.47 -0.04 0.96	19.50 -0.02 0.00	18.49 0.02 0.00	15.56 0.02 0.00	14.42 0.00 0.00	15.08 0.01 0.00	13.86 0.00 0.00	17.63 -0.06 -0.60	21.65 -0.14 0.66	35.89 -0.32 0.00	22.98 -0.14 0.00	27.84 -0.06 0.00	21.10 -0.03 0.00	18.24 -0.01 0.00
HQ_GEN_WHEEL 23651	21.50 -0.18 0.00	21.44 -0.20 0.00	20.67 -0.14 0.00	21.36 0.00 0.00	21.69 -0.01 0.00	25.34 -0.06 0.00	27.75 -0.33 1.02	41.30 -0.51 0.15	73.02 -0.98 0.00	24.26 -0.12 1.05	19.47 -0.04 0.96	19.50 -0.02 0.00	18.49 0.02 0.00	15.56 0.02 0.00	14.42 0.00 0.00	15.08 0.01 0.00	13.86 0.00 0.00	17.63 -0.06 -0.60	21.65 -0.14 0.66	35.89 -0.32 0.00	22.98 -0.14 0.00	27.84 -0.06 0.00	21.10 -0.03 0.00	18.24 -0.01 0.00
HUDSON AVE_GT_3 23810	22.72 1.04 0.00	22.61 0.96 0.00	21.59 0.78 0.00	21.93 0.57 0.00	22.28 0.59 0.00	26.23 0.83 0.00	30.76 1.67 0.00	44.67 2.71 0.00	78.73 4.73 0.00	26.99 1.57 0.00	21.70 1.24 0.00	20.68 1.16 0.00	19.47 1.00 0.00	16.37 0.83 0.00	15.22 0.80 0.00	15.88 0.81 0.00	14.64 0.78 0.00	18.04 0.96 0.00	23.72 1.28 0.00	38.52 2.31 0.00	24.49 1.38 0.00	29.37 1.47 0.00	22.31 1.18 0.00	19.18 0.93 0.00
HUDSON AVE_GT_4 23540	22.72 1.04 0.00	22.61 0.96 0.00	21.59 0.78 0.00	21.93 0.57 0.00	22.28 0.59 0.00	26.23 0.83 0.00	30.76 1.67 0.00	44.67 2.71 0.00	78.73 4.73 0.00	26.99 1.57 0.00	21.70 1.24 0.00	20.68 1.16 0.00	19.47 1.00 0.00	16.37 0.83 0.00	15.22 0.80 0.00	15.88 0.81 0.00	14.64 0.78 0.00	18.04 0.96 0.00	23.72 1.28 0.00	38.52 2.31 0.00	24.49 1.38 0.00	29.37 1.47 0.00	22.31 1.18 0.00	19.18 0.93 0.00
HUDSON AVE_GT_5 23657	22.72 1.04 0.00	22.61 0.96 0.00	21.59 0.78 0.00	21.93 0.57 0.00	22.28 0.59 0.00	26.23 0.83 0.00	30.76 1.67 0.00	44.67 2.71 0.00	78.73 4.73 0.00	26.99 1.57 0.00	21.70 1.24 0.00	20.68 1.16 0.00	19.47 1.00 0.00	16.37 0.83 0.00	15.22 0.80 0.00	15.88 0.81 0.00	14.64 0.78 0.00	18.04 0.96 0.00	23.72 1.28 0.00	38.52 2.31 0.00	24.49 1.38 0.00	29.37 1.47 0.00	22.31 1.18 0.00	19.18 0.93 0.00
HUDSON_AVE_10 24168	22.67 0.99 0.00	22.56 0.92 0.00	21.55 0.74 0.00	21.88 0.52 0.00	22.24 0.54 0.00	26.18 0.78 0.00	30.68 1.59 0.00	44.57 2.61 0.00	78.59 4.59 0.00	26.95 1.52 0.00	21.66 1.20 0.00	20.65 1.13 0.00	19.44 0.97 0.00	16.34 0.80 0.00	15.19 0.77 0.00	15.85 0.78 0.00	14.62 0.76 0.00	18.01 0.93 0.00	23.67 1.22 0.00	38.44 2.24 0.00	24.45 1.33 0.00	29.33 1.43 0.00	22.27 1.14 0.00	19.15 0.90 0.00
HUDSON___115KV_TB 4 355613	22.75 1.08 0.00	22.73 1.08 0.00	21.80 0.99 0.00	22.27 0.91 0.00	22.57 0.88 0.00	26.53 1.12 0.00	30.87 1.77 0.00	44.67 2.71 0.00	78.87 4.86 0.00	26.81 1.39 0.00	21.51 1.04 0.00	20.48 0.95 0.00	19.28 0.81 0.00	16.19 0.65 0.00	15.01 0.59 0.00	15.67 0.60 0.00	14.44 0.58 0.00	17.90 0.82 0.00	23.74 1.29 0.00	38.45 2.24 0.00	24.48 1.36 0.00	29.50 1.59 0.00	22.30 1.16 0.00	19.16 0.91 0.00
HUNTER MOUNT___DRP 323613	22.89 1.21 0.00	22.88 1.23 0.00	21.95 1.14 0.00	22.45 1.09 0.00	22.75 1.05 0.00	26.74 1.34 0.00	31.09 2.00 0.00	44.97 3.00 0.00	79.43 5.43 0.00	26.95 1.52 0.00	21.60 1.13 0.00	20.55 1.03 0.00	19.37 0.90 0.00	16.28 0.74 0.00	15.07 0.65 0.00	15.76 0.70 0.00	14.53 0.67 0.00	18.02 0.94 0.00	23.91 1.46 0.00	38.71 2.50 0.00	24.65 1.53 0.00	29.70 1.80 0.00	22.43 1.30 0.00	19.26 1.01 0.00
HUNTINGTON_RES_REC 323705	22.93 1.25 0.00	22.73 1.08 0.00	21.74 0.93 0.00	22.07 0.71 0.00	22.33 0.63 0.00	26.17 0.77 0.00	30.85 1.76 0.00	44.66 2.69 0.00	78.77 4.76 0.00	26.95 1.52 0.00	21.84 1.37 0.00	20.68 1.15 0.00	19.40 0.93 0.00	16.25 0.71 0.00	15.16 0.74 0.00	15.89 0.82 0.00	14.78 0.92 0.00	18.24 1.15 0.00	23.97 1.53 0.00	38.84 2.64 0.00	24.73 1.61 0.00	29.61 1.70 0.00	22.51 1.37 0.00	19.39 1.14 0.00
HUNTLEY___63 23557	20.24 -1.43 0.00	20.47 -1.18 0.00	19.79 -1.02 0.00	20.40 -0.97 0.00	20.97 -0.72 0.00	24.67 -0.73 0.00	27.06 -2.03 0.00	38.22 -3.75 0.00	67.35 -6.65 0.00	23.06 -2.37 0.00	18.32 -2.14 0.00	17.50 -2.02 0.00	16.73 -1.74 0.00	14.04 -1.50 0.00	13.09 -1.33 0.00	13.81 -1.25 0.00	12.63 -1.23 0.00	15.46 -1.62 0.00	20.25 -2.20 0.00	32.69 -3.51 0.00	20.98 -2.14 0.00	25.18 -2.72 0.00	18.86 -2.27 0.00	16.67 -1.58 0.00
HUNTLEY___64 23558	20.24 -1.43 0.00	20.47 -1.18 0.00	19.79 -1.02 0.00	20.40 -0.97 0.00	20.97 -0.72 0.00	24.67 -0.73 0.00	27.06 -2.03 0.00	38.22 -3.75 0.00	67.35 -6.65 0.00	23.06 -2.37 0.00	18.32 -2.14 0.00	17.50 -2.02 0.00	16.73 -1.74 0.00	14.04 -1.50 0.00	13.09 -1.33 0.00	13.81 -1.25 0.00	12.63 -1.23 0.00	15.46 -1.62 0.00	20.25 -2.20 0.00	32.69 -3.51 0.00	20.98 -2.14 0.00	25.18 -2.72 0.00	18.86 -2.27 0.00	16.67 -1.58 0.00
HUNTLEY___65 23559	20.24 -1.43 0.00	20.47 -1.18 0.00	19.79 -1.02 0.00	20.40 -0.97 0.00	20.97 -0.72 0.00	24.67 -0.73 0.00	27.06 -2.03 0.00	38.22 -3.75 0.00	67.35 -6.65 0.00	23.06 -2.37 0.00	18.32 -2.14 0.00	17.50 -2.02 0.00	16.73 -1.74 0.00	14.04 -1.50 0.00	13.09 -1.33 0.00	13.81 -1.25 0.00	12.63 -1.23 0.00	15.46 -1.62 0.00	20.25 -2.20 0.00	32.69 -3.51 0.00	20.98 -2.14 0.00	25.18 -2.72 0.00	18.86 -2.27 0.00	16.67 -1.58 0.00
HUNTLEY___66 23560	20.24 -1.43 0.00	20.47 -1.18 0.00	19.79 -1.02 0.00	20.40 -0.97 0.00	20.97 -0.72 0.00	24.67 -0.73 0.00	27.06 -2.03 0.00	38.22 -3.75 0.00	67.35 -6.65 0.00	23.06 -2.37 0.00	18.32 -2.14 0.00	17.50 -2.02 0.00	16.73 -1.74 0.00	14.04 -1.50 0.00	13.09 -1.33 0.00	13.81 -1.25 0.00	12.63 -1.23 0.00	15.46 -1.62 0.00	20.25 -2.20 0.00	32.69 -3.51 0.00	20.98 -2.14 0.00	25.18 -2.72 0.00	18.86 -2.27 0.00	16.67 -1.58 0.00
HUNTLEY___67 23561	20.17 -1.51 0.00	20.39 -1.26 0.00	19.69 -1.12 0.00	20.28 -1.08 0.00	20.85 -0.84 0.00	24.53 -0.88 0.00	26.95 -2.14 0.00	38.10 -3.87 0.00	67.19 -6.81 0.00	22.99 -2.44 0.00	18.31 -2.16 0.00	17.47 -2.05 0.00	16.73 -1.74 0.00	14.02 -1.52 0.00	13.08 -1.34 0.00	13.80 -1.27 0.00	12.62 -1.24 0.00	15.44 -1.65 0.00	20.21 -2.24 0.00	32.62 -3.58 0.00	20.94 -2.18 0.00	25.13 -2.77 0.00	18.83 -2.30 0.00	16.62 -1.63 0.00
HUNTLEY___68 23562	20.17 -1.51 0.00	20.39 -1.26 0.00	19.69 -1.12 0.00	20.28 -1.08 0.00	20.85 -0.84 0.00	24.53 -0.88 0.00	26.95 -2.14 0.00	38.10 -3.87 0.00	67.19 -6.81 0.00	22.99 -2.44 0.00	18.31 -2.16 0.00	17.47 -2.05 0.00	16.73 -1.74 0.00	14.02 -1.52 0.00	13.08 -1.34 0.00	13.80 -1.27 0.00	12.62 -1.24 0.00	15.44 -1.65 0.00	20.21 -2.24 0.00	32.62 -3.58 0.00	20.94 -2.18 0.00	25.13 -2.77 0.00	18.83 -2.30 0.00	16.62 -1.63 0.00



HYLAND___LFGE 323620	21.68 0.00 0.00	21.94 0.30 0.00	21.07 0.26 0.00	21.55 0.19 0.00	22.21 0.51 0.00	26.10 0.69 0.00	29.73 0.64 0.00	42.75 0.78 0.00	74.74 0.74 0.00	24.46 -0.97 0.00	19.40 -1.07 0.00	18.51 -1.01 0.00	17.56 -0.91 0.00	14.68 -0.86 0.00	13.69 -0.73 0.00	14.43 -0.64 0.00	13.28 -0.57 0.00	16.53 -0.55 0.00	21.91 -0.54 0.00	36.26 0.05 0.00	23.20 0.08 0.00	27.82 -0.09 0.00	20.93 -0.20 0.00	18.16 -0.09 0.00
INDECK___CORINTH 23802	22.54 0.86 0.00	22.55 0.91 0.00	21.62 0.81 0.00	22.04 0.68 0.00	22.36 0.66 0.00	26.32 0.92 0.00	30.77 1.67 0.00	44.52 2.55 0.00	78.97 4.97 0.00	26.72 1.29 0.00	21.49 1.03 0.00	20.47 0.94 0.00	19.35 0.88 0.00	16.33 0.78 0.00	15.02 0.60 0.00	15.68 0.61 0.00	14.33 0.47 0.00	17.79 0.71 0.00	23.75 1.30 0.00	38.36 2.16 0.00	24.36 1.24 0.00	29.30 1.40 0.00	22.07 0.94 0.00	18.91 0.66 0.00
INDECK___ILION 23567	21.74 0.06 0.00	21.70 0.06 0.00	20.84 0.03 0.00	21.29 -0.07 0.00	21.57 -0.12 0.00	25.35 -0.05 0.00	29.84 0.28 -0.45	42.53 0.56 0.00	75.13 1.13 0.00	25.64 0.21 0.00	20.99 0.10 -0.43	19.63 0.10 0.00	18.49 0.02 0.00	15.51 -0.03 0.00	14.38 -0.05 0.00	14.99 -0.07 0.00	13.79 -0.07 0.00	17.08 0.00 0.00	22.91 0.17 -0.29	36.58 0.37 0.00	23.31 0.19 0.00	28.08 0.17 0.00	21.22 0.09 0.00	18.27 0.02 0.00
INDECK___OLEAN 23982	21.61 -0.07 0.00	21.77 0.13 0.00	20.89 0.07 0.00	21.28 -0.08 0.00	21.77 0.07 0.00	25.64 0.23 0.00	28.76 -0.33 0.00	41.01 -0.96 0.00	72.53 -1.47 0.00	24.59 -0.84 0.00	19.67 -0.80 0.00	18.84 -0.68 0.00	17.99 -0.48 0.00	15.04 -0.50 0.00	14.04 -0.38 0.00	14.74 -0.33 0.00	13.46 -0.40 0.00	16.36 -0.72 0.00	21.49 -0.96 0.00	34.84 -1.36 0.00	22.36 -0.76 0.00	26.94 -0.96 0.00	20.40 -0.73 0.00	17.92 -0.33 0.00
INDECK___OSWEGO 23783	21.26 -0.42 0.00	21.28 -0.37 0.00	20.44 -0.37 0.00	20.93 -0.44 0.00	21.29 -0.40 0.00	24.91 -0.49 0.00	28.16 -0.68 0.26	40.92 -1.05 0.00	72.15 -1.85 0.00	24.68 -0.75 0.00	19.56 -0.66 0.24	18.89 -0.63 0.00	17.87 -0.60 0.00	15.03 -0.51 0.00	13.95 -0.47 0.00	14.59 -0.47 0.00	13.44 -0.42 0.00	16.61 -0.47 0.00	21.66 -0.62 0.17	35.25 -0.95 0.00	22.50 -0.62 0.00	27.05 -0.85 0.00	20.44 -0.69 0.00	17.70 -0.55 0.00
INDECK___YERKES 23781	20.25 -1.43 0.00	20.46 -1.19 0.00	19.81 -1.00 0.00	20.42 -0.95 0.00	21.03 -0.66 0.00	24.69 -0.71 0.00	27.09 -2.00 0.00	38.27 -3.70 0.00	67.45 -6.55 0.00	23.09 -2.34 0.00	18.34 -2.13 0.00	17.53 -1.99 0.00	16.76 -1.71 0.00	14.06 -1.48 0.00	13.11 -1.31 0.00	13.83 -1.25 0.00	12.65 -1.21 0.00	15.48 -1.60 0.00	20.27 -2.18 0.00	32.75 -3.45 0.00	21.01 -2.11 0.00	25.21 -2.69 0.00	18.89 -2.24 0.00	16.69 -1.56 0.00
INDIAN POINT_GT_1 24139	22.63 0.95 0.00	22.54 0.89 0.00	21.56 0.74 0.00	21.91 0.54 0.00	22.26 0.56 0.00	26.16 0.76 0.00	30.62 1.53 0.00	44.41 2.44 0.00	78.32 4.32 0.00	26.76 1.33 0.00	21.50 1.04 0.00	20.48 0.95 0.00	19.27 0.80 0.00	16.20 0.66 0.00	15.07 0.65 0.00	15.73 0.66 0.00	14.50 0.64 0.00	17.89 0.81 0.00	23.57 1.12 0.00	38.23 2.02 0.00	24.34 1.22 0.00	29.22 1.32 0.00	22.16 1.03 0.00	19.06 0.81 0.00
INDIAN POINT_GT_2 23659	22.63 0.95 0.00	22.54 0.89 0.00	21.56 0.74 0.00	21.91 0.54 0.00	22.26 0.56 0.00	26.16 0.76 0.00	30.62 1.53 0.00	44.41 2.44 0.00	78.32 4.32 0.00	26.76 1.33 0.00	21.50 1.04 0.00	20.48 0.95 0.00	19.27 0.80 0.00	16.20 0.66 0.00	15.07 0.65 0.00	15.73 0.66 0.00	14.50 0.64 0.00	17.89 0.81 0.00	23.57 1.12 0.00	38.23 2.02 0.00	24.34 1.22 0.00	29.22 1.32 0.00	22.16 1.03 0.00	19.06 0.81 0.00
INDIAN POINT_GT_3 24019	22.63 0.95 0.00	22.54 0.89 0.00	21.56 0.74 0.00	21.91 0.54 0.00	22.26 0.56 0.00	26.16 0.76 0.00	30.62 1.53 0.00	44.41 2.44 0.00	78.32 4.32 0.00	26.76 1.33 0.00	21.50 1.04 0.00	20.48 0.95 0.00	19.27 0.80 0.00	16.20 0.66 0.00	15.07 0.65 0.00	15.73 0.66 0.00	14.50 0.64 0.00	17.89 0.81 0.00	23.57 1.12 0.00	38.23 2.02 0.00	24.34 1.22 0.00	29.22 1.32 0.00	22.16 1.03 0.00	19.06 0.81 0.00
INDIAN POINT___2 23530	22.62 0.94 0.00	22.54 0.89 0.00	21.54 0.73 0.00	21.90 0.54 0.00	22.24 0.54 0.00	26.16 0.75 0.00	30.60 1.50 0.00	44.37 2.41 0.00	78.25 4.25 0.00	26.73 1.30 0.00	21.48 1.01 0.00	20.46 0.93 0.00	19.25 0.78 0.00	16.18 0.64 0.00	15.06 0.63 0.00	15.71 0.64 0.00	14.49 0.63 0.00	17.87 0.79 0.00	23.54 1.09 0.00	38.17 1.97 0.00	24.30 1.18 0.00	29.18 1.28 0.00	22.13 1.00 0.00	19.03 0.78 0.00
INDIAN POINT___3 23531	22.61 0.94 0.00	22.53 0.89 0.00	21.54 0.73 0.00	21.89 0.53 0.00	22.24 0.54 0.00	26.15 0.74 0.00	30.60 1.50 0.00	44.37 2.40 0.00	78.25 4.25 0.00	26.73 1.30 0.00	21.48 1.02 0.00	20.46 0.93 0.00	19.25 0.78 0.00	16.19 0.65 0.00	15.06 0.64 0.00	15.71 0.64 0.00	14.49 0.63 0.00	17.87 0.79 0.00	23.54 1.10 0.00	38.18 1.97 0.00	24.30 1.19 0.00	29.18 1.28 0.00	22.13 1.01 0.00	19.03 0.78 0.00
INGHAM_C_115KV_TB7 356103	21.53 -0.15 0.00	21.51 -0.14 0.00	20.64 -0.17 0.00	21.01 -0.36 0.00	21.23 -0.46 0.00	25.03 -0.37 0.00	29.77 0.22 -0.45	42.59 0.62 0.00	75.38 1.38 0.00	25.58 0.15 0.00	20.89 -0.01 -0.43	19.53 0.01 0.00	18.33 -0.14 0.00	15.30 -0.24 0.00	14.16 -0.27 0.00	14.75 -0.32 0.00	13.56 -0.30 0.00	16.86 -0.22 0.00	22.80 0.06 -0.29	36.56 0.35 0.00	23.26 0.14 0.00	27.98 0.07 0.00	21.10 -0.03 0.00	18.11 -0.14 0.00
IP CORINTH___1 23988	22.54 0.86 0.00	22.55 0.91 0.00	21.62 0.81 0.00	22.04 0.68 0.00	22.36 0.66 0.00	26.32 0.91 0.00	30.77 1.67 0.00	44.52 2.55 0.00	78.97 4.97 0.00	26.72 1.29 0.00	21.50 1.03 0.00	20.47 0.94 0.00	19.35 0.88 0.00	16.33 0.79 0.00	15.02 0.60 0.00	15.68 0.61 0.00	14.32 0.47 0.00	17.79 0.71 0.00	23.75 1.30 0.00	38.36 2.16 0.00	24.36 1.24 0.00	29.30 1.40 0.00	22.07 0.94 0.00	18.91 0.66 0.00
IP___TICONDEROGA 23804	23.07 1.39 0.00	23.19 1.55 0.00	22.25 1.44 0.00	22.56 1.19 0.00	22.94 1.24 0.00	27.09 1.69 0.00	32.09 3.00 0.00	46.38 4.41 0.00	82.70 8.70 0.00	27.60 2.17 0.00	22.09 1.63 0.00	20.94 1.41 0.00	19.86 1.40 0.00	16.95 1.41 0.00	15.68 1.26 0.00	16.28 1.21 0.00	14.76 0.90 0.00	18.39 1.31 0.00	24.83 2.38 0.00	40.02 3.82 0.00	25.38 2.27 0.00	30.24 2.33 0.00	22.67 1.54 0.00	19.38 1.13 0.00
ISLIP_RES_REC 323679	23.15 1.47 0.00	22.91 1.27 0.00	21.94 1.13 0.00	22.27 0.91 0.00	22.53 0.84 0.00	26.41 1.00 0.00	31.20 2.11 0.00	45.13 3.17 0.00	79.66 5.66 0.00	27.22 1.78 0.00	22.02 1.56 0.00	20.85 1.33 0.00	19.57 1.10 0.00	16.38 0.84 0.00	15.33 0.90 0.00	16.07 1.00 0.00	14.98 1.12 0.00	18.49 1.41 0.00	24.30 1.86 0.00	39.34 3.13 0.00	25.05 1.94 0.00	29.96 2.05 0.00	22.78 1.65 0.00	19.60 1.35 0.00



JAMAICA__27_KV_LOAD 355505	22.84 1.16 0.00	22.74 1.09 0.00	21.73 0.92 0.00	22.06 0.70 0.00	22.41 0.72 0.00	26.41 1.01 0.00	30.91 1.82 0.00	44.93 2.96 0.00	79.30 5.30 0.00	27.19 1.76 0.00	21.86 1.40 0.00	20.87 1.34 0.00	19.61 1.14 0.00	16.47 0.93 0.00	15.33 0.91 0.00	15.99 0.93 0.00	14.74 0.88 0.00	18.15 1.07 0.00	23.84 1.39 0.00	38.73 2.52 0.00	24.67 1.55 0.00	29.60 1.69 0.00	22.47 1.34 0.00	19.31 1.06 0.00
JANIS__SOLAR 323808	22.45 0.78 0.00	22.35 0.71 0.00	21.63 0.82 0.00	21.97 0.60 0.00	22.45 0.76 0.00	26.54 1.14 0.00	30.32 1.23 0.00	43.87 1.90 0.00	77.14 3.14 0.00	26.11 0.68 0.00	20.54 0.07 0.00	19.40 -0.12 0.00	18.26 -0.21 0.00	15.30 -0.24 0.00	14.22 -0.21 0.00	14.87 -0.20 0.00	13.75 -0.11 0.00	17.32 0.24 0.00	23.06 0.62 0.00	37.57 1.36 0.00	23.94 0.82 0.00	28.67 0.77 0.00	21.62 0.48 0.00	18.70 0.45 0.00
JARVIS____ 23743	21.77 0.09 0.00	21.74 0.10 0.00	20.87 0.06 0.00	21.38 0.02 0.00	21.69 0.00 0.00	25.44 0.03 0.00	29.73 0.18 -0.45	42.27 0.31 0.00	74.59 0.58 0.00	25.55 0.12 0.00	20.98 0.08 -0.43	19.59 0.07 0.00	18.51 0.04 0.00	15.57 0.03 0.00	14.45 0.03 0.00	15.09 0.03 0.00	13.88 0.03 0.00	17.13 0.05 0.00	22.86 0.12 -0.29	36.42 0.22 0.00	23.23 0.11 0.00	28.01 0.11 0.00	21.20 0.07 0.00	18.30 0.04 0.00
JENNISON____1 23625	22.30 0.63 0.00	21.82 0.18 0.00	21.46 0.65 0.00	21.53 0.17 0.00	22.03 0.33 0.00	26.32 0.92 0.00	29.70 0.60 0.00	43.17 1.21 0.00	75.80 1.80 0.00	25.78 0.35 0.00	20.55 0.08 0.00	19.44 -0.08 0.00	18.27 -0.20 0.00	15.29 -0.25 0.00	14.19 -0.23 0.00	14.84 -0.22 0.00	13.68 -0.18 0.00	17.11 0.03 0.00	22.71 0.26 0.00	36.77 0.56 0.00	23.42 0.30 0.00	28.10 0.20 0.00	21.23 0.10 0.00	18.46 0.21 0.00
JENNISON____2 23626	22.30 0.63 0.00	21.82 0.18 0.00	21.46 0.65 0.00	21.53 0.17 0.00	22.03 0.33 0.00	26.32 0.92 0.00	29.70 0.60 0.00	43.17 1.21 0.00	75.80 1.80 0.00	25.78 0.35 0.00	20.55 0.08 0.00	19.44 -0.08 0.00	18.27 -0.20 0.00	15.29 -0.25 0.00	14.19 -0.23 0.00	14.84 -0.22 0.00	13.68 -0.18 0.00	17.11 0.03 0.00	22.71 0.26 0.00	36.77 0.56 0.00	23.42 0.30 0.00	28.10 0.20 0.00	21.23 0.10 0.00	18.46 0.21 0.00
JERICOH_RISE_WT_PWR 323719	-24.22 -0.99 44.91	-24.22 -1.04 44.83	-24.16 -0.93 44.04	-24.21 -0.81 44.76	-24.24 -0.86 45.07	-24.49 -1.09 48.80	-20.31 -1.50 47.91	-5.26 -2.03 45.19	-28.08 -3.85 98.22	-24.51 -1.00 48.93	-23.32 -0.74 43.05	-24.07 -0.71 42.89	-23.99 -0.61 41.85	-23.77 -0.51 38.79	-23.69 -0.52 37.59	-23.74 -0.55 38.26	-23.65 -0.53 36.98	-23.86 -0.72 40.22	-23.69 -1.01 45.13	-25.25 -1.61 59.84	-24.30 -0.93 46.49	-24.66 -1.01 51.55	-24.18 -0.80 44.51	-23.94 -0.73 41.46
KATONAH__115KV_46KV_TB4 355592	22.72 1.04 0.00	22.64 0.99 0.00	21.65 0.84 0.00	22.01 0.65 0.00	22.36 0.67 0.00	26.28 0.88 0.00	30.78 1.69 0.00	44.67 2.70 0.00	78.79 4.79 0.00	26.92 1.49 0.00	21.64 1.17 0.00	20.59 1.07 0.00	19.38 0.91 0.00	16.29 0.75 0.00	15.15 0.73 0.00	15.80 0.74 0.00	14.57 0.71 0.00	17.98 0.90 0.00	23.70 1.25 0.00	38.45 2.24 0.00	24.47 1.35 0.00	29.38 1.48 0.00	22.27 1.14 0.00	19.14 0.89 0.00
KCE_NY_1 323755	22.56 0.89 0.00	22.54 0.89 0.00	21.59 0.78 0.00	22.03 0.67 0.00	22.34 0.64 0.00	26.27 0.87 0.00	30.60 1.50 0.00	44.26 2.30 0.00	78.29 4.28 0.00	26.60 1.17 0.00	21.37 0.90 0.00	20.33 0.80 0.00	19.21 0.74 0.00	16.18 0.65 0.00	14.94 0.52 0.00	15.58 0.51 0.00	14.33 0.48 0.00	17.78 0.69 0.00	23.61 1.17 0.00	38.14 1.94 0.00	24.27 1.15 0.00	29.25 1.34 0.00	22.06 0.93 0.00	18.95 0.70 0.00
KCE_NY_6_ESR 323823	20.42 -1.25 0.00	20.63 -1.01 0.00	19.93 -0.88 0.00	20.50 -0.86 0.00	21.11 -0.59 0.00	24.81 -0.59 0.00	27.35 -1.74 0.00	38.72 -3.24 0.00	68.49 -5.52 0.00	23.37 -2.06 0.00	18.59 -1.88 0.00	17.77 -1.76 0.00	16.99 -1.48 0.00	14.22 -1.32 0.00	13.27 -1.15 0.00	14.00 -1.07 0.00	12.80 -1.06 0.00	15.68 -1.41 0.00	20.54 -1.90 0.00	33.21 -3.00 0.00	21.32 -1.80 0.00	25.59 -2.32 0.00	19.17 -1.96 0.00	16.90 -1.35 0.00
KEDC_PORT_JEFF_GT2 24210	23.03 1.35 0.00	22.79 1.15 0.00	21.83 1.02 0.00	22.15 0.78 0.00	22.40 0.71 0.00	26.25 0.84 0.00	31.00 1.90 0.00	44.85 2.88 0.00	79.14 5.14 0.00	27.06 1.63 0.00	21.89 1.42 0.00	20.74 1.21 0.00	19.47 1.00 0.00	16.30 0.76 0.00	15.25 0.82 0.00	15.99 0.92 0.00	14.89 1.04 0.00	18.37 1.29 0.00	24.14 1.69 0.00	39.07 2.86 0.00	24.88 1.77 0.00	29.77 1.86 0.00	22.64 1.51 0.00	19.49 1.24 0.00
KEDC_PORT_JEFF_GT3 24211	23.03 1.35 0.00	22.79 1.15 0.00	21.83 1.02 0.00	22.15 0.78 0.00	22.40 0.71 0.00	26.25 0.84 0.00	31.00 1.90 0.00	44.85 2.88 0.00	79.14 5.14 0.00	27.06 1.63 0.00	21.89 1.42 0.00	20.74 1.21 0.00	19.47 1.00 0.00	16.30 0.76 0.00	15.25 0.82 0.00	15.99 0.92 0.00	14.89 1.04 0.00	18.37 1.29 0.00	24.14 1.69 0.00	39.07 2.86 0.00	24.88 1.77 0.00	29.77 1.86 0.00	22.64 1.51 0.00	19.49 1.24 0.00
KEDC_GLWD_GT4 24219	23.09 1.41 0.00	22.93 1.29 0.00	21.92 1.11 0.00	22.26 0.90 0.00	22.56 0.87 0.00	26.52 1.11 0.00	31.18 2.09 0.00	45.19 3.22 0.00	79.61 5.61 0.00	27.27 1.84 0.00	22.03 1.57 0.00	20.92 1.39 0.00	19.63 1.16 0.00	16.48 0.94 0.00	15.36 0.94 0.00	16.05 0.99 0.00	14.88 1.02 0.00	18.33 1.24 0.00	24.13 1.68 0.00	39.11 2.90 0.00	24.89 1.77 0.00	29.83 1.93 0.00	22.63 1.49 0.00	19.47 1.22 0.00
KEDC_GLWD_GT5 24220	23.09 1.41 0.00	22.93 1.29 0.00	21.92 1.11 0.00	22.26 0.90 0.00	22.56 0.87 0.00	26.52 1.11 0.00	31.18 2.09 0.00	45.19 3.22 0.00	79.61 5.61 0.00	27.27 1.84 0.00	22.03 1.57 0.00	20.92 1.39 0.00	19.63 1.16 0.00	16.48 0.94 0.00	15.36 0.94 0.00	16.05 0.99 0.00	14.88 1.02 0.00	18.33 1.24 0.00	24.13 1.68 0.00	39.11 2.90 0.00	24.89 1.77 0.00	29.83 1.93 0.00	22.63 1.49 0.00	19.47 1.22 0.00
KENSICO____ 23655	22.66 0.98 0.00	22.56 0.92 0.00	21.57 0.76 0.00	21.92 0.56 0.00	22.26 0.57 0.00	26.18 0.78 0.00	30.65 1.56 0.00	44.47 2.50 0.00	78.43 4.43 0.00	26.81 1.38 0.00	21.55 1.09 0.00	20.53 1.00 0.00	19.32 0.85 0.00	16.24 0.70 0.00	15.11 0.69 0.00	15.76 0.70 0.00	14.53 0.67 0.00	17.92 0.84 0.00	23.61 1.16 0.00	38.30 2.09 0.00	24.37 1.25 0.00	29.26 1.35 0.00	22.19 1.06 0.00	19.08 0.83 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	22.90 1.22 0.00	22.80 1.16 0.00	21.83 1.02 0.00	22.19 0.83 0.00	22.57 0.88 0.00	26.56 1.15 0.00	31.04 1.94 0.00	45.06 3.09 0.00	79.53 5.53 0.00	27.10 1.67 0.00	21.61 1.14 0.00	20.65 1.12 0.00	19.31 0.84 0.00	16.18 0.65 0.00	15.08 0.66 0.00	15.72 0.66 0.00	14.52 0.66 0.00	17.99 0.91 0.00	23.80 1.35 0.00	38.74 2.53 0.00	24.66 1.55 0.00	29.62 1.72 0.00	22.43 1.30 0.00	19.28 1.02 0.00



