

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

05/13/2025

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1	32.12	29.40	28.02	27.92	29.78	32.79	40.88	41.67	41.27	38.40	38.56	37.46	36.72	37.64	39.34	41.34	44.29	51.37	53.74	55.38	54.48	45.03	36.58	34.39
24138	2.52	2.45	2.31	2.14	1.87	1.97	2.67	3.09	3.34	3.20	2.99	2.90	2.97	3.04	3.18	3.31	3.36	3.67	3.66	3.67	3.71	2.91	2.68	2.42
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.55
74TH STREET_GT_1	32.00	29.32	27.95	27.84	29.70	32.70	40.73	41.52	41.08	38.22	38.42	37.42	36.68	37.57	39.31	41.26	44.24	51.37	53.74	55.38	54.48	45.03	36.58	34.39
24260	2.40	2.37	2.24	2.06	1.79	1.88	2.52	2.93	3.15	3.03	2.85	2.87	2.94	2.98	3.15	3.23	3.32	3.67	3.66	3.67	3.71	2.91	2.68	2.42
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.55
74TH STREET_GT_2	32.00	29.32	27.95	27.84	29.70	32.70	40.73	41.52	41.08	38.22	38.42	37.42	36.68	37.57	39.31	41.26	44.24	51.37	53.74	55.38	54.48	45.03	36.58	34.39
24261	2.40	2.37	2.24	2.06	1.79	1.88	2.52	2.93	3.15	3.03	2.85	2.87	2.94	2.98	3.15	3.23	3.32	3.67	3.66	3.67	3.71	2.91	2.68	2.42
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.55
ADK HUDSON___FALLS	32.94	28.54	27.15	27.18	29.43	37.43	50.05	47.84	40.42	36.36	37.04	36.05	34.96	36.38	37.91	39.82	43.70	50.41	53.19	55.07	54.12	44.65	35.97	34.87
24011	1.60	1.59	1.44	1.37	1.28	1.48	1.99	2.01	1.52	1.16	1.35	1.35	1.21	1.38	1.59	1.79	2.21	2.72	3.11	3.36	3.35	2.53	2.07	1.82
	-1.74	0.00	0.00	-0.03	-0.24	-5.13	-9.86	-7.25	-0.97	0.00	-0.11	-0.15	0.00	-0.40	-0.16	0.00	-0.56	0.00	0.00	0.00	0.00	0.00	0.00	-4.62
ADK RESOURCE___RCVRY	32.93	28.59	27.23	27.25	29.45	37.32	49.77	47.70	40.50	36.43	37.11	36.15	35.06	36.47	38.01	39.93	43.84	50.61	53.44	55.33	54.38	44.86	36.10	34.99
23798	1.66	1.64	1.52	1.44	1.31	1.57	2.10	2.16	1.63	1.23	1.42	1.45	1.31	1.49	1.70	1.90	2.37	2.91	3.36	3.62	3.61	2.74	2.20	1.93
	-1.67	0.00	0.00	-0.03	-0.23	-4.93	-9.46	-6.95	-0.93	0.00	-0.11	-0.14	0.00	-0.39	-0.15	0.00	-0.53	0.00	0.00	0.00	0.00	0.00	0.00	-4.63
ADK S GLENS___FALLS	32.94	28.54	27.15	27.18	29.43	37.43	50.05	47.84	40.42	36.36	37.04	36.05	34.96	36.38	37.91	39.82	43.70	50.41	53.19	55.07	54.12	44.65	35.97	34.87
24028	1.60	1.59	1.44	1.37	1.28	1.48	1.99	2.01	1.52	1.16	1.35	1.35	1.21	1.38	1.59	1.79	2.21	2.72	3.11	3.36	3.35	2.53	2.07	1.82
	-1.74	0.00	0.00	-0.03	-0.24	-5.13	-9.86	-7.25	-0.97	0.00	-0.11	-0.15	0.00	-0.40	-0.16	0.00	-0.56	0.00	0.00	0.00	0.00	0.00	0.00	-4.62