KIAC_JFK_GT1 23816	22.77 1.09 0.00	22.67 1.02 0.00	21.65 0.84 0.00	21.99 0.62 0.00	22.33 0.64 0.00	26.31 0.91 0.00	30.80 1.70 0.00	44.77 2.80 0.00	78.97 4.97 0.00	27.09 1.65 0.00	21.79 1.33 0.00	20.80 1.28 0.00	19.55 1.09 0.00	16.43 0.89 0.00	15.28 0.86 0.00	15.94 0.88 0.00	14.69 0.83 0.00	18.10 1.01 0.00	23.75 1.31 0.00	38.60 2.40 0.00	24.58 1.46 0.00	29.49 1.59 0.00	22.39 1.26 0.00	19.25 1.00 0.00
KIAC_JFK_GT2 23817	22.77 1.09 0.00	22.67 1.02 0.00	21.65 0.84 0.00	21.99 0.62 0.00	22.33 0.64 0.00	26.31 0.91 0.00	30.80 1.70 0.00	44.77 2.80 0.00	78.97 4.97 0.00	27.09 1.65 0.00	21.79 1.33 0.00	20.80 1.28 0.00	19.55 1.09 0.00	16.43 0.89 0.00	15.28 0.86 0.00	15.94 0.88 0.00	14.69 0.83 0.00	18.10 1.01 0.00	23.75 1.31 0.00	38.60 2.40 0.00	24.58 1.46 0.00	29.49 1.59 0.00	22.39 1.26 0.00	19.25 1.00 0.00
KIAC_JFK____ 323774	22.77 1.09 0.00	22.67 1.03 0.00	21.65 0.85 0.00	21.99 0.63 0.00	22.33 0.63 0.00	26.31 0.90 0.00	30.80 1.71 0.00	44.77 2.80 0.00	78.97 4.97 0.00	27.09 1.65 0.00	21.79 1.32 0.00	20.80 1.28 0.00	19.55 1.09 0.00	16.42 0.89 0.00	15.28 0.86 0.00	15.95 0.88 0.00	14.70 0.84 0.00	18.10 1.02 0.00	23.75 1.31 0.00	38.60 2.40 0.00	24.58 1.47 0.00	29.49 1.59 0.00	22.39 1.26 0.00	19.25 1.00 0.00
KINTIGH____ 23543	20.23 -1.45 0.00	20.42 -1.23 0.00	19.71 -1.10 0.00	20.28 -1.08 0.00	20.81 -0.88 0.00	24.45 -0.95 0.00	27.06 -2.04 0.00	38.39 -3.58 0.00	67.62 -6.38 0.00	23.14 -2.29 0.00	18.45 -2.02 0.00	17.61 -1.91 0.00	16.83 -1.64 0.00	14.11 -1.43 0.00	13.16 -1.26 0.00	13.86 -1.21 0.00	12.69 -1.16 0.00	15.55 -1.53 0.00	20.36 -2.09 0.00	32.85 -3.35 0.00	21.05 -2.06 0.00	25.30 -2.60 0.00	18.98 -2.15 0.00	16.69 -1.56 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	-21.49 -0.64 42.53	-21.48 -0.67 42.45	-21.51 -0.62 41.70	-21.54 -0.52 42.38	-21.55 -0.56 42.68	-21.51 -0.70 46.21	-17.85 -0.97 45.97	-2.00 -1.17 42.80	-21.32 -2.31 93.02	-21.41 -0.50 46.34	-21.21 -0.35 41.33	-21.44 -0.35 40.61	-21.44 -0.28 39.63	-21.44 -0.24 36.73	-21.45 -0.28 35.60	-21.52 -0.36 36.23	-21.53 -0.37 35.02	-21.49 -0.48 38.09	-21.37 -0.69 43.12	-21.49 -1.03 56.66	-21.46 -0.56 44.02	-21.49 -0.57 48.82	-21.51 -0.49 42.15	-21.50 -0.49 39.26
LACHUTE____HYDRO 323717	23.07 1.39 0.00	23.19 1.55 0.00	22.25 1.44 0.00	22.56 1.20 0.00	22.93 1.24 0.00	27.09 1.69 0.00	32.10 3.00 0.00	46.38 4.41 0.00	82.70 8.70 0.00	27.60 2.17 0.00	22.09 1.63 0.00	20.94 1.41 0.00	19.87 1.40 0.00	16.95 1.41 0.00	15.68 1.26 0.00	16.28 1.21 0.00	14.76 0.90 0.00	18.39 1.31 0.00	24.83 2.38 0.00	40.02 3.82 0.00	25.39 2.27 0.00	30.24 2.33 0.00	22.67 1.54 0.00	19.38 1.13 0.00
LAWRNCV_115KV_TB1 80681	26.54 -0.51 -5.38	26.45 -0.56 -5.37	25.56 -0.52 -5.27	26.31 -0.41 -5.36	26.63 -0.45 -5.40	30.52 -0.73 -5.84	25.13 -1.08 2.88	45.92 -1.46 -5.41	82.94 -2.81 -11.76	30.58 -0.70 -5.86	16.93 -0.57 2.96	24.10 -0.56 -5.13	23.00 -0.48 -5.01	19.77 -0.42 -4.64	18.46 -0.46 -4.50	19.17 -0.48 -4.58	17.82 -0.46 -4.43	21.31 -0.59 -4.81	21.48 -0.79 0.17	42.16 -1.20 -7.16	28.06 -0.62 -5.57	33.44 -0.64 -6.17	25.93 -0.53 -5.33	22.76 -0.46 -4.96
LEDERLE____ 23769	22.75 1.07 0.00	22.67 1.02 0.00	21.68 0.87 0.00	22.03 0.67 0.00	22.38 0.69 0.00	26.33 0.92 0.00	30.79 1.70 0.00	44.66 2.69 0.00	78.76 4.76 0.00	26.89 1.46 0.00	21.58 1.12 0.00	20.56 1.04 0.00	19.35 0.88 0.00	16.27 0.73 0.00	15.14 0.71 0.00	15.79 0.73 0.00	14.56 0.71 0.00	17.98 0.89 0.00	23.69 1.24 0.00	38.41 2.20 0.00	24.45 1.33 0.00	29.37 1.46 0.00	22.26 1.13 0.00	19.13 0.88 0.00
LIGHTHSE_115KV_TB6 355974	21.13 -0.55 0.00	21.14 -0.51 0.00	20.27 -0.54 0.00	20.71 -0.65 0.00	21.02 -0.68 0.00	24.63 -0.78 0.00	27.47 -0.95 0.67	40.61 -1.35 0.00	71.65 -2.35 0.00	24.47 -0.96 0.00	18.92 -0.91 0.64	18.57 -0.96 0.00	17.46 -1.01 0.00	14.68 -0.85 0.00	13.63 -0.80 0.00	14.25 -0.82 0.00	13.13 -0.73 0.00	16.31 -0.78 0.00	21.11 -0.90 0.44	34.93 -1.27 0.00	22.30 -0.82 0.00	26.80 -1.11 0.00	20.21 -0.92 0.00	17.47 -0.78 0.00
LINDEN COGEN____ 23786	22.55 0.88 0.00	22.45 0.80 0.00	21.44 0.63 0.00	21.77 0.41 0.00	22.11 0.42 0.00	26.04 0.64 0.00	30.53 1.44 0.00	44.34 2.38 0.00	78.10 4.09 0.00	26.76 1.33 0.00	21.50 1.04 0.00	20.50 0.98 0.00	19.30 0.83 0.00	16.23 0.69 0.00	15.09 0.67 0.00	15.74 0.67 0.00	14.52 0.66 0.00	17.89 0.81 0.00	23.52 1.08 0.00	38.19 1.99 0.00	24.29 1.17 0.00	29.14 1.23 0.00	22.13 1.00 0.00	19.03 0.78 0.00
LINDHRST_69_KV_BK1 356055	23.15 1.47 0.00	22.95 1.30 0.00	21.96 1.14 0.00	22.27 0.91 0.00	22.56 0.87 0.00	26.49 1.08 0.00	31.21 2.12 0.00	45.18 3.21 0.00	79.61 5.60 0.00	27.27 1.84 0.00	22.07 1.61 0.00	20.90 1.37 0.00	19.60 1.13 0.00	16.42 0.88 0.00	15.32 0.89 0.00	16.03 0.96 0.00	14.89 1.04 0.00	18.36 1.28 0.00	24.16 1.71 0.00	39.20 3.00 0.00	24.98 1.86 0.00	29.89 1.98 0.00	22.70 1.56 0.00	19.54 1.29 0.00
LIPA_MISC_IPP 23656	22.91 1.23 0.00	22.64 0.99 0.00	21.69 0.88 0.00	21.99 0.63 0.00	22.28 0.58 0.00	26.05 0.64 0.00	30.84 1.74 0.00	44.56 2.59 0.00	78.68 4.67 0.00	26.87 1.44 0.00	21.72 1.26 0.00	20.61 1.09 0.00	19.34 0.87 0.00	16.20 0.66 0.00	15.19 0.76 0.00	15.94 0.87 0.00	14.86 1.00 0.00	18.33 1.25 0.00	24.04 1.60 0.00	38.86 2.66 0.00	24.75 1.63 0.00	29.61 1.70 0.00	22.54 1.40 0.00	19.41 1.16 0.00
LISF____SOLAR 323691	22.94 1.26 0.00	22.67 1.03 0.00	21.73 0.92 0.00	22.04 0.68 0.00	22.30 0.60 0.00	26.09 0.69 0.00	30.87 1.78 0.00	44.63 2.66 0.00	78.80 4.80 0.00	26.89 1.46 0.00	21.72 1.25 0.00	20.61 1.09 0.00	19.33 0.86 0.00	16.20 0.66 0.00	15.19 0.77 0.00	15.94 0.87 0.00	14.87 1.01 0.00	18.36 1.27 0.00	24.09 1.64 0.00	38.94 2.74 0.00	24.80 1.69 0.00	29.67 1.76 0.00	22.57 1.44 0.00	19.44 1.19 0.00
LITTLE FALLS____HYD 24013	21.53 -0.15 0.00	21.51 -0.14 0.00	20.64 -0.17 0.00	21.01 -0.36 0.00	21.23 -0.46 0.00	25.03 -0.37 0.00	29.77 0.22 -0.45	42.59 0.62 0.00	75.38 1.38 0.00	25.58 0.15 0.00	20.89 -0.01 -0.43	19.53 0.01 0.00	18.33 -0.14 0.00	15.30 -0.24 0.00	14.16 -0.27 0.00	14.75 -0.32 0.00	13.56 -0.30 0.00	16.86 -0.22 0.00	22.80 0.06 -0.29	36.56 0.35 0.00	23.26 0.14 0.00	27.98 0.07 0.00	21.10 -0.03 0.00	18.11 -0.14 0.00
LITTLRIV_115KV_TB1 356100	27.40 -0.24 -5.95	27.29 -0.29 -5.94	26.38 -0.27 -5.84	27.17 -0.13 -5.93	27.50 -0.17 -5.97	31.51 -0.36 -6.47	26.23 -0.65 2.21	47.15 -0.81 -5.99	85.33 -1.69 -13.02	31.59 -0.32 -6.48	17.78 -0.33 2.36	24.84 -0.37 -5.68	23.68 -0.33 -5.54	20.38 -0.30 -5.14	19.05 -0.36 -4.98	19.77 -0.37 -5.07	18.40 -0.36 -4.90	21.97 -0.44 -5.33	22.35 -0.54 -0.44	43.50 -0.63 -7.93	29.02 -0.25 -6.16	34.54 -0.19 -6.83	26.82 -0.21 -5.90	23.55 -0.20 -5.49



LI_NEWBRDGE___DRP 323616	22.81 1.13 0.00	22.65 1.00 0.00	21.66 0.85 0.00	21.98 0.62 0.00	22.28 0.59 0.00	26.16 0.76 0.00	30.75 1.66 0.00	44.53 2.56 0.00	78.52 4.51 0.00	26.88 1.45 0.00	21.72 1.25 0.00	20.62 1.10 0.00	19.37 0.90 0.00	16.26 0.72 0.00	15.15 0.73 0.00	15.84 0.78 0.00	14.68 0.82 0.00	18.08 1.00 0.00	23.79 1.35 0.00	38.57 2.36 0.00	24.55 1.43 0.00	29.43 1.52 0.00	22.35 1.22 0.00	19.24 0.99 0.00
LOCKPORT_115KV_TB60_63_64 80432	20.09 -1.58 0.00	20.29 -1.35 0.00	19.63 -1.19 0.00	20.24 -1.12 0.00	20.82 -0.88 0.00	24.48 -0.92 0.00	26.84 -2.26 0.00	37.91 -4.06 0.00	66.78 -7.22 0.00	22.83 -2.59 0.00	18.13 -2.33 0.00	17.31 -2.22 0.00	16.56 -1.90 0.00	13.90 -1.64 0.00	12.97 -1.46 0.00	13.70 -1.37 0.00	12.55 -1.31 0.00	15.34 -1.74 0.00	20.08 -2.36 0.00	32.46 -3.74 0.00	20.84 -2.28 0.00	25.00 -2.90 0.00	18.72 -2.41 0.00	16.54 -1.72 0.00
LOCKPORT___CC1 323769	20.06 -1.62 0.00	20.26 -1.39 0.00	19.62 -1.19 0.00	20.22 -1.14 0.00	20.83 -0.86 0.00	24.45 -0.95 0.00	26.81 -2.28 0.00	37.85 -4.12 0.00	66.72 -7.28 0.00	22.82 -2.61 0.00	18.12 -2.35 0.00	17.31 -2.22 0.00	16.56 -1.90 0.00	13.89 -1.65 0.00	12.97 -1.46 0.00	13.69 -1.38 0.00	12.54 -1.32 0.00	15.33 -1.75 0.00	20.07 -2.38 0.00	32.43 -3.78 0.00	20.81 -2.31 0.00	24.98 -2.93 0.00	18.70 -2.43 0.00	16.52 -1.73 0.00
LOCKPORT___CC2 323770	20.06 -1.62 0.00	20.26 -1.39 0.00	19.62 -1.19 0.00	20.22 -1.14 0.00	20.83 -0.86 0.00	24.45 -0.95 0.00	26.81 -2.28 0.00	37.85 -4.12 0.00	66.72 -7.28 0.00	22.82 -2.61 0.00	18.12 -2.35 0.00	17.31 -2.22 0.00	16.56 -1.90 0.00	13.89 -1.65 0.00	12.97 -1.46 0.00	13.69 -1.38 0.00	12.54 -1.32 0.00	15.33 -1.75 0.00	20.07 -2.38 0.00	32.43 -3.78 0.00	20.81 -2.31 0.00	24.98 -2.93 0.00	18.70 -2.43 0.00	16.52 -1.73 0.00
LOCKPORT___CC3 323771	20.06 -1.62 0.00	20.26 -1.39 0.00	19.62 -1.19 0.00	20.22 -1.14 0.00	20.83 -0.86 0.00	24.45 -0.95 0.00	26.81 -2.28 0.00	37.85 -4.12 0.00	66.72 -7.28 0.00	22.82 -2.61 0.00	18.12 -2.35 0.00	17.31 -2.22 0.00	16.56 -1.90 0.00	13.89 -1.65 0.00	12.97 -1.46 0.00	13.69 -1.38 0.00	12.54 -1.32 0.00	15.33 -1.75 0.00	20.07 -2.38 0.00	32.43 -3.78 0.00	20.81 -2.31 0.00	24.98 -2.93 0.00	18.70 -2.43 0.00	16.52 -1.73 0.00
LONG_LAKE_PHOENIX 24014	21.35 -0.33 0.00	21.36 -0.28 0.00	20.54 -0.28 0.00	21.02 -0.34 0.00	21.39 -0.30 0.00	25.05 -0.35 0.00	28.56 -0.53 0.00	41.12 -0.84 0.00	72.46 -1.54 0.00	24.78 -0.65 0.00	19.86 -0.60 0.00	18.96 -0.57 0.00	17.94 -0.53 0.00	15.09 -0.45 0.00	14.01 -0.41 0.00	14.66 -0.41 0.00	13.52 -0.34 0.00	16.72 -0.36 0.00	21.95 -0.50 0.00	35.44 -0.77 0.00	22.61 -0.50 0.00	27.20 -0.71 0.00	20.54 -0.59 0.00	17.79 -0.46 0.00
LOVETT___3 23632	22.63 0.95 0.00	22.54 0.90 0.00	21.56 0.75 0.00	21.91 0.55 0.00	22.26 0.56 0.00	26.17 0.77 0.00	30.61 1.52 0.00	44.38 2.42 0.00	78.29 4.29 0.00	26.73 1.30 0.00	21.47 1.00 0.00	20.45 0.92 0.00	19.24 0.77 0.00	16.18 0.64 0.00	15.05 0.63 0.00	15.70 0.64 0.00	14.48 0.62 0.00	17.86 0.78 0.00	23.53 1.09 0.00	38.17 1.96 0.00	24.30 1.18 0.00	29.18 1.28 0.00	22.13 1.00 0.00	19.03 0.78 0.00
LOVETT___4 23642	22.63 0.95 0.00	22.54 0.90 0.00	21.56 0.75 0.00	21.91 0.55 0.00	22.26 0.56 0.00	26.17 0.77 0.00	30.61 1.52 0.00	44.38 2.42 0.00	78.29 4.29 0.00	26.73 1.30 0.00	21.47 1.00 0.00	20.45 0.92 0.00	19.24 0.77 0.00	16.18 0.64 0.00	15.05 0.63 0.00	15.70 0.64 0.00	14.48 0.62 0.00	17.86 0.78 0.00	23.53 1.09 0.00	38.17 1.96 0.00	24.30 1.18 0.00	29.18 1.28 0.00	22.13 1.00 0.00	19.03 0.78 0.00
LOVETT___5 23593	22.63 0.95 0.00	22.54 0.90 0.00	21.56 0.75 0.00	21.91 0.55 0.00	22.26 0.56 0.00	26.17 0.77 0.00	30.61 1.52 0.00	44.38 2.42 0.00	78.29 4.29 0.00	26.73 1.30 0.00	21.47 1.00 0.00	20.45 0.92 0.00	19.24 0.77 0.00	16.18 0.64 0.00	15.05 0.63 0.00	15.70 0.64 0.00	14.48 0.62 0.00	17.86 0.78 0.00	23.53 1.09 0.00	38.17 1.96 0.00	24.30 1.18 0.00	29.18 1.28 0.00	22.13 1.00 0.00	19.03 0.78 0.00
LOWER RAQUET___HYD 24057	27.53 -0.64 -6.49	27.44 -0.69 -6.48	26.53 -0.65 -6.37	27.29 -0.54 -6.47	27.61 -0.60 -6.52	31.57 -0.89 -7.06	26.25 -1.25 1.59	46.82 -1.68 -6.53	84.97 -3.24 -14.20	31.67 -0.84 -7.07	17.98 -0.69 1.79	25.04 -0.68 -6.20	23.91 -0.61 -6.05	20.62 -0.52 -5.61	19.29 -0.56 -5.43	20.01 -0.59 -5.53	18.64 -0.56 -5.35	22.19 -0.71 -5.82	22.54 -0.92 -1.02	43.47 -1.39 -8.65	29.10 -0.74 -6.72	34.57 -0.79 -7.45	26.92 -0.65 -6.43	23.68 -0.57 -5.99
LOWER___HUDSON 24059	22.28 0.60 0.00	22.27 0.62 0.00	21.34 0.53 0.00	21.75 0.39 0.00	22.01 0.32 0.00	25.84 0.44 0.00	30.11 1.01 0.00	43.57 1.61 0.00	77.03 3.02 0.00	26.18 0.75 0.00	21.05 0.58 0.00	20.06 0.54 0.00	18.95 0.48 0.00	15.99 0.45 0.00	14.81 0.39 0.00	15.42 0.35 0.00	14.16 0.30 0.00	17.53 0.45 0.00	23.23 0.78 0.00	37.47 1.27 0.00	23.87 0.75 0.00	28.81 0.90 0.00	21.78 0.65 0.00	18.73 0.48 0.00
LOWVILLE_115KV_TB2 356335	23.04 -0.50 -1.86	22.98 -0.52 -1.86	21.97 -0.66 -1.83	22.39 -0.83 -1.86	22.60 -0.96 -1.87	26.33 -1.10 -2.02	27.81 -1.13 0.16	42.39 -1.45 -1.87	75.46 -2.62 -4.07	26.46 -1.00 -2.03	19.23 -1.00 0.23	20.22 -1.09 -1.78	19.09 -1.12 -1.74	16.20 -0.95 -1.61	15.08 -0.91 -1.56	15.73 -0.92 -1.58	14.51 -0.88 -1.53	17.80 -0.95 -1.67	22.00 -0.93 -0.48	37.37 -1.31 -2.48	24.20 -0.85 -1.93	28.91 -1.13 -2.14	22.03 -0.95 -1.85	19.09 -0.88 -1.72
LUTHERFT_115KV_GLOB_FND_222 355753	22.55 0.87 0.00	22.53 0.89 0.00	21.60 0.79 0.00	22.04 0.67 0.00	22.35 0.65 0.00	26.27 0.86 0.00	30.58 1.49 0.00	44.23 2.26 0.00	78.24 4.23 0.00	26.58 1.15 0.00	21.37 0.90 0.00	20.33 0.81 0.00	19.20 0.74 0.00	16.18 0.64 0.00	14.94 0.52 0.00	15.58 0.51 0.00	14.32 0.46 0.00	17.77 0.68 0.00	23.59 1.15 0.00	38.10 1.89 0.00	24.25 1.13 0.00	29.20 1.30 0.00	22.05 0.92 0.00	18.95 0.70 0.00
LUTHERNY_35_KV_BK2 355980	22.56 0.89 0.00	22.54 0.89 0.00	21.59 0.78 0.00	22.03 0.66 0.00	22.34 0.64 0.00	26.27 0.87 0.00	30.60 1.50 0.00	44.26 2.30 0.00	78.29 4.29 0.00	26.60 1.17 0.00	21.37 0.90 0.00	20.33 0.80 0.00	19.21 0.74 0.00	16.18 0.65 0.00	14.94 0.52 0.00	15.58 0.51 0.00	14.33 0.47 0.00	17.78 0.69 0.00	23.61 1.17 0.00	38.14 1.94 0.00	24.27 1.15 0.00	29.25 1.34 0.00	22.06 0.93 0.00	18.95 0.70 0.00
LWR___OSWEGATCHIE_HYD 23850	25.23 -0.86 -4.41	25.16 -0.89 -4.40	24.21 -0.93 -4.33	24.80 -0.96 -4.40	25.05 -1.07 -4.43	28.87 -1.33 -4.80	26.56 -1.57 0.96	44.30 -2.11 -4.44	79.75 -3.90 -9.65	28.97 -1.26 -4.81	18.23 -1.12 1.11	22.56 -1.18 -4.21	21.43 -1.15 -4.11	18.37 -0.98 -3.81	17.15 -0.96 -3.69	17.83 -1.00 -3.76	16.55 -0.94 -3.63	19.96 -1.07 -3.95	21.97 -1.24 -0.77	40.27 -1.82 -5.88	26.59 -1.10 -4.57	31.65 -1.32 -5.06	24.42 -1.08 -4.37	21.35 -0.97 -4.07



LYONS_FALL_HYD 23570	22.81 -0.11 -1.24	22.75 -0.13 -1.24	21.79 -0.23 -1.21	22.25 -0.35 -1.23	22.52 -0.42 -1.24	26.31 -0.44 -1.34	28.82 -0.35 -0.08	42.84 -0.37 -1.25	76.03 -0.68 -2.70	26.45 -0.33 -1.35	20.04 -0.44 -0.02	20.20 -0.51 -1.18	19.07 -0.55 -1.15	16.14 -0.47 -1.07	15.00 -0.46 -1.04	15.66 -0.47 -1.06	14.45 -0.43 -1.02	17.79 -0.40 -1.11	22.58 -0.30 -0.44	37.49 -0.37 -1.65	24.14 -0.26 -1.28	28.92 -0.41 -1.42	21.97 -0.39 -1.23	19.01 -0.39 -1.14
MADISON___COUNTY_LFGE 323628	22.14 0.47 0.00	22.10 0.46 0.00	21.23 0.42 0.00	21.72 0.35 0.00	22.07 0.38 0.00	25.93 0.53 0.00	29.82 0.73 0.00	43.10 1.14 0.00	76.03 2.02 0.00	26.00 0.57 0.00	20.73 0.26 0.00	19.69 0.17 0.00	18.59 0.12 0.00	15.62 0.08 0.00	14.50 0.07 0.00	15.14 0.07 0.00	13.95 0.09 0.00	17.40 0.32 0.00	22.97 0.52 0.00	37.11 0.90 0.00	23.67 0.55 0.00	28.44 0.53 0.00	21.47 0.34 0.00	18.53 0.28 0.00
MALONE___115KV_TB1 356076	49.94 -0.60 -28.86	49.80 -0.65 -28.81	48.53 -0.58 -28.30	49.66 -0.46 -28.76	50.15 -0.51 -28.96	56.07 -0.69 -31.36	44.76 -1.00 -16.67	69.73 -1.27 -29.03	134.59 -2.52 -63.11	56.34 -0.53 -31.44	34.41 -0.42 -14.37	46.69 -0.39 -27.55	45.05 -0.31 -26.89	40.19 -0.28 -24.92	38.26 -0.31 -24.15	39.30 -0.35 -24.58	37.25 -0.37 -23.76	42.43 -0.49 -25.84	41.63 -0.68 -19.86	73.69 -0.96 -38.44	52.48 -0.51 -29.87	60.51 -0.52 -33.12	49.26 -0.47 -28.60	44.44 -0.44 -26.64
MAPLEWOD_115KV_TB3 80458	22.39 0.72 0.00	22.37 0.73 0.00	21.44 0.63 0.00	21.87 0.51 0.00	22.15 0.45 0.00	25.99 0.59 0.00	30.27 1.17 0.00	43.78 1.81 0.00	77.34 3.33 0.00	26.34 0.91 0.00	21.19 0.72 0.00	20.19 0.67 0.00	19.07 0.59 0.00	16.06 0.52 0.00	14.89 0.46 0.00	15.51 0.44 0.00	14.26 0.40 0.00	17.64 0.55 0.00	23.32 0.88 0.00	37.66 1.46 0.00	24.01 0.89 0.00	28.94 1.04 0.00	21.91 0.78 0.00	18.84 0.59 0.00
MAPLE_RIDGE_WT_1 323574	21.29 -0.39 0.00	21.20 -0.44 0.00	20.34 -0.47 0.00	20.90 -0.46 0.00	21.15 -0.55 0.00	24.70 -0.71 0.00	12.59 -0.91 15.59	40.68 -1.28 0.00	71.56 -2.44 0.00	24.65 -0.78 0.00	5.15 -0.63 14.69	18.91 -0.61 0.00	17.91 -0.56 0.00	15.08 -0.46 0.00	13.97 -0.45 0.00	14.61 -0.46 0.00	13.42 -0.44 0.00	16.50 -0.58 10.09	11.59 -0.76 0.00	34.93 -1.27 0.00	22.32 -0.80 0.00	26.99 -0.92 0.00	20.46 -0.67 0.00	17.70 -0.55 0.00
MAPLE_RIDGE_WT_2 323611	21.29 -0.39 0.00	21.20 -0.44 0.00	20.34 -0.47 0.00	20.90 -0.46 0.00	21.15 -0.55 0.00	24.70 -0.71 0.00	12.59 -0.91 15.59	40.68 -1.28 0.00	71.56 -2.44 0.00	24.65 -0.78 0.00	5.15 -0.63 14.69	18.91 -0.61 0.00	17.91 -0.56 0.00	15.08 -0.46 0.00	13.97 -0.45 0.00	14.61 -0.46 0.00	13.42 -0.44 0.00	16.50 -0.58 10.09	11.59 -0.76 0.00	34.93 -1.27 0.00	22.32 -0.80 0.00	26.99 -0.92 0.00	20.46 -0.67 0.00	17.70 -0.55 0.00
MARBLE_RIVER_WT_PWR 323696	-21.00 -0.97 41.70	-21.00 -1.02 41.63	-21.00 -0.92 40.89	-21.00 -0.81 41.56	-21.00 -0.84 41.85	-21.00 -1.09 45.31	-17.70 -1.50 45.29	-2.04 -2.05 41.96	-21.00 -3.80 91.20	-21.00 -0.99 45.44	-21.00 -0.74 40.73	-21.00 -0.70 39.82	-21.00 -0.61 38.86	-21.00 -0.52 36.02	-21.00 -0.52 34.90	-21.00 -0.54 35.53	-21.00 -0.52 34.34	-21.00 -0.73 37.35	-21.00 -1.03 42.42	-21.00 -1.64 55.56	-21.00 -0.96 43.16	-21.00 -1.04 47.87	-21.00 -0.81 41.33	-21.00 -0.75 38.50
MARSHVLE_115KV_TB1 80742	22.65 0.97 0.00	22.63 0.98 0.00	21.76 0.95 0.00	22.35 0.99 0.00	22.78 1.08 0.00	26.73 1.33 0.00	30.54 1.44 0.00	44.05 2.08 0.00	77.46 3.45 0.00	26.61 1.18 0.00	21.36 0.90 0.00	20.33 0.81 0.00	19.23 0.76 0.00	16.04 0.50 0.00	14.85 0.43 0.00	15.54 0.47 0.00	14.31 0.45 0.00	17.73 0.65 0.00	23.37 0.92 0.00	37.95 1.74 0.00	24.24 1.12 0.00	29.13 1.22 0.00	22.03 0.89 0.00	19.02 0.77 0.00
MARSH_HILL_WT_PWR 323713	20.31 -1.37 0.00	21.06 -0.59 0.00	19.89 -0.92 0.00	20.27 -1.09 0.00	21.12 -0.58 0.00	24.39 -1.02 0.00	28.06 -1.04 0.00	40.36 -1.61 0.00	70.94 -3.07 0.00	23.69 -1.73 0.00	18.87 -1.60 0.00	18.01 -1.52 0.00	16.99 -1.48 0.00	14.16 -1.38 0.00	13.20 -1.23 0.00	13.84 -1.22 0.00	12.78 -1.08 0.00	15.94 -1.14 0.00	21.12 -1.33 0.00	34.47 -1.74 0.00	21.98 -1.14 0.00	26.49 -1.42 0.00	20.19 -0.94 0.00	17.51 -0.74 0.00
MCINTYRE_115KV_TB2 80467	26.81 0.05 -5.08	26.72 0.00 -5.07	25.81 0.02 -4.98	26.61 0.19 -5.06	26.95 0.16 -5.10	30.96 0.03 -5.52	25.63 -0.23 3.23	46.88 -0.20 -5.11	84.48 -0.64 -11.11	30.99 0.03 -5.54	17.15 -0.05 3.27	24.24 -0.14 -4.85	23.08 -0.12 -4.74	19.81 -0.12 -4.39	18.48 -0.19 -4.25	19.20 -0.19 -4.33	17.84 -0.21 -4.18	21.38 -0.25 -4.55	21.67 -0.29 0.49	42.84 -0.13 -6.77	28.47 0.09 -5.26	33.95 0.22 -5.83	26.27 0.10 -5.04	23.02 0.08 -4.69
MECO_____69_KV_BK1 80468	23.68 2.01 0.00	23.66 2.02 0.00	22.73 1.92 0.00	23.26 1.90 0.00	23.68 1.99 0.00	27.92 2.51 0.00	32.29 3.19 0.00	46.62 4.65 0.00	81.91 7.91 0.00	28.01 2.58 0.00	22.22 1.75 0.00	21.27 1.75 0.00	20.10 1.63 0.00	16.44 0.90 0.00	15.11 0.69 0.00	15.80 0.73 0.00	14.60 0.75 0.00	18.37 1.29 0.00	24.60 2.15 0.00	40.25 4.05 0.00	25.65 2.53 0.00	30.73 2.83 0.00	23.15 2.02 0.00	19.93 1.68 0.00
MENANDS___115KV_TB5 355628	22.36 0.68 0.00	22.33 0.69 0.00	21.40 0.59 0.00	21.83 0.46 0.00	22.10 0.40 0.00	25.93 0.53 0.00	30.21 1.11 0.00	43.68 1.71 0.00	77.18 3.18 0.00	26.28 0.85 0.00	21.14 0.67 0.00	20.15 0.63 0.00	19.03 0.56 0.00	16.04 0.50 0.00	14.88 0.46 0.00	15.50 0.43 0.00	14.25 0.39 0.00	17.62 0.54 0.00	23.29 0.84 0.00	37.57 1.36 0.00	23.94 0.82 0.00	28.88 0.97 0.00	21.88 0.74 0.00	18.81 0.56 0.00
MG INDUSTRY___DRP 24185	22.34 0.67 0.00	22.33 0.69 0.00	21.42 0.61 0.00	21.88 0.52 0.00	22.18 0.48 0.00	26.02 0.61 0.00	30.15 1.05 0.00	43.57 1.60 0.00	76.93 2.93 0.00	26.23 0.80 0.00	21.09 0.63 0.00	20.10 0.58 0.00	18.98 0.51 0.00	15.98 0.44 0.00	14.82 0.40 0.00	15.47 0.40 0.00	14.23 0.37 0.00	17.59 0.50 0.00	23.24 0.79 0.00	37.51 1.30 0.00	23.89 0.77 0.00	28.80 0.90 0.00	21.81 0.67 0.00	18.79 0.54 0.00
MID___OSWEGATCHIE_HYD 23849	25.23 -0.86 -4.41	25.16 -0.89 -4.40	24.21 -0.93 -4.33	24.80 -0.96 -4.40	25.05 -1.07 -4.43	28.87 -1.33 -4.80	26.56 -1.57 0.96	44.30 -2.11 -4.44	79.75 -3.90 -9.65	28.97 -1.26 -4.81	18.23 -1.12 1.11	22.56 -1.18 -4.21	21.43 -1.15 -4.11	18.37 -0.98 -3.81	17.15 -0.96 -3.69	17.83 -1.00 -3.76	16.55 -0.94 -3.63	19.96 -1.07 -3.95	21.97 -1.24 -0.77	40.27 -1.82 -5.88	26.59 -1.10 -4.57	31.65 -1.32 -5.06	24.42 -1.08 -4.37	21.35 -0.97 -4.07
MID___RAQUETTE_HYD 23851	27.53 -0.64 -6.49	27.44 -0.69 -6.48	26.53 -0.65 -6.37	27.29 -0.54 -6.47	27.61 -0.60 -6.52	31.57 -0.89 -7.06	26.26 -1.25 1.59	46.82 -1.68 -6.53	84.97 -3.23 -14.20	31.67 -0.84 -7.07	17.98 -0.69 1.79	25.05 -0.68 -6.20	23.91 -0.61 -6.05	20.62 -0.52 -5.61	19.29 -0.56 -5.43	20.01 -0.59 -5.53	18.64 -0.56 -5.35	22.19 -0.71 -5.82	22.54 -0.92 -1.02	43.47 -1.38 -8.65	29.10 -0.74 -6.72	34.57 -0.79 -7.45	26.92 -0.65 -6.43	23.68 -0.57 -5.99



MILLIKEN___1 23584	21.99 0.31 0.00	21.99 0.35 0.00	21.16 0.35 0.00	21.61 0.25 0.00	22.05 0.36 0.00	25.91 0.51 0.00	29.70 0.60 0.00	42.78 0.81 0.00	75.34 1.34 0.00	25.64 0.21 0.00	20.41 -0.06 0.00	19.41 -0.12 0.00	18.33 -0.14 0.00	15.39 -0.15 0.00	14.31 -0.11 0.00	14.96 -0.11 0.00	13.80 -0.06 0.00	17.19 0.11 0.00	22.66 0.21 0.00	36.76 0.55 0.00	23.42 0.30 0.00	28.10 0.20 0.00	21.24 0.11 0.00	18.35 0.10 0.00
MILLIKEN___2 23585	21.99 0.31 0.00	21.99 0.35 0.00	21.16 0.35 0.00	21.61 0.25 0.00	22.05 0.36 0.00	25.91 0.51 0.00	29.70 0.60 0.00	42.78 0.81 0.00	75.34 1.34 0.00	25.64 0.21 0.00	20.41 -0.06 0.00	19.41 -0.12 0.00	18.33 -0.14 0.00	15.39 -0.15 0.00	14.31 -0.11 0.00	14.96 -0.11 0.00	13.80 -0.06 0.00	17.19 0.11 0.00	22.66 0.21 0.00	36.76 0.55 0.00	23.42 0.30 0.00	28.10 0.20 0.00	21.24 0.11 0.00	18.35 0.10 0.00
MILLIKEN___DIESEL 23629	21.99 0.31 0.00	21.99 0.35 0.00	21.16 0.35 0.00	21.61 0.25 0.00	22.05 0.36 0.00	25.91 0.51 0.00	29.70 0.60 0.00	42.78 0.81 0.00	75.34 1.34 0.00	25.64 0.21 0.00	20.41 -0.06 0.00	19.41 -0.12 0.00	18.33 -0.14 0.00	15.39 -0.15 0.00	14.31 -0.11 0.00	14.96 -0.11 0.00	13.80 -0.06 0.00	17.19 0.11 0.00	22.66 0.21 0.00	36.76 0.55 0.00	23.42 0.30 0.00	28.10 0.20 0.00	21.24 0.11 0.00	18.35 0.10 0.00
MILLSEAT___LFGE 323607	20.54 -1.14 0.00	20.72 -0.92 0.00	20.05 -0.76 0.00	20.67 -0.70 0.00	21.27 -0.42 0.00	25.01 -0.40 0.00	27.59 -1.50 0.00	39.12 -2.85 0.00	68.88 -5.12 0.00	23.46 -1.97 0.00	18.56 -1.90 0.00	17.70 -1.82 0.00	16.93 -1.54 0.00	14.19 -1.35 0.00	13.24 -1.18 0.00	14.01 -1.06 0.00	12.89 -0.97 0.00	15.77 -1.32 0.00	20.67 -1.78 0.00	33.49 -2.72 0.00	21.48 -1.64 0.00	25.75 -2.15 0.00	19.27 -1.87 0.00	16.95 -1.30 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	22.64 0.96 0.00	22.55 0.90 0.00	21.56 0.75 0.00	21.91 0.55 0.00	22.26 0.56 0.00	26.16 0.76 0.00	30.63 1.53 0.00	44.42 2.45 0.00	78.35 4.35 0.00	26.77 1.34 0.00	21.52 1.05 0.00	20.49 0.97 0.00	19.29 0.82 0.00	16.22 0.68 0.00	15.09 0.66 0.00	15.74 0.67 0.00	14.51 0.65 0.00	17.90 0.82 0.00	23.58 1.13 0.00	38.25 2.04 0.00	24.34 1.22 0.00	29.23 1.32 0.00	22.17 1.04 0.00	19.07 0.81 0.00
MILLWOOD_13_KV_LOAD 356217	22.69 1.01 0.00	22.60 0.95 0.00	21.61 0.80 0.00	21.96 0.59 0.00	22.30 0.61 0.00	26.22 0.82 0.00	30.69 1.60 0.00	44.53 2.57 0.00	78.54 4.54 0.00	26.84 1.41 0.00	21.57 1.11 0.00	20.55 1.02 0.00	19.33 0.86 0.00	16.25 0.71 0.00	15.12 0.69 0.00	15.77 0.70 0.00	14.54 0.68 0.00	17.94 0.86 0.00	23.64 1.20 0.00	38.35 2.14 0.00	24.41 1.29 0.00	29.30 1.40 0.00	22.22 1.09 0.00	19.10 0.85 0.00
MODEL_CITY_ENERGY 24167	19.86 -1.82 0.00	20.05 -1.59 0.00	19.42 -1.39 0.00	20.04 -1.33 0.00	20.63 -1.06 0.00	24.20 -1.20 0.00	26.50 -2.60 0.00	37.40 -4.57 0.00	65.90 -8.11 0.00	22.56 -2.87 0.00	17.92 -2.54 0.00	17.12 -2.41 0.00	16.39 -2.08 0.00	13.75 -1.79 0.00	12.83 -1.60 0.00	13.54 -1.53 0.00	12.40 -1.46 0.00	15.15 -1.93 0.00	19.82 -2.62 0.00	32.03 -4.18 0.00	20.55 -2.57 0.00	24.66 -3.25 0.00	18.48 -2.65 0.00	16.34 -1.91 0.00
MODERN_LFGE___ 323580	19.86 -1.82 0.00	20.05 -1.59 0.00	19.42 -1.39 0.00	20.04 -1.33 0.00	20.63 -1.06 0.00	24.20 -1.20 0.00	26.50 -2.60 0.00	37.40 -4.57 0.00	65.90 -8.11 0.00	22.56 -2.87 0.00	17.92 -2.54 0.00	17.12 -2.41 0.00	16.39 -2.08 0.00	13.75 -1.79 0.00	12.83 -1.60 0.00	13.54 -1.53 0.00	12.40 -1.46 0.00	15.15 -1.93 0.00	19.82 -2.62 0.00	32.03 -4.18 0.00	20.55 -2.57 0.00	24.66 -3.25 0.00	18.48 -2.65 0.00	16.34 -1.91 0.00
MOHAWK_PAPER___DRP 24187	22.39 0.72 0.00	22.37 0.73 0.00	21.44 0.63 0.00	21.87 0.51 0.00	22.15 0.45 0.00	25.99 0.59 0.00	30.27 1.17 0.00	43.78 1.81 0.00	77.34 3.33 0.00	26.34 0.91 0.00	21.19 0.72 0.00	20.19 0.67 0.00	19.07 0.59 0.00	16.06 0.52 0.00	14.89 0.46 0.00	15.51 0.44 0.00	14.26 0.40 0.00	17.64 0.55 0.00	23.32 0.88 0.00	37.66 1.46 0.00	24.01 0.89 0.00	28.94 1.04 0.00	21.91 0.78 0.00	18.84 0.59 0.00
MOHICAN___35_KV_115KV_LD 80490	22.63 0.96 0.00	22.65 1.01 0.00	21.71 0.90 0.00	22.12 0.76 0.00	22.44 0.75 0.00	26.42 1.02 0.00	30.92 1.82 0.00	44.75 2.78 0.00	79.40 5.40 0.00	26.82 1.39 0.00	21.55 1.08 0.00	20.50 0.97 0.00	19.39 0.93 0.00	16.38 0.84 0.00	15.09 0.66 0.00	15.72 0.66 0.00	14.37 0.51 0.00	17.87 0.79 0.00	23.86 1.41 0.00	38.54 2.33 0.00	24.48 1.36 0.00	29.42 1.52 0.00	22.16 1.03 0.00	19.00 0.74 0.00
MONGAUP___HYD 23641	22.52 0.84 0.00	22.44 0.80 0.00	21.48 0.67 0.00	21.87 0.51 0.00	22.23 0.54 0.00	26.10 0.70 0.00	30.26 1.16 0.00	43.84 1.88 0.00	77.38 3.38 0.00	26.38 0.95 0.00	21.07 0.60 0.00	20.05 0.52 0.00	18.96 0.49 0.00	15.88 0.34 0.00	14.75 0.33 0.00	15.38 0.32 0.00	14.09 0.23 0.00	17.46 0.38 0.00	23.11 0.66 0.00	37.52 1.32 0.00	23.98 0.86 0.00	29.02 1.11 0.00	21.96 0.83 0.00	18.88 0.64 0.00
MONTAUK___DIESEL 23721	23.00 1.32 0.00	22.70 1.06 0.00	21.75 0.94 0.00	22.07 0.71 0.00	22.39 0.69 0.00	26.19 0.79 0.00	31.78 2.68 0.00	45.93 3.97 0.00	81.07 7.07 0.00	27.63 2.20 0.00	22.32 1.85 0.00	21.13 1.60 0.00	19.77 1.30 0.00	16.55 1.01 0.00	15.54 1.12 0.00	16.29 1.22 0.00	15.21 1.35 0.00	18.82 1.74 0.00	24.72 2.28 0.00	40.01 3.80 0.00	25.47 2.35 0.00	30.44 2.53 0.00	23.12 1.98 0.00	19.89 1.64 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	20.56 -1.12 0.00	20.72 -0.93 0.00	19.93 -0.88 0.00	20.44 -0.93 0.00	21.08 -0.61 0.00	24.92 -0.48 0.00	27.76 -1.34 0.00	39.33 -2.64 0.00	69.94 -4.07 0.00	23.50 -1.93 0.00	18.69 -1.78 0.00	17.82 -1.70 0.00	16.96 -1.51 0.00	14.15 -1.39 0.00	13.23 -1.20 0.00	13.94 -1.13 0.00	12.70 -1.16 0.00	15.61 -1.47 0.00	20.60 -1.85 0.00	33.34 -2.87 0.00	21.53 -1.59 0.00	25.51 -2.39 0.00	19.10 -2.03 0.00	17.10 -1.16 0.00
MORTIMER_115KV_TB3 55949	20.88 -0.80 0.00	21.01 -0.64 0.00	20.26 -0.55 0.00	20.82 -0.54 0.00	21.32 -0.37 0.00	25.06 -0.34 0.00	28.06 -1.04 0.00	40.03 -1.93 0.00	70.49 -3.51 0.00	24.06 -1.37 0.00	19.19 -1.27 0.00	18.30 -1.22 0.00	17.43 -1.04 0.00	14.63 -0.91 0.00	13.63 -0.79 0.00	14.34 -0.73 0.00	13.17 -0.68 0.00	16.20 -0.88 0.00	21.25 -1.20 0.00	34.33 -1.87 0.00	21.97 -1.15 0.00	26.37 -1.53 0.00	19.80 -1.33 0.00	17.30 -0.96 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	22.68 1.00 0.00	22.58 0.93 0.00	21.57 0.76 0.00	21.92 0.55 0.00	22.26 0.57 0.00	26.19 0.79 0.00	30.69 1.60 0.00	44.56 2.59 0.00	78.56 4.56 0.00	26.91 1.48 0.00	21.63 1.17 0.00	20.61 1.09 0.00	19.40 0.94 0.00	16.32 0.78 0.00	15.18 0.75 0.00	15.83 0.76 0.00	14.60 0.74 0.00	17.99 0.90 0.00	23.67 1.22 0.00	38.41 2.20 0.00	24.44 1.32 0.00	29.31 1.41 0.00	22.25 1.12 0.00	19.13 0.88 0.00



MUNSVILLE_WIND_PWR 323609	22.90 1.22 0.00	22.68 1.03 0.00	22.11 1.30 0.00	22.29 0.92 0.00	22.84 1.14 0.00	27.16 1.76 0.00	30.95 1.85 0.00	44.95 2.98 0.00	78.94 4.93 0.00	26.75 1.32 0.00	21.13 0.66 0.00	19.91 0.38 0.00	18.64 0.18 0.00	15.60 0.06 0.00	14.48 0.06 0.00	15.15 0.08 0.00	13.99 0.14 0.00	17.68 0.60 0.00	23.62 1.18 0.00	38.47 2.27 0.00	24.49 1.37 0.00	29.28 1.37 0.00	22.03 0.90 0.00	19.09 0.84 0.00
N SALMON___HYD 24042	49.94 -0.60 -28.86	49.80 -0.65 -28.81	48.52 -0.59 -28.30	49.65 -0.47 -28.76	50.14 -0.52 -28.96	56.07 -0.69 -31.36	44.76 -1.00 -16.67	69.73 -1.27 -29.03	134.58 -2.52 -63.11	56.33 -0.54 -31.44	34.41 -0.43 -14.37	46.69 -0.39 -27.55	45.05 -0.31 -26.89	40.18 -0.28 -24.92	38.25 -0.32 -24.15	39.29 -0.36 -24.58	37.25 -0.37 -23.76	42.43 -0.49 -25.84	41.63 -0.68 -19.86	73.68 -0.97 -38.44	52.47 -0.51 -29.87	60.51 -0.52 -33.12	49.26 -0.47 -28.60	44.44 -0.45 -26.64
N.AKRON___115KV_KNAPP 355671	20.55 -1.13 0.00	20.73 -0.91 0.00	20.03 -0.78 0.00	20.66 -0.70 0.00	21.24 -0.45 0.00	25.00 -0.40 0.00	27.57 -1.53 0.00	39.07 -2.89 0.00	68.79 -5.21 0.00	23.45 -1.98 0.00	18.56 -1.91 0.00	17.69 -1.83 0.00	16.95 -1.52 0.00	14.21 -1.33 0.00	13.24 -1.19 0.00	14.01 -1.06 0.00	12.93 -0.93 0.00	15.76 -1.33 0.00	20.65 -1.80 0.00	33.45 -2.75 0.00	21.46 -1.66 0.00	25.72 -2.18 0.00	19.24 -1.89 0.00	16.94 -1.31 0.00
N.BELMOR_69_KV_BK1 55787	23.00 1.33 0.00	22.84 1.19 0.00	21.83 1.02 0.00	22.16 0.79 0.00	22.46 0.76 0.00	26.40 0.99 0.00	31.03 1.93 0.00	44.95 2.98 0.00	79.16 5.16 0.00	27.12 1.69 0.00	21.93 1.46 0.00	20.79 1.27 0.00	19.51 1.04 0.00	16.37 0.83 0.00	15.26 0.84 0.00	15.95 0.88 0.00	14.79 0.93 0.00	18.22 1.14 0.00	23.99 1.54 0.00	38.91 2.71 0.00	24.78 1.66 0.00	29.68 1.77 0.00	22.53 1.40 0.00	19.40 1.15 0.00
N.E._GEN_SANDY PD 24062	22.28 0.60 -0.01	22.24 0.60 0.00	21.36 0.48 -0.07	21.72 0.30 -0.06	21.93 0.24 0.00	24.76 0.32 0.96	31.23 0.99 -1.15	43.25 1.66 0.39	76.50 3.12 0.62	22.18 0.77 4.01	21.07 0.60 0.00	20.07 0.55 0.00	18.94 0.47 0.00	15.98 0.44 0.00	14.85 0.43 0.00	15.46 0.39 0.00	14.18 0.34 0.01	18.23 0.46 -0.69	23.44 0.76 -0.23	37.49 1.28 0.00	23.81 0.76 0.06	28.97 0.87 -0.19	21.79 0.66 0.00	18.74 0.49 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	22.67 0.99 0.00	22.59 0.94 0.00	21.60 0.79 0.00	21.95 0.59 0.00	22.30 0.61 0.00	26.23 0.82 0.00	30.68 1.58 0.00	44.48 2.51 0.00	78.45 4.45 0.00	26.78 1.35 0.00	21.51 1.04 0.00	20.49 0.96 0.00	19.28 0.81 0.00	16.21 0.67 0.00	15.08 0.65 0.00	15.73 0.67 0.00	14.50 0.65 0.00	17.90 0.82 0.00	23.59 1.14 0.00	38.25 2.05 0.00	24.35 1.23 0.00	29.24 1.34 0.00	22.18 1.05 0.00	19.06 0.81 0.00
N.QUEENS_27_KV_LOAD 356247	22.67 0.99 0.00	22.59 0.94 0.00	21.60 0.79 0.00	21.86 0.50 0.00	22.22 0.53 0.00	26.10 0.70 0.00	30.63 1.53 0.00	44.42 2.46 0.00	78.43 4.43 0.00	26.92 1.49 0.00	21.70 1.24 0.00	20.60 1.08 0.00	19.39 0.92 0.00	16.29 0.75 0.00	15.14 0.72 0.00	15.79 0.73 0.00	14.55 0.69 0.00	17.89 0.81 0.00	23.49 1.04 0.00	38.19 1.98 0.00	24.45 1.33 0.00	29.31 1.41 0.00	22.27 1.14 0.00	19.17 0.91 0.00
N.TROY___115KV_TB1 355778	22.28 0.60 0.00	22.27 0.62 0.00	21.34 0.53 0.00	21.75 0.39 0.00	22.01 0.32 0.00	25.84 0.43 0.00	30.11 1.01 0.00	43.57 1.61 0.00	77.03 3.02 0.00	26.18 0.75 0.00	21.06 0.59 0.00	20.06 0.54 0.00	18.95 0.48 0.00	15.99 0.45 0.00	14.81 0.39 0.00	15.42 0.35 0.00	14.16 0.30 0.00	17.53 0.45 0.00	23.23 0.78 0.00	37.47 1.27 0.00	23.87 0.75 0.00	28.80 0.90 0.00	21.78 0.65 0.00	18.73 0.48 0.00
NARROWS_GT1_1 24228	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
NARROWS_GT1_2 24229	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
NARROWS_GT1_3 24230	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
NARROWS_GT1_4 24231	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
NARROWS_GT1_5 24232	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
NARROWS_GT1_6 24233	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
NARROWS_GT1_7 24234	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00



NARROWS_GT1_8 24235	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
NARROWS_GT2_1 24236	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
NARROWS_GT2_2 24237	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
NARROWS_GT2_3 24238	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
NARROWS_GT2_4 24239	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
NARROWS_GT2_5 24240	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
NARROWS_GT2_6 24241	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
NARROWS_GT2_7 24242	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
NARROWS_GT2_8 24243	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	22.89 1.21 0.00	22.88 1.23 0.00	21.95 1.14 0.00	22.45 1.09 0.00	22.75 1.05 0.00	26.74 1.34 0.00	31.09 2.00 0.00	44.97 3.00 0.00	79.43 5.43 0.00	26.95 1.52 0.00	21.60 1.13 0.00	20.55 1.03 0.00	19.37 0.90 0.00	16.28 0.74 0.00	15.07 0.65 0.00	15.76 0.70 0.00	14.53 0.67 0.00	18.02 0.94 0.00	23.91 1.46 0.00	38.71 2.50 0.00	24.65 1.53 0.00	29.70 1.80 0.00	22.43 1.30 0.00	19.26 1.01 0.00
NCHELSEA_115KV_TR2 355582	22.74 1.06 0.00	22.65 1.00 0.00	21.68 0.87 0.00	22.04 0.68 0.00	22.40 0.70 0.00	26.33 0.92 0.00	30.78 1.69 0.00	44.65 2.69 0.00	78.82 4.82 0.00	26.88 1.45 0.00	21.56 1.10 0.00	20.53 1.01 0.00	19.32 0.85 0.00	16.24 0.70 0.00	15.11 0.69 0.00	15.76 0.69 0.00	14.53 0.67 0.00	17.96 0.88 0.00	23.72 1.27 0.00	38.46 2.25 0.00	24.47 1.35 0.00	29.39 1.49 0.00	22.27 1.14 0.00	19.14 0.89 0.00
NEG CAPITAL___MECHNVIL 23645	22.55 0.87 0.00	22.53 0.89 0.00	21.59 0.78 0.00	22.03 0.67 0.00	22.33 0.64 0.00	26.26 0.85 0.00	30.58 1.49 0.00	44.25 2.29 0.00	78.24 4.24 0.00	26.59 1.16 0.00	21.37 0.90 0.00	20.34 0.82 0.00	19.22 0.75 0.00	16.18 0.64 0.00	14.95 0.53 0.00	15.58 0.52 0.00	14.33 0.47 0.00	17.79 0.71 0.00	23.61 1.16 0.00	38.13 1.93 0.00	24.26 1.14 0.00	29.22 1.31 0.00	22.06 0.92 0.00	18.95 0.70 0.00
NEG CENTRAL_HIGH_ACRES 23767	20.64 -1.04 0.00	20.74 -0.90 0.00	19.99 -0.82 0.00	20.53 -0.83 0.00	21.01 -0.68 0.00	24.67 -0.73 0.00	27.81 -1.29 0.00	39.79 -2.18 0.00	70.06 -3.94 0.00	23.90 -1.53 0.00	19.07 -1.39 0.00	18.20 -1.32 0.00	17.29 -1.18 0.00	14.52 -1.02 0.00	13.52 -0.90 0.00	14.21 -0.86 0.00	13.07 -0.78 0.00	16.13 -0.95 0.00	21.16 -1.29 0.00	34.19 -2.02 0.00	21.86 -1.26 0.00	26.23 -1.67 0.00	19.70 -1.44 0.00	17.16 -1.10 0.00
NEG CENTRAL___DRP 24199	21.50 -0.18 0.00	21.59 -0.06 0.00	20.75 -0.06 0.00	21.22 -0.14 0.00	21.69 0.00 0.00	25.48 0.08 0.00	29.11 0.02 0.00	41.73 -0.23 0.00	73.55 -0.45 0.00	25.02 -0.41 0.00	19.94 -0.53 0.00	19.01 -0.52 0.00	18.00 -0.47 0.00	15.10 -0.44 0.00	14.05 -0.37 0.00	14.71 -0.35 0.00	13.58 -0.28 0.00	16.85 -0.23 0.00	22.15 -0.30 0.00	35.86 -0.34 0.00	22.89 -0.23 0.00	27.45 -0.46 0.00	20.73 -0.41 0.00	17.94 -0.31 0.00
NEG CENTRAL___INDECK 23768	21.43 -0.25 0.00	21.70 0.05 0.00	20.83 0.02 0.00	21.32 -0.04 0.00	21.96 0.27 0.00	25.78 0.38 0.00	29.30 0.21 0.00	42.09 0.12 0.00	73.82 -0.18 0.00	24.54 -0.90 0.00	19.45 -1.01 0.00	18.59 -0.93 0.00	17.64 -0.82 0.00	14.75 -0.79 0.00	13.75 -0.67 0.00	14.50 -0.57 0.00	13.35 -0.51 0.00	16.58 -0.50 0.00	21.87 -0.58 0.00	35.81 -0.39 0.00	22.87 -0.25 0.00	27.41 -0.50 0.00	20.66 -0.48 0.00	17.93 -0.32 0.00



NEG CENTRAL___SENECA 23627	21.42 -0.26 0.00	21.55 -0.09 0.00	20.68 -0.13 0.00	21.15 -0.21 0.00	21.66 -0.04 0.00	25.47 0.07 0.00	29.09 -0.01 0.00	41.62 -0.34 0.00	73.43 -0.58 0.00	24.91 -0.52 0.00	19.78 -0.69 0.00	18.86 -0.66 0.00	17.85 -0.61 0.00	14.96 -0.58 0.00	13.93 -0.50 0.00	14.60 -0.46 0.00	13.49 -0.37 0.00	16.77 -0.31 0.00	22.08 -0.37 0.00	35.75 -0.46 0.00	22.83 -0.29 0.00	27.34 -0.57 0.00	20.64 -0.49 0.00	17.88 -0.37 0.00
NEG CENTRAL___STATE_STREET 24147	21.71 0.03 0.00	21.75 0.10 0.00	20.94 0.13 0.00	21.41 0.05 0.00	21.88 0.19 0.00	25.63 0.22 0.00	29.37 0.27 0.00	42.08 0.11 0.00	74.08 0.08 0.00	25.33 -0.10 0.00	20.32 -0.14 0.00	19.29 -0.23 0.00	18.24 -0.23 0.00	15.34 -0.20 0.00	14.27 -0.15 0.00	14.91 -0.15 0.00	13.77 -0.09 0.00	17.05 -0.03 0.00	22.35 -0.09 0.00	36.29 0.09 0.00	23.15 0.03 0.00	27.77 -0.14 0.00	20.99 -0.14 0.00	18.13 -0.12 0.00
NEG MILLWOOD___DRP 24198	22.81 1.13 0.00	22.73 1.08 0.00	21.74 0.93 0.00	22.10 0.74 0.00	22.46 0.76 0.00	26.41 1.01 0.00	30.91 1.81 0.00	44.86 2.89 0.00	79.18 5.18 0.00	27.02 1.59 0.00	21.69 1.23 0.00	20.65 1.12 0.00	19.42 0.95 0.00	16.32 0.79 0.00	15.18 0.76 0.00	15.84 0.77 0.00	14.60 0.75 0.00	18.04 0.95 0.00	23.80 1.36 0.00	38.62 2.41 0.00	24.58 1.46 0.00	29.51 1.60 0.00	22.35 1.22 0.00	19.21 0.96 0.00
NEG NORTH_FLCN_SEA 23793	-21.14 -0.73 42.09	-21.13 -0.76 42.02	-21.16 -0.70 41.27	-21.19 -0.61 41.95	-21.20 -0.64 42.25	-21.14 -0.81 45.74	-17.63 -1.12 45.61	-1.80 -1.42 42.35	-20.76 -2.70 92.06	-21.08 -0.65 45.86	-21.01 -0.46 41.01	-21.14 -0.47 40.20	-21.14 -0.39 39.22	-21.14 -0.32 36.35	-21.16 -0.35 35.23	-21.23 -0.44 35.86	-21.26 -0.46 34.66	-21.22 -0.61 37.70	-21.17 -0.86 42.75	-21.23 -1.36 56.08	-21.16 -0.71 43.57	-21.15 -0.73 48.32	-21.19 -0.61 41.71	-21.19 -0.57 38.86
NEG NORTH_KES_CHATEGAY 23792	-24.05 -0.88 44.85	-24.06 -0.93 44.77	-24.01 -0.84 43.98	-24.06 -0.72 44.70	-24.07 -0.76 45.01	-24.31 -0.98 48.73	-20.13 -1.37 47.86	-5.02 -1.85 45.13	-27.55 -3.47 98.09	-24.33 -0.89 48.87	-23.20 -0.66 43.00	-23.93 -0.63 42.83	-23.86 -0.54 41.79	-23.64 -0.44 38.74	-23.57 -0.45 37.54	-23.63 -0.50 38.21	-23.55 -0.48 36.93	-23.73 -0.65 40.17	-23.54 -0.91 45.08	-24.97 -1.42 59.76	-24.10 -0.80 46.42	-24.44 -0.86 51.48	-24.01 -0.69 44.45	-23.80 -0.65 41.41
NEG NORTH___ALICE_FALLS 23915	-21.49 -0.64 42.53	-21.48 -0.67 42.45	-21.51 -0.62 41.70	-21.54 -0.52 42.38	-21.55 -0.56 42.68	-21.51 -0.70 46.21	-17.85 -0.97 45.97	-2.00 -1.17 42.80	-21.32 -2.31 93.02	-21.41 -0.50 46.34	-21.21 -0.35 41.33	-21.44 -0.35 40.61	-21.44 -0.28 39.63	-21.44 -0.24 36.73	-21.45 -0.28 35.60	-21.52 -0.36 36.23	-21.53 -0.37 35.02	-21.49 -0.48 38.09	-21.37 -0.69 43.12	-21.49 -1.03 56.66	-21.46 -0.56 44.02	-21.49 -0.57 48.82	-21.51 -0.49 42.15	-21.50 -0.49 39.26
NEG NORTH___LWR_SARANAC 23913	-21.49 -0.64 42.53	-21.48 -0.67 42.45	-21.51 -0.62 41.70	-21.54 -0.52 42.38	-21.55 -0.56 42.68	-21.51 -0.70 46.21	-17.85 -0.97 45.97	-2.00 -1.17 42.80	-21.32 -2.31 93.02	-21.41 -0.50 46.34	-21.21 -0.35 41.33	-21.44 -0.35 40.61	-21.44 -0.28 39.63	-21.44 -0.24 36.73	-21.45 -0.28 35.60	-21.52 -0.36 36.23	-21.53 -0.37 35.02	-21.49 -0.48 38.09	-21.37 -0.69 43.12	-21.49 -1.03 56.66	-21.46 -0.56 44.02	-21.49 -0.57 48.82	-21.51 -0.49 42.15	-21.50 -0.49 39.26
NEG NORTH___PLATTSBURG 23628	-21.49 -0.64 42.53	-21.48 -0.67 42.45	-21.51 -0.62 41.70	-21.54 -0.52 42.38	-21.55 -0.56 42.68	-21.51 -0.70 46.21	-17.85 -0.97 45.97	-2.00 -1.17 42.80	-21.33 -2.32 93.02	-21.41 -0.50 46.34	-21.21 -0.35 41.33	-21.44 -0.35 40.61	-21.45 -0.29 39.63	-21.44 -0.24 36.73	-21.46 -0.29 35.60	-21.53 -0.36 36.23	-21.53 -0.37 35.02	-21.49 -0.48 38.09	-21.37 -0.69 43.12	-21.51 -1.05 56.66	-21.46 -0.56 44.02	-21.49 -0.57 48.82	-21.52 -0.50 42.15	-21.50 -0.49 39.26
NEG WEST_LEA_LOCKPORT 23791	20.07 -1.61 0.00	20.28 -1.37 0.00	19.61 -1.20 0.00	20.22 -1.14 0.00	20.80 -0.90 0.00	24.46 -0.94 0.00	26.80 -2.29 0.00	37.84 -4.12 0.00	66.69 -7.31 0.00	22.81 -2.62 0.00	18.12 -2.34 0.00	17.29 -2.23 0.00	16.56 -1.91 0.00	13.89 -1.65 0.00	12.96 -1.46 0.00	13.69 -1.38 0.00	12.54 -1.32 0.00	15.33 -1.76 0.00	20.06 -2.38 0.00	32.42 -3.78 0.00	20.81 -2.31 0.00	24.98 -2.93 0.00	18.70 -2.44 0.00	16.52 -1.73 0.00
NEG WEST___LANCASTER 23811	21.18 -0.49 0.00	21.39 -0.25 0.00	20.61 -0.20 0.00	21.16 -0.20 0.00	21.71 0.02 0.00	25.56 0.16 0.00	28.35 -0.75 0.00	40.16 -1.81 0.00	71.03 -2.97 0.00	24.21 -1.22 0.00	19.30 -1.17 0.00	18.46 -1.06 0.00	17.66 -0.81 0.00	14.79 -0.75 0.00	13.80 -0.62 0.00	14.54 -0.53 0.00	13.29 -0.56 0.00	16.23 -0.85 0.00	21.28 -1.17 0.00	34.39 -1.81 0.00	22.06 -1.05 0.00	26.49 -1.41 0.00	19.94 -1.19 0.00	17.53 -0.72 0.00
NEG_PENN_ALLEGHNY 23528	21.66 -0.02 0.00	21.66 0.02 0.00	20.80 -0.01 0.00	21.22 -0.14 0.00	21.63 -0.07 0.00	25.44 0.04 0.00	29.20 0.10 0.00	42.30 0.33 0.00	74.29 0.28 0.00	25.23 -0.20 0.00	20.20 -0.27 0.00	19.26 -0.26 0.00	18.22 -0.25 0.00	15.27 -0.27 0.00	14.21 -0.21 0.00	14.88 -0.19 0.00	13.68 -0.18 0.00	16.94 -0.15 0.00	22.29 -0.15 0.00	36.09 -0.11 0.00	23.00 -0.12 0.00	27.62 -0.29 0.00	20.91 -0.22 0.00	18.08 -0.17 0.00
NEG___GEN_MONROE 24207	20.97 -0.70 0.00	21.11 -0.54 0.00	20.36 -0.45 0.00	20.94 -0.42 0.00	21.46 -0.23 0.00	25.24 -0.16 0.00	28.20 -0.89 0.00	40.22 -1.75 0.00	70.77 -3.23 0.00	24.12 -1.31 0.00	19.20 -1.26 0.00	18.30 -1.23 0.00	17.43 -1.04 0.00	14.63 -0.91 0.00	13.63 -0.79 0.00	14.37 -0.70 0.00	13.20 -0.65 0.00	16.23 -0.85 0.00	21.30 -1.15 0.00	34.46 -1.75 0.00	22.05 -1.07 0.00	26.47 -1.43 0.00	19.85 -1.28 0.00	17.36 -0.89 0.00
NEPA___ENERGY 23901	20.60 -1.08 0.00	20.76 -0.89 0.00	19.96 -0.85 0.00	20.40 -0.96 0.00	20.94 -0.75 0.00	24.74 -0.67 0.00	27.68 -1.41 0.00	39.24 -2.73 0.00	69.80 -4.20 0.00	23.59 -1.84 0.00	18.86 -1.61 0.00	18.04 -1.48 0.00	17.17 -1.31 0.00	14.30 -1.24 0.00	13.38 -1.04 0.00	14.11 -0.96 0.00	12.86 -1.00 0.00	15.79 -1.29 0.00	20.74 -1.71 0.00	33.58 -2.63 0.00	21.53 -1.59 0.00	25.73 -2.17 0.00	19.42 -1.72 0.00	17.02 -1.23 0.00
NEVERSINK___HYD 23608	22.91 1.24 0.00	22.83 1.19 0.00	21.85 1.04 0.00	22.24 0.87 0.00	22.62 0.92 0.00	26.61 1.21 0.00	31.05 1.95 0.00	45.04 3.08 0.00	79.52 5.51 0.00	27.13 1.70 0.00	21.61 1.15 0.00	20.70 1.17 0.00	19.38 0.91 0.00	16.24 0.70 0.00	15.12 0.69 0.00	15.76 0.70 0.00	14.56 0.70 0.00	18.03 0.95 0.00	23.84 1.40 0.00	38.80 2.60 0.00	24.71 1.59 0.00	29.67 1.77 0.00	22.46 1.32 0.00	19.31 1.06 0.00
NEWKRMKL_115KV_TB1 55635	22.42 0.74 0.00	22.39 0.75 0.00	21.46 0.65 0.00	21.89 0.53 0.00	22.18 0.49 0.00	26.03 0.63 0.00	30.32 1.23 0.00	43.85 1.88 0.00	77.47 3.46 0.00	26.39 0.96 0.00	21.22 0.76 0.00	20.24 0.71 0.00	19.10 0.63 0.00	16.09 0.55 0.00	14.92 0.50 0.00	15.55 0.49 0.00	14.30 0.44 0.00	17.69 0.60 0.00	23.37 0.93 0.00	37.74 1.53 0.00	24.04 0.92 0.00	28.99 1.08 0.00	21.95 0.82 0.00	18.88 0.63 0.00