ADK_NYS___DAM	35.15	28.45	27.10	27.22	29.59	43.91	62.46	57.00	41.57	36.29	37.11	36.25	34.93	36.94	37.97	39.36	43.80	49.70	52.39	54.14	53.21	44.02	35.66	34.53
23527	1.57	1.51	1.39	1.37	1.14	1.35	1.72	1.85	1.40	1.09	1.28	1.35	1.18	1.42	1.45	1.33	1.59	2.00	2.31	2.43	2.44	1.90	1.76	1.59
	-3.99	0.00	0.00	-0.07	-0.54	-11.73	-22.53	-16.56	-2.23	0.00	-0.26	-0.35	0.00	-0.93	-0.36	0.00	-1.28	0.00	0.00	0.00	0.00	0.00	0.00	-4.52
AIR_PRODUCTS___DRP	28.15	27.54	26.27	26.26	27.97	25.20	27.24	30.76	37.08	35.41	35.69	34.69	34.02	34.53	36.41	38.45	40.72	48.17	50.59	52.23	51.33	42.46	34.51	33.53
24190	0.56	0.59	0.57	0.52	0.33	0.31	0.42	0.54	0.30	0.21	0.25	0.31	0.27	0.42	0.43	0.42	0.45	0.48	0.50	0.52	0.56	0.34	0.61	0.63
	2.01	0.00	0.00	0.03	0.27	5.93	11.39	8.37	1.15	0.00	0.13	0.18	0.00	0.48	0.19	0.00	0.66	0.00	0.00	0.00	0.00	0.00	0.00	-4.48
AKWESSNE_115KV_BK	29.19	26.46	25.22	25.40	27.80	30.73	38.09	38.55	38.01	35.30	35.72	34.69	33.92	34.70	36.20	38.10	41.05	47.70	50.14	51.71	50.72	42.12	33.59	27.86
355683	-0.41	-0.49	-0.49	-0.39	-0.11	-0.09	-0.11	-0.04	0.08	0.11	0.14	0.14	0.17	0.10	0.04	0.08	0.12	0.00	0.05	0.00	-0.05	0.00	-0.31	-0.57
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR	29.24	27.97	26.69	26.69	28.48	27.64	31.50	33.89	37.92	35.51	35.93	34.94	34.15	34.93	36.75	38.71	41.48	48.79	51.34	53.11	52.19	43.22	35.01	33.73
323833	1.01	1.02	0.98	0.93	0.75	0.83	0.99	0.97	0.61	0.32	0.43	0.48	0.41	0.59	0.69	0.69	0.90	1.10	1.25	1.40	1.42	1.09	1.12	0.97
	1.36	0.00	0.00	0.02	0.18	4.01	7.70	5.66	0.61	0.00	0.07	0.10	0.00	0.26	0.10	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	-4.34
ALBANY_2_SOLAR	29.25	27.97	26.66	26.66	28.48	27.61	31.51	33.90	37.92	35.51	35.93	34.94	34.15	34.93	36.75	38.71	41.48	48.74	51.34	53.11	52.19	43.22	34.98	33.73
323834	1.01	1.02	0.95	0.90	0.75	0.80	0.99	0.97	0.61	0.32	0.43	0.48	0.41	0.59	0.69	0.69	0.90	1.05	1.25	1.40	1.42	1.09	1.08	0.97
	1.36	0.00	0.00	0.02	0.18	4.01	7.69	5.65	0.61	0.00	0.07	0.10	0.00	0.26	0.10	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	-4.34
ALBANY___1	28.15	27.54	26.27	26.26	27.97	25.20	27.24	30.76	37.08	35.41	35.69	34.69	34.02	34.53	36.41	38.45	40.72	48.17	50.59	52.23	51.33	42.46	34.51	33.53
23571	0.56	0.59	0.57	0.52	0.33	0.31	0.42	0.54	0.30	0.21	0.25	0.31	0.27	0.42	0.43	0.42	0.45	0.48	0.50	0.52	0.56	0.34	0.61	0.63