NEWTON___FALLS_HYD 23847	25.23 -0.86 -4.41	25.16 -0.89 -4.40	24.21 -0.93 -4.33	24.80 -0.96 -4.40	25.05 -1.07 -4.43	28.87 -1.33 -4.80	26.56 -1.57 0.96	44.30 -2.11 -4.44	79.75 -3.90 -9.65	28.97 -1.26 -4.81	18.23 -1.12 1.11	22.56 -1.18 -4.21	21.43 -1.15 -4.11	18.37 -0.98 -3.81	17.15 -0.96 -3.69	17.83 -1.00 -3.76	16.55 -0.94 -3.63	19.96 -1.07 -3.95	21.97 -1.24 -0.77	40.27 -1.82 -5.88	26.59 -1.10 -4.57	31.65 -1.32 -5.06	24.42 -1.08 -4.37	21.35 -0.97 -4.07
NGRID_A1_DSASP 323792	19.75 -1.93 0.00	19.97 -1.67 0.00	19.35 -1.46 0.00	19.96 -1.40 0.00	20.57 -1.13 0.00	24.12 -1.28 0.00	26.34 -2.76 0.00	37.04 -4.93 0.00	65.11 -8.90 0.00	22.32 -3.11 0.00	17.77 -2.70 0.00	16.98 -2.55 0.00	16.26 -2.21 0.00	13.64 -1.90 0.00	12.72 -1.70 0.00	13.41 -1.66 0.00	12.27 -1.59 0.00	14.99 -2.09 0.00	19.59 -2.85 0.00	31.60 -4.60 0.00	20.27 -2.85 0.00	24.35 -3.56 0.00	18.25 -2.88 0.00	16.22 -2.03 0.00
NGRID_A2_DSASP 323793	19.75 -1.93 0.00	19.97 -1.67 0.00	19.35 -1.46 0.00	19.96 -1.40 0.00	20.57 -1.13 0.00	24.12 -1.28 0.00	26.34 -2.76 0.00	37.04 -4.93 0.00	65.11 -8.90 0.00	22.32 -3.11 0.00	17.77 -2.70 0.00	16.98 -2.55 0.00	16.26 -2.21 0.00	13.64 -1.90 0.00	12.72 -1.70 0.00	13.41 -1.66 0.00	12.27 -1.59 0.00	14.99 -2.09 0.00	19.59 -2.85 0.00	31.60 -4.60 0.00	20.27 -2.85 0.00	24.35 -3.56 0.00	18.25 -2.88 0.00	16.22 -2.03 0.00
NGRID_A4_DSASP 323807	19.75 -1.93 0.00	19.97 -1.67 0.00	19.35 -1.46 0.00	19.96 -1.40 0.00	20.57 -1.13 0.00	24.12 -1.28 0.00	26.34 -2.76 0.00	37.04 -4.93 0.00	65.11 -8.90 0.00	22.32 -3.11 0.00	17.77 -2.70 0.00	16.98 -2.55 0.00	16.26 -2.21 0.00	13.64 -1.90 0.00	12.72 -1.70 0.00	13.41 -1.66 0.00	12.27 -1.59 0.00	14.99 -2.09 0.00	19.59 -2.85 0.00	31.60 -4.60 0.00	20.27 -2.85 0.00	24.35 -3.56 0.00	18.25 -2.88 0.00	16.22 -2.03 0.00
NIAGARA_115E_LBMP 323715	19.73 -1.95 0.00	19.92 -1.72 0.00	19.30 -1.51 0.00	19.92 -1.44 0.00	20.51 -1.18 0.00	24.05 -1.35 0.00	26.31 -2.79 0.00	37.09 -4.88 0.00	65.34 -8.66 0.00	22.39 -3.04 0.00	17.80 -2.67 0.00	17.01 -2.52 0.00	16.28 -2.19 0.00	13.66 -1.88 0.00	12.75 -1.68 0.00	13.45 -1.62 0.00	12.31 -1.55 0.00	15.04 -2.04 0.00	19.67 -2.78 0.00	31.77 -4.44 0.00	20.38 -2.73 0.00	24.46 -3.44 0.00	18.34 -2.79 0.00	16.22 -2.03 0.00
NIAGARA_115W_LBMP 323714	19.71 -1.97 0.00	19.93 -1.72 0.00	19.31 -1.50 0.00	19.93 -1.43 0.00	20.53 -1.17 0.00	24.07 -1.33 0.00	26.28 -2.81 0.00	36.95 -5.02 0.00	64.90 -9.11 0.00	22.26 -3.17 0.00	17.72 -2.75 0.00	16.93 -2.59 0.00	16.21 -2.26 0.00	13.60 -1.94 0.00	12.69 -1.74 0.00	13.38 -1.69 0.00	12.24 -1.62 0.00	14.95 -2.13 0.00	19.54 -2.91 0.00	31.52 -4.68 0.00	20.22 -2.90 0.00	24.28 -3.63 0.00	18.21 -2.92 0.00	16.19 -2.06 0.00
NIAGARA_230_LBMP 323716	19.91 -1.77 0.00	20.13 -1.52 0.00	19.49 -1.32 0.00	20.09 -1.27 0.00	20.69 -1.01 0.00	24.26 -1.14 0.00	26.60 -2.49 0.00	37.56 -4.41 0.00	66.18 -7.83 0.00	22.67 -2.76 0.00	18.05 -2.42 0.00	17.25 -2.28 0.00	16.51 -1.96 0.00	13.85 -1.69 0.00	12.92 -1.50 0.00	13.62 -1.45 0.00	12.47 -1.39 0.00	15.24 -1.84 0.00	19.92 -2.53 0.00	32.15 -4.06 0.00	20.62 -2.50 0.00	24.76 -3.14 0.00	18.56 -2.57 0.00	16.39 -1.86 0.00
NIAGARA___115KV_198_GIBSON 55903	19.73 -1.95 0.00	19.95 -1.69 0.00	19.31 -1.51 0.00	19.93 -1.43 0.00	20.49 -1.20 0.00	24.08 -1.32 0.00	26.28 -2.82 0.00	36.95 -5.02 0.00	64.89 -9.11 0.00	22.25 -3.18 0.00	17.73 -2.74 0.00	16.92 -2.61 0.00	16.21 -2.26 0.00	13.60 -1.94 0.00	12.68 -1.74 0.00	13.38 -1.69 0.00	12.24 -1.62 0.00	14.95 -2.13 0.00	19.54 -2.91 0.00	31.50 -4.71 0.00	20.22 -2.90 0.00	24.27 -3.63 0.00	18.20 -2.93 0.00	16.18 -2.07 0.00
NIAGARA____ 23760	19.91 -1.77 0.00	20.13 -1.52 0.00	19.49 -1.32 0.00	20.09 -1.27 0.00	20.69 -1.01 0.00	24.26 -1.14 0.00	26.60 -2.49 0.00	37.56 -4.41 0.00	66.18 -7.83 0.00	22.67 -2.76 0.00	18.05 -2.42 0.00	17.25 -2.28 0.00	16.51 -1.96 0.00	13.85 -1.69 0.00	12.92 -1.50 0.00	13.62 -1.45 0.00	12.47 -1.39 0.00	15.24 -1.84 0.00	19.92 -2.53 0.00	32.15 -4.06 0.00	20.62 -2.50 0.00	24.76 -3.14 0.00	18.56 -2.57 0.00	16.39 -1.86 0.00
NINE_MILE_1 23575	21.19 -0.49 0.00	21.20 -0.45 0.00	20.39 -0.43 0.00	20.89 -0.48 0.00	21.25 -0.44 0.00	24.85 -0.55 0.00	28.30 -0.79 0.00	40.75 -1.22 0.00	71.83 -2.17 0.00	24.62 -0.81 0.00	19.77 -0.70 0.00	18.88 -0.65 0.00	17.88 -0.59 0.00	15.03 -0.50 0.00	13.97 -0.46 0.00	14.61 -0.46 0.00	13.44 -0.42 0.00	16.58 -0.50 0.00	21.75 -0.70 0.00	35.10 -1.10 0.00	22.42 -0.70 0.00	26.97 -0.93 0.00	20.39 -0.74 0.00	17.67 -0.58 0.00
NINE_MILE_2 23744	21.19 -0.49 0.00	21.20 -0.45 0.00	20.39 -0.42 0.00	20.89 -0.47 0.00	21.25 -0.44 0.00	24.85 -0.55 0.00	28.31 -0.79 0.00	40.75 -1.21 0.00	71.85 -2.15 0.00	24.62 -0.81 0.00	19.78 -0.69 0.00	18.88 -0.65 0.00	17.88 -0.59 0.00	15.04 -0.50 0.00	13.97 -0.45 0.00	14.61 -0.46 0.00	13.44 -0.41 0.00	16.59 -0.49 0.00	21.75 -0.70 0.00	35.11 -1.09 0.00	22.42 -0.70 0.00	26.98 -0.93 0.00	20.40 -0.73 0.00	17.67 -0.58 0.00
NM_CAPITAL___DRP 24208	22.34 0.66 0.00	22.33 0.68 0.00	21.39 0.58 0.00	21.82 0.45 0.00	22.10 0.40 0.00	25.93 0.53 0.00	30.20 1.11 0.00	43.68 1.71 0.00	77.17 3.17 0.00	26.28 0.85 0.00	21.14 0.67 0.00	20.15 0.62 0.00	19.03 0.56 0.00	16.04 0.50 0.00	14.88 0.46 0.00	15.50 0.43 0.00	14.25 0.39 0.00	17.62 0.53 0.00	23.28 0.83 0.00	37.57 1.36 0.00	23.94 0.82 0.00	28.87 0.97 0.00	21.87 0.74 0.00	18.81 0.56 0.00
NM_CENTRAL___DRP 24181	21.51 -0.17 0.00	21.52 -0.12 0.00	20.69 -0.12 0.00	21.18 -0.18 0.00	21.56 -0.14 0.00	25.24 -0.16 0.00	28.74 -0.35 0.00	41.38 -0.59 0.00	72.97 -1.03 0.00	24.98 -0.45 0.00	20.03 -0.44 0.00	19.11 -0.42 0.00	18.09 -0.38 0.00	15.21 -0.33 0.00	14.14 -0.29 0.00	14.78 -0.28 0.00	13.61 -0.24 0.00	16.82 -0.26 0.00	22.06 -0.39 0.00	35.62 -0.59 0.00	22.73 -0.39 0.00	27.35 -0.55 0.00	20.69 -0.44 0.00	17.93 -0.33 0.00
NM_FRONTIER___DRP 24179	19.73 -1.95 0.00	19.95 -1.69 0.00	19.31 -1.51 0.00	19.93 -1.43 0.00	20.49 -1.20 0.00	24.08 -1.32 0.00	26.28 -2.82 0.00	36.95 -5.02 0.00	64.89 -9.11 0.00	22.25 -3.18 0.00	17.73 -2.74 0.00	16.92 -2.61 0.00	16.21 -2.26 0.00	13.60 -1.94 0.00	12.68 -1.74 0.00	13.38 -1.69 0.00	12.24 -1.62 0.00	14.95 -2.13 0.00	19.54 -2.91 0.00	31.50 -4.71 0.00	20.22 -2.90 0.00	24.27 -3.63 0.00	18.20 -2.93 0.00	16.18 -2.07 0.00
NM_ST_REGIS___HYD 24053	32.15 -0.63 -11.10	32.04 -0.68 -11.08	31.06 -0.63 -10.88	31.90 -0.52 -11.06	32.26 -0.57 -11.14	36.63 -0.83 -12.06	30.09 -1.18 -2.17	51.56 -1.57 -11.16	95.26 -3.01 -24.27	36.77 -0.75 -12.09	21.39 -0.61 -1.54	29.52 -0.60 -10.60	28.29 -0.52 -10.34	24.67 -0.45 -9.58	23.22 -0.49 -9.29	24.00 -0.52 -9.45	22.49 -0.50 -9.14	26.38 -0.64 -9.94	26.49 -0.85 -4.90	49.71 -1.27 -14.78	33.93 -0.67 -11.49	39.93 -0.71 -12.74	31.54 -0.59 -11.00	27.96 -0.53 -10.24



NORTHPORT___1 23551	22.94 1.26 0.00	22.74 1.09 0.00	21.76 0.95 0.00	22.08 0.72 0.00	22.30 0.61 0.00	26.12 0.71 0.00	30.71 1.62 0.00	44.44 2.47 0.00	78.45 4.45 0.00	26.87 1.44 0.00	21.80 1.33 0.00	20.66 1.13 0.00	19.40 0.93 0.00	16.27 0.73 0.00	15.18 0.76 0.00	15.89 0.82 0.00	14.77 0.91 0.00	18.15 1.07 0.00	23.83 1.39 0.00	38.57 2.37 0.00	24.59 1.47 0.00	29.45 1.54 0.00	22.44 1.31 0.00	19.37 1.12 0.00
NORTHPORT___2 23552	22.94 1.26 0.00	22.74 1.09 0.00	21.76 0.95 0.00	22.08 0.72 0.00	22.30 0.61 0.00	26.12 0.71 0.00	30.71 1.62 0.00	44.44 2.47 0.00	78.45 4.45 0.00	26.87 1.44 0.00	21.80 1.33 0.00	20.66 1.13 0.00	19.40 0.93 0.00	16.27 0.73 0.00	15.18 0.76 0.00	15.89 0.82 0.00	14.77 0.91 0.00	18.15 1.07 0.00	23.83 1.39 0.00	38.57 2.37 0.00	24.59 1.47 0.00	29.45 1.54 0.00	22.44 1.31 0.00	19.37 1.12 0.00
NORTHPORT___3 23553	22.84 1.16 0.00	22.66 1.02 0.00	21.66 0.85 0.00	21.99 0.62 0.00	22.25 0.55 0.00	26.06 0.66 0.00	30.67 1.58 0.00	44.42 2.45 0.00	78.32 4.31 0.00	26.81 1.38 0.00	21.71 1.25 0.00	20.60 1.07 0.00	19.35 0.88 0.00	16.22 0.68 0.00	15.13 0.70 0.00	15.83 0.77 0.00	14.71 0.85 0.00	18.12 1.04 0.00	23.81 1.36 0.00	38.54 2.34 0.00	24.55 1.43 0.00	29.40 1.50 0.00	22.35 1.22 0.00	19.28 1.03 0.00
NORTHPORT___4 23650	22.84 1.16 0.00	22.66 1.02 0.00	21.66 0.85 0.00	21.99 0.62 0.00	22.25 0.55 0.00	26.06 0.66 0.00	30.67 1.58 0.00	44.42 2.45 0.00	78.32 4.31 0.00	26.81 1.38 0.00	21.71 1.25 0.00	20.60 1.07 0.00	19.35 0.88 0.00	16.22 0.68 0.00	15.13 0.70 0.00	15.83 0.77 0.00	14.71 0.85 0.00	18.12 1.04 0.00	23.81 1.36 0.00	38.54 2.34 0.00	24.55 1.43 0.00	29.40 1.50 0.00	22.35 1.22 0.00	19.28 1.03 0.00
NORTHPORT___IC 23718	22.93 1.26 0.00	22.73 1.09 0.00	21.76 0.95 0.00	22.07 0.71 0.00	22.31 0.62 0.00	26.11 0.71 0.00	30.71 1.62 0.00	44.44 2.47 0.00	78.45 4.45 0.00	26.87 1.44 0.00	21.80 1.33 0.00	20.65 1.13 0.00	19.40 0.93 0.00	16.27 0.73 0.00	15.18 0.76 0.00	15.89 0.82 0.00	14.77 0.91 0.00	18.15 1.07 0.00	23.83 1.39 0.00	38.58 2.37 0.00	24.59 1.47 0.00	29.45 1.55 0.00	22.44 1.31 0.00	19.37 1.12 0.00
NORTH___COUNTRY_ESR 323785	-24.22 -0.99 44.91	-24.22 -1.04 44.83	-24.16 -0.93 44.04	-24.21 -0.81 44.76	-24.24 -0.86 45.07	-24.49 -1.09 48.80	-20.31 -1.50 47.91	-5.26 -2.03 45.19	-28.08 -3.85 98.22	-24.51 -1.00 48.93	-23.32 -0.74 43.05	-24.07 -0.71 42.89	-23.99 -0.61 41.85	-23.77 -0.51 38.79	-23.69 -0.52 37.59	-23.74 -0.55 38.26	-23.65 -0.53 36.98	-23.86 -0.72 40.22	-23.69 -1.01 45.13	-25.25 -1.61 59.84	-24.30 -0.93 46.49	-24.66 -1.01 51.55	-24.18 -0.80 44.51	-23.94 -0.73 41.46
NPX_GEN_1385_PROXY 323591	22.89 1.21 0.00	22.69 1.05 0.00	21.71 0.90 0.00	22.00 0.64 0.00	22.16 0.47 0.00	28.27 0.41 -2.46	30.32 1.22 0.00	45.24 1.91 -1.36	77.72 3.72 0.00	26.55 1.12 0.00	21.37 0.90 0.00	20.14 0.61 0.00	19.10 0.63 0.00	16.16 0.62 0.00	15.08 0.66 0.00	15.78 0.72 0.00	14.62 0.76 0.00	18.05 0.91 -0.06	24.26 1.16 -0.65	37.98 1.77 0.00	24.34 1.22 0.00	29.16 1.26 0.00	22.28 1.15 0.00	19.27 1.02 0.00
NPX_GEN_CSC 323557	22.86 1.19 0.00	22.56 0.92 0.00	21.62 0.81 0.00	21.94 0.57 0.00	22.18 0.49 0.00	28.38 0.52 -2.46	30.73 1.63 0.00	45.72 2.39 -1.36	78.42 4.41 0.00	26.77 1.34 0.00	21.62 1.15 0.00	20.55 1.02 0.00	19.27 0.80 0.00	16.15 0.61 0.00	15.18 0.75 0.00	15.95 0.88 0.00	14.88 1.02 0.00	18.42 1.27 -0.06	24.70 1.61 -0.65	38.81 2.60 0.00	24.72 1.61 0.00	29.55 1.65 0.00	22.49 1.36 0.00	19.36 1.11 0.00
NSINS_S_GLNS_FALLS 23858	22.62 0.95 0.00	22.63 0.99 0.00	21.70 0.89 0.00	22.11 0.75 0.00	22.43 0.74 0.00	26.41 1.01 0.00	30.89 1.80 0.00	44.70 2.74 0.00	79.28 5.28 0.00	26.81 1.38 0.00	21.55 1.09 0.00	20.50 0.98 0.00	19.39 0.93 0.00	16.37 0.83 0.00	15.07 0.65 0.00	15.72 0.65 0.00	14.36 0.50 0.00	17.86 0.78 0.00	23.84 1.40 0.00	38.52 2.31 0.00	24.46 1.34 0.00	29.41 1.51 0.00	22.15 1.02 0.00	18.98 0.73 0.00
NUCOR_STEEL___DRP 24197	21.70 0.02 0.00	21.74 0.09 0.00	20.93 0.12 0.00	21.40 0.04 0.00	21.87 0.18 0.00	25.61 0.20 0.00	29.35 0.25 0.00	42.05 0.08 0.00	74.01 0.00 0.00	25.33 -0.11 0.00	20.27 -0.19 0.00	19.29 -0.23 0.00	18.25 -0.22 0.00	15.35 -0.19 0.00	14.28 -0.14 0.00	14.93 -0.14 0.00	13.77 -0.08 0.00	17.05 -0.03 0.00	22.34 -0.11 0.00	36.28 0.08 0.00	23.14 0.02 0.00	27.76 -0.15 0.00	20.99 -0.14 0.00	18.13 -0.13 0.00
NUMBER_THREE_WT_PWR 323818	23.04 -0.56 -1.93	22.98 -0.59 -1.92	21.97 -0.73 -1.89	22.38 -0.90 -1.92	22.58 -1.05 -1.93	26.31 -1.19 -2.09	27.68 -1.24 0.18	42.29 -1.61 -1.94	75.30 -2.91 -4.21	26.43 -1.10 -2.10	19.13 -1.07 0.26	20.21 -1.16 -1.84	19.08 -1.18 -1.80	16.21 -1.00 -1.66	15.08 -0.96 -1.61	15.73 -0.98 -1.64	14.52 -0.93 -1.59	17.79 -1.02 -1.73	21.91 -1.02 -0.49	37.32 -1.45 -2.57	24.17 -0.94 -1.99	28.88 -1.24 -2.21	22.01 -1.03 -1.91	19.08 -0.95 -1.78
NYISO_LBMP_REFERENCE 24008	21.68 0.00 0.00	21.65 0.00 0.00	20.81 0.00 0.00	21.36 0.00 0.00	21.69 0.00 0.00	25.40 0.00 0.00	29.09 0.00 0.00	41.97 0.00 0.00	74.00 0.00 0.00	25.43 0.00 0.00	20.47 0.00 0.00	19.53 0.00 0.00	18.47 0.00 0.00	15.54 0.00 0.00	14.42 0.00 0.00	15.07 0.00 0.00	13.86 0.00 0.00	17.08 0.00 0.00	22.45 0.00 0.00	36.20 0.00 0.00	23.12 0.00 0.00	27.91 0.00 0.00	21.13 0.00 0.00	18.25 0.00 0.00
NYPA_BRENTWD___GT 24164	23.13 1.46 0.00	22.93 1.28 0.00	21.95 1.14 0.00	22.27 0.91 0.00	22.53 0.83 0.00	26.42 1.02 0.00	31.13 2.04 0.00	44.99 3.02 0.00	79.29 5.29 0.00	27.21 1.78 0.00	22.04 1.57 0.00	20.87 1.35 0.00	19.58 1.11 0.00	16.40 0.86 0.00	15.31 0.89 0.00	16.04 0.97 0.00	14.92 1.07 0.00	18.40 1.31 0.00	24.18 1.73 0.00	39.17 2.96 0.00	24.96 1.84 0.00	29.86 1.96 0.00	22.72 1.59 0.00	19.56 1.31 0.00
NYPA_GOWANUS___GT5 24156	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00
NYPA_GOWANUS___GT6 24157	22.75 1.07 0.00	22.65 1.01 0.00	21.64 0.83 0.00	21.97 0.61 0.00	22.32 0.62 0.00	26.29 0.88 0.00	30.80 1.70 0.00	44.62 2.66 0.00	78.72 4.71 0.00	27.03 1.60 0.00	21.72 1.25 0.00	20.68 1.16 0.00	19.47 0.99 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.89 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.39 0.00	24.54 1.42 0.00	29.42 1.51 0.00	22.33 1.19 0.00	19.19 0.94 0.00



NYPA_HARLEM__RVR__GT1 24160	22.62 0.95 0.00	22.55 0.90 0.00	21.55 0.74 0.00	21.82 0.46 0.00	22.17 0.47 0.00	26.06 0.65 0.00	30.56 1.46 0.00	44.32 2.36 0.00	78.21 4.20 0.00	26.86 1.43 0.00	21.64 1.18 0.00	20.55 1.03 0.00	19.35 0.88 0.00	16.26 0.72 0.01	15.11 0.69 0.00	15.77 0.70 0.00	14.51 0.66 0.01	17.86 0.79 0.01	23.47 1.04 0.01	38.16 1.96 0.00	24.41 1.29 0.00	29.25 1.35 0.00	22.22 1.09 0.00	19.12 0.87 0.00
NYPA_HARLEM__RVR__GT2 24161	22.62 0.95 0.00	22.55 0.90 0.00	21.55 0.74 0.00	21.82 0.46 0.00	22.17 0.47 0.00	26.06 0.65 0.00	30.56 1.46 0.00	44.32 2.36 0.00	78.21 4.20 0.00	26.86 1.43 0.00	21.64 1.18 0.00	20.55 1.03 0.00	19.35 0.88 0.00	16.26 0.72 0.01	15.11 0.69 0.00	15.77 0.70 0.00	14.51 0.66 0.01	17.86 0.79 0.01	23.47 1.04 0.01	38.16 1.96 0.00	24.41 1.29 0.00	29.25 1.35 0.00	22.22 1.09 0.00	19.12 0.87 0.00
NYPA_KENT____GT 24152	22.72 1.04 0.00	22.62 0.97 0.00	21.61 0.80 0.00	21.93 0.57 0.00	22.28 0.58 0.00	26.24 0.83 0.00	30.75 1.66 0.00	44.59 2.63 0.00	78.64 4.64 0.00	26.99 1.57 0.00	21.70 1.24 0.00	20.66 1.14 0.00	19.46 0.99 0.00	16.37 0.83 0.00	15.22 0.79 0.00	15.88 0.81 0.00	14.64 0.78 0.00	18.05 0.97 0.00	23.76 1.31 0.00	38.53 2.33 0.00	24.50 1.38 0.00	29.38 1.47 0.00	22.30 1.16 0.00	19.17 0.93 0.00
NYPA_POUCH1____GT 24155	22.77 1.09 0.00	22.68 1.04 0.00	21.67 0.86 0.00	22.01 0.65 0.00	22.35 0.66 0.00	26.32 0.92 0.00	30.81 1.72 0.00	44.52 2.55 0.00	78.53 4.54 0.01	27.02 1.59 0.00	21.73 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.37 0.83 0.00	15.21 0.79 0.00	15.86 0.79 0.00	14.64 0.78 0.00	18.07 0.99 0.00	23.82 1.38 0.00	38.62 2.41 0.00	24.57 1.45 0.00	29.45 1.55 0.00	22.36 1.23 0.00	19.22 0.97 0.00
NYPA_VERNON____GT2 24162	22.69 1.01 0.00	22.58 0.93 0.00	21.57 0.76 0.00	21.90 0.54 0.00	22.25 0.55 0.00	26.19 0.79 0.00	30.71 1.62 0.00	44.55 2.58 0.00	78.61 4.61 0.00	26.97 1.54 0.00	21.68 1.22 0.00	20.65 1.12 0.00	19.44 0.97 0.00	16.37 0.83 0.00	15.21 0.79 0.00	15.87 0.81 0.00	14.63 0.77 0.00	18.03 0.95 0.00	23.72 1.27 0.00	38.47 2.27 0.00	24.46 1.34 0.00	29.34 1.43 0.00	22.27 1.14 0.00	19.15 0.90 0.00
NYPA_VERNON____GT3 24163	22.69 1.01 0.00	22.58 0.93 0.00	21.57 0.76 0.00	21.90 0.54 0.00	22.25 0.55 0.00	26.19 0.79 0.00	30.71 1.62 0.00	44.55 2.58 0.00	78.61 4.61 0.00	26.97 1.54 0.00	21.68 1.22 0.00	20.65 1.12 0.00	19.44 0.97 0.00	16.37 0.83 0.00	15.21 0.79 0.00	15.87 0.81 0.00	14.63 0.77 0.00	18.03 0.95 0.00	23.72 1.27 0.00	38.47 2.27 0.00	24.46 1.34 0.00	29.34 1.43 0.00	22.27 1.14 0.00	19.15 0.90 0.00
NYPA__ASTORIA_CC1 323568	22.64 0.96 0.00	22.54 0.89 0.00	21.53 0.72 0.00	21.85 0.49 0.00	22.19 0.50 0.00	26.13 0.73 0.00	30.64 1.55 0.00	44.47 2.50 0.00	78.45 4.45 0.00	26.91 1.48 0.00	21.64 1.17 0.00	20.60 1.08 0.00	19.39 0.93 0.00	16.34 0.80 0.00	15.19 0.76 0.00	15.85 0.78 0.00	14.60 0.75 0.00	17.99 0.91 0.00	23.66 1.22 0.00	38.39 2.18 0.00	24.41 1.29 0.00	29.28 1.37 0.00	22.22 1.09 0.00	19.12 0.87 0.00
NYPA__ASTORIA_CC2 323569	22.64 0.96 0.00	22.54 0.89 0.00	21.53 0.72 0.00	21.85 0.49 0.00	22.19 0.50 0.00	26.13 0.73 0.00	30.64 1.55 0.00	44.47 2.50 0.00	78.45 4.45 0.00	26.91 1.48 0.00	21.64 1.17 0.00	20.60 1.08 0.00	19.39 0.93 0.00	16.34 0.80 0.00	15.19 0.76 0.00	15.85 0.78 0.00	14.60 0.75 0.00	17.99 0.91 0.00	23.66 1.22 0.00	38.39 2.18 0.00	24.41 1.29 0.00	29.28 1.37 0.00	22.22 1.09 0.00	19.12 0.87 0.00
NYPA__HOLTSVILL 23794	22.96 1.28 0.00	22.73 1.08 0.00	21.77 0.95 0.00	22.08 0.72 0.00	22.34 0.64 0.00	26.17 0.77 0.00	30.90 1.80 0.00	44.68 2.71 0.00	78.85 4.85 0.00	26.97 1.54 0.00	21.83 1.36 0.00	20.69 1.16 0.00	19.41 0.95 0.00	16.27 0.73 0.00	15.21 0.79 0.00	15.94 0.88 0.00	14.84 0.99 0.00	18.30 1.22 0.00	24.03 1.58 0.00	38.88 2.67 0.00	24.77 1.65 0.00	29.64 1.74 0.00	22.56 1.42 0.00	19.43 1.18 0.00
NYPA__HELLGATE_GT1 24158	22.62 0.95 0.00	22.55 0.90 0.00	21.55 0.74 0.00	21.82 0.46 0.00	22.17 0.47 0.00	26.06 0.65 0.00	30.58 1.49 0.00	44.36 2.39 0.00	78.28 4.28 0.00	26.86 1.43 0.00	21.64 1.18 0.00	20.55 1.03 0.00	19.35 0.88 0.00	16.26 0.72 0.01	15.11 0.69 0.00	15.77 0.70 0.00	14.51 0.66 0.01	17.85 0.78 0.01	23.45 1.02 0.01	38.13 1.93 0.00	24.39 1.27 0.00	29.25 1.35 0.00	22.22 1.09 0.00	19.12 0.87 0.00
NYPA__HELLGATE_GT2 24159	22.62 0.95 0.00	22.55 0.90 0.00	21.55 0.74 0.00	21.82 0.46 0.00	22.17 0.47 0.00	26.06 0.65 0.00	30.58 1.49 0.00	44.36 2.39 0.00	78.28 4.28 0.00	26.86 1.43 0.00	21.64 1.18 0.00	20.55 1.03 0.00	19.35 0.88 0.00	16.26 0.72 0.01	15.11 0.69 0.00	15.77 0.70 0.00	14.51 0.66 0.01	17.85 0.78 0.01	23.45 1.02 0.01	38.13 1.93 0.00	24.39 1.27 0.00	29.25 1.35 0.00	22.22 1.09 0.00	19.12 0.87 0.00
NYS_BARGE__HYD 23848	20.08 -1.60 0.00	20.27 -1.37 0.00	19.63 -1.18 0.00	20.24 -1.12 0.00	20.85 -0.84 0.00	24.48 -0.92 0.00	26.84 -2.25 0.00	37.92 -4.05 0.00	66.81 -7.20 0.00	22.84 -2.59 0.00	18.13 -2.34 0.00	17.32 -2.21 0.00	16.57 -1.90 0.00	13.90 -1.64 0.00	12.97 -1.45 0.00	13.70 -1.37 0.00	12.55 -1.31 0.00	15.34 -1.74 0.00	20.08 -2.36 0.00	32.47 -3.74 0.00	20.84 -2.28 0.00	25.01 -2.89 0.00	18.72 -2.41 0.00	16.54 -1.71 0.00
OAK ORCHARD__HYD 24046	20.87 -0.80 0.00	21.00 -0.65 0.00	20.26 -0.55 0.00	20.83 -0.54 0.00	21.35 -0.34 0.00	25.06 -0.35 0.00	28.06 -1.04 0.00	40.03 -1.93 0.00	70.51 -3.49 0.00	24.06 -1.37 0.00	19.19 -1.27 0.00	18.31 -1.22 0.00	17.44 -1.03 0.00	14.63 -0.91 0.00	13.63 -0.79 0.00	14.34 -0.73 0.00	13.17 -0.68 0.00	16.20 -0.88 0.00	21.25 -1.19 0.00	34.35 -1.86 0.00	21.97 -1.15 0.00	26.38 -1.53 0.00	19.81 -1.32 0.00	17.30 -0.95 0.00
OAKDALE__35_KV_LOAD 356122	21.66 -0.02 0.00	21.67 0.02 0.00	20.81 0.00 0.00	21.23 -0.13 0.00	21.64 -0.06 0.00	25.44 0.04 0.00	29.18 0.08 0.00	42.25 0.28 0.00	74.21 0.21 0.00	25.23 -0.20 0.00	20.20 -0.26 0.00	19.28 -0.24 0.00	18.23 -0.24 0.00	15.28 -0.26 0.00	14.23 -0.20 0.00	14.90 -0.17 0.00	13.69 -0.17 0.00	16.93 -0.15 0.00	22.29 -0.16 0.00	36.06 -0.14 0.00	22.99 -0.13 0.00	27.61 -0.29 0.00	20.91 -0.22 0.00	18.09 -0.16 0.00
OCC_CHEM__DRP 24175	19.76 -1.92 0.00	19.99 -1.65 0.00	19.34 -1.47 0.00	19.96 -1.40 0.00	20.54 -1.16 0.00	24.13 -1.28 0.00	26.33 -2.77 0.00	37.05 -4.92 0.00	65.09 -8.91 0.00	22.32 -3.11 0.00	17.77 -2.70 0.00	16.96 -2.56 0.00	16.25 -2.22 0.00	13.63 -1.90 0.00	12.72 -1.71 0.00	13.41 -1.65 0.00	12.27 -1.59 0.00	14.99 -2.09 0.00	19.59 -2.86 0.00	31.59 -4.61 0.00	20.27 -2.85 0.00	24.34 -3.56 0.00	18.25 -2.88 0.00	16.22 -2.03 0.00



OH_GEN_PROXY 24063	19.98 -1.70 0.00	20.19 -1.45 0.00	19.54 -1.27 0.00	20.14 -1.23 0.00	20.72 -0.97 0.00	45.19 -1.10 -20.88	26.72 -2.38 0.00	39.13 -4.20 -1.36	66.55 -7.45 0.00	22.79 -2.64 0.00	18.15 -2.32 0.00	17.35 -2.18 0.00	16.60 -1.87 0.00	13.92 -1.62 0.00	12.99 -1.44 0.00	13.69 -1.38 0.00	25.71 -1.33 -13.19	27.99 -1.77 -12.67	20.68 -2.42 -0.65	32.32 -3.88 0.00	20.72 -2.40 0.00	24.89 -3.01 0.00	18.66 -2.47 0.00	16.46 -1.79 0.00
OLIN_CORP_DRP 24177	19.79 -1.89 0.00	19.99 -1.66 0.00	19.34 -1.47 0.00	19.96 -1.40 0.00	20.52 -1.17 0.00	24.11 -1.29 0.00	26.37 -2.73 0.00	37.19 -4.77 0.00	65.51 -8.50 0.00	22.45 -2.98 0.00	17.86 -2.61 0.00	17.05 -2.48 0.00	16.32 -2.14 0.00	13.70 -1.84 0.00	12.78 -1.64 0.00	13.49 -1.58 0.00	12.34 -1.51 0.00	15.08 -2.00 0.00	19.72 -2.72 0.00	31.84 -4.36 0.00	20.44 -2.68 0.00	24.53 -3.38 0.00	18.38 -2.76 0.00	16.25 -2.00 0.00
OLIN_CORP_DSASP 323712	19.75 -1.93 0.00	19.97 -1.67 0.00	19.35 -1.46 0.00	19.96 -1.40 0.00	20.57 -1.13 0.00	24.12 -1.28 0.00	26.34 -2.76 0.00	37.04 -4.93 0.00	65.11 -8.90 0.00	22.32 -3.11 0.00	17.77 -2.70 0.00	16.98 -2.55 0.00	16.26 -2.21 0.00	13.64 -1.90 0.00	12.72 -1.70 0.00	13.41 -1.66 0.00	12.27 -1.59 0.00	14.99 -2.09 0.00	19.59 -2.85 0.00	31.60 -4.60 0.00	20.27 -2.85 0.00	24.35 -3.56 0.00	18.25 -2.88 0.00	16.22 -2.03 0.00
ONEIDA_HERK_LFGE 323681	22.69 0.12 -0.89	22.63 0.10 -0.89	21.69 0.01 -0.87	22.17 -0.08 -0.88	22.47 -0.12 -0.89	26.29 -0.08 -0.97	29.38 0.07 -0.21	43.08 0.22 -0.89	76.35 0.40 -1.94	26.44 0.04 -0.97	20.50 -0.13 -0.16	20.18 -0.19 -0.85	19.06 -0.24 -0.83	16.10 -0.21 -0.77	14.96 -0.21 -0.74	15.61 -0.21 -0.76	14.40 -0.19 -0.73	17.78 -0.10 -0.80	22.91 0.04 -0.42	37.55 0.15 -1.18	24.11 0.07 -0.92	28.91 -0.01 -1.02	21.94 -0.08 -0.88	18.96 -0.11 -0.82
ONEIDA___115KV_TB4 55905	22.14 0.47 0.00	22.10 0.46 0.00	21.23 0.42 0.00	21.72 0.35 0.00	22.07 0.38 0.00	25.93 0.53 0.00	29.82 0.73 0.00	43.10 1.14 0.00	76.03 2.02 0.00	26.00 0.57 0.00	20.73 0.26 0.00	19.69 0.17 0.00	18.59 0.12 0.00	15.62 0.08 0.00	14.50 0.07 0.00	15.14 0.07 0.00	13.95 0.09 0.00	17.40 0.32 0.00	22.97 0.52 0.00	37.11 0.90 0.00	23.67 0.55 0.00	28.44 0.53 0.00	21.47 0.34 0.00	18.53 0.28 0.00
ONONDAGA_REF_OCCRA 23987	21.66 -0.02 0.00	21.67 0.03 0.00	20.83 0.02 0.00	21.32 -0.04 0.00	21.70 0.01 0.00	25.42 0.02 0.00	29.00 -0.10 0.00	41.78 -0.19 0.00	73.65 -0.35 0.00	25.18 -0.25 0.00	20.16 -0.31 0.00	19.23 -0.30 0.00	18.20 -0.27 0.00	15.29 -0.24 0.00	14.22 -0.21 0.00	14.87 -0.20 0.00	13.70 -0.16 0.00	16.95 -0.14 0.00	22.25 -0.20 0.00	35.94 -0.26 0.00	22.93 -0.18 0.00	27.59 -0.32 0.00	20.86 -0.27 0.00	18.06 -0.19 0.00
ONONDAGA___COGEN 23986	21.65 -0.03 0.00	21.68 0.04 0.00	20.84 0.03 0.00	21.34 -0.02 0.00	21.73 0.03 0.00	25.46 0.05 0.00	29.04 -0.05 0.00	41.77 -0.19 0.00	73.62 -0.38 0.00	25.18 -0.25 0.00	20.17 -0.30 0.00	19.25 -0.28 0.00	18.22 -0.25 0.00	15.32 -0.22 0.00	14.24 -0.19 0.00	14.89 -0.18 0.00	13.72 -0.14 0.00	16.97 -0.11 0.00	22.27 -0.18 0.00	35.98 -0.23 0.00	22.95 -0.16 0.00	27.59 -0.31 0.00	20.87 -0.27 0.00	18.05 -0.20 0.00
ONTARIO___LFGE 23819	21.41 -0.27 0.00	21.54 -0.11 0.00	20.68 -0.13 0.00	21.15 -0.21 0.00	21.66 -0.03 0.00	25.47 0.07 0.00	29.09 -0.01 0.00	41.63 -0.33 0.00	73.43 -0.57 0.00	24.91 -0.53 0.00	19.78 -0.69 0.00	18.87 -0.66 0.00	17.85 -0.61 0.00	14.96 -0.58 0.00	13.93 -0.49 0.00	14.60 -0.47 0.00	13.49 -0.37 0.00	16.77 -0.31 0.00	22.08 -0.37 0.00	35.76 -0.45 0.00	22.83 -0.29 0.00	27.33 -0.57 0.00	20.64 -0.49 0.00	17.88 -0.37 0.00
ORANGEVILLE_WT_PWR 323706	19.75 -1.93 0.00	19.95 -1.70 0.00	19.24 -1.57 0.00	19.77 -1.59 0.00	20.36 -1.33 0.00	23.93 -1.47 0.00	26.35 -2.75 0.00	37.26 -4.70 0.00	65.98 -8.02 0.00	22.55 -2.88 0.00	17.96 -2.50 0.00	17.15 -2.38 0.00	16.40 -2.07 0.00	13.74 -1.80 0.00	12.83 -1.60 0.00	13.53 -1.54 0.00	12.38 -1.48 0.00	15.18 -1.90 0.00	19.91 -2.54 0.00	32.15 -4.05 0.00	20.69 -2.43 0.00	24.91 -2.99 0.00	18.66 -2.48 0.00	16.46 -1.79 0.00
ORANGEVILLE___ESR 323794	19.75 -1.93 0.00	19.95 -1.70 0.00	19.24 -1.57 0.00	19.77 -1.59 0.00	20.36 -1.33 0.00	23.93 -1.47 0.00	26.35 -2.75 0.00	37.26 -4.70 0.00	65.98 -8.02 0.00	22.55 -2.88 0.00	17.96 -2.50 0.00	17.15 -2.38 0.00	16.40 -2.07 0.00	13.74 -1.80 0.00	12.83 -1.60 0.00	13.53 -1.54 0.00	12.38 -1.48 0.00	15.18 -1.90 0.00	19.91 -2.54 0.00	32.15 -4.05 0.00	20.69 -2.43 0.00	24.91 -2.99 0.00	18.66 -2.48 0.00	16.46 -1.79 0.00
OSWEGATCHIE___HYD 24044	25.23 -0.86 -4.41	25.16 -0.89 -4.40	24.21 -0.93 -4.33	24.79 -0.96 -4.40	25.05 -1.07 -4.43	28.87 -1.33 -4.80	26.56 -1.57 0.96	44.30 -2.11 -4.44	79.75 -3.90 -9.65	28.97 -1.27 -4.81	18.23 -1.13 1.11	22.56 -1.18 -4.21	21.43 -1.15 -4.11	18.37 -0.98 -3.81	17.15 -0.97 -3.69	17.82 -1.00 -3.76	16.55 -0.94 -3.63	19.96 -1.07 -3.95	21.97 -1.24 -0.77	40.26 -1.82 -5.88	26.59 -1.10 -4.57	31.65 -1.32 -5.06	24.42 -1.08 -4.37	21.35 -0.97 -4.07
OSWEGO___5 23606	21.29 -0.39 0.00	21.30 -0.35 0.00	20.48 -0.33 0.00	20.98 -0.38 0.00	21.35 -0.34 0.00	24.98 -0.42 0.00	28.48 -0.62 0.00	41.00 -0.97 0.00	72.27 -1.74 0.00	24.75 -0.68 0.00	19.87 -0.60 0.00	18.97 -0.56 0.00	17.95 -0.51 0.00	15.10 -0.44 0.00	14.03 -0.39 0.00	14.68 -0.39 0.00	13.50 -0.35 0.00	16.67 -0.41 0.00	21.87 -0.57 0.00	35.32 -0.89 0.00	22.54 -0.58 0.00	27.12 -0.78 0.00	20.51 -0.62 0.00	17.76 -0.49 0.00
OSWEGO___6 23613	21.29 -0.39 0.00	21.30 -0.35 0.00	20.48 -0.33 0.00	20.98 -0.38 0.00	21.35 -0.34 0.00	24.98 -0.42 0.00	28.48 -0.62 0.00	41.00 -0.97 0.00	72.27 -1.74 0.00	24.75 -0.68 0.00	19.87 -0.60 0.00	18.97 -0.56 0.00	17.95 -0.51 0.00	15.10 -0.44 0.00	14.03 -0.39 0.00	14.68 -0.39 0.00	13.50 -0.35 0.00	16.67 -0.41 0.00	21.87 -0.57 0.00	35.32 -0.89 0.00	22.54 -0.58 0.00	27.12 -0.78 0.00	20.51 -0.62 0.00	17.76 -0.49 0.00
OUTOKUMPU-AB___DRP 24206	20.24 -1.43 0.00	20.47 -1.18 0.00	19.79 -1.02 0.00	20.40 -0.97 0.00	20.97 -0.72 0.00	24.67 -0.73 0.00	27.06 -2.03 0.00	38.22 -3.75 0.00	67.35 -6.65 0.00	23.06 -2.37 0.00	18.32 -2.14 0.00	17.50 -2.02 0.00	16.73 -1.74 0.00	14.04 -1.50 0.00	13.09 -1.33 0.00	13.81 -1.25 0.00	12.63 -1.23 0.00	15.46 -1.62 0.00	20.25 -2.20 0.00	32.69 -3.51 0.00	20.98 -2.14 0.00	25.18 -2.72 0.00	18.86 -2.27 0.00	16.67 -1.58 0.00
OXBOW___BTM 323836	20.00 -1.68 0.00	20.22 -1.43 0.00	19.58 -1.23 0.00	20.19 -1.17 0.00	20.80 -0.90 0.00	24.40 -1.00 0.00	26.72 -2.38 0.00	37.67 -4.29 0.00	66.31 -7.70 0.00	22.71 -2.72 0.00	18.06 -2.41 0.00	17.26 -2.27 0.00	16.51 -1.96 0.00	13.85 -1.69 0.00	12.92 -1.51 0.00	13.62 -1.45 0.00	12.46 -1.39 0.00	15.24 -1.84 0.00	19.94 -2.51 0.00	32.19 -4.02 0.00	20.65 -2.46 0.00	24.79 -3.11 0.00	18.57 -2.56 0.00	16.46 -1.79 0.00



OXBOW____ 24026	20.01 -1.67 0.00	20.23 -1.41 0.00	19.57 -1.24 0.00	20.19 -1.18 0.00	20.76 -0.93 0.00	24.41 -0.99 0.00	26.71 -2.38 0.00	37.67 -4.30 0.00	66.28 -7.72 0.00	22.71 -2.72 0.00	18.06 -2.40 0.00	17.25 -2.28 0.00	16.50 -1.96 0.00	13.85 -1.69 0.00	12.91 -1.51 0.00	13.62 -1.44 0.00	12.46 -1.40 0.00	15.24 -1.85 0.00	19.94 -2.51 0.00	32.18 -4.03 0.00	20.65 -2.47 0.00	24.79 -3.12 0.00	18.57 -2.56 0.00	16.46 -1.79 0.00
OXY_CHEM_DSASP 323612	19.76 -1.92 0.00	19.99 -1.65 0.00	19.34 -1.47 0.00	19.96 -1.40 0.00	20.54 -1.16 0.00	24.13 -1.28 0.00	26.33 -2.77 0.00	37.05 -4.92 0.00	65.09 -8.91 0.00	22.32 -3.11 0.00	17.77 -2.70 0.00	16.96 -2.56 0.00	16.25 -2.22 0.00	13.63 -1.90 0.00	12.72 -1.71 0.00	13.41 -1.65 0.00	12.27 -1.59 0.00	14.99 -2.09 0.00	19.59 -2.86 0.00	31.59 -4.61 0.00	20.27 -2.85 0.00	24.34 -3.56 0.00	18.25 -2.88 0.00	16.22 -2.03 0.00
OZONE_PARK_ESR 323760	22.89 1.21 0.00	22.77 1.13 0.00	21.74 0.93 0.00	22.09 0.72 0.00	22.44 0.75 0.00	26.43 1.02 0.00	31.00 1.90 0.00	45.04 3.08 0.00	79.36 5.36 0.00	27.20 1.77 0.00	21.87 1.40 0.00	20.84 1.31 0.00	19.62 1.15 0.00	16.49 0.95 0.00	15.32 0.90 0.00	15.98 0.91 0.00	14.74 0.89 0.00	18.18 1.09 0.00	23.91 1.46 0.00	38.86 2.65 0.00	24.70 1.58 0.00	29.62 1.71 0.00	22.47 1.34 0.00	19.32 1.07 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	19.76 -1.92 0.00	19.99 -1.65 0.00	19.34 -1.47 0.00	19.96 -1.40 0.00	20.54 -1.16 0.00	24.13 -1.28 0.00	26.33 -2.77 0.00	37.05 -4.92 0.00	65.09 -8.91 0.00	22.32 -3.11 0.00	17.77 -2.70 0.00	16.96 -2.56 0.00	16.25 -2.22 0.00	13.63 -1.90 0.00	12.72 -1.71 0.00	13.41 -1.65 0.00	12.27 -1.59 0.00	14.99 -2.09 0.00	19.59 -2.86 0.00	31.59 -4.61 0.00	20.27 -2.85 0.00	24.34 -3.56 0.00	18.25 -2.88 0.00	16.22 -2.03 0.00
PACKARD__115KV_DUPONT_184 80571	19.76 -1.92 0.00	19.99 -1.65 0.00	19.34 -1.47 0.00	19.96 -1.40 0.00	20.54 -1.16 0.00	24.13 -1.28 0.00	26.33 -2.77 0.00	37.05 -4.92 0.00	65.09 -8.91 0.00	22.32 -3.11 0.00	17.77 -2.70 0.00	16.96 -2.56 0.00	16.25 -2.22 0.00	13.63 -1.90 0.00	12.72 -1.71 0.00	13.41 -1.65 0.00	12.27 -1.59 0.00	14.99 -2.09 0.00	19.59 -2.86 0.00	31.59 -4.61 0.00	20.27 -2.85 0.00	24.34 -3.56 0.00	18.25 -2.88 0.00	16.22 -2.03 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	22.61 0.93 0.00	22.53 0.88 0.00	21.54 0.72 0.00	21.83 0.47 0.00	22.18 0.49 0.00	26.08 0.68 0.00	30.59 1.49 0.00	44.39 2.43 0.00	78.34 4.34 0.00	26.87 1.44 0.00	21.62 1.15 0.00	20.54 1.02 0.00	19.33 0.86 0.00	16.26 0.72 0.00	15.11 0.69 0.00	15.76 0.70 0.00	14.53 0.67 0.00	17.89 0.81 0.00	23.54 1.10 0.00	38.23 2.03 0.00	24.39 1.27 0.00	29.24 1.34 0.00	22.21 1.08 0.00	19.10 0.85 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	22.68 1.00 0.00	22.64 0.99 0.00	21.66 0.85 0.00	21.95 0.58 0.00	22.34 0.64 0.00	26.29 0.88 0.00	30.88 1.79 0.00	44.82 2.85 0.00	79.04 5.04 0.00	27.07 1.64 0.00	21.72 1.25 0.00	20.61 1.09 0.00	19.40 0.93 0.00	16.32 0.78 0.00	15.16 0.74 0.00	15.82 0.75 0.00	14.58 0.72 0.00	17.91 0.83 0.00	23.54 1.10 0.00	38.23 2.03 0.00	24.43 1.32 0.00	29.29 1.38 0.00	22.24 1.11 0.00	19.12 0.87 0.00
PATROON__115KV_TB1 80586	22.45 0.77 0.00	22.43 0.78 0.00	21.49 0.68 0.00	21.93 0.56 0.00	22.22 0.52 0.00	26.07 0.67 0.00	30.38 1.28 0.00	43.93 1.97 0.00	77.62 3.61 0.00	26.44 1.01 0.00	21.26 0.79 0.00	20.28 0.75 0.00	19.14 0.67 0.00	16.11 0.57 0.00	14.95 0.53 0.00	15.58 0.51 0.00	14.33 0.47 0.00	17.72 0.64 0.00	23.42 0.97 0.00	37.81 1.60 0.00	24.08 0.96 0.00	29.04 1.13 0.00	21.99 0.85 0.00	18.91 0.66 0.00
PATTRSNVILLE__SOLAR 323815	22.36 0.68 0.00	22.33 0.68 0.00	21.42 0.61 0.00	21.90 0.54 0.00	22.24 0.55 0.00	26.11 0.71 0.00	30.20 1.11 0.00	43.66 1.69 0.00	77.02 3.02 0.00	26.30 0.87 0.00	21.13 0.66 0.00	20.14 0.62 0.00	19.02 0.55 0.00	15.95 0.41 0.00	14.77 0.34 0.00	15.41 0.34 0.00	14.16 0.30 0.00	17.56 0.48 0.00	23.23 0.79 0.00	37.61 1.41 0.00	23.96 0.85 0.00	28.85 0.95 0.00	21.82 0.69 0.00	18.79 0.54 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	20.97 -0.71 0.00	21.18 -0.47 0.00	20.41 -0.40 0.00	20.98 -0.38 0.00	21.55 -0.15 0.00	25.36 -0.05 0.00	28.07 -1.03 0.00	39.77 -2.19 0.00	70.30 -3.70 0.00	23.98 -1.45 0.00	19.09 -1.37 0.00	18.26 -1.27 0.00	17.46 -1.01 0.00	14.62 -0.92 0.00	13.64 -0.78 0.00	14.39 -0.68 0.00	13.15 -0.71 0.00	16.07 -1.01 0.00	21.08 -1.37 0.00	34.07 -2.14 0.00	21.87 -1.25 0.00	26.24 -1.66 0.00	19.71 -1.42 0.00	17.34 -0.91 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	22.81 1.13 0.00	22.73 1.08 0.00	21.74 0.93 0.00	22.10 0.74 0.00	22.46 0.76 0.00	26.41 1.01 0.00	30.91 1.81 0.00	44.86 2.89 0.00	79.18 5.18 0.00	27.02 1.59 0.00	21.69 1.23 0.00	20.65 1.12 0.00	19.42 0.95 0.00	16.32 0.79 0.00	15.18 0.76 0.00	15.84 0.77 0.00	14.60 0.75 0.00	18.04 0.95 0.00	23.80 1.36 0.00	38.62 2.41 0.00	24.58 1.46 0.00	29.51 1.60 0.00	22.35 1.22 0.00	19.21 0.96 0.00
PEEKSKILL____ 23653	22.64 0.96 0.00	22.54 0.90 0.00	21.56 0.74 0.00	21.91 0.54 0.00	22.24 0.55 0.00	26.16 0.76 0.00	30.62 1.53 0.00	44.41 2.44 0.00	78.32 4.32 0.00	26.76 1.33 0.00	21.50 1.04 0.00	20.48 0.95 0.00	19.27 0.80 0.00	16.21 0.67 0.00	15.07 0.65 0.00	15.73 0.66 0.00	14.50 0.64 0.00	17.89 0.81 0.00	23.57 1.12 0.00	38.23 2.02 0.00	24.34 1.22 0.00	29.22 1.31 0.00	22.16 1.03 0.00	19.06 0.81 0.00
PGE MADISON__WINDPWR 24146	22.90 1.22 0.00	22.68 1.03 0.00	22.11 1.30 0.00	22.29 0.92 0.00	22.84 1.14 0.00	27.16 1.76 0.00	30.95 1.85 0.00	44.95 2.98 0.00	78.94 4.93 0.00	26.75 1.32 0.00	21.13 0.66 0.00	19.91 0.38 0.00	18.64 0.18 0.00	15.60 0.06 0.00	14.48 0.06 0.00	15.15 0.08 0.00	13.99 0.14 0.00	17.68 0.60 0.00	23.62 1.18 0.00	38.47 2.27 0.00	24.49 1.37 0.00	29.28 1.37 0.00	22.03 0.90 0.00	19.09 0.84 0.00
PIERCEFIELD__HYD 23852	27.53 -0.64 -6.49	27.44 -0.69 -6.48	26.53 -0.65 -6.37	27.29 -0.54 -6.47	27.61 -0.60 -6.52	31.57 -0.89 -7.06	26.26 -1.25 1.59	46.82 -1.68 -6.53	84.97 -3.23 -14.20	31.67 -0.84 -7.07	17.98 -0.69 1.79	25.05 -0.68 -6.20	23.91 -0.61 -6.05	20.62 -0.52 -5.61	19.29 -0.56 -5.43	20.01 -0.59 -5.53	18.64 -0.56 -5.35	22.19 -0.71 -5.82	22.54 -0.92 -1.02	43.47 -1.38 -8.65	29.10 -0.74 -6.72	34.57 -0.79 -7.45	26.92 -0.65 -6.43	23.68 -0.57 -5.99
PINELAWN_CC_1 323563	23.03 1.35 0.00	22.83 1.19 0.00	21.84 1.03 0.00	22.17 0.81 0.00	22.44 0.74 0.00	26.34 0.94 0.00	31.03 1.94 0.00	44.96 2.99 0.00	79.18 5.17 0.00	27.12 1.69 0.00	21.95 1.48 0.00	20.77 1.25 0.00	19.49 1.02 0.00	16.33 0.79 0.00	15.23 0.81 0.00	15.94 0.88 0.00	14.81 0.96 0.00	18.26 1.18 0.00	24.03 1.59 0.00	38.98 2.78 0.00	24.82 1.71 0.00	29.72 1.81 0.00	22.58 1.45 0.00	19.44 1.19 0.00



PJM_GEN_HTP_PROXY 323702	22.68 1.00 0.00	22.57 0.93 0.00	21.55 0.74 0.00	21.89 0.53 0.00	22.24 0.54 0.00	26.19 0.78 0.00	30.70 1.60 0.00	44.44 2.63 0.15	78.55 4.55 0.00	25.87 1.50 1.05	21.64 1.17 0.00	20.63 1.10 0.00	19.42 0.95 0.00	16.32 0.79 0.00	15.18 0.75 0.00	15.83 0.76 0.00	14.60 0.75 0.00	18.60 0.91 -0.60	23.66 1.22 0.00	38.42 2.22 0.00	24.44 1.32 0.00	29.30 1.40 0.00	22.26 1.13 0.00	19.14 0.89 0.00
PJM_GEN_KEystone 24065	21.72 0.04 0.00	21.75 0.10 0.00	20.85 0.04 0.00	21.23 -0.13 0.00	21.64 -0.05 0.00	25.46 0.06 0.00	29.22 0.12 0.00	41.87 0.06 0.15	76.65 0.25 -2.40	22.93 -0.14 2.36	20.27 -0.19 0.00	19.35 -0.17 0.00	18.31 -0.16 0.00	15.36 -0.18 0.00	14.31 -0.11 0.00	14.98 -0.09 0.00	13.75 -0.11 0.00	17.51 -0.18 -0.60	22.24 -0.21 0.00	36.02 -0.18 0.00	22.99 -0.13 0.00	27.63 -0.28 0.00	20.92 -0.21 0.00	18.13 -0.12 0.00
PJM_GEN_NEPTUNE_PROXY 323594	22.79 1.12 0.00	22.64 0.99 0.00	21.64 0.84 0.00	21.98 0.62 0.00	22.26 0.57 0.00	26.14 0.74 0.00	30.73 1.63 0.00	44.35 2.54 0.15	78.46 4.46 0.00	25.82 1.44 1.05	21.70 1.24 0.00	20.61 1.08 0.00	19.36 0.88 0.00	16.25 0.71 0.00	15.14 0.72 0.00	15.83 0.76 0.00	14.67 0.81 0.00	18.68 0.99 -0.60	23.77 1.33 0.00	38.54 2.33 0.00	24.53 1.41 0.00	29.40 1.50 0.00	22.33 1.20 0.00	19.23 0.98 0.00
PJM_GEN_VFT_PROXY 323633	22.55 0.88 0.00	22.45 0.80 0.00	21.44 0.63 0.00	21.77 0.41 0.00	22.11 0.42 0.00	26.04 0.64 0.00	30.53 1.44 0.00	44.19 2.38 0.15	78.10 4.09 0.00	25.71 1.33 1.05	21.50 1.04 0.00	20.50 0.98 0.00	19.30 0.83 0.00	16.23 0.69 0.00	15.09 0.67 0.00	15.74 0.67 0.00	14.52 0.66 0.00	18.50 0.81 -0.60	23.52 1.08 0.00	38.19 1.99 0.00	24.29 1.17 0.00	29.14 1.23 0.00	22.13 1.00 0.00	19.03 0.78 0.00
PLATSBURG_115KV_PMLD1 355749	-21.15 -0.74 42.09	-21.14 -0.77 42.01	-21.17 -0.71 41.27	-21.19 -0.62 41.94	-21.20 -0.66 42.24	-21.15 -0.83 45.73	-17.64 -1.14 45.60	-1.83 -1.45 42.35	-20.81 -2.77 92.04	-21.10 -0.67 45.86	-21.02 -0.48 41.00	-21.15 -0.49 40.19	-21.15 -0.40 39.22	-21.14 -0.34 36.35	-21.15 -0.36 35.22	-21.22 -0.43 35.85	-21.23 -0.44 34.65	-21.19 -0.58 37.69	-21.12 -0.82 42.75	-21.18 -1.31 56.07	-21.17 -0.73 43.56	-21.16 -0.76 48.31	-21.20 -0.63 41.71	-21.19 -0.59 38.85
PLEASANTVLY__LBMP 24000	22.45 0.77 0.00	22.37 0.72 0.00	21.41 0.60 0.00	21.77 0.40 0.00	22.10 0.41 0.00	25.95 0.55 0.00	30.34 1.25 0.00	44.03 2.06 0.00	77.73 3.73 0.00	26.51 1.08 0.00	21.31 0.84 0.00	20.30 0.77 0.00	19.11 0.64 0.00	16.08 0.55 0.00	14.96 0.54 0.00	15.60 0.54 0.00	14.37 0.51 0.00	17.72 0.64 0.00	23.38 0.93 0.00	37.89 1.69 0.00	24.12 1.00 0.00	28.99 1.08 0.00	21.97 0.84 0.00	18.90 0.65 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	22.63 0.95 0.00	22.55 0.90 0.00	21.57 0.76 0.00	21.92 0.56 0.00	22.26 0.57 0.00	26.17 0.77 0.00	30.64 1.54 0.00	44.45 2.48 0.00	78.44 4.43 0.00	26.81 1.38 0.00	21.54 1.08 0.00	20.51 0.99 0.00	19.30 0.83 0.00	16.23 0.69 0.00	15.10 0.68 0.00	15.76 0.69 0.00	14.52 0.67 0.00	17.91 0.83 0.00	23.60 1.16 0.00	38.27 2.06 0.00	24.36 1.24 0.00	29.25 1.34 0.00	22.18 1.05 0.00	19.07 0.82 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	22.63 0.95 0.00	22.55 0.90 0.00	21.57 0.76 0.00	21.92 0.56 0.00	22.26 0.57 0.00	26.17 0.77 0.00	30.64 1.54 0.00	44.45 2.48 0.00	78.44 4.43 0.00	26.81 1.38 0.00	21.54 1.08 0.00	20.51 0.99 0.00	19.30 0.83 0.00	16.23 0.69 0.00	15.10 0.68 0.00	15.76 0.69 0.00	14.52 0.67 0.00	17.91 0.83 0.00	23.60 1.16 0.00	38.27 2.06 0.00	24.36 1.24 0.00	29.25 1.34 0.00	22.18 1.05 0.00	19.07 0.82 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	22.66 0.98 0.00	22.58 0.93 0.00	21.61 0.80 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.23 0.82 0.00	30.68 1.58 0.00	44.52 2.55 0.00	78.61 4.61 0.00	26.79 1.36 0.00	21.49 1.03 0.00	20.47 0.94 0.00	19.25 0.78 0.00	16.18 0.64 0.00	15.05 0.63 0.00	15.70 0.63 0.00	14.47 0.61 0.00	17.88 0.80 0.00	23.65 1.21 0.00	38.35 2.14 0.00	24.40 1.28 0.00	29.31 1.41 0.00	22.20 1.07 0.00	19.09 0.84 0.00
POLETTI____ 23519	22.64 0.96 0.00	22.53 0.89 0.00	21.52 0.71 0.00	21.85 0.49 0.00	22.20 0.51 0.00	26.13 0.73 0.00	30.63 1.54 0.00	44.48 2.52 0.00	78.42 4.41 0.00	26.90 1.47 0.00	21.62 1.15 0.00	20.61 1.08 0.00	19.41 0.94 0.00	16.31 0.77 0.00	15.17 0.75 0.00	15.82 0.75 0.00	14.59 0.73 0.00	17.97 0.89 0.00	23.63 1.19 0.00	38.39 2.19 0.00	24.40 1.28 0.00	29.25 1.35 0.00	22.23 1.10 0.00	19.13 0.88 0.00
POMONA____ESR 323819	22.67 0.99 0.00	22.59 0.94 0.00	21.60 0.79 0.00	21.95 0.59 0.00	22.29 0.60 0.00	26.22 0.82 0.00	30.67 1.58 0.00	44.48 2.51 0.00	78.46 4.45 0.00	26.78 1.35 0.00	21.50 1.04 0.00	20.49 0.96 0.00	19.28 0.81 0.00	16.21 0.67 0.00	15.08 0.65 0.00	15.73 0.67 0.00	14.50 0.65 0.00	17.90 0.82 0.00	23.59 1.14 0.00	38.25 2.05 0.00	24.35 1.23 0.00	29.24 1.34 0.00	22.18 1.05 0.00	19.06 0.81 0.00
PORT_JEFF_3 23555	23.03 1.35 0.00	22.80 1.15 0.00	21.83 1.02 0.00	22.15 0.78 0.00	22.41 0.72 0.00	26.26 0.85 0.00	31.00 1.91 0.00	44.85 2.88 0.00	79.14 5.14 0.00	27.06 1.63 0.00	21.89 1.43 0.00	20.75 1.22 0.00	19.47 1.00 0.00	16.31 0.77 0.00	15.25 0.83 0.00	15.99 0.92 0.00	14.89 1.03 0.00	18.37 1.28 0.00	24.13 1.68 0.00	39.05 2.85 0.00	24.87 1.75 0.00	29.76 1.85 0.00	22.64 1.50 0.00	19.49 1.24 0.00
PORT_JEFF_4 23616	23.03 1.35 0.00	22.80 1.15 0.00	21.83 1.02 0.00	22.15 0.78 0.00	22.41 0.72 0.00	26.26 0.85 0.00	31.00 1.91 0.00	44.85 2.88 0.00	79.14 5.14 0.00	27.06 1.63 0.00	21.89 1.43 0.00	20.75 1.22 0.00	19.47 1.00 0.00	16.31 0.77 0.00	15.25 0.83 0.00	15.99 0.92 0.00	14.89 1.03 0.00	18.37 1.28 0.00	24.13 1.68 0.00	39.05 2.85 0.00	24.87 1.75 0.00	29.76 1.85 0.00	22.64 1.50 0.00	19.49 1.24 0.00
PORT_JEFF_IC 23713	23.03 1.35 0.00	22.79 1.15 0.00	21.82 1.01 0.00	22.13 0.77 0.00	22.41 0.72 0.00	26.25 0.84 0.00	31.01 1.91 0.00	44.84 2.88 0.00	79.14 5.14 0.00	27.06 1.63 0.00	21.90 1.43 0.00	20.74 1.21 0.00	19.47 1.00 0.00	16.30 0.76 0.00	15.25 0.82 0.00	15.99 0.92 0.00	14.89 1.03 0.00	18.37 1.29 0.00	24.14 1.69 0.00	39.06 2.86 0.00	24.88 1.77 0.00	29.77 1.86 0.00	22.64 1.51 0.00	19.49 1.24 0.00
PPL PILGRIM_ST_GT1 24216	23.13 1.46 0.00	22.93 1.28 0.00	21.95 1.14 0.00	22.27 0.91 0.00	22.53 0.83 0.00	26.42 1.02 0.00	31.13 2.04 0.00	44.99 3.02 0.00	79.29 5.29 0.00	27.21 1.78 0.00	22.04 1.57 0.00	20.87 1.35 0.00	19.58 1.11 0.00	16.40 0.86 0.00	15.31 0.89 0.00	16.04 0.97 0.00	14.92 1.07 0.00	18.40 1.31 0.00	24.18 1.73 0.00	39.17 2.96 0.00	24.96 1.84 0.00	29.86 1.96 0.00	22.72 1.59 0.00	19.56 1.31 0.00



PPL PILGRIM_ST_GT2 24217	23.13 1.46 0.00	22.93 1.28 0.00	21.95 1.14 0.00	22.27 0.91 0.00	22.53 0.83 0.00	26.42 1.02 0.00	31.13 2.04 0.00	44.99 3.02 0.00	79.29 5.29 0.00	27.21 1.78 0.00	22.04 1.57 0.00	20.87 1.35 0.00	19.58 1.11 0.00	16.40 0.86 0.00	15.31 0.89 0.00	16.04 0.97 0.00	14.92 1.07 0.00	18.40 1.31 0.00	24.18 1.73 0.00	39.17 2.96 0.00	24.96 1.84 0.00	29.86 1.96 0.00	22.72 1.59 0.00	19.56 1.31 0.00
PPL_SHRM_GT3 24213	22.89 1.21 0.00	22.59 0.94 0.00	21.64 0.83 0.00	21.96 0.59 0.00	22.21 0.51 0.00	25.95 0.55 0.00	30.76 1.67 0.00	44.42 2.45 0.00	78.51 4.51 0.00	26.79 1.36 0.00	21.63 1.16 0.00	20.55 1.03 0.00	19.27 0.80 0.00	16.16 0.62 0.00	15.18 0.75 0.00	15.95 0.88 0.00	14.88 1.02 0.00	18.36 1.28 0.00	24.07 1.63 0.00	38.84 2.64 0.00	24.75 1.63 0.00	29.58 1.68 0.00	22.51 1.38 0.00	19.38 1.13 0.00
PPL_SHRM_GT4 24214	22.89 1.21 0.00	22.59 0.94 0.00	21.64 0.83 0.00	21.96 0.59 0.00	22.21 0.51 0.00	25.95 0.55 0.00	30.76 1.67 0.00	44.42 2.45 0.00	78.51 4.51 0.00	26.79 1.36 0.00	21.63 1.16 0.00	20.55 1.03 0.00	19.27 0.80 0.00	16.16 0.62 0.00	15.18 0.75 0.00	15.95 0.88 0.00	14.88 1.02 0.00	18.36 1.28 0.00	24.07 1.63 0.00	38.84 2.64 0.00	24.75 1.63 0.00	29.58 1.68 0.00	22.51 1.38 0.00	19.38 1.13 0.00
PROJECT___ORANGE 1 24174	21.52 -0.16 0.00	21.54 -0.11 0.00	20.70 -0.10 0.00	21.20 -0.17 0.00	21.57 -0.12 0.00	25.26 -0.14 0.00	28.77 -0.33 0.00	41.42 -0.55 0.00	73.03 -0.97 0.00	25.00 -0.43 0.00	20.04 -0.42 0.00	19.12 -0.40 0.00	18.10 -0.37 0.00	15.22 -0.33 0.00	14.14 -0.28 0.00	14.80 -0.27 0.00	13.62 -0.23 0.00	16.84 -0.25 0.00	22.08 -0.37 0.00	35.64 -0.56 0.00	22.75 -0.37 0.00	27.38 -0.53 0.00	20.70 -0.43 0.00	17.93 -0.32 0.00
PROJECT___ORANGE 2 24166	21.52 -0.16 0.00	21.54 -0.11 0.00	20.70 -0.10 0.00	21.20 -0.17 0.00	21.57 -0.12 0.00	25.26 -0.14 0.00	28.77 -0.33 0.00	41.42 -0.55 0.00	73.03 -0.97 0.00	25.00 -0.43 0.00	20.04 -0.42 0.00	19.12 -0.40 0.00	18.10 -0.37 0.00	15.22 -0.33 0.00	14.14 -0.28 0.00	14.80 -0.27 0.00	13.62 -0.23 0.00	16.84 -0.25 0.00	22.08 -0.37 0.00	35.64 -0.56 0.00	22.75 -0.37 0.00	27.38 -0.53 0.00	20.70 -0.43 0.00	17.93 -0.32 0.00
PUCKETT___SOLAR 323809	21.96 0.29 0.00	21.81 0.17 0.00	21.11 0.30 0.00	21.42 0.06 0.00	21.87 0.17 0.00	25.85 0.44 0.00	29.52 0.42 0.00	42.80 0.83 0.00	75.12 1.12 0.00	25.48 0.05 0.00	20.29 -0.18 0.00	19.27 -0.26 0.00	18.17 -0.30 0.00	15.23 -0.31 0.00	14.15 -0.27 0.00	14.81 -0.26 0.00	13.65 -0.21 0.00	17.00 -0.08 0.00	22.50 0.05 0.00	36.49 0.28 0.00	23.24 0.12 0.00	27.90 0.00 0.00	21.11 -0.03 0.00	18.28 0.03 0.00
PYRITES___HYD 24023	27.37 -0.10 -5.79	27.28 -0.15 -5.78	26.36 -0.13 -5.68	27.16 0.02 -5.77	27.50 -0.01 -5.81	31.53 -0.17 -6.30	26.26 -0.44 2.40	47.30 -0.49 -5.83	85.57 -1.10 -12.67	31.60 -0.14 -6.31	17.74 -0.19 2.53	24.80 -0.26 -5.53	23.61 -0.25 -5.40	20.31 -0.23 -5.00	18.98 -0.29 -4.85	19.70 -0.30 -4.93	18.32 -0.30 -4.77	21.91 -0.36 -5.19	22.31 -0.40 -0.27	43.55 -0.37 -7.72	29.04 -0.07 -5.99	34.57 0.02 -6.65	26.82 -0.06 -5.74	23.54 -0.06 -5.35
QUAKERRD_115KV_BK1 80622	20.55 -1.13 0.00	20.65 -0.99 0.00	19.90 -0.91 0.00	20.44 -0.93 0.00	20.91 -0.79 0.00	24.55 -0.85 0.00	27.63 -1.46 0.00	39.51 -2.46 0.00	69.55 -4.45 0.00	23.76 -1.67 0.00	18.97 -1.50 0.00	18.09 -1.44 0.00	17.20 -1.27 0.00	14.44 -1.10 0.00	13.45 -0.97 0.00	14.14 -0.93 0.00	12.99 -0.86 0.00	16.02 -1.06 0.00	21.02 -1.43 0.00	33.93 -2.27 0.00	21.70 -1.42 0.00	26.04 -1.86 0.00	19.58 -1.55 0.00	17.05 -1.20 0.00
QUENSBRY_115KV_TB8 356137	22.63 0.96 0.00	22.65 1.01 0.00	21.72 0.91 0.00	22.12 0.76 0.00	22.45 0.76 0.00	26.44 1.04 0.00	30.96 1.87 0.00	44.81 2.84 0.00	79.54 5.54 0.00	26.86 1.43 0.00	21.60 1.13 0.00	20.54 1.02 0.00	19.44 0.97 0.00	16.42 0.88 0.00	15.12 0.69 0.00	15.76 0.70 0.00	14.38 0.53 0.00	17.89 0.81 0.00	23.90 1.46 0.00	38.61 2.41 0.00	24.52 1.40 0.00	29.45 1.54 0.00	22.17 1.04 0.00	18.99 0.74 0.00
RAMAPO___LBMP 323565	22.59 0.91 0.00	22.51 0.87 0.00	21.53 0.72 0.00	21.88 0.52 0.00	22.23 0.53 0.00	26.14 0.74 0.00	30.56 1.47 0.00	44.31 2.34 0.00	78.14 4.14 0.00	26.67 1.24 0.00	21.42 0.95 0.00	20.41 0.88 0.00	19.20 0.73 0.00	16.14 0.60 0.00	15.01 0.59 0.00	15.66 0.60 0.00	14.44 0.58 0.00	17.82 0.74 0.00	23.48 1.04 0.00	38.08 1.88 0.00	24.24 1.13 0.00	29.13 1.22 0.00	22.09 0.96 0.00	18.99 0.74 0.00
RANKINE____ 23646	20.44 -1.24 0.00	20.66 -0.99 0.00	19.94 -0.88 0.00	20.51 -0.85 0.00	21.08 -0.61 0.00	24.82 -0.58 0.00	27.36 -1.73 0.00	38.72 -3.25 0.00	68.42 -5.58 0.00	23.36 -2.07 0.00	18.60 -1.87 0.00	17.77 -1.76 0.00	16.99 -1.48 0.00	14.23 -1.31 0.00	13.28 -1.14 0.00	14.01 -1.06 0.00	12.81 -1.05 0.00	15.68 -1.41 0.00	20.55 -1.90 0.00	33.18 -3.02 0.00	21.31 -1.81 0.00	25.57 -2.33 0.00	19.16 -1.97 0.00	16.89 -1.36 0.00
RAVENSWOOD_GT2_1 24244	22.67 0.99 0.00	22.57 0.92 0.00	21.56 0.75 0.00	21.90 0.54 0.00	22.25 0.55 0.00	26.18 0.78 0.00	30.68 1.59 0.00	44.55 2.58 0.00	78.55 4.55 0.00	26.92 1.49 0.00	21.64 1.17 0.00	20.62 1.10 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.18 0.75 0.00	15.84 0.77 0.00	14.60 0.75 0.00	18.00 0.91 0.00	23.67 1.22 0.00	38.42 2.22 0.00	24.44 1.32 0.00	29.31 1.40 0.00	22.25 1.12 0.00	19.13 0.88 0.00
RAVENSWOOD_GT2_2 24245	22.67 0.99 0.00	22.57 0.92 0.00	21.56 0.75 0.00	21.90 0.54 0.00	22.25 0.55 0.00	26.18 0.78 0.00	30.68 1.59 0.00	44.55 2.58 0.00	78.55 4.55 0.00	26.92 1.49 0.00	21.64 1.17 0.00	20.62 1.10 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.18 0.75 0.00	15.84 0.77 0.00	14.60 0.75 0.00	18.00 0.91 0.00	23.67 1.22 0.00	38.42 2.22 0.00	24.44 1.32 0.00	29.31 1.40 0.00	22.25 1.12 0.00	19.13 0.88 0.00
RAVENSWOOD_GT2_3 24246	22.68 1.00 0.00	22.58 0.93 0.00	21.57 0.76 0.00	21.90 0.54 0.00	22.26 0.56 0.00	26.19 0.79 0.00	30.70 1.61 0.00	44.58 2.61 0.00	78.58 4.58 0.00	26.93 1.50 0.00	21.65 1.18 0.00	20.63 1.10 0.00	19.42 0.95 0.00	16.33 0.79 0.00	15.19 0.77 0.00	15.84 0.77 0.00	14.61 0.75 0.00	18.00 0.92 0.00	23.68 1.23 0.00	38.44 2.23 0.00	24.45 1.33 0.00	29.32 1.42 0.00	22.26 1.13 0.00	19.15 0.89 0.00
RAVENSWOOD_GT2_4 24247	22.68 1.00 0.00	22.58 0.93 0.00	21.57 0.76 0.00	21.90 0.54 0.00	22.26 0.56 0.00	26.19 0.79 0.00	30.70 1.61 0.00	44.58 2.61 0.00	78.58 4.58 0.00	26.93 1.50 0.00	21.65 1.18 0.00	20.63 1.10 0.00	19.42 0.95 0.00	16.33 0.79 0.00	15.19 0.77 0.00	15.84 0.77 0.00	14.61 0.75 0.00	18.00 0.92 0.00	23.68 1.23 0.00	38.44 2.23 0.00	24.45 1.33 0.00	29.32 1.42 0.00	22.26 1.13 0.00	19.15 0.89 0.00