	2.01	0.00	0.00	0.03	0.27	5.93	11.39	8.37	1.15	0.00	0.13	0.18	0.00	0.48	0.19	0.00	0.66	0.00	0.00	0.00	0.00	0.00	0.00	-4.48

ALBANY___2 23572	28.15 0.56 2.01	27.54 0.59 0.00	26.27 0.57 0.00	26.26 0.52 0.03	27.97 0.33 0.27	25.20 0.31 5.93	27.24 0.42 11.39	30.76 0.54 8.37	37.08 0.30 1.15	35.41 0.21 0.00	35.69 0.25 0.13	34.69 0.31 0.18	34.02 0.27 0.00	34.53 0.42 0.48	36.41 0.43 0.19	38.45 0.42 0.00	40.72 0.45 0.66	48.17 0.48 0.00	50.59 0.50 0.00	52.23 0.52 0.00	51.33 0.56 0.00	42.46 0.34 0.00	34.51 0.61 0.00	33.53 0.63 -4.48
ALBANY___3 23573	28.15 0.56 2.01	27.54 0.59 0.00	26.27 0.57 0.00	26.26 0.52 0.03	27.97 0.33 0.27	25.20 0.31 5.93	27.24 0.42 11.39	30.76 0.54 8.37	37.08 0.30 1.15	35.41 0.21 0.00	35.69 0.25 0.13	34.69 0.31 0.18	34.02 0.27 0.00	34.53 0.42 0.48	36.41 0.43 0.19	38.45 0.42 0.00	40.72 0.45 0.66	48.17 0.48 0.00	50.59 0.50 0.00	52.23 0.52 0.00	51.33 0.56 0.00	42.46 0.34 0.00	34.51 0.61 0.00	33.53 0.63 -4.48
ALBANY___4 23574	28.15 0.56 2.01	27.54 0.59 0.00	26.27 0.57 0.00	26.26 0.52 0.03	27.97 0.33 0.27	25.20 0.31 5.93	27.24 0.42 11.39	30.76 0.54 8.37	37.08 0.30 1.15	35.41 0.21 0.00	35.69 0.25 0.13	34.69 0.31 0.18	34.02 0.27 0.00	34.53 0.42 0.48	36.41 0.43 0.19	38.45 0.42 0.00	40.72 0.45 0.66	48.17 0.48 0.00	50.59 0.50 0.00	52.23 0.52 0.00	51.33 0.56 0.00	42.46 0.34 0.00	34.51 0.61 0.00	33.53 0.63 -4.48
ALBANY___LFGE 323615	28.49 0.80 1.91	27.78 0.84 0.00	26.48 0.77 0.00	26.47 0.72 0.03	28.15 0.50 0.26	25.76 0.56 5.62	28.15 0.72 10.79	31.50 0.85 7.93	37.45 0.61 1.09	35.69 0.49 0.00	36.01 0.57 0.13	35.04 0.65 0.17	34.36 0.61 0.00	34.87 0.73 0.45	36.78 0.79 0.18	38.83 0.80 0.00	41.16 0.86 0.62	48.65 0.95 0.00	51.14 1.05 0.00	52.80 1.09 0.00	51.84 1.07 0.00	42.88 0.76 0.00	34.81 0.92 0.00	33.83 0.88 -4.52
ALCOA_PA_115KV_PL-6C 55860	29.16 -0.44 0.00	26.43 -0.51 0.00	25.17 -0.54 0.00	25.37 -0.41 0.00	27.80 -0.11 0.00	30.85 0.03 0.00	38.21 0.00 0.00	38.66 0.08 0.00	38.12 0.19 0.00	35.41 0.21 0.00	35.79 0.21 0.00	34.79 0.24 0.00	34.02 0.27 0.00	34.80 0.21 0.00	36.31 0.14 0.00	38.22 0.19 0.00	41.17 0.25 0.00	47.70 0.00 0.00	50.14 0.05 0.00	51.71 0.00 0.00	50.72 -0.05 0.00	42.25 0.13 0.00	33.56 -0.34 0.00	27.83 -0.60 0.00