RAVENSWOOD_GT3_1 24248	22.67 0.99 0.00	22.57 0.92 0.00	21.56 0.75 0.00	21.90 0.54 0.00	22.25 0.55 0.00	26.18 0.78 0.00	30.68 1.59 0.00	44.55 2.58 0.00	78.55 4.55 0.00	26.92 1.49 0.00	21.64 1.17 0.00	20.62 1.10 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.18 0.75 0.00	15.84 0.77 0.00	14.60 0.75 0.00	18.00 0.92 0.00	23.67 1.22 0.00	38.42 2.22 0.00	24.44 1.32 0.00	29.31 1.40 0.00	22.25 1.12 0.00	19.13 0.88 0.00
RAVENSWOOD_GT3_2 24249	22.67 0.99 0.00	22.57 0.92 0.00	21.56 0.75 0.00	21.90 0.54 0.00	22.25 0.55 0.00	26.18 0.78 0.00	30.68 1.59 0.00	44.55 2.58 0.00	78.55 4.55 0.00	26.92 1.49 0.00	21.64 1.17 0.00	20.62 1.10 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.18 0.75 0.00	15.84 0.77 0.00	14.60 0.75 0.00	18.00 0.92 0.00	23.67 1.22 0.00	38.42 2.22 0.00	24.44 1.32 0.00	29.31 1.40 0.00	22.25 1.12 0.00	19.13 0.88 0.00
RAVENSWOOD_GT3_3 24250	22.70 1.02 0.00	22.60 0.95 0.00	21.59 0.78 0.00	21.93 0.56 0.00	22.28 0.58 0.00	26.21 0.81 0.00	30.73 1.64 0.00	44.62 2.65 0.00	78.66 4.65 0.00	26.96 1.53 0.00	21.67 1.21 0.00	20.65 1.13 0.00	19.44 0.97 0.00	16.35 0.81 0.00	15.21 0.78 0.00	15.86 0.79 0.00	14.63 0.77 0.00	18.02 0.94 0.00	23.70 1.26 0.00	38.48 2.27 0.00	24.47 1.35 0.00	29.35 1.45 0.00	22.28 1.15 0.00	19.16 0.91 0.00
RAVENSWOOD_GT3_4 24251	22.70 1.02 0.00	22.60 0.95 0.00	21.59 0.78 0.00	21.93 0.56 0.00	22.28 0.58 0.00	26.21 0.81 0.00	30.73 1.64 0.00	44.62 2.65 0.00	78.66 4.65 0.00	26.96 1.53 0.00	21.67 1.21 0.00	20.65 1.13 0.00	19.44 0.97 0.00	16.35 0.81 0.00	15.21 0.78 0.00	15.86 0.79 0.00	14.63 0.77 0.00	18.02 0.94 0.00	23.70 1.26 0.00	38.48 2.27 0.00	24.47 1.35 0.00	29.35 1.45 0.00	22.28 1.15 0.00	19.16 0.91 0.00
RAVENSWOOD_GT_1 23729	22.68 1.01 0.00	22.58 0.93 0.00	21.58 0.77 0.00	21.90 0.54 0.00	22.26 0.56 0.00	26.19 0.79 0.00	30.71 1.62 0.00	44.55 2.58 0.00	78.61 4.61 0.00	26.97 1.54 0.00	21.69 1.22 0.00	20.65 1.12 0.00	19.44 0.97 0.00	16.37 0.83 0.00	15.21 0.79 0.00	15.87 0.80 0.00	14.63 0.77 0.00	18.03 0.95 0.00	23.72 1.27 0.00	38.47 2.26 0.00	24.46 1.34 0.00	29.34 1.44 0.00	22.27 1.14 0.00	19.16 0.90 0.00
RAVENSWOOD_GT_10 24258	22.67 1.00 0.00	22.57 0.92 0.00	21.56 0.75 0.00	21.90 0.54 0.00	22.25 0.56 0.00	26.18 0.78 0.00	30.69 1.60 0.00	44.56 2.59 0.00	78.56 4.55 0.00	26.92 1.49 0.00	21.64 1.17 0.00	20.62 1.10 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.18 0.75 0.00	15.84 0.77 0.00	14.60 0.75 0.00	18.00 0.92 0.00	23.67 1.22 0.00	38.42 2.22 0.00	24.44 1.32 0.00	29.31 1.40 0.00	22.26 1.12 0.00	19.13 0.88 0.00
RAVENSWOOD_GT_11 24259	22.67 1.00 0.00	22.57 0.92 0.00	21.56 0.75 0.00	21.90 0.54 0.00	22.25 0.56 0.00	26.18 0.78 0.00	30.69 1.60 0.00	44.56 2.59 0.00	78.56 4.55 0.00	26.92 1.49 0.00	21.64 1.17 0.00	20.62 1.10 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.18 0.75 0.00	15.84 0.77 0.00	14.60 0.75 0.00	18.00 0.92 0.00	23.67 1.22 0.00	38.42 2.22 0.00	24.44 1.32 0.00	29.31 1.40 0.00	22.26 1.12 0.00	19.13 0.88 0.00
RAVENSWOOD_GT_4 24252	22.68 1.00 0.00	22.58 0.93 0.00	21.57 0.76 0.00	21.91 0.55 0.00	22.26 0.57 0.00	26.19 0.79 0.00	30.70 1.61 0.00	44.58 2.61 0.00	78.57 4.57 0.00	26.93 1.50 0.00	21.65 1.18 0.00	20.62 1.10 0.00	19.42 0.95 0.00	16.32 0.78 0.00	15.18 0.75 0.00	15.84 0.77 0.00	14.60 0.75 0.00	18.00 0.92 0.00	23.67 1.22 0.00	38.43 2.23 0.00	24.45 1.33 0.00	29.32 1.42 0.00	22.26 1.13 0.00	19.14 0.89 0.00
RAVENSWOOD_GT_5 24254	22.68 1.00 0.00	22.58 0.93 0.00	21.57 0.76 0.00	21.91 0.55 0.00	22.26 0.57 0.00	26.19 0.79 0.00	30.70 1.61 0.00	44.58 2.61 0.00	78.57 4.57 0.00	26.93 1.50 0.00	21.65 1.18 0.00	20.62 1.10 0.00	19.42 0.95 0.00	16.32 0.78 0.00	15.18 0.75 0.00	15.84 0.77 0.00	14.60 0.75 0.00	18.00 0.92 0.00	23.67 1.22 0.00	38.43 2.23 0.00	24.45 1.33 0.00	29.32 1.42 0.00	22.26 1.13 0.00	19.14 0.89 0.00
RAVENSWOOD_GT_6 24253	22.68 1.00 0.00	22.58 0.93 0.00	21.57 0.76 0.00	21.91 0.55 0.00	22.26 0.57 0.00	26.19 0.79 0.00	30.70 1.61 0.00	44.58 2.61 0.00	78.57 4.57 0.00	26.93 1.50 0.00	21.65 1.18 0.00	20.62 1.10 0.00	19.42 0.95 0.00	16.32 0.78 0.00	15.18 0.75 0.00	15.84 0.77 0.00	14.60 0.75 0.00	18.00 0.92 0.00	23.67 1.22 0.00	38.43 2.23 0.00	24.45 1.33 0.00	29.32 1.42 0.00	22.26 1.13 0.00	19.14 0.89 0.00
RAVENSWOOD_GT_7 24255	22.68 1.00 0.00	22.58 0.93 0.00	21.57 0.76 0.00	21.91 0.55 0.00	22.26 0.57 0.00	26.19 0.79 0.00	30.70 1.61 0.00	44.58 2.61 0.00	78.57 4.57 0.00	26.93 1.50 0.00	21.65 1.18 0.00	20.62 1.10 0.00	19.42 0.95 0.00	16.32 0.78 0.00	15.18 0.75 0.00	15.84 0.77 0.00	14.60 0.75 0.00	18.00 0.92 0.00	23.67 1.22 0.00	38.43 2.23 0.00	24.45 1.33 0.00	29.32 1.42 0.00	22.26 1.13 0.00	19.14 0.89 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	22.67 1.00 0.00	22.57 0.92 0.00	21.56 0.75 0.00	21.90 0.54 0.00	22.25 0.56 0.00	26.18 0.78 0.00	30.69 1.60 0.00	44.56 2.59 0.00	78.56 4.55 0.00	26.92 1.49 0.00	21.64 1.17 0.00	20.62 1.10 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.18 0.75 0.00	15.84 0.77 0.00	14.60 0.75 0.00	18.00 0.92 0.00	23.67 1.22 0.00	38.42 2.22 0.00	24.44 1.32 0.00	29.31 1.40 0.00	22.26 1.12 0.00	19.13 0.88 0.00
RAVENSWOOD_GT_9 24257	22.67 1.00 0.00	22.57 0.92 0.00	21.56 0.75 0.00	21.90 0.54 0.00	22.25 0.56 0.00	26.18 0.78 0.00	30.69 1.60 0.00	44.56 2.59 0.00	78.56 4.55 0.00	26.92 1.49 0.00	21.64 1.17 0.00	20.62 1.10 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.18 0.75 0.00	15.84 0.77 0.00	14.60 0.75 0.00	18.00 0.92 0.00	23.67 1.22 0.00	38.42 2.22 0.00	24.44 1.32 0.00	29.31 1.40 0.00	22.26 1.12 0.00	19.13 0.88 0.00
RAVENSWOOD___1 23533	22.65 0.97 0.00	22.54 0.89 0.00	21.53 0.72 0.00	21.86 0.50 0.00	22.21 0.51 0.00	26.14 0.73 0.00	30.65 1.55 0.00	44.49 2.52 0.00	78.46 4.45 0.00	26.91 1.48 0.00	21.63 1.17 0.00	20.60 1.08 0.00	19.40 0.93 0.00	16.33 0.79 0.00	15.19 0.76 0.00	15.84 0.78 0.00	14.60 0.75 0.00	18.00 0.91 0.00	23.67 1.22 0.00	38.40 2.19 0.00	24.42 1.30 0.00	29.28 1.38 0.00	22.23 1.10 0.00	19.12 0.87 0.00
RAVENSWOOD___2 23534	22.65 0.97 0.00	22.54 0.89 0.00	21.53 0.72 0.00	21.86 0.50 0.00	22.21 0.51 0.00	26.14 0.73 0.00	30.65 1.55 0.00	44.49 2.52 0.00	78.46 4.45 0.00	26.91 1.48 0.00	21.63 1.17 0.00	20.60 1.08 0.00	19.40 0.93 0.00	16.33 0.79 0.00	15.19 0.76 0.00	15.84 0.78 0.00	14.60 0.75 0.00	18.00 0.91 0.00	23.67 1.22 0.00	38.40 2.19 0.00	24.42 1.30 0.00	29.28 1.38 0.00	22.23 1.10 0.00	19.12 0.87 0.00



RAVENSWOOD___3 23535	22.68 1.00 0.00	22.57 0.93 0.00	21.56 0.75 0.00	21.90 0.54 0.00	22.24 0.55 0.00	26.18 0.78 0.00	30.68 1.59 0.00	44.55 2.58 0.00	78.56 4.56 0.00	26.92 1.49 0.00	21.64 1.18 0.00	20.62 1.10 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.18 0.76 0.00	15.83 0.77 0.00	14.60 0.75 0.00	18.00 0.92 0.00	23.67 1.22 0.00	38.42 2.22 0.00	24.44 1.32 0.00	29.31 1.40 0.00	22.25 1.12 0.00	19.13 0.88 0.00
RAVENSWOOD___4 23820	22.65 0.97 0.00	22.54 0.89 0.00	21.53 0.72 0.00	21.86 0.50 0.00	22.21 0.51 0.00	26.14 0.73 0.00	30.65 1.55 0.00	44.49 2.52 0.00	78.46 4.45 0.00	26.91 1.48 0.00	21.63 1.17 0.00	20.60 1.08 0.00	19.40 0.93 0.00	16.33 0.79 0.00	15.19 0.76 0.00	15.84 0.78 0.00	14.60 0.75 0.00	18.00 0.91 0.00	23.67 1.22 0.00	38.40 2.19 0.00	24.42 1.30 0.00	29.28 1.38 0.00	22.23 1.10 0.00	19.12 0.87 0.00
RCPL_TRUST___DRP 24196	22.70 1.02 0.00	22.59 0.95 0.00	21.57 0.76 0.00	21.91 0.55 0.00	22.26 0.57 0.00	26.21 0.81 0.00	30.73 1.64 0.00	44.65 2.69 0.00	78.69 4.68 0.00	26.97 1.54 0.00	21.67 1.21 0.00	20.66 1.14 0.00	19.45 0.99 0.00	16.35 0.81 0.00	15.20 0.78 0.00	15.86 0.79 0.00	14.63 0.77 0.00	18.02 0.94 0.00	23.69 1.24 0.00	38.47 2.27 0.00	24.47 1.35 0.00	29.34 1.43 0.00	22.28 1.15 0.00	19.16 0.91 0.00
RED___ROCHESTER 323720	20.99 -0.68 0.00	21.11 -0.54 0.00	20.37 -0.44 0.00	20.93 -0.43 0.00	21.46 -0.23 0.00	25.20 -0.20 0.00	28.23 -0.86 0.00	40.31 -1.66 0.00	70.99 -3.01 0.00	24.21 -1.22 0.00	19.31 -1.16 0.00	18.42 -1.11 0.00	17.53 -0.94 0.00	14.72 -0.82 0.00	13.71 -0.71 0.00	14.43 -0.64 0.00	13.25 -0.61 0.00	16.31 -0.77 0.00	21.40 -1.04 0.00	34.59 -1.62 0.00	22.13 -0.99 0.00	26.57 -1.34 0.00	19.94 -1.19 0.00	17.40 -0.85 0.00
REGAN___SOLAR 323812	23.68 2.00 0.00	23.66 2.02 0.00	22.73 1.92 0.00	23.26 1.90 0.00	23.68 1.99 0.00	27.92 2.51 0.00	32.29 3.19 0.00	46.62 4.65 0.00	81.92 7.91 0.00	28.01 2.58 0.00	22.22 1.75 0.00	21.27 1.75 0.00	20.10 1.63 0.00	16.44 0.90 0.00	15.11 0.69 0.00	15.80 0.73 0.00	14.60 0.75 0.00	18.37 1.29 0.00	24.60 2.15 0.00	40.25 4.05 0.00	25.65 2.53 0.00	30.73 2.83 0.00	23.15 2.02 0.00	19.93 1.68 0.00
RENSSELAER___COGEN 23796	22.33 0.66 0.00	22.31 0.66 0.00	21.38 0.57 0.00	21.81 0.44 0.00	22.09 0.40 0.00	25.93 0.52 0.00	30.18 1.09 0.00	43.64 1.67 0.00	77.11 3.11 0.00	26.27 0.84 0.00	21.11 0.65 0.00	20.13 0.61 0.00	19.01 0.54 0.00	16.01 0.47 0.00	14.86 0.44 0.00	15.49 0.42 0.00	14.24 0.38 0.00	17.60 0.52 0.00	23.26 0.82 0.00	37.55 1.35 0.00	23.93 0.81 0.00	28.86 0.96 0.00	21.86 0.72 0.00	18.80 0.55 0.00
REPUBLIC_115KV_BARTNBRK 55605	23.15 1.48 0.00	23.27 1.63 0.00	22.33 1.52 0.00	22.64 1.27 0.00	23.02 1.32 0.00	27.19 1.79 0.00	32.23 3.14 0.00	46.59 4.62 0.00	83.07 9.07 0.00	27.74 2.30 0.00	22.22 1.75 0.00	21.06 1.54 0.00	19.97 1.50 0.00	17.04 1.50 0.00	15.76 1.34 0.00	16.37 1.30 0.00	14.85 0.99 0.00	18.50 1.42 0.00	25.00 2.55 0.00	40.29 4.08 0.00	25.55 2.43 0.00	30.43 2.53 0.00	22.80 1.67 0.00	19.47 1.23 0.00
REVERE_CPPR_DRP 24186	22.27 0.60 0.00	22.22 0.57 0.00	21.32 0.51 0.00	21.80 0.44 0.00	22.15 0.45 0.00	26.03 0.63 0.00	29.72 0.89 0.26	43.36 1.40 0.00	76.52 2.52 0.00	26.19 0.76 0.00	20.63 0.41 0.25	19.80 0.28 0.00	18.68 0.21 0.00	15.70 0.16 0.00	14.56 0.14 0.00	15.21 0.15 0.00	14.02 0.16 0.00	17.51 0.43 0.00	22.99 0.71 0.17	37.41 1.21 0.00	23.85 0.74 0.00	28.65 0.75 0.00	21.61 0.48 0.00	18.62 0.37 0.00
REYNOLDS_115KV_TB3 80639	22.30 0.62 0.00	22.28 0.63 0.00	21.35 0.53 0.00	21.77 0.40 0.00	22.03 0.34 0.00	25.85 0.44 0.00	30.11 1.02 0.00	43.53 1.57 0.00	76.90 2.90 0.00	26.18 0.75 0.00	21.06 0.60 0.00	20.07 0.55 0.00	18.96 0.49 0.00	16.00 0.46 0.00	14.84 0.42 0.00	15.46 0.39 0.00	14.20 0.35 0.00	17.55 0.47 0.00	23.20 0.76 0.00	37.43 1.23 0.00	23.86 0.74 0.00	28.79 0.88 0.00	21.81 0.68 0.00	18.76 0.51 0.00
RIVERBAY____ 323610	22.68 1.00 0.00	22.64 0.99 0.00	21.66 0.85 0.00	21.95 0.58 0.00	22.34 0.64 0.00	26.29 0.88 0.00	30.88 1.79 0.00	44.82 2.85 0.00	79.04 5.04 0.00	27.07 1.64 0.00	21.72 1.25 0.00	20.61 1.09 0.00	19.40 0.93 0.00	16.32 0.78 0.00	15.16 0.74 0.00	15.82 0.75 0.00	14.58 0.72 0.00	17.91 0.83 0.00	23.54 1.10 0.00	38.23 2.03 0.00	24.43 1.32 0.00	29.29 1.38 0.00	22.24 1.11 0.00	19.12 0.87 0.00
RIVERSDE_115KV_TB3 55908	22.34 0.66 0.00	22.33 0.68 0.00	21.39 0.58 0.00	21.82 0.45 0.00	22.10 0.40 0.00	25.93 0.53 0.00	30.20 1.11 0.00	43.68 1.71 0.00	77.17 3.17 0.00	26.28 0.85 0.00	21.14 0.67 0.00	20.15 0.62 0.00	19.03 0.56 0.00	16.04 0.50 0.00	14.88 0.46 0.00	15.50 0.43 0.00	14.25 0.39 0.00	17.62 0.53 0.00	23.28 0.83 0.00	37.57 1.36 0.00	23.94 0.82 0.00	28.87 0.97 0.00	21.87 0.74 0.00	18.81 0.56 0.00
ROARING___BROOK_WT_PWR 323790	21.29 -0.39 0.00	21.20 -0.44 0.00	20.34 -0.47 0.00	20.90 -0.46 0.00	21.15 -0.55 0.00	24.70 -0.71 0.00	12.59 -0.91 15.59	40.68 -1.28 0.00	71.56 -2.44 0.00	24.65 -0.78 0.00	5.15 -0.63 14.69	18.91 -0.61 0.00	17.91 -0.56 0.00	15.08 -0.46 0.00	13.97 -0.45 0.00	14.61 -0.46 0.00	13.42 -0.44 0.00	16.50 -0.58 0.00	11.59 -0.76 10.09	34.93 -1.27 0.00	22.32 -0.80 0.00	26.99 -0.92 0.00	20.46 -0.67 0.00	17.70 -0.55 0.00
ROCHESRG_115KV_T4 355643	20.79 -0.88 0.00	20.92 -0.73 0.00	20.17 -0.65 0.00	20.73 -0.63 0.00	21.23 -0.47 0.00	24.93 -0.47 0.00	27.91 -1.19 0.00	39.82 -2.14 0.00	70.12 -3.88 0.00	23.95 -1.48 0.00	19.11 -1.35 0.00	18.23 -1.30 0.00	17.36 -1.11 0.00	14.57 -0.97 0.00	13.58 -0.85 0.00	14.28 -0.79 0.00	13.11 -0.75 0.00	16.13 -0.95 0.00	21.15 -1.30 0.00	34.16 -2.05 0.00	21.85 -1.27 0.00	26.26 -1.65 0.00	19.72 -1.41 0.00	17.22 -1.03 0.00
ROCHESTER_9_IC 23652	20.91 -0.77 0.00	21.03 -0.61 0.00	20.28 -0.53 0.00	20.84 -0.52 0.00	21.34 -0.35 0.00	25.09 -0.32 0.00	28.09 -1.01 0.00	40.09 -1.88 0.00	70.60 -3.40 0.00	24.09 -1.34 0.00	19.22 -1.24 0.00	18.33 -1.20 0.00	17.46 -1.01 0.00	14.65 -0.89 0.00	13.65 -0.77 0.00	14.37 -0.70 0.00	13.19 -0.67 0.00	16.23 -0.85 0.00	21.29 -1.16 0.00	34.39 -1.82 0.00	22.00 -1.12 0.00	26.42 -1.48 0.00	19.83 -1.30 0.00	17.32 -0.93 0.00
ROCKVIEW_13_KV_LD 356306	22.74 1.07 0.00	22.64 1.00 0.00	21.65 0.84 0.00	22.00 0.63 0.00	22.35 0.65 0.00	26.28 0.88 0.00	30.78 1.68 0.00	44.66 2.69 0.00	78.77 4.77 0.00	26.94 1.51 0.00	21.67 1.20 0.00	20.63 1.10 0.00	19.41 0.94 0.00	16.32 0.78 0.00	15.19 0.76 0.00	15.84 0.78 0.00	14.61 0.76 0.00	18.01 0.93 0.00	23.72 1.27 0.00	38.48 2.27 0.00	24.49 1.37 0.00	29.39 1.49 0.00	22.29 1.16 0.00	19.17 0.92 0.00



ROME____115KV_TB2 80656	22.27 0.60 0.00	22.22 0.57 0.00	21.32 0.51 0.00	21.80 0.44 0.00	22.15 0.45 0.00	26.03 0.63 0.00	29.72 0.89 0.26	43.36 1.40 0.00	76.52 2.52 0.00	26.19 0.76 0.00	20.63 0.41 0.25	19.80 0.28 0.00	18.68 0.21 0.00	15.70 0.16 0.00	14.56 0.14 0.00	15.21 0.15 0.00	14.02 0.16 0.00	17.51 0.43 0.00	22.99 0.71 0.17	37.41 1.21 0.00	23.85 0.74 0.00	28.65 0.75 0.00	21.61 0.48 0.00	18.62 0.37 0.00
ROSETON____1 23587	22.45 0.78 0.00	22.39 0.74 0.00	21.42 0.61 0.00	21.79 0.42 0.00	22.12 0.42 0.00	25.98 0.58 0.00	30.35 1.26 0.00	44.01 2.05 0.00	77.69 3.69 0.00	26.51 1.08 0.00	21.31 0.84 0.00	20.30 0.77 0.00	19.10 0.64 0.00	16.08 0.54 0.00	14.96 0.53 0.00	15.60 0.53 0.00	14.37 0.51 0.00	17.73 0.64 0.00	23.38 0.93 0.00	37.88 1.68 0.00	24.12 1.00 0.00	28.98 1.08 0.00	21.97 0.84 0.00	18.90 0.65 0.00
ROSETON____2 23588	22.45 0.78 0.00	22.39 0.74 0.00	21.42 0.61 0.00	21.79 0.42 0.00	22.12 0.42 0.00	25.98 0.58 0.00	30.35 1.26 0.00	44.01 2.05 0.00	77.69 3.69 0.00	26.51 1.08 0.00	21.31 0.84 0.00	20.30 0.77 0.00	19.10 0.64 0.00	16.08 0.54 0.00	14.96 0.53 0.00	15.60 0.53 0.00	14.37 0.51 0.00	17.73 0.64 0.00	23.38 0.93 0.00	37.88 1.68 0.00	24.12 1.00 0.00	28.98 1.08 0.00	21.97 0.84 0.00	18.90 0.65 0.00
ROTTRDAM_115KV_TB3 80664	22.23 0.56 0.00	22.21 0.56 0.00	21.30 0.49 0.00	21.76 0.39 0.00	22.08 0.39 0.00	25.91 0.51 0.00	30.03 0.93 0.00	43.40 1.44 0.00	76.65 2.65 0.00	26.16 0.73 0.00	21.02 0.56 0.00	20.05 0.52 0.00	18.93 0.46 0.00	15.92 0.38 0.00	14.75 0.33 0.00	15.39 0.32 0.00	14.15 0.29 0.00	17.52 0.43 0.00	23.14 0.69 0.00	37.40 1.20 0.00	23.82 0.70 0.00	28.70 0.80 0.00	21.71 0.58 0.00	18.70 0.45 0.00
RUSSELL____1 23602	21.00 -0.68 0.00	21.12 -0.52 0.00	20.37 -0.45 0.00	20.93 -0.43 0.00	21.44 -0.25 0.00	25.20 -0.20 0.00	28.23 -0.86 0.00	40.31 -1.65 0.00	70.99 -3.02 0.00	24.20 -1.23 0.00	19.31 -1.15 0.00	18.41 -1.11 0.00	17.53 -0.94 0.00	14.71 -0.83 0.00	13.71 -0.71 0.00	14.43 -0.64 0.00	13.25 -0.61 0.00	16.31 -0.77 0.00	21.40 -1.05 0.00	34.58 -1.62 0.00	22.12 -1.00 0.00	26.56 -1.34 0.00	19.93 -1.20 0.00	17.40 -0.86 0.00
RUSSELL____2 23532	21.00 -0.68 0.00	21.12 -0.52 0.00	20.37 -0.45 0.00	20.93 -0.43 0.00	21.44 -0.25 0.00	25.20 -0.20 0.00	28.23 -0.86 0.00	40.31 -1.65 0.00	70.99 -3.02 0.00	24.20 -1.23 0.00	19.31 -1.15 0.00	18.41 -1.11 0.00	17.53 -0.94 0.00	14.71 -0.83 0.00	13.71 -0.71 0.00	14.43 -0.64 0.00	13.25 -0.61 0.00	16.31 -0.77 0.00	21.40 -1.05 0.00	34.58 -1.62 0.00	22.12 -1.00 0.00	26.56 -1.34 0.00	19.93 -1.20 0.00	17.40 -0.86 0.00
RUSSELL____3 23549	21.00 -0.68 0.00	21.12 -0.52 0.00	20.37 -0.45 0.00	20.93 -0.43 0.00	21.44 -0.25 0.00	25.20 -0.20 0.00	28.23 -0.86 0.00	40.31 -1.65 0.00	70.99 -3.02 0.00	24.20 -1.23 0.00	19.31 -1.15 0.00	18.41 -1.11 0.00	17.53 -0.94 0.00	14.71 -0.83 0.00	13.71 -0.71 0.00	14.43 -0.64 0.00	13.25 -0.61 0.00	16.31 -0.77 0.00	21.40 -1.05 0.00	34.58 -1.62 0.00	22.12 -1.00 0.00	26.56 -1.34 0.00	19.93 -1.20 0.00	17.40 -0.86 0.00
RUSSELL____4 23556	21.00 -0.68 0.00	21.12 -0.52 0.00	20.37 -0.45 0.00	20.93 -0.43 0.00	21.44 -0.25 0.00	25.20 -0.20 0.00	28.23 -0.86 0.00	40.31 -1.65 0.00	70.99 -3.02 0.00	24.20 -1.23 0.00	19.31 -1.15 0.00	18.41 -1.11 0.00	17.53 -0.94 0.00	14.71 -0.83 0.00	13.71 -0.71 0.00	14.43 -0.64 0.00	13.25 -0.61 0.00	16.31 -0.77 0.00	21.40 -1.05 0.00	34.58 -1.62 0.00	22.12 -1.00 0.00	26.56 -1.34 0.00	19.93 -1.20 0.00	17.40 -0.86 0.00
RUSSELL____STATION 23914	21.00 -0.68 0.00	21.12 -0.52 0.00	20.37 -0.45 0.00	20.93 -0.43 0.00	21.44 -0.25 0.00	25.20 -0.20 0.00	28.23 -0.86 0.00	40.31 -1.65 0.00	70.99 -3.02 0.00	24.20 -1.23 0.00	19.31 -1.15 0.00	18.41 -1.11 0.00	17.53 -0.94 0.00	14.71 -0.83 0.00	13.71 -0.71 0.00	14.43 -0.64 0.00	13.25 -0.61 0.00	16.31 -0.77 0.00	21.40 -1.05 0.00	34.58 -1.62 0.00	22.12 -1.00 0.00	26.56 -1.34 0.00	19.93 -1.20 0.00	17.40 -0.86 0.00
S SALMON____HYD 24043	21.12 -0.55 0.00	21.14 -0.51 0.00	20.28 -0.54 0.00	20.71 -0.65 0.00	21.02 -0.68 0.00	24.63 -0.78 0.00	27.47 -0.95 0.67	40.61 -1.36 0.00	71.66 -2.34 0.00	24.48 -0.95 0.00	18.92 -0.91 0.64	18.57 -0.96 0.00	17.46 -1.01 0.00	14.68 -0.85 0.00	13.63 -0.80 0.00	14.25 -0.82 0.00	13.13 -0.73 0.00	16.31 -0.78 0.00	21.11 -0.89 0.44	34.93 -1.27 0.00	22.30 -0.82 0.00	26.80 -1.11 0.00	20.22 -0.92 0.00	17.47 -0.78 0.00
S.PERRY__115KV_TB1 80734	21.44 -0.24 0.00	21.71 0.06 0.00	20.83 0.02 0.00	21.32 -0.04 0.00	21.95 0.25 0.00	25.79 0.38 0.00	29.30 0.21 0.00	42.08 0.11 0.00	73.82 -0.19 0.00	24.53 -0.90 0.00	19.45 -1.01 0.00	18.59 -0.93 0.00	17.64 -0.83 0.00	14.75 -0.79 0.00	13.75 -0.67 0.00	14.50 -0.56 0.00	13.35 -0.51 0.00	16.58 -0.50 0.00	21.87 -0.58 0.00	35.80 -0.40 0.00	22.87 -0.25 0.00	27.41 -0.50 0.00	20.65 -0.48 0.00	17.94 -0.32 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	20.22 -1.45 0.00	20.44 -1.21 0.00	19.75 -1.06 0.00	20.34 -1.02 0.00	20.91 -0.78 0.00	24.60 -0.81 0.00	27.04 -2.06 0.00	38.22 -3.75 0.00	67.41 -6.59 0.00	23.06 -2.37 0.00	18.36 -2.11 0.00	17.53 -2.00 0.00	16.77 -1.70 0.00	14.06 -1.48 0.00	13.12 -1.30 0.00	13.84 -1.23 0.00	12.65 -1.20 0.00	15.48 -1.60 0.00	20.27 -2.17 0.00	32.73 -3.48 0.00	21.01 -2.11 0.00	25.22 -2.69 0.00	18.89 -2.24 0.00	16.67 -1.58 0.00
SAWYER__23_KV_LOAD 55526	20.22 -1.45 0.00	20.44 -1.21 0.00	19.75 -1.06 0.00	20.34 -1.02 0.00	20.91 -0.78 0.00	24.60 -0.81 0.00	27.04 -2.06 0.00	38.22 -3.75 0.00	67.41 -6.59 0.00	23.06 -2.37 0.00	18.36 -2.11 0.00	17.53 -2.00 0.00	16.77 -1.70 0.00	14.06 -1.48 0.00	13.12 -1.30 0.00	13.84 -1.23 0.00	12.65 -1.20 0.00	15.48 -1.60 0.00	20.27 -2.17 0.00	32.73 -3.48 0.00	21.01 -2.11 0.00	25.22 -2.69 0.00	18.89 -2.24 0.00	16.67 -1.58 0.00
SELKIRK____I 23801	22.34 0.67 0.00	22.33 0.69 0.00	21.42 0.61 0.00	21.88 0.51 0.00	22.18 0.48 0.00	26.02 0.61 0.00	30.15 1.05 0.00	43.57 1.60 0.00	76.94 2.93 0.00	26.22 0.80 0.00	21.09 0.63 0.00	20.10 0.58 0.00	18.98 0.51 0.00	15.98 0.44 0.00	14.83 0.40 0.00	15.47 0.40 0.00	14.23 0.37 0.00	17.59 0.50 0.00	23.24 0.79 0.00	37.50 1.30 0.00	23.89 0.77 0.00	28.80 0.90 0.00	21.81 0.68 0.00	18.79 0.54 0.00
SELKIRK____II 23799	22.26 0.58 0.00	22.23 0.59 0.00	21.32 0.50 0.00	21.75 0.39 0.00	22.05 0.35 0.00	25.87 0.47 0.00	30.04 0.95 0.00	43.43 1.46 0.00	76.70 2.70 0.00	26.15 0.72 0.00	21.02 0.56 0.00	20.04 0.52 0.00	18.92 0.45 0.00	15.93 0.39 0.00	14.79 0.37 0.00	15.43 0.36 0.00	14.19 0.33 0.00	17.53 0.45 0.00	23.15 0.70 0.00	37.38 1.18 0.00	23.82 0.70 0.00	28.72 0.82 0.00	21.75 0.62 0.00	18.72 0.47 0.00