ALCOA_RYNLDS___DRP 24188	29.16 -0.44 0.00	26.43 -0.51 0.00	25.17 -0.54 0.00	25.37 -0.41 0.00	27.80 -0.11 0.00	30.85 0.03 0.00	38.21 0.00 0.00	38.66 0.08 0.00	38.12 0.19 0.00	35.41 0.21 0.00	35.79 0.21 0.00	34.79 0.24 0.00	34.02 0.27 0.00	34.80 0.21 0.00	36.31 0.14 0.00	38.22 0.19 0.00	41.17 0.25 0.00	47.70 0.00 0.00	50.14 0.05 0.00	51.71 0.00 0.00	50.72 -0.05 0.00	42.25 0.13 0.00	33.56 -0.34 0.00	27.83 -0.60 0.00
ALCOA___DSASP 323711	29.16 -0.44 0.00	26.43 -0.51 0.00	25.17 -0.54 0.00	25.37 -0.41 0.00	27.80 -0.11 0.00	30.85 0.03 0.00	38.21 0.00 0.00	38.66 0.08 0.00	38.12 0.19 0.00	35.41 0.21 0.00	35.79 0.21 0.00	34.80 0.24 0.00	34.02 0.27 0.00	34.80 0.21 0.00	36.31 0.15 0.00	38.22 0.19 0.00	41.18 0.25 0.00	47.70 0.00 0.00	50.14 0.05 0.00	51.71 0.00 0.00	50.72 -0.05 0.00	42.25 0.13 0.00	33.56 -0.34 0.00	27.83 -0.60 0.00
ALLEGHENY___COGEN 23514	29.72 0.12 0.00	26.84 -0.11 0.00	25.68 -0.03 0.00	25.68 -0.10 0.00	27.52 -0.39 0.00	30.85 0.03 0.00	37.90 -0.31 0.00	37.93 -0.66 0.00	36.83 -1.10 0.00	33.61 -1.58 0.00	33.83 -1.74 0.00	32.44 -2.11 0.00	31.49 -2.26 0.00	32.35 -2.25 0.00	33.88 -2.28 0.00	35.86 -2.17 0.00	38.72 -2.21 0.00	45.93 -1.76 0.00	48.79 -1.30 0.00	51.03 -0.67 0.00	50.06 -0.71 0.00	41.87 -0.25 0.00	33.63 -0.27 0.00	28.85 -0.20 -0.63
ALTAMONT_115KV_TB 2 55880	29.53 0.86 0.93	27.81 0.86 0.00	26.53 0.82 0.00	26.54 0.77 0.02	28.43 0.64 0.13	28.72 0.65 2.74	33.75 0.80 5.26	35.61 0.89 3.87	38.17 0.76 0.53	35.83 0.63 0.00	36.15 0.64 0.06	35.13 0.66 0.08	34.39 0.64 0.00	35.10 0.73 0.22	36.87 0.80 0.09	38.83 0.80 0.00	41.53 0.90 0.30	48.75 1.05 0.00	51.19 1.10 0.00	52.90 1.19 0.00	51.94 1.17 0.00	43.01 0.88 0.00	34.85 0.95 0.00	33.81 0.91 -4.48
ALTONA_WT_PWR 323606	30.25 0.65 0.00	27.27 0.32 0.00	25.81 0.10 0.00	25.83 0.05 0.00	28.05 0.14 0.00	30.85 0.03 0.00	38.21 0.00 0.00	38.86 0.27 0.00	38.65 0.72 0.00	36.04 0.84 0.00	36.46 0.89 0.00	35.38 0.83 0.00	34.66 0.91 0.00	35.49 0.90 0.00	37.03 0.87 0.00	38.86 0.84 0.00	41.79 0.86 0.00	48.65 0.95 0.00	51.04 0.95 0.00	52.49 0.78 0.00	51.08 0.31 0.00	42.08 -0.04 0.00	33.56 -0.34 0.00	27.86 -0.57 0.00
AMERICAN_REF_FUEL 24010	27.50 -2.10 0.00	24.74 -2.21 0.00	23.78 -1.93 0.00	23.77 -2.01 0.00	25.34 -2.57 0.00	28.23 -2.59 0.00	34.47 -3.74 0.00	34.50 -4.09 0.00	33.99 -3.95 0.00	31.29 -3.91 0.00	31.55 -4.02 0.00	30.30 -4.25 0.00	29.43 -4.32 0.00	30.23 -4.36 0.00	31.57 -4.59 0.00	33.20 -4.83 0.00	35.61 -5.32 0.00	41.68 -6.01 0.00	44.08 -6.01 0.00	45.76 -5.94 0.00	44.98 -5.79 0.00	37.83 -4.30 0.00	30.71 -3.19 0.00	26.57 -2.42 -0.56