SENECA OSWGO___HYD 24041	21.34 -0.33 0.00	21.36 -0.29 0.00	20.54 -0.28 0.00	21.02 -0.34 0.00	21.40 -0.30 0.00	25.05 -0.35 0.00	28.56 -0.53 0.00	41.13 -0.84 0.00	72.46 -1.54 0.00	24.78 -0.65 0.00	19.86 -0.60 0.00	18.96 -0.57 0.00	17.94 -0.53 0.00	15.09 -0.45 0.00	14.01 -0.41 0.00	14.66 -0.41 0.00	13.52 -0.34 0.00	16.72 -0.36 0.00	21.95 -0.50 0.00	35.44 -0.77 0.00	22.62 -0.50 0.00	27.20 -0.71 0.00	20.54 -0.59 0.00	17.79 -0.46 0.00
SENECA___115KV_TB3 355854	20.47 -1.21 0.00	20.69 -0.96 0.00	19.97 -0.84 0.00	20.54 -0.82 0.00	21.11 -0.58 0.00	24.86 -0.54 0.00	27.41 -1.69 0.00	38.78 -3.18 0.00	68.56 -5.44 0.00	23.41 -2.02 0.00	18.64 -1.83 0.00	17.80 -1.73 0.00	17.02 -1.45 0.00	14.26 -1.28 0.00	13.30 -1.12 0.00	14.04 -1.03 0.00	12.83 -1.03 0.00	15.71 -1.37 0.00	20.58 -1.86 0.00	33.25 -2.96 0.00	21.36 -1.76 0.00	25.62 -2.29 0.00	19.20 -1.93 0.00	16.92 -1.33 0.00
SENECA___ENERGY 23797	21.37 -0.31 0.00	21.45 -0.19 0.00	20.62 -0.19 0.00	21.10 -0.26 0.00	21.58 -0.12 0.00	25.33 -0.07 0.00	28.95 -0.14 0.00	41.51 -0.46 0.00	73.11 -0.90 0.00	24.87 -0.56 0.00	19.84 -0.62 0.00	18.90 -0.62 0.00	17.93 -0.53 0.00	15.05 -0.49 0.00	14.00 -0.42 0.00	14.65 -0.41 0.00	13.50 -0.36 0.00	16.74 -0.34 0.00	22.00 -0.45 0.00	35.64 -0.56 0.00	22.74 -0.37 0.00	27.28 -0.62 0.00	20.60 -0.54 0.00	17.82 -0.43 0.00
SHOEMAKER___GT 23640	22.42 0.74 0.00	22.35 0.71 0.00	21.40 0.59 0.00	21.79 0.42 0.00	22.13 0.43 0.00	26.00 0.59 0.00	30.29 1.19 0.00	43.88 1.92 0.00	77.43 3.43 0.00	26.43 1.00 0.00	21.21 0.74 0.00	20.19 0.66 0.00	19.00 0.53 0.00	15.97 0.43 0.00	14.85 0.43 0.00	15.50 0.43 0.00	14.28 0.42 0.00	17.64 0.56 0.00	23.28 0.84 0.00	37.75 1.54 0.00	24.04 0.92 0.00	28.91 1.01 0.00	21.91 0.78 0.00	18.85 0.60 0.00
SHOEMAKR_138KV_BK 111 55601	22.41 0.73 0.00	22.34 0.70 0.00	21.39 0.58 0.00	21.78 0.42 0.00	22.12 0.43 0.00	25.99 0.59 0.00	30.28 1.19 0.00	43.88 1.91 0.00	77.43 3.42 0.00	26.43 1.00 0.00	21.21 0.74 0.00	20.20 0.67 0.00	19.01 0.54 0.00	15.98 0.44 0.00	14.86 0.43 0.00	15.50 0.43 0.00	14.29 0.43 0.00	17.65 0.57 0.00	23.28 0.84 0.00	37.75 1.54 0.00	24.04 0.92 0.00	28.90 1.00 0.00	21.91 0.78 0.00	18.85 0.60 0.00
SHOREHAM_IC_1 23715	22.89 1.21 0.00	22.59 0.94 0.00	21.64 0.83 0.00	21.96 0.59 0.00	22.21 0.51 0.00	25.95 0.55 0.00	30.76 1.67 0.00	44.42 2.45 0.00	78.51 4.51 0.00	26.79 1.36 0.00	21.63 1.16 0.00	20.55 1.03 0.00	19.27 0.80 0.00	16.16 0.62 0.00	15.18 0.75 0.00	15.95 0.88 0.00	14.88 1.02 0.00	18.36 1.28 0.00	24.07 1.63 0.00	38.84 2.64 0.00	24.75 1.63 0.00	29.58 1.68 0.00	22.51 1.38 0.00	19.38 1.13 0.00
SHOREHAM_IC_2 23716	22.89 1.21 0.00	22.59 0.94 0.00	21.64 0.83 0.00	21.96 0.59 0.00	22.21 0.51 0.00	25.95 0.55 0.00	30.76 1.67 0.00	44.42 2.45 0.00	78.51 4.51 0.00	26.79 1.36 0.00	21.63 1.16 0.00	20.55 1.03 0.00	19.27 0.80 0.00	16.16 0.62 0.00	15.18 0.75 0.00	15.95 0.88 0.00	14.88 1.02 0.00	18.36 1.28 0.00	24.07 1.63 0.00	38.84 2.64 0.00	24.75 1.63 0.00	29.58 1.68 0.00	22.51 1.38 0.00	19.38 1.13 0.00
SISSONVILLE___ 23735	27.53 -0.64 -6.49	27.44 -0.69 -6.48	26.53 -0.65 -6.37	27.29 -0.54 -6.47	27.61 -0.60 -6.52	31.57 -0.89 -7.06	26.26 -1.25 1.59	46.82 -1.68 -6.53	84.97 -3.23 -14.20	31.67 -0.84 -7.07	17.98 -0.69 1.79	25.05 -0.68 -6.20	23.91 -0.61 -6.05	20.62 -0.52 -5.61	19.29 -0.56 -5.43	20.01 -0.59 -5.53	18.64 -0.56 -5.35	22.19 -0.71 -5.82	22.54 -0.92 -1.02	43.47 -1.38 -8.65	29.10 -0.74 -6.72	34.57 -0.79 -7.45	26.92 -0.65 -6.43	23.68 -0.57 -5.99
SITHE_IND_GS1 24169	21.18 -0.50 0.00	21.19 -0.46 0.00	20.38 -0.43 0.00	20.88 -0.48 0.00	21.25 -0.45 0.00	24.84 -0.57 0.00	28.27 -0.82 0.00	40.69 -1.28 0.00	71.73 -2.28 0.00	24.58 -0.85 0.00	19.75 -0.71 0.00	18.86 -0.66 0.00	17.86 -0.61 0.00	15.03 -0.51 0.00	13.96 -0.47 0.00	14.60 -0.46 0.00	13.43 -0.42 0.00	16.57 -0.51 0.00	21.72 -0.72 0.00	35.07 -1.14 0.00	22.39 -0.73 0.00	26.94 -0.97 0.00	20.36 -0.77 0.00	17.65 -0.60 0.00
SITHE_IND_GS2 24170	21.18 -0.50 0.00	21.19 -0.46 0.00	20.38 -0.43 0.00	20.88 -0.48 0.00	21.25 -0.45 0.00	24.84 -0.57 0.00	28.27 -0.82 0.00	40.69 -1.28 0.00	71.73 -2.28 0.00	24.58 -0.85 0.00	19.75 -0.71 0.00	18.86 -0.66 0.00	17.86 -0.61 0.00	15.03 -0.51 0.00	13.96 -0.47 0.00	14.60 -0.46 0.00	13.43 -0.42 0.00	16.57 -0.51 0.00	21.72 -0.72 0.00	35.07 -1.14 0.00	22.39 -0.73 0.00	26.94 -0.97 0.00	20.36 -0.77 0.00	17.65 -0.60 0.00
SITHE_IND_GS3 24171	21.18 -0.50 0.00	21.19 -0.46 0.00	20.38 -0.43 0.00	20.88 -0.48 0.00	21.25 -0.45 0.00	24.84 -0.57 0.00	28.27 -0.82 0.00	40.69 -1.28 0.00	71.73 -2.28 0.00	24.58 -0.85 0.00	19.75 -0.71 0.00	18.86 -0.66 0.00	17.86 -0.61 0.00	15.03 -0.51 0.00	13.96 -0.47 0.00	14.60 -0.46 0.00	13.43 -0.42 0.00	16.57 -0.51 0.00	21.72 -0.72 0.00	35.07 -1.14 0.00	22.39 -0.73 0.00	26.94 -0.97 0.00	20.36 -0.77 0.00	17.65 -0.60 0.00
SITHE_IND_GS4 24172	21.18 -0.50 0.00	21.19 -0.46 0.00	20.38 -0.43 0.00	20.88 -0.48 0.00	21.25 -0.45 0.00	24.84 -0.57 0.00	28.27 -0.82 0.00	40.69 -1.28 0.00	71.73 -2.28 0.00	24.58 -0.85 0.00	19.75 -0.71 0.00	18.86 -0.66 0.00	17.86 -0.61 0.00	15.03 -0.51 0.00	13.96 -0.47 0.00	14.60 -0.46 0.00	13.43 -0.42 0.00	16.57 -0.51 0.00	21.72 -0.72 0.00	35.07 -1.14 0.00	22.39 -0.73 0.00	26.94 -0.97 0.00	20.36 -0.77 0.00	17.65 -0.60 0.00
SITHE___BATAVIA 24024	20.81 -0.87 0.00	20.98 -0.66 0.00	20.29 -0.52 0.00	20.90 -0.46 0.00	21.51 -0.18 0.00	25.30 -0.10 0.00	28.02 -1.07 0.00	39.80 -2.17 0.00	70.07 -3.93 0.00	23.82 -1.61 0.00	18.82 -1.65 0.00	17.94 -1.59 0.00	17.14 -1.33 0.00	14.37 -1.16 0.00	13.40 -1.02 0.00	14.19 -0.88 0.00	13.07 -0.79 0.00	16.00 -1.08 0.00	20.99 -1.45 0.00	34.07 -2.14 0.00	21.83 -1.28 0.00	26.17 -1.73 0.00	19.58 -1.55 0.00	17.20 -1.05 0.00
SITHE___INDEPEND 23800	21.18 -0.49 0.00	21.20 -0.45 0.00	20.38 -0.43 0.00	20.88 -0.48 0.00	21.24 -0.45 0.00	24.84 -0.56 0.00	28.27 -0.83 0.00	40.69 -1.28 0.00	71.73 -2.28 0.00	24.58 -0.85 0.00	19.75 -0.72 0.00	18.86 -0.66 0.00	17.86 -0.61 0.00	15.03 -0.51 0.00	13.96 -0.47 0.00	14.60 -0.46 0.00	13.43 -0.42 0.00	16.57 -0.51 0.00	21.73 -0.72 0.00	35.06 -1.14 0.00	22.39 -0.72 0.00	26.94 -0.97 0.00	20.37 -0.77 0.00	17.65 -0.60 0.00
SITHE___MASSENA 23902	22.77 -0.10 -1.20	22.70 -0.14 -1.20	21.89 -0.10 -1.17	22.59 0.04 -1.19	22.91 0.01 -1.20	26.54 -0.16 -1.30	20.90 -0.46 7.73	42.54 -0.63 -1.20	75.27 -1.35 -2.62	26.53 -0.20 -1.30	13.00 -0.13 7.34	20.56 -0.10 -1.14	19.56 -0.03 -1.12	16.54 -0.03 -1.03	15.33 -0.09 -1.00	15.99 -0.09 -1.02	14.74 -0.10 -0.99	17.97 -0.18 -1.07	17.51 -0.31 4.63	37.28 -0.51 -1.60	24.19 -0.17 -1.24	29.20 -0.08 -1.37	22.24 -0.08 -1.19	19.31 -0.04 -1.10



SITHE___OGDNSBRG 24021	26.15 0.03 -4.44	26.05 -0.02 -4.43	25.17 0.01 -4.35	25.95 0.17 -4.42	26.28 0.14 -4.45	30.23 0.01 -4.82	24.87 -0.25 3.97	46.18 -0.25 -4.46	82.98 -0.73 -9.70	30.27 0.00 -4.83	16.47 -0.05 3.95	23.63 -0.13 -4.23	22.49 -0.11 -4.13	19.26 -0.11 -3.83	17.96 -0.18 -3.71	18.67 -0.18 -3.78	17.32 -0.19 -3.65	20.81 -0.25 -3.97	20.97 -0.30 1.18	41.95 -0.17 -5.91	27.77 0.06 -4.59	33.18 0.18 -5.09	25.61 0.08 -4.40	22.41 0.07 -4.10
SITHE___STERLING 23777	22.14 0.47 0.00	22.10 0.46 0.00	21.23 0.42 0.00	21.71 0.35 0.00	22.07 0.38 0.00	25.93 0.53 0.00	29.82 0.73 0.00	43.10 1.14 0.00	76.03 2.02 0.00	26.00 0.57 0.00	20.73 0.26 0.00	19.69 0.17 0.00	18.59 0.12 0.00	15.62 0.08 0.00	14.50 0.08 0.00	15.14 0.07 0.00	13.95 0.09 0.00	17.40 0.32 0.00	22.97 0.52 0.00	37.11 0.91 0.00	23.67 0.55 0.00	28.43 0.53 0.00	21.47 0.34 0.00	18.53 0.28 0.00
SLEIGHT__34_KV_TB1 80719	21.09 -0.58 0.00	21.17 -0.48 0.00	20.39 -0.43 0.00	20.91 -0.45 0.00	21.39 -0.31 0.00	25.12 -0.28 0.00	28.44 -0.65 0.00	40.74 -1.22 0.00	71.70 -2.30 0.00	24.47 -0.96 0.00	19.51 -0.95 0.00	18.61 -0.91 0.00	17.67 -0.80 0.00	14.84 -0.70 0.00	13.81 -0.61 0.00	14.50 -0.57 0.00	13.35 -0.51 0.00	16.50 -0.58 0.00	21.64 -0.80 0.00	35.00 -1.21 0.00	22.35 -0.77 0.00	26.80 -1.10 0.00	20.17 -0.96 0.00	17.53 -0.73 0.00
SOUTH CAIRO___GT 23612	23.19 1.52 0.00	23.19 1.54 0.00	22.26 1.44 0.00	22.76 1.40 0.00	23.07 1.37 0.00	27.14 1.73 0.00	31.57 2.48 0.00	45.70 3.73 0.00	80.65 6.65 0.00	27.30 1.88 0.00	21.82 1.35 0.00	20.76 1.24 0.00	19.54 1.07 0.00	16.41 0.87 0.00	15.18 0.76 0.00	15.90 0.83 0.00	14.67 0.81 0.00	18.23 1.14 0.00	24.22 1.78 0.00	39.32 3.11 0.00	25.02 1.90 0.00	30.13 2.22 0.00	22.73 1.60 0.00	19.51 1.26 0.00
SOUTH HAMPTN___IC 23720	23.02 1.34 0.00	22.73 1.08 0.00	21.78 0.97 0.00	22.11 0.74 0.00	22.38 0.68 0.00	26.17 0.77 0.00	31.20 2.11 0.00	45.07 3.10 0.00	79.61 5.61 0.00	27.15 1.72 0.00	21.94 1.47 0.00	20.81 1.28 0.00	19.50 1.03 0.00	16.34 0.79 0.00	15.33 0.91 0.00	16.09 1.02 0.00	15.01 1.16 0.00	18.54 1.46 0.00	24.33 1.89 0.00	39.32 3.12 0.00	25.05 1.93 0.00	29.94 2.03 0.00	22.77 1.63 0.00	19.59 1.34 0.00
SOUTHDOW__115KV_TB1 355954	21.25 -0.43 0.00	21.41 -0.23 0.00	20.58 -0.23 0.00	21.08 -0.28 0.00	21.69 -0.01 0.00	25.65 0.24 0.00	28.66 -0.44 0.00	40.74 -1.23 0.00	72.38 -1.62 0.00	24.43 -1.00 0.00	19.46 -1.00 0.00	18.58 -0.94 0.00	17.68 -0.79 0.00	14.77 -0.77 0.00	13.79 -0.64 0.00	14.51 -0.56 0.00	13.22 -0.63 0.00	16.22 -0.86 0.00	21.35 -1.09 0.00	34.59 -1.62 0.00	22.27 -0.85 0.00	26.53 -1.37 0.00	19.91 -1.23 0.00	17.64 -0.61 0.00
SOUTHOLD_69_KV_BK 2 55809	23.11 1.43 0.00	22.81 1.17 0.00	21.86 1.05 0.00	22.18 0.82 0.00	22.50 0.81 0.00	26.33 0.92 0.00	31.74 2.64 0.00	45.87 3.90 0.00	80.95 6.95 0.00	27.59 2.16 0.00	22.28 1.82 0.00	21.11 1.58 0.00	19.76 1.29 0.00	16.54 1.00 0.00	15.52 1.10 0.00	16.28 1.21 0.00	15.19 1.34 0.00	18.80 1.72 0.00	24.70 2.26 0.00	39.97 3.76 0.00	25.45 2.33 0.00	30.41 2.50 0.00	23.10 1.96 0.00	19.87 1.62 0.00
SOUTHOLD___IC 23719	23.11 1.43 0.00	22.82 1.18 0.00	21.86 1.05 0.00	22.20 0.84 0.00	22.49 0.80 0.00	26.32 0.92 0.00	31.74 2.64 0.00	45.86 3.89 0.00	80.95 6.95 0.00	27.59 2.16 0.00	22.28 1.81 0.00	21.11 1.58 0.00	19.76 1.29 0.00	16.54 1.00 0.00	15.52 1.10 0.00	16.27 1.21 0.00	15.19 1.34 0.00	18.80 1.72 0.00	24.70 2.26 0.00	39.97 3.77 0.00	25.45 2.33 0.00	30.41 2.50 0.00	23.09 1.96 0.00	19.87 1.62 0.00
SOUTH_FORK_WT_PWR 323839	22.96 1.29 0.00	22.67 1.03 0.00	21.72 0.91 0.00	22.06 0.70 0.00	22.34 0.65 0.00	26.15 0.74 0.00	31.78 2.68 0.00	45.93 3.97 0.00	81.06 7.05 0.00	27.63 2.20 0.00	22.32 1.85 0.00	21.13 1.61 0.00	19.77 1.30 0.00	16.55 1.01 0.00	15.54 1.12 0.00	16.29 1.22 0.00	15.21 1.35 0.00	18.82 1.73 0.00	24.73 2.28 0.00	40.01 3.80 0.00	25.47 2.35 0.00	30.44 2.53 0.00	23.12 1.99 0.00	19.89 1.64 0.00
SPIERFLS_115KV_TB 1 80737	22.54 0.86 0.00	22.55 0.91 0.00	21.62 0.81 0.00	22.04 0.68 0.00	22.36 0.66 0.00	26.32 0.91 0.00	30.77 1.67 0.00	44.52 2.55 0.00	78.97 4.97 0.00	26.72 1.29 0.00	21.50 1.03 0.00	20.47 0.94 0.00	19.35 0.88 0.00	16.33 0.79 0.00	15.02 0.60 0.00	15.68 0.61 0.00	14.32 0.47 0.00	17.79 0.71 0.00	23.75 1.30 0.00	38.36 2.16 0.00	24.36 1.24 0.00	29.30 1.40 0.00	22.07 0.94 0.00	18.91 0.66 0.00
ST LAWRENCE____ 23600	21.35 -0.34 0.00	21.26 -0.38 0.00	20.48 -0.33 0.00	21.18 -0.18 0.00	21.49 -0.20 0.00	25.07 -0.34 0.00	19.33 -0.67 9.09	41.01 -0.95 0.00	72.14 -1.87 0.00	25.06 -0.37 0.00	11.65 -0.25 8.56	19.32 -0.20 0.00	18.34 -0.13 0.00	15.44 -0.10 0.00	14.29 -0.13 0.00	14.95 -0.12 0.00	13.73 -0.13 0.00	16.86 -0.22 0.00	16.19 -0.37 5.88	35.55 -0.66 0.00	22.79 -0.33 0.00	27.62 -0.28 0.00	20.91 -0.22 0.00	18.08 -0.17 0.00
STATE_CA_115KV_115_LB 55624	22.45 0.78 0.00	22.44 0.79 0.00	21.50 0.69 0.00	21.93 0.56 0.00	22.22 0.52 0.00	26.08 0.68 0.00	30.39 1.29 0.00	43.93 1.97 0.00	77.63 3.62 0.00	26.45 1.02 0.00	21.27 0.80 0.00	20.28 0.75 0.00	19.14 0.67 0.00	16.12 0.58 0.00	14.95 0.53 0.00	15.58 0.51 0.00	14.33 0.47 0.00	17.72 0.64 0.00	23.42 0.98 0.00	37.81 1.60 0.00	24.09 0.97 0.00	29.04 1.14 0.00	21.99 0.86 0.00	18.91 0.66 0.00
STATE_ST_34_KV_LOAD 55959	21.71 0.03 0.00	21.75 0.10 0.00	20.94 0.13 0.00	21.41 0.05 0.00	21.88 0.19 0.00	25.63 0.22 0.00	29.37 0.27 0.00	42.08 0.11 0.00	74.08 0.08 0.00	25.33 -0.10 0.00	20.32 -0.14 0.00	19.29 -0.23 0.00	18.24 -0.23 0.00	15.34 -0.20 0.00	14.27 -0.15 0.00	14.91 -0.15 0.00	13.77 -0.09 0.00	17.05 -0.03 0.00	22.35 -0.09 0.00	36.29 0.09 0.00	23.15 0.03 0.00	27.77 -0.14 0.00	20.99 -0.14 0.00	18.13 -0.12 0.00
STATION 5_MISC_HYD 23604	20.90 -0.78 0.00	21.02 -0.62 0.00	20.28 -0.53 0.00	20.85 -0.52 0.00	21.37 -0.32 0.00	25.09 -0.32 0.00	28.09 -1.00 0.00	40.10 -1.87 0.00	70.61 -3.39 0.00	24.10 -1.33 0.00	19.22 -1.25 0.00	18.34 -1.19 0.00	17.46 -1.01 0.00	14.65 -0.89 0.00	13.65 -0.77 0.00	14.36 -0.71 0.00	13.19 -0.66 0.00	16.23 -0.85 0.00	21.29 -1.16 0.00	34.39 -1.81 0.00	22.00 -1.12 0.00	26.43 -1.48 0.00	19.83 -1.30 0.00	17.32 -0.93 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	21.28 -0.40 0.00	21.38 -0.27 0.00	20.58 -0.23 0.00	21.11 -0.25 0.00	21.59 -0.10 0.00	25.38 -0.02 0.00	28.72 -0.37 0.00	41.13 -0.84 0.00	72.45 -1.55 0.00	24.66 -0.77 0.00	19.64 -0.83 0.00	18.73 -0.79 0.00	17.78 -0.69 0.00	14.92 -0.62 0.00	13.90 -0.53 0.00	14.60 -0.47 0.00	13.45 -0.40 0.00	16.63 -0.45 0.00	21.84 -0.61 0.00	35.32 -0.89 0.00	22.56 -0.56 0.00	27.05 -0.85 0.00	20.34 -0.79 0.00	17.68 -0.57 0.00



STA_56___34_KV_BUS2_REV_LBMP_B 345033	20.84 -0.84 0.00	20.96 -0.69 0.00	20.20 -0.61 0.00	20.76 -0.60 0.00	21.26 -0.44 0.00	24.98 -0.43 0.00	28.01 -1.08 0.00	40.02 -1.95 0.00	70.49 -3.52 0.00	24.06 -1.37 0.00	19.20 -1.27 0.00	18.31 -1.21 0.00	17.43 -1.04 0.00	14.63 -0.91 0.00	13.62 -0.80 0.00	14.34 -0.73 0.00	13.17 -0.68 0.00	16.22 -0.86 0.00	21.27 -1.18 0.00	34.36 -1.85 0.00	21.97 -1.14 0.00	26.38 -1.52 0.00	19.81 -1.32 0.00	17.28 -0.97 0.00
STA_56___34_KV_BUS2 355983	20.84 -0.84 0.00	20.96 -0.69 0.00	20.20 -0.61 0.00	20.76 -0.60 0.00	21.26 -0.44 0.00	24.98 -0.43 0.00	28.01 -1.08 0.00	40.02 -1.95 0.00	70.49 -3.52 0.00	24.06 -1.37 0.00	19.20 -1.27 0.00	18.31 -1.21 0.00	17.43 -1.04 0.00	14.63 -0.91 0.00	13.62 -0.80 0.00	14.34 -0.73 0.00	13.17 -0.68 0.00	16.22 -0.86 0.00	21.27 -1.18 0.00	34.36 -1.85 0.00	21.97 -1.14 0.00	26.38 -1.52 0.00	19.81 -1.32 0.00	17.28 -0.97 0.00
STA_67___115KV_BK2 355882	20.86 -0.81 0.00	20.99 -0.66 0.00	20.24 -0.57 0.00	20.80 -0.56 0.00	21.30 -0.39 0.00	25.03 -0.37 0.00	28.02 -1.07 0.00	39.99 -1.97 0.00	70.42 -3.58 0.00	24.04 -1.39 0.00	19.18 -1.29 0.00	18.29 -1.24 0.00	17.42 -1.05 0.00	14.62 -0.92 0.00	13.62 -0.80 0.00	14.33 -0.74 0.00	13.16 -0.70 0.00	16.18 -0.90 0.00	21.23 -1.22 0.00	34.30 -1.91 0.00	21.95 -1.17 0.00	26.36 -1.55 0.00	19.79 -1.35 0.00	17.28 -0.96 0.00
STA_7___115KV_9TRANS 80674	21.00 -0.68 0.00	21.12 -0.52 0.00	20.37 -0.45 0.00	20.93 -0.43 0.00	21.44 -0.25 0.00	25.20 -0.20 0.00	28.23 -0.86 0.00	40.31 -1.65 0.00	70.99 -3.02 0.00	24.20 -1.23 0.00	19.31 -1.15 0.00	18.41 -1.11 0.00	17.53 -0.94 0.00	14.71 -0.83 0.00	13.71 -0.71 0.00	14.43 -0.64 0.00	13.25 -0.61 0.00	16.31 -0.77 0.00	21.40 -1.05 0.00	34.58 -1.62 0.00	22.12 -1.00 0.00	26.56 -1.34 0.00	19.93 -1.20 0.00	17.40 -0.86 0.00
STA_82___115KV_TB1 80780	20.88 -0.80 0.00	21.01 -0.64 0.00	20.25 -0.56 0.00	20.82 -0.55 0.00	21.32 -0.38 0.00	25.05 -0.35 0.00	28.04 -1.05 0.00	40.03 -1.94 0.00	70.47 -3.53 0.00	24.05 -1.38 0.00	19.19 -1.28 0.00	18.30 -1.23 0.00	17.42 -1.05 0.00	14.63 -0.91 0.00	13.62 -0.80 0.00	14.34 -0.73 0.00	13.17 -0.69 0.00	16.20 -0.89 0.00	21.24 -1.20 0.00	34.32 -1.88 0.00	21.96 -1.16 0.00	26.37 -1.53 0.00	19.80 -1.33 0.00	17.29 -0.96 0.00
STEEL___WIND 323596	20.42 -1.25 0.00	20.63 -1.01 0.00	19.93 -0.88 0.00	20.50 -0.86 0.00	21.11 -0.59 0.00	24.81 -0.59 0.00	27.35 -1.74 0.00	38.72 -3.24 0.00	68.49 -5.52 0.00	23.37 -2.06 0.00	18.59 -1.88 0.00	17.77 -1.76 0.00	16.99 -1.48 0.00	14.22 -1.32 0.00	13.27 -1.15 0.00	14.00 -1.07 0.00	12.80 -1.06 0.00	15.68 -1.41 0.00	20.54 -1.90 0.00	33.21 -3.00 0.00	21.32 -1.80 0.00	25.59 -2.32 0.00	19.17 -1.96 0.00	16.90 -1.35 0.00
STEPHTWN_115KV_BK_2 55603	22.54 0.86 0.00	22.52 0.87 0.00	21.55 0.74 0.00	21.97 0.61 0.00	22.31 0.62 0.00	26.21 0.81 0.00	30.55 1.46 0.00	44.18 2.21 0.00	78.07 4.06 0.00	26.53 1.10 0.00	21.36 0.89 0.00	20.35 0.82 0.00	19.21 0.74 0.00	16.14 0.60 0.00	14.97 0.55 0.00	15.62 0.55 0.00	14.37 0.51 0.00	17.81 0.73 0.00	23.57 1.12 0.00	38.00 1.79 0.00	24.23 1.11 0.00	29.22 1.32 0.00	22.05 0.92 0.00	18.98 0.73 0.00
STEUBEN_REC_LFGE 323667	20.54 -1.13 0.00	21.19 -0.45 0.00	20.07 -0.74 0.00	20.48 -0.88 0.00	21.25 -0.44 0.00	24.67 -0.74 0.00	28.26 -0.83 0.00	40.59 -1.38 0.00	71.41 -2.59 0.00	23.86 -1.58 0.00	18.98 -1.49 0.00	18.09 -1.43 0.00	17.10 -1.37 0.00	14.25 -1.29 0.00	13.29 -1.13 0.00	13.95 -1.12 0.00	12.88 -0.98 0.00	16.04 -1.05 0.00	21.22 -1.22 0.00	34.62 -1.59 0.00	22.11 -1.01 0.00	26.63 -1.27 0.00	20.26 -0.88 0.00	17.60 -0.66 0.00
STILLWATER___SOLAR 323814	22.52 0.84 0.00	22.51 0.86 0.00	21.57 0.76 0.00	22.00 0.64 0.00	22.31 0.61 0.00	26.22 0.82 0.00	30.54 1.45 0.00	44.18 2.22 0.00	78.14 4.14 0.00	26.54 1.11 0.00	21.33 0.86 0.00	20.29 0.77 0.00	19.17 0.70 0.00	16.16 0.62 0.00	14.91 0.49 0.00	15.54 0.48 0.00	14.28 0.42 0.00	17.73 0.64 0.00	23.56 1.11 0.00	38.05 1.84 0.00	24.21 1.09 0.00	29.17 1.26 0.00	22.02 0.89 0.00	18.92 0.67 0.00
STONY___BROOK 24151	23.02 1.34 0.00	22.79 1.15 0.00	21.82 1.01 0.00	22.14 0.78 0.00	22.40 0.70 0.00	26.25 0.85 0.00	30.99 1.90 0.00	44.85 2.88 0.00	79.14 5.14 0.00	27.06 1.63 0.00	21.94 1.47 0.00	20.76 1.23 0.00	19.47 1.00 0.00	16.30 0.77 0.00	15.23 0.81 0.00	15.97 0.91 0.00	14.88 1.02 0.00	18.36 1.28 0.00	24.13 1.68 0.00	39.06 2.86 0.00	24.88 1.76 0.00	29.76 1.86 0.00	22.62 1.49 0.00	19.48 1.23 0.00
STURGEON_POOL_HYD 23609	22.43 0.76 0.00	22.34 0.70 0.00	21.37 0.56 0.00	21.71 0.35 0.00	22.08 0.38 0.00	25.94 0.54 0.00	30.34 1.24 0.00	44.03 2.07 0.00	77.73 3.73 0.00	26.54 1.11 0.00	21.28 0.82 0.00	20.28 0.75 0.00	19.09 0.62 0.00	16.07 0.53 0.00	14.98 0.55 0.00	15.62 0.55 0.00	14.40 0.54 0.00	17.76 0.68 0.00	23.37 0.92 0.00	37.92 1.72 0.00	24.13 1.01 0.00	28.98 1.08 0.00	21.98 0.84 0.00	18.90 0.65 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	22.52 0.84 0.00	22.45 0.80 0.00	21.48 0.67 0.00	21.85 0.49 0.00	22.19 0.50 0.00	26.08 0.68 0.00	30.46 1.36 0.00	44.14 2.18 0.00	77.88 3.88 0.00	26.58 1.15 0.00	21.32 0.85 0.00	20.32 0.79 0.00	19.12 0.66 0.00	16.08 0.54 0.00	14.95 0.53 0.00	15.60 0.54 0.00	14.39 0.53 0.00	17.76 0.68 0.00	23.41 0.97 0.00	37.97 1.76 0.00	24.17 1.05 0.00	29.05 1.14 0.00	22.02 0.89 0.00	18.94 0.69 0.00
SWANROAD_115KV_TB1 355699	19.79 -1.89 0.00	19.99 -1.66 0.00	19.34 -1.47 0.00	19.96 -1.40 0.00	20.52 -1.17 0.00	24.11 -1.29 0.00	26.36 -2.73 0.00	37.18 -4.78 0.00	65.51 -8.50 0.00	22.43 -2.99 0.00	17.84 -2.63 0.00	17.02 -2.50 0.00	16.31 -2.16 0.00	13.68 -1.86 0.00	12.77 -1.66 0.00	13.48 -1.59 0.00	12.33 -1.52 0.00	15.07 -2.02 0.00	19.71 -2.73 0.00	31.83 -4.38 0.00	20.43 -2.69 0.00	24.52 -3.38 0.00	18.38 -2.76 0.00	16.26 -1.99 0.00
SYNERGY___BIOGAS 323694	20.81 -0.87 0.00	20.98 -0.66 0.00	20.29 -0.52 0.00	20.90 -0.46 0.00	21.51 -0.18 0.00	25.30 -0.10 0.00	28.02 -1.07 0.00	39.80 -2.17 0.00	70.07 -3.93 0.00	23.82 -1.61 0.00	18.82 -1.65 0.00	17.94 -1.59 0.00	17.14 -1.33 0.00	14.37 -1.16 0.00	13.40 -1.02 0.00	14.19 -0.88 0.00	13.07 -0.79 0.00	16.00 -1.08 0.00	20.99 -1.45 0.00	34.07 -2.14 0.00	21.83 -1.28 0.00	26.17 -1.73 0.00	19.58 -1.55 0.00	17.20 -1.05 0.00
SYRACUSE___ENERGY_ST1 323597	21.65 -0.03 0.00	21.68 0.04 0.00	20.84 0.03 0.00	21.34 -0.02 0.00	21.73 0.03 0.00	25.46 0.05 0.00	29.04 -0.05 0.00	41.77 -0.19 0.00	73.62 -0.38 0.00	25.18 -0.25 0.00	20.17 -0.30 0.00	19.25 -0.28 0.00	18.22 -0.25 0.00	15.32 -0.22 0.00	14.24 -0.19 0.00	14.89 -0.18 0.00	13.72 -0.14 0.00	16.97 -0.11 0.00	22.27 -0.18 0.00	35.98 -0.23 0.00	22.95 -0.16 0.00	27.59 -0.31 0.00	20.87 -0.27 0.00	18.05 -0.20 0.00