ARKWRIGHT___SUMMIT_WT_PWR 323751	28.45 -1.15 0.00	25.63 -1.32 0.00	24.68 -1.03 0.00	24.72 -1.06 0.00	26.40 -1.51 0.00	29.65 -1.17 0.00	36.34 -1.87 0.00	36.74 -1.85 0.00	36.04 -1.90 0.00	33.09 -2.11 0.00	33.23 -2.35 0.00	31.93 -2.63 0.00	30.84 -2.90 0.00	31.55 -3.04 0.00	32.98 -3.18 0.00	34.68 -3.35 0.00	37.25 -3.68 0.00	43.45 -4.25 0.00	45.88 -4.21 0.00	47.47 -4.24 0.00	46.56 -4.21 0.00	39.01 -3.12 0.00	31.52 -2.37 0.00	26.88 -2.19 -0.64
ARTHUR KILL_GT_1 23520	31.90 2.28 -0.02	29.37 2.40 -0.02	28.07 2.34 -0.02	27.97 2.17 -0.02	29.86 1.93 -0.02	32.84 2.00 -0.02	40.53 2.29 -0.03	41.13 2.55 0.00	40.63 2.69 0.00	37.87 2.67 0.00	38.08 2.45 -0.05	44.10 2.59 -6.95	47.07 2.67 -10.66	77.23 2.73 -39.91	50.45 2.86 -11.43	50.49 2.97 -9.50	51.84 3.03 -7.88	51.39 3.29 -0.40	53.38 3.26 -0.03	55.53 3.31 -0.51	72.24 3.30 -18.17	50.48 2.53 -5.83	47.79 2.41 -11.49	46.40 2.13 -15.84
ARTHUR_KILL_2 23512	31.84 2.22 -0.02	29.29 2.32 -0.02	27.99 2.26 -0.02	27.89 2.09 -0.02	29.94 2.01 -0.02	32.75 1.91 -0.02	40.46 2.22 -0.03	41.06 2.47 0.00	40.55 2.62 0.00	37.76 2.57 0.00	38.01 2.38 -0.05	44.06 2.56 -6.95	46.97 2.56 -10.66	77.17 2.66 -39.91	50.38 2.78 -11.43	50.38 2.85 -9.50	51.72 2.91 -7.88	51.25 3.15 -0.40	53.23 3.11 -0.03	55.37 3.15 -0.51	72.09 3.15 -18.17	50.39 2.44 -5.83	47.69 2.31 -11.49	46.34 2.07 -15.84
ARTHUR_KILL_3 23513	31.81 2.19 -0.01	29.12 2.16 -0.01	27.73 2.01 -0.01	27.60 1.80 -0.01	29.54 1.62 -0.01	32.40 1.57 -0.01	40.45 2.22 -0.02	41.14 2.55 0.00	40.74 2.81 0.00	37.91 2.71 0.00	38.14 2.53 -0.04	44.12 2.62 -6.95	47.03 2.63 -10.65	77.16 2.66 -39.90	50.39 2.78 -11.44	50.42 2.89 -9.51	51.72 2.91 -7.89	51.25 3.15 -0.41	53.23 3.11 -0.04	55.33 3.10 -0.52	72.10 3.15 -18.17	50.51 2.57 -5.82	47.82 2.44 -11.48	46.48 2.22 -15.83

ARTHUR_KILL_COGEN 323718	31.90 2.28 -0.02	29.37 2.40 -0.02	28.07 2.34 -0.02	27.97 2.17 -0.02	30.03 2.09 -0.02	32.84 2.00 -0.02	40.53 2.29 -0.03	41.13 2.55 0.00	40.63 2.69 0.00	37.84 2.64 0.00	38.11 2.49 -0.05	44.17 2.66 -6.95	47.07 2.67 -10.66	77.23 2.73 -39.91	50.45 2.86 -11.43	50.49 2.97 -9.50	51.84 3.03 -7.88	51.39 3.29 -0.40	53.37 3.25 -0.03	55.53 3.31 -0.51	72.24 3.30 -18.17	50.52 2.57 -5.83	47.79 2.41 -11.49	46.40 2.13 -15.84
ASHOKAN____ 23654	30.68 2.07 0.99	28.67 1.73 0.00	27.28 1.57 0.00	27.39 1.63 0.02	29.34 1.56 0.13	29.63 1.72 2.92	34.90 2.29 5.60	37.05 2.59 4.12	39.92 2.39 0.40	36.57 1.37 0.00	37.41 1.88 0.05	36.29 1.80 0.06	35.03 1.28 0.00	36.36 1.94 0.17	38.19 2.10 0.07	39.66 1.63 0.00	43.28 2.58 0.23	50.03 2.34 0.00	52.64 2.55 0.00	54.50 2.79 0.00	53.56 2.79 0.00	44.35 2.23 0.00	35.79 1.90 0.00	32.96 0.57 -3.97
ASTORIA_EAST_ENERGY_CC1 323581	31.85 2.25 0.00	29.42 2.48 0.00	28.02 2.31 0.00	27.90 2.11 0.00	29.83 1.92 0.00	32.38 1.57 0.01	40.26 2.06 0.01	41.09 2.51 0.01	40.69 2.77 0.01	37.90 2.71 0.01	38.13 2.56 0.01	37.27 2.73 0.01	36.47 2.73 0.01	37.39 2.80 0.01	39.08 2.93 0.01	41.02 3.00 0.01	43.99 3.07 0.01	50.98 3.29 0.01	53.33 3.25 0.01	54.96 3.26 0.01	54.06 3.30 0.01	44.68 2.57 0.01	36.30 2.41 0.00	34.20 2.22 -3.55
ASTORIA_EAST_ENERGY_CC2 323582	31.85 2.25 0.00	29.42 2.48 0.00	28.02 2.31 0.00	27.90 2.11 0.00	29.83 1.92 0.00	32.38 1.57 0.01	40.26 2.06 0.01	41.09 2.51 0.01	40.69 2.77 0.01	37.90 2.71 0.01	38.13 2.56 0.01	37.27 2.73 0.01	36.47 2.73 0.01	37.39 2.80 0.01	39.08 2.93 0.01	41.02 3.00 0.01	43.99 3.07 0.01	50.98 3.29 0.01	53.33 3.25 0.01	54.96 3.26 0.01	54.06 3.30 0.01	44.68 2.57 0.01	36.30 2.41 0.00	34.20 2.22 -3.55
ASTORIA_GT2_1 24094	31.88 2.28 0.00	29.42 2.48 0.00	28.05 2.34 0.00	27.92 2.14 0.00	29.47 1.56 0.00	32.39 1.57 0.00	40.31 2.10 0.00	41.10 2.51 0.00	40.74 2.81 0.00	37.94 2.75 0.00	38.17 2.60 0.00	37.21 2.66 0.00	36.48 2.73 0.00	37.42 2.84 0.01	39.09 2.93 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.34 3.26 0.00	55.02 3.31 0.00	54.07 3.30 0.00	44.65 2.53 0.00	36.34 2.44 0.00	34.19 2.22 -3.55
ASTORIA_GT2_2 24095	31.88 2.28 0.00	29.42 2.48 0.00	28.05 2.34 0.00	27.92 2.14 0.00	29.47 1.56 0.00	32.39 1.57 0.00	40.31 2.10 0.00	41.10 2.51 0.00	40.74 2.81 0.00	37.94 2.75 0.00	38.17 2.60 0.00	37.21 2.66 0.00	36.48 2.73 0.00	37.42 2.84 0.01	39.09 2.93 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.34 3.26 0.00	55.02 3.31 0.00	54.07 3.30 0.00	44.65 2.53 0.00	36.34 2.44 0.00	34.19 2.22 -3.55
ASTORIA_GT2_3 24096	31.88 2.28 0.00	29.42 2.48 0.00	28.05 2.34 0.00	27.92 2.14 0.00	29.47 1.56 0.00	32.39 1.57 0.00	40.31 2.10 0.00	41.10 2.51 0.00	40.74 2.81 0.00	37.94 2.75 0.00	38.17 2.60 0.00	37.21 2.66 0.00	36.48 2.73 0.00	37.42 2.84 0.01	39.09 2.93 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.34 3.26 0.00	55.02 3.31 0.00	54.07 3.30 0.00	44.65 2.53 0.00	36.34 2.44 0.00	34.19 2.22 -3.55