SYRACUSE___ENERGY_ST2 323598	21.65 -0.03 0.00	21.68 0.04 0.00	20.84 0.03 0.00	21.34 -0.02 0.00	21.73 0.03 0.00	25.46 0.05 0.00	29.04 -0.05 0.00	41.77 -0.19 0.00	73.62 -0.38 0.00	25.18 -0.25 0.00	20.17 -0.30 0.00	19.25 -0.28 0.00	18.22 -0.25 0.00	15.32 -0.22 0.00	14.24 -0.19 0.00	14.89 -0.18 0.00	13.72 -0.14 0.00	16.97 -0.11 0.00	22.27 -0.18 0.00	35.98 -0.23 0.00	22.95 -0.16 0.00	27.59 -0.31 0.00	20.87 -0.27 0.00	18.05 -0.20 0.00
SYRACUSE___POWER 24017	21.64 -0.04 0.00	21.65 0.00 0.00	20.81 0.00 0.00	21.30 -0.06 0.00	21.68 -0.02 0.00	25.39 -0.01 0.00	28.96 -0.13 0.00	41.72 -0.25 0.00	73.54 -0.46 0.00	25.15 -0.28 0.00	20.15 -0.32 0.00	19.22 -0.31 0.00	18.19 -0.28 0.00	15.28 -0.25 0.00	14.21 -0.22 0.00	14.86 -0.21 0.00	13.68 -0.17 0.00	16.93 -0.15 0.00	22.22 -0.22 0.00	35.90 -0.31 0.00	22.91 -0.21 0.00	27.55 -0.36 0.00	20.83 -0.30 0.00	18.04 -0.21 0.00
TALLMAN__138KV_BK151 55660	22.66 0.98 0.00	22.58 0.93 0.00	21.59 0.78 0.00	21.94 0.58 0.00	22.28 0.59 0.00	26.21 0.81 0.00	30.66 1.57 0.00	44.45 2.49 0.00	78.39 4.39 0.00	26.76 1.33 0.00	21.49 1.03 0.00	20.47 0.94 0.00	19.26 0.79 0.00	16.19 0.65 0.00	15.07 0.64 0.00	15.72 0.65 0.00	14.49 0.64 0.00	17.89 0.81 0.00	23.57 1.12 0.00	38.22 2.01 0.00	24.33 1.21 0.00	29.22 1.32 0.00	22.16 1.03 0.00	19.04 0.79 0.00
TEALLAVE_115KV_TB7 355573	21.51 -0.17 0.00	21.52 -0.12 0.00	20.69 -0.12 0.00	21.18 -0.18 0.00	21.56 -0.14 0.00	25.24 -0.16 0.00	28.74 -0.35 0.00	41.38 -0.59 0.00	72.97 -1.03 0.00	24.98 -0.45 0.00	20.03 -0.44 0.00	19.11 -0.42 0.00	18.09 -0.38 0.00	15.21 -0.33 0.00	14.14 -0.29 0.00	14.78 -0.28 0.00	13.61 -0.24 0.00	16.82 -0.26 0.00	22.06 -0.39 0.00	35.62 -0.59 0.00	22.73 -0.39 0.00	27.35 -0.55 0.00	20.69 -0.44 0.00	17.93 -0.33 0.00
TELGRAPH_34_KV_EAST 80808	20.40 -1.27 0.00	20.59 -1.06 0.00	19.89 -0.92 0.00	20.52 -0.84 0.00	21.09 -0.61 0.00	24.82 -0.58 0.00	27.33 -1.77 0.00	38.70 -3.27 0.00	68.18 -5.82 0.00	23.26 -2.17 0.00	18.44 -2.02 0.00	17.59 -1.93 0.00	16.83 -1.64 0.00	14.11 -1.43 0.00	13.17 -1.26 0.00	13.92 -1.15 0.00	12.78 -1.08 0.00	15.63 -1.45 0.00	20.48 -1.96 0.00	33.14 -3.06 0.00	21.26 -1.86 0.00	25.50 -2.41 0.00	19.08 -2.05 0.00	16.82 -1.43 0.00
TEMPLE___115KV_TB 2 55572	21.52 -0.16 0.00	21.54 -0.11 0.00	20.70 -0.10 0.00	21.20 -0.17 0.00	21.57 -0.12 0.00	25.26 -0.14 0.00	28.77 -0.33 0.00	41.42 -0.55 0.00	73.03 -0.97 0.00	25.00 -0.43 0.00	20.04 -0.42 0.00	19.12 -0.40 0.00	18.10 -0.37 0.00	15.22 -0.33 0.00	14.14 -0.28 0.00	14.80 -0.27 0.00	13.62 -0.23 0.00	16.84 -0.25 0.00	22.08 -0.37 0.00	35.64 -0.56 0.00	22.75 -0.37 0.00	27.38 -0.53 0.00	20.70 -0.43 0.00	17.93 -0.32 0.00
TIANA____69_KV_BK 1 55817	23.00 1.32 0.00	22.72 1.07 0.00	21.77 0.96 0.00	22.08 0.71 0.00	22.37 0.68 0.00	26.16 0.75 0.00	31.11 2.02 0.00	44.93 2.96 0.00	79.33 5.33 0.00	27.07 1.64 0.00	21.88 1.42 0.00	20.75 1.22 0.00	19.44 0.98 0.00	16.29 0.75 0.00	15.29 0.87 0.00	16.05 0.98 0.00	14.98 1.12 0.00	18.50 1.42 0.00	24.27 1.82 0.00	39.23 3.02 0.00	24.98 1.86 0.00	29.86 1.95 0.00	22.71 1.57 0.00	19.55 1.30 0.00
TILDEN___115KV_TB1 80814	21.64 -0.04 0.00	21.65 0.00 0.00	20.81 0.00 0.00	21.30 -0.06 0.00	21.68 -0.02 0.00	25.39 -0.01 0.00	28.96 -0.13 0.00	41.72 -0.25 0.00	73.54 -0.46 0.00	25.15 -0.28 0.00	20.15 -0.32 0.00	19.22 -0.31 0.00	18.19 -0.28 0.00	15.28 -0.25 0.00	14.21 -0.22 0.00	14.86 -0.21 0.00	13.68 -0.17 0.00	16.93 -0.15 0.00	22.22 -0.22 0.00	35.90 -0.31 0.00	22.91 -0.21 0.00	27.55 -0.36 0.00	20.83 -0.30 0.00	18.04 -0.21 0.00
TRIGEN___CC 323695	22.91 1.24 0.00	22.77 1.12 0.00	21.76 0.95 0.00	22.10 0.73 0.00	22.39 0.70 0.00	26.32 0.92 0.00	30.92 1.82 0.00	44.78 2.81 0.00	78.93 4.93 0.00	27.04 1.61 0.00	21.84 1.37 0.00	20.74 1.21 0.00	19.47 1.00 0.00	16.35 0.81 0.00	15.23 0.81 0.00	15.93 0.86 0.00	14.75 0.89 0.00	18.17 1.08 0.00	23.91 1.46 0.00	38.75 2.55 0.00	24.67 1.55 0.00	29.57 1.66 0.00	22.45 1.32 0.00	19.32 1.07 0.00
TRINITY__115KV__ 4 BK 55933	22.34 0.66 0.00	22.32 0.68 0.00	21.39 0.58 0.00	21.82 0.46 0.00	22.10 0.41 0.00	25.94 0.54 0.00	30.21 1.11 0.00	43.68 1.71 0.00	77.17 3.17 0.00	26.29 0.86 0.00	21.14 0.67 0.00	20.15 0.63 0.00	19.03 0.56 0.00	16.03 0.49 0.00	14.88 0.45 0.00	15.50 0.43 0.00	14.25 0.39 0.00	17.62 0.54 0.00	23.29 0.84 0.00	37.58 1.37 0.00	23.94 0.82 0.00	28.88 0.97 0.00	21.87 0.74 0.00	18.81 0.56 0.00
UNION___PROCESSING_DRP 323587	20.88 -0.80 0.00	21.01 -0.64 0.00	20.26 -0.55 0.00	20.82 -0.54 0.00	21.32 -0.37 0.00	25.06 -0.34 0.00	28.06 -1.04 0.00	40.03 -1.93 0.00	70.49 -3.51 0.00	24.06 -1.37 0.00	19.19 -1.27 0.00	18.30 -1.22 0.00	17.43 -1.04 0.00	14.63 -0.91 0.00	13.63 -0.79 0.00	14.34 -0.73 0.00	13.17 -0.68 0.00	16.20 -0.88 0.00	21.25 -1.20 0.00	34.33 -1.87 0.00	21.97 -1.15 0.00	26.37 -1.53 0.00	19.80 -1.33 0.00	17.30 -0.96 0.00
UPPER HUDSON___HYD 24058	22.54 0.86 0.00	22.55 0.91 0.00	21.62 0.81 0.00	22.04 0.68 0.00	22.36 0.66 0.00	26.32 0.92 0.00	30.77 1.67 0.00	44.52 2.55 0.00	78.97 4.97 0.00	26.72 1.29 0.00	21.49 1.03 0.00	20.47 0.94 0.00	19.35 0.88 0.00	16.33 0.78 0.00	15.02 0.60 0.00	15.68 0.61 0.00	14.33 0.47 0.00	17.79 0.71 0.00	23.75 1.30 0.00	38.36 2.16 0.00	24.36 1.24 0.00	29.30 1.40 0.00	22.07 0.94 0.00	18.91 0.66 0.00
UPPER RAQUET___HYD 24056	27.53 -0.64 -6.49	27.44 -0.69 -6.48	26.53 -0.65 -6.37	27.29 -0.54 -6.47	27.61 -0.60 -6.52	31.57 -0.89 -7.06	26.25 -1.25 1.59	46.82 -1.68 -6.53	84.97 -3.24 -14.20	31.67 -0.84 -7.07	17.98 -0.69 1.79	25.04 -0.68 -6.20	23.91 -0.61 -6.05	20.62 -0.52 -5.61	19.29 -0.56 -5.43	20.01 -0.59 -5.53	18.64 -0.56 -5.35	22.19 -0.71 -5.82	22.54 -0.92 -1.02	43.47 -1.39 -8.65	29.10 -0.74 -6.72	34.57 -0.79 -7.45	26.92 -0.65 -6.43	23.68 -0.57 -5.99
VALLEY44_115KV_TB2 355964	21.53 -0.15 0.00	21.70 0.05 0.00	20.82 0.00 0.00	21.24 -0.13 0.00	21.70 0.00 0.00	25.59 0.19 0.00	28.63 -0.46 0.00	40.78 -1.19 0.00	72.11 -1.89 0.00	24.48 -0.95 0.00	19.60 -0.87 0.00	18.76 -0.76 0.00	17.93 -0.54 0.00	14.99 -0.55 0.00	13.99 -0.43 0.00	14.70 -0.37 0.00	13.42 -0.44 0.00	16.31 -0.77 0.00	21.41 -1.04 0.00	34.70 -1.50 0.00	22.26 -0.86 0.00	26.82 -1.08 0.00	20.29 -0.84 0.00	17.83 -0.42 0.00
VALLEY___115KV_TB 1-4 80826	21.50 -0.18 0.00	21.49 -0.16 0.00	20.64 -0.17 0.00	21.08 -0.29 0.00	21.34 -0.36 0.00	25.09 -0.31 0.00	29.62 0.07 -0.45	42.24 0.27 0.00	74.67 0.66 0.00	25.43 0.00 0.00	20.79 -0.10 -0.43	19.44 -0.08 0.00	18.29 -0.17 0.00	15.32 -0.22 0.00	14.19 -0.24 0.00	14.81 -0.25 0.00	13.61 -0.25 0.00	16.88 -0.20 0.00	22.71 -0.04 -0.29	36.29 0.08 0.00	23.11 -0.01 0.00	27.82 -0.08 0.00	21.01 -0.12 0.00	18.07 -0.18 0.00



VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	22.50 0.83 0.00	22.44 0.79 0.00	21.57 0.76 0.00	22.02 0.66 0.00	22.41 0.72 0.00	26.38 0.97 0.00	30.37 1.28 0.00	43.39 1.43 0.00	76.50 2.50 0.00	26.14 0.71 0.00	20.97 0.50 0.00	19.98 0.46 0.00	18.84 0.36 0.00	15.81 0.27 0.00	14.79 0.37 0.00	15.47 0.40 0.00	14.25 0.39 0.00	17.65 0.56 0.00	23.28 0.83 0.00	37.61 1.41 0.00	23.96 0.84 0.00	28.83 0.93 0.00	21.81 0.68 0.00	18.83 0.57 0.00
VISCHER___FERRY HYD 24020	22.28 0.60 0.00	22.27 0.62 0.00	21.34 0.53 0.00	21.75 0.39 0.00	22.01 0.32 0.00	25.84 0.44 0.00	30.11 1.01 0.00	43.57 1.61 0.00	77.03 3.02 0.00	26.18 0.75 0.00	21.05 0.58 0.00	20.06 0.54 0.00	18.95 0.48 0.00	15.99 0.45 0.00	14.81 0.39 0.00	15.42 0.35 0.00	14.16 0.30 0.00	17.53 0.45 0.00	23.23 0.78 0.00	37.47 1.27 0.00	23.87 0.75 0.00	28.81 0.90 0.00	21.78 0.65 0.00	18.73 0.48 0.00
V_A_10_SYNC_DSASP 323832	20.22 -1.46 0.00	20.40 -1.25 0.00	19.71 -1.10 0.00	20.28 -1.08 0.00	20.84 -0.86 0.00	24.45 -0.96 0.00	27.06 -2.03 0.00	38.39 -3.58 0.00	67.66 -6.35 0.00	23.14 -2.29 0.00	18.45 -2.02 0.00	17.62 -1.91 0.00	16.83 -1.64 0.00	14.12 -1.42 0.00	13.16 -1.26 0.00	13.86 -1.21 0.00	12.70 -1.16 0.00	15.55 -1.53 0.00	20.36 -2.09 0.00	32.87 -3.34 0.00	21.06 -2.06 0.00	25.30 -2.60 0.00	18.99 -2.14 0.00	16.70 -1.55 0.00
V_CMM_10_SYNC_DSASP 323787	21.45 -0.23 0.00	21.37 -0.27 0.00	20.59 -0.22 0.00	21.28 -0.08 0.00	21.59 -0.10 0.00	25.19 -0.22 0.00	19.47 -0.53 9.09	41.21 -0.75 0.00	72.46 -1.54 0.00	25.17 -0.26 0.00	11.75 -0.15 8.56	19.41 -0.12 0.00	18.43 -0.04 0.00	15.51 -0.03 0.00	14.36 -0.06 0.00	15.02 -0.05 0.00	13.79 -0.06 0.00	16.94 -0.14 0.00	16.30 -0.27 5.88	35.72 -0.48 0.00	22.90 -0.22 0.00	27.75 -0.15 0.00	21.01 -0.12 0.00	18.17 -0.08 0.00
V_CMP_10_SYNC_DSASP 323788	-21.15 -0.74 42.09	-21.14 -0.77 42.01	-21.17 -0.71 41.27	-21.20 -0.62 41.94	-21.21 -0.67 42.24	-21.16 -0.83 45.73	-17.65 -1.14 45.60	-1.82 -1.45 42.35	-20.81 -2.78 92.04	-21.10 -0.68 45.86	-21.02 -0.48 41.00	-21.15 -0.49 40.19	-21.15 -0.41 39.22	-21.14 -0.34 36.35	-21.16 -0.36 35.22	-21.22 -0.44 35.85	-21.24 -0.45 34.65	-21.20 -0.59 37.69	-21.13 -0.83 42.75	-21.19 -1.33 56.07	-21.17 -0.73 43.56	-21.16 -0.76 48.31	-21.20 -0.63 41.71	-21.19 -0.59 38.85
V_D_10_SYNC_DSASP 323841	22.70 -0.10 -1.12	22.62 -0.14 -1.12	21.81 -0.10 -1.10	22.52 0.04 -1.12	22.83 0.01 -1.12	26.47 -0.15 -1.22	20.81 -0.46 7.82	42.46 -0.63 -1.13	75.10 -1.35 -2.45	26.46 -0.19 -1.22	12.93 -0.12 7.42	20.50 -0.10 -1.07	19.49 -0.03 -1.04	16.48 -0.03 -0.97	15.27 -0.09 -0.94	15.94 -0.09 -0.95	14.68 -0.10 -0.92	17.91 -0.17 -1.00	17.44 -0.30 4.71	37.20 -0.50 -1.49	24.11 -0.17 -1.16	29.11 -0.08 -1.29	22.16 -0.08 -1.11	19.24 -0.04 -1.03
V_E_10_SYNC_DSASP 323830	22.90 1.22 0.00	22.68 1.03 0.00	22.11 1.30 0.00	22.29 0.92 0.00	22.84 1.14 0.00	27.16 1.76 0.00	30.95 1.85 0.00	44.95 2.98 0.00	78.94 4.93 0.00	26.75 1.32 0.00	21.13 0.66 0.00	19.91 0.38 0.00	18.64 0.18 0.00	15.60 0.06 0.00	14.48 0.06 0.00	15.15 0.08 0.00	13.99 0.14 0.00	17.68 0.60 0.00	23.62 1.18 0.00	38.47 2.27 0.00	24.49 1.37 0.00	29.28 1.37 0.00	22.03 0.90 0.00	19.09 0.84 0.00
V_F_30_NSYNC___DSASP 323816	22.55 0.87 0.00	22.54 0.89 0.00	21.60 0.79 0.00	22.04 0.68 0.00	22.34 0.65 0.00	26.26 0.86 0.00	30.58 1.48 0.00	44.22 2.26 0.00	78.24 4.23 0.00	26.58 1.15 0.00	21.37 0.90 0.00	20.33 0.81 0.00	19.20 0.74 0.00	16.18 0.64 0.00	14.94 0.52 0.00	15.58 0.51 0.00	14.32 0.46 0.00	17.77 0.68 0.00	23.59 1.15 0.00	38.10 1.89 0.00	24.25 1.13 0.00	29.21 1.30 0.00	22.05 0.91 0.00	18.95 0.70 0.00
V_F_30_SYNC_DSASP 323786	22.45 0.77 0.00	22.43 0.78 0.00	21.49 0.68 0.00	21.93 0.56 0.00	22.22 0.52 0.00	26.07 0.67 0.00	30.38 1.28 0.00	43.93 1.97 0.00	77.62 3.61 0.00	26.44 1.01 0.00	21.26 0.79 0.00	20.28 0.75 0.00	19.14 0.67 0.00	16.11 0.57 0.00	14.95 0.53 0.00	15.58 0.51 0.00	14.33 0.47 0.00	17.72 0.64 0.00	23.42 0.97 0.00	37.81 1.60 0.00	24.08 0.96 0.00	29.04 1.13 0.00	21.99 0.85 0.00	18.91 0.66 0.00
V_XM_10_SYNC_DSASP 323789	-21.15 -0.74 42.09	-21.14 -0.77 42.01	-21.17 -0.71 41.27	-21.20 -0.62 41.94	-21.21 -0.67 42.24	-21.16 -0.83 45.73	-17.65 -1.14 45.60	-1.82 -1.45 42.35	-20.81 -2.78 92.04	-21.10 -0.68 45.86	-21.02 -0.48 41.00	-21.15 -0.49 40.19	-21.15 -0.41 39.22	-21.14 -0.34 36.35	-21.16 -0.36 35.22	-21.22 -0.44 35.85	-21.24 -0.45 34.65	-21.20 -0.59 37.69	-21.13 -0.83 42.75	-21.19 -1.33 56.07	-21.17 -0.73 43.56	-21.16 -0.76 48.31	-21.20 -0.63 41.71	-21.19 -0.59 38.85
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	22.72 1.04 0.00	22.64 0.99 0.00	21.65 0.84 0.00	22.00 0.64 0.00	22.35 0.65 0.00	26.29 0.88 0.00	30.75 1.66 0.00	44.59 2.63 0.00	78.66 4.65 0.00	26.85 1.42 0.00	21.56 1.09 0.00	20.54 1.02 0.00	19.33 0.86 0.00	16.25 0.70 0.00	15.11 0.69 0.00	15.77 0.70 0.00	14.54 0.68 0.00	17.95 0.87 0.00	23.65 1.21 0.00	38.36 2.15 0.00	24.42 1.30 0.00	29.32 1.42 0.00	22.23 1.10 0.00	19.11 0.86 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	22.70 1.02 0.00	22.59 0.95 0.00	21.57 0.76 0.00	21.91 0.55 0.00	22.26 0.57 0.00	26.21 0.81 0.00	30.73 1.64 0.00	44.65 2.69 0.00	78.69 4.68 0.00	26.97 1.54 0.00	21.67 1.21 0.00	20.66 1.14 0.00	19.45 0.99 0.00	16.35 0.81 0.00	15.20 0.78 0.00	15.86 0.79 0.00	14.63 0.77 0.00	18.02 0.94 0.00	23.69 1.24 0.00	38.47 2.27 0.00	24.47 1.35 0.00	29.34 1.43 0.00	22.28 1.15 0.00	19.16 0.91 0.00
W50THST__13_KV_LOAD 356117	22.83 1.15 0.00	22.71 1.07 0.00	21.69 0.88 0.00	22.03 0.67 0.00	22.39 0.70 0.00	26.36 0.96 0.00	30.93 1.83 0.00	44.95 2.98 0.00	79.29 5.29 0.00	27.20 1.76 0.00	21.85 1.38 0.00	20.83 1.30 0.00	19.62 1.15 0.00	16.49 0.96 0.00	15.33 0.91 0.00	15.99 0.93 0.00	14.75 0.89 0.00	18.16 1.08 0.00	23.86 1.41 0.00	38.73 2.52 0.00	24.63 1.51 0.00	29.53 1.62 0.00	22.42 1.29 0.00	19.27 1.02 0.00
WADING RIVER_IC_1 23522	22.86 1.18 0.00	22.55 0.91 0.00	21.61 0.80 0.00	21.93 0.57 0.00	22.18 0.49 0.00	25.92 0.51 0.00	30.72 1.63 0.00	44.35 2.38 0.00	78.39 4.39 0.00	26.76 1.33 0.00	21.62 1.15 0.00	20.54 1.02 0.00	19.26 0.79 0.00	16.14 0.60 0.00	15.18 0.75 0.00	15.95 0.88 0.00	14.88 1.02 0.00	18.36 1.28 0.00	24.06 1.61 0.00	38.81 2.60 0.00	24.72 1.60 0.00	29.55 1.65 0.00	22.49 1.36 0.00	19.35 1.10 0.00
WADING RIVER_IC_2 23547	22.86 1.18 0.00	22.55 0.91 0.00	21.61 0.80 0.00	21.93 0.57 0.00	22.18 0.49 0.00	25.92 0.51 0.00	30.72 1.63 0.00	44.35 2.38 0.00	78.39 4.39 0.00	26.76 1.33 0.00	21.62 1.15 0.00	20.54 1.02 0.00	19.26 0.79 0.00	16.14 0.60 0.00	15.18 0.75 0.00	15.95 0.88 0.00	14.88 1.02 0.00	18.36 1.28 0.00	24.06 1.61 0.00	38.81 2.60 0.00	24.72 1.60 0.00	29.55 1.65 0.00	22.49 1.36 0.00	19.35 1.10 0.00



WADING RIVER_IC_3 23601	22.86 1.18 0.00	22.55 0.91 0.00	21.61 0.80 0.00	21.93 0.57 0.00	22.18 0.49 0.00	25.92 0.51 0.00	30.72 1.63 0.00	44.35 2.38 0.00	78.39 4.39 0.00	26.76 1.33 0.00	21.62 1.15 0.00	20.54 1.02 0.00	19.26 0.79 0.00	16.14 0.60 0.00	15.18 0.75 0.00	15.95 0.88 0.00	14.88 1.02 0.00	18.36 1.28 0.00	24.06 1.61 0.00	38.81 2.60 0.00	24.72 1.60 0.00	29.55 1.65 0.00	22.49 1.36 0.00	19.35 1.10 0.00
WALDENNY_I2_KV_BK2 80841	20.45 -1.23 0.00	20.66 -0.98 0.00	19.95 -0.87 0.00	20.52 -0.84 0.00	21.10 -0.59 0.00	24.85 -0.56 0.00	27.37 -1.72 0.00	38.74 -3.23 0.00	68.49 -5.51 0.00	23.39 -2.03 0.00	18.62 -1.85 0.00	17.79 -1.74 0.00	17.00 -1.46 0.00	14.25 -1.29 0.00	13.29 -1.13 0.00	14.03 -1.04 0.00	12.82 -1.04 0.00	15.69 -1.39 0.00	20.57 -1.88 0.00	33.21 -2.99 0.00	21.33 -1.79 0.00	25.58 -2.32 0.00	19.16 -1.97 0.00	16.89 -1.36 0.00
WALDEN___HYDRO 24148	22.70 1.02 0.00	22.62 0.98 0.00	21.65 0.84 0.00	22.02 0.66 0.00	22.37 0.68 0.00	26.31 0.91 0.00	30.75 1.66 0.00	44.59 2.63 0.00	78.68 4.68 0.00	26.81 1.38 0.00	21.45 0.98 0.00	20.44 0.91 0.00	19.22 0.75 0.00	16.12 0.58 0.00	14.99 0.57 0.00	15.64 0.58 0.00	14.42 0.57 0.00	17.84 0.76 0.00	23.61 1.17 0.00	38.38 2.17 0.00	24.43 1.31 0.00	29.35 1.44 0.00	22.23 1.10 0.00	19.11 0.86 0.00
WARRENSBURG____ 23737	22.54 0.86 0.00	22.55 0.91 0.00	21.62 0.81 0.00	22.04 0.68 0.00	22.36 0.66 0.00	26.32 0.92 0.00	30.77 1.67 0.00	44.52 2.55 0.00	78.97 4.97 0.00	26.72 1.29 0.00	21.49 1.03 0.00	20.47 0.94 0.00	19.35 0.88 0.00	16.33 0.78 0.00	15.02 0.60 0.00	15.68 0.61 0.00	14.33 0.47 0.00	17.79 0.71 0.00	23.75 1.30 0.00	38.36 2.16 0.00	24.36 1.24 0.00	29.30 1.40 0.00	22.07 0.94 0.00	18.91 0.66 0.00
WATERSIDE___6 8 9 23538	22.64 0.96 0.00	22.54 0.89 0.00	21.54 0.72 0.00	21.86 0.50 0.00	22.21 0.52 0.00	26.14 0.73 0.00	30.65 1.55 0.00	44.49 2.52 0.00	78.45 4.45 0.00	26.91 1.48 0.00	21.64 1.17 0.00	20.60 1.08 0.00	19.40 0.93 0.00	16.33 0.79 0.00	15.19 0.76 0.00	15.84 0.77 0.00	14.60 0.75 0.00	18.00 0.91 0.00	23.67 1.23 0.00	38.40 2.19 0.00	24.42 1.30 0.00	29.28 1.38 0.00	22.23 1.10 0.00	19.12 0.87 0.00
WATKINRD_115KV_LN8_ILLION 55919	21.74 0.06 0.00	21.70 0.06 0.00	20.84 0.03 0.00	21.29 -0.07 0.00	21.57 -0.12 0.00	25.35 -0.05 0.00	29.84 0.28 -0.45	42.53 0.56 0.00	75.13 1.13 0.00	25.64 0.21 0.00	20.99 0.10 -0.43	19.63 0.10 0.00	18.49 0.02 0.00	15.51 -0.03 0.00	14.38 -0.05 0.00	14.99 -0.07 0.00	13.79 -0.07 0.00	17.08 0.00 0.00	22.91 0.17 -0.29	36.58 0.37 0.00	23.31 0.19 0.00	28.08 0.17 0.00	21.22 0.09 0.00	18.27 0.02 0.00
WATSON___69_KV_BK 1 55734	23.24 1.56 0.00	23.01 1.36 0.00	22.03 1.22 0.00	22.34 0.98 0.00	22.63 0.93 0.00	26.53 1.13 0.00	31.31 2.22 0.00	45.29 3.33 0.00	79.84 5.84 0.00	27.34 1.91 0.00	22.14 1.67 0.00	20.95 1.42 0.00	19.67 1.19 0.00	16.45 0.91 0.00	15.36 0.94 0.00	16.09 1.03 0.00	14.99 1.13 0.00	18.49 1.41 0.00	24.31 1.87 0.00	39.42 3.22 0.00	25.12 2.00 0.00	30.04 2.14 0.00	22.82 1.70 0.00	19.64 1.39 0.00
WDELAWARE___HYD 323627	22.92 1.24 0.00	22.83 1.19 0.00	21.85 1.04 0.00	22.24 0.87 0.00	22.61 0.92 0.00	26.60 1.20 0.00	31.05 1.95 0.00	45.05 3.09 0.00	79.54 5.54 0.00	27.13 1.70 0.00	21.61 1.15 0.00	20.69 1.17 0.00	19.38 0.91 0.00	16.23 0.69 0.00	15.11 0.69 0.00	15.76 0.69 0.00	14.55 0.69 0.00	18.03 0.94 0.00	23.84 1.39 0.00	38.80 2.59 0.00	24.71 1.59 0.00	29.67 1.76 0.00	22.46 1.32 0.00	19.30 1.05 0.00
WEST BABYLON___IC 23714	23.20 1.52 0.00	22.99 1.34 0.00	22.00 1.19 0.00	22.32 0.96 0.00	22.61 0.92 0.00	26.53 1.12 0.00	31.27 2.18 0.00	45.26 3.29 0.00	79.75 5.74 0.00	27.32 1.89 0.00	22.11 1.65 0.00	20.93 1.40 0.00	19.64 1.17 0.00	16.44 0.90 0.00	15.34 0.92 0.00	16.06 0.99 0.00	14.94 1.08 0.00	18.42 1.34 0.00	24.24 1.79 0.00	39.33 3.12 0.00	25.05 1.93 0.00	29.97 2.06 0.00	22.76 1.63 0.00	19.59 1.34 0.00
WEST CANADA___HYD 24049	21.77 0.09 0.00	21.74 0.10 0.00	20.87 0.06 0.00	21.38 0.02 0.00	21.69 0.00 0.00	25.44 0.03 0.00	29.73 0.18 -0.45	42.27 0.31 0.00	74.59 0.58 0.00	25.55 0.12 0.00	20.98 0.08 -0.43	19.59 0.07 0.00	18.51 0.04 0.00	15.57 0.03 0.00	14.45 0.03 0.00	15.09 0.03 0.00	13.88 0.03 0.00	17.13 0.05 0.00	22.86 0.12 -0.29	36.42 0.22 0.00	23.23 0.11 0.00	28.01 0.11 0.00	21.20 0.07 0.00	18.30 0.04 0.00
WESTERN_NY_WIND 24143	20.78 -0.89 0.00	20.96 -0.69 0.00	20.25 -0.56 0.00	20.87 -0.49 0.00	21.45 -0.25 0.00	25.26 -0.14 0.00	27.95 -1.14 0.00	39.70 -2.27 0.00	69.87 -4.13 0.00	23.76 -1.67 0.00	18.78 -1.69 0.00	17.89 -1.64 0.00	17.10 -1.37 0.00	14.34 -1.20 0.00	13.37 -1.05 0.00	14.16 -0.91 0.00	13.05 -0.81 0.00	15.96 -1.12 0.00	20.95 -1.50 0.00	33.97 -2.24 0.00	21.78 -1.34 0.00	26.11 -1.80 0.00	19.53 -1.61 0.00	17.15 -1.09 0.00
WESTOVER___LESR 323668	21.70 0.02 0.00	21.71 0.06 0.00	20.84 0.03 0.00	21.26 -0.10 0.00	21.67 -0.03 0.00	25.49 0.09 0.00	29.25 0.15 0.00	42.46 0.50 0.00	74.40 0.39 0.00	25.27 -0.16 0.00	20.22 -0.25 0.00	19.30 -0.23 0.00	18.24 -0.22 0.00	15.29 -0.25 0.00	14.24 -0.18 0.00	14.91 -0.16 0.00	13.70 -0.16 0.00	16.95 -0.13 0.00	22.32 -0.12 0.00	36.13 -0.08 0.00	23.03 -0.09 0.00	27.65 -0.26 0.00	20.95 -0.18 0.00	18.12 -0.13 0.00
WETHRSFD_WT_PWR 323626	19.73 -1.95 0.00	19.93 -1.72 0.00	19.22 -1.60 0.00	19.75 -1.61 0.00	20.34 -1.35 0.00	23.91 -1.50 0.00	26.32 -2.77 0.00	37.22 -4.75 0.00	65.91 -8.09 0.00	22.53 -2.90 0.00	17.95 -2.52 0.00	17.13 -2.40 0.00	16.38 -2.09 0.00	13.73 -1.81 0.00	12.82 -1.61 0.00	13.52 -1.55 0.00	12.37 -1.49 0.00	15.17 -1.91 0.00	19.89 -2.56 0.00	32.12 -4.08 0.00	20.68 -2.44 0.00	24.90 -3.01 0.00	18.65 -2.49 0.00	16.45 -1.80 0.00
WHAVSTOR_138KV_BK127 55557	22.63 0.95 0.00	22.54 0.90 0.00	21.56 0.75 0.00	21.91 0.55 0.00	22.26 0.56 0.00	26.17 0.77 0.00	30.61 1.52 0.00	44.38 2.42 0.00	78.28 4.28 0.00	26.73 1.30 0.00	21.47 1.00 0.00	20.45 0.92 0.00	19.24 0.77 0.00	16.18 0.64 0.00	15.05 0.63 0.00	15.70 0.64 0.00	14.48 0.62 0.00	17.86 0.78 0.00	23.53 1.09 0.00	38.16 1.96 0.00	24.30 1.18 0.00	29.18 1.28 0.00	22.13 1.00 0.00	19.03 0.78 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	22.63 0.95 0.00	22.54 0.90 0.00	21.56 0.75 0.00	21.91 0.55 0.00	22.26 0.56 0.00	26.17 0.77 0.00	30.61 1.52 0.00	44.38 2.42 0.00	78.28 4.28 0.00	26.73 1.30 0.00	21.47 1.00 0.00	20.45 0.92 0.00	19.24 0.77 0.00	16.18 0.64 0.00	15.05 0.63 0.00	15.70 0.64 0.00	14.48 0.62 0.00	17.86 0.78 0.00	23.53 1.09 0.00	38.16 1.96 0.00	24.30 1.18 0.00	29.18 1.28 0.00	22.13 1.00 0.00	19.03 0.78 0.00



WHITEHAL_115KV_TB1 80871	22.77 1.10 0.00	22.90 1.25 0.00	21.97 1.16 0.00	22.27 0.91 0.00	22.63 0.94 0.00	26.71 1.30 0.00	31.61 2.52 0.00	45.67 3.70 0.00	81.50 7.49 0.00	27.18 1.74 0.00	21.76 1.29 0.00	20.60 1.08 0.00	19.57 1.10 0.00	16.70 1.16 0.00	15.47 1.05 0.00	16.07 1.00 0.00	14.51 0.66 0.00	18.12 1.04 0.00	24.39 1.94 0.00	39.28 3.07 0.00	24.94 1.82 0.00	29.73 1.82 0.00	22.31 1.18 0.00	19.09 0.84 0.00
WHITEPLN_13_KV_LOAD 356215	22.85 1.18 0.00	22.75 1.11 0.00	21.75 0.94 0.00	22.10 0.74 0.00	22.46 0.76 0.00	26.42 1.01 0.00	30.94 1.85 0.00	44.91 2.94 0.00	79.24 5.24 0.00	27.09 1.66 0.00	21.73 1.26 0.00	20.73 1.20 0.00	19.50 1.03 0.00	16.39 0.86 0.00	15.25 0.82 0.00	15.91 0.84 0.00	14.67 0.81 0.00	18.11 1.03 0.00	23.85 1.41 0.00	38.70 2.49 0.00	24.62 1.50 0.00	29.54 1.64 0.00	22.39 1.26 0.00	19.25 1.00 0.00
WM_FLOYD_69_KV_BK2 356380	22.98 1.30 0.00	22.71 1.07 0.00	21.76 0.95 0.00	22.07 0.71 0.00	22.35 0.66 0.00	26.15 0.74 0.00	30.95 1.85 0.00	44.73 2.76 0.00	78.97 4.97 0.00	26.95 1.52 0.00	21.77 1.30 0.00	20.65 1.13 0.00	19.37 0.90 0.00	16.23 0.69 0.00	15.21 0.79 0.00	15.97 0.90 0.00	14.89 1.04 0.00	18.39 1.31 0.00	24.14 1.70 0.00	39.04 2.84 0.00	24.87 1.75 0.00	29.74 1.83 0.00	22.63 1.50 0.00	19.48 1.23 0.00
WOODARD__115KV_TB2 355635	21.47 -0.21 0.00	21.48 -0.16 0.00	20.66 -0.16 0.00	21.14 -0.22 0.00	21.52 -0.17 0.00	25.20 -0.21 0.00	28.71 -0.38 0.00	41.33 -0.63 0.00	72.89 -1.12 0.00	24.95 -0.48 0.00	20.00 -0.46 0.00	19.09 -0.43 0.00	18.08 -0.39 0.00	15.19 -0.35 0.00	14.12 -0.30 0.00	14.77 -0.29 0.00	13.60 -0.26 0.00	16.81 -0.28 0.00	22.05 -0.40 0.00	35.59 -0.62 0.00	22.71 -0.40 0.00	27.32 -0.58 0.00	20.66 -0.47 0.00	17.90 -0.35 0.00
YORK__WARBASSE 23770	22.75 1.07 0.00	22.65 1.00 0.00	21.64 0.83 0.00	21.98 0.61 0.00	22.33 0.63 0.00	26.29 0.89 0.00	30.80 1.71 0.00	44.62 2.65 0.00	78.71 4.71 0.00	27.02 1.60 0.00	21.72 1.26 0.00	20.68 1.15 0.00	19.47 1.00 0.00	16.38 0.84 0.00	15.23 0.80 0.00	15.88 0.82 0.00	14.65 0.79 0.00	18.07 0.98 0.00	23.79 1.34 0.00	38.59 2.38 0.00	24.54 1.42 0.00	29.42 1.52 0.00	22.33 1.20 0.00	19.19 0.94 0.00