ASTORIA_GT2_4 24097	31.88 2.28 0.00	29.42 2.48 0.00	28.05 2.34 0.00	27.92 2.14 0.00	29.47 1.56 0.00	32.39 1.57 0.00	40.31 2.10 0.00	41.10 2.51 0.00	40.74 2.81 0.00	37.94 2.75 0.00	38.17 2.60 0.00	37.21 2.66 0.00	36.48 2.73 0.00	37.42 2.84 0.01	39.09 2.93 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.34 3.26 0.00	55.02 3.31 0.00	54.07 3.30 0.00	44.65 2.53 0.00	36.34 2.44 0.00	34.19 2.22 -3.55
ASTORIA_GT3_1 24098	31.88 2.28 0.00	29.42 2.48 0.00	28.05 2.34 0.00	27.92 2.14 0.00	29.47 1.56 0.00	32.39 1.57 0.00	40.31 2.10 0.00	41.10 2.51 0.00	40.74 2.81 0.00	37.94 2.75 0.00	38.17 2.60 0.00	37.21 2.66 0.00	36.48 2.73 0.00	37.42 2.84 0.01	39.09 2.93 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.34 3.26 0.00	55.02 3.31 0.00	54.07 3.30 0.00	44.65 2.53 0.00	36.34 2.44 0.00	34.19 2.22 -3.55
ASTORIA_GT3_2 24099	31.88 2.28 0.00	29.42 2.48 0.00	28.05 2.34 0.00	27.92 2.14 0.00	29.47 1.56 0.00	32.39 1.57 0.00	40.31 2.10 0.00	41.10 2.51 0.00	40.74 2.81 0.00	37.94 2.75 0.00	38.17 2.60 0.00	37.21 2.66 0.00	36.48 2.73 0.00	37.42 2.84 0.01	39.09 2.93 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.34 3.26 0.00	55.02 3.31 0.00	54.07 3.30 0.00	44.65 2.53 0.00	36.34 2.44 0.00	34.19 2.22 -3.55
ASTORIA_GT3_3 24100	31.88 2.28 0.00	29.42 2.48 0.00	28.05 2.34 0.00	27.92 2.14 0.00	29.47 1.56 0.00	32.39 1.57 0.00	40.31 2.10 0.00	41.10 2.51 0.00	40.74 2.81 0.00	37.94 2.75 0.00	38.17 2.60 0.00	37.21 2.66 0.00	36.48 2.73 0.00	37.42 2.84 0.01	39.09 2.93 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.34 3.26 0.00	55.02 3.31 0.00	54.07 3.30 0.00	44.65 2.53 0.00	36.34 2.44 0.00	34.19 2.22 -3.55
ASTORIA_GT3_4 24101	31.88 2.28 0.00	29.42 2.48 0.00	28.05 2.34 0.00	27.92 2.14 0.00	29.47 1.56 0.00	32.39 1.57 0.00	40.31 2.10 0.00	41.10 2.51 0.00	40.74 2.81 0.00	37.94 2.75 0.00	38.17 2.60 0.00	37.21 2.66 0.00	36.48 2.73 0.00	37.42 2.84 0.01	39.09 2.93 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.34 3.26 0.00	55.02 3.31 0.00	54.07 3.30 0.00	44.65 2.53 0.00	36.34 2.44 0.00	34.19 2.22 -3.55
ASTORIA_GT4_1 24102	31.88 2.28 0.00	29.42 2.48 0.00	28.05 2.34 0.00	27.92 2.14 0.00	29.47 1.56 0.00	32.39 1.57 0.00	40.31 2.10 0.00	41.10 2.51 0.00	40.74 2.81 0.00	37.94 2.75 0.00	38.17 2.60 0.00	37.21 2.66 0.00	36.48 2.73 0.00	37.42 2.84 0.01	39.09 2.93 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.34 3.26 0.00	55.02 3.31 0.00	54.07 3.30 0.00	44.65 2.53 0.00	36.34 2.44 0.00	34.19 2.22 -3.55
ASTORIA_GT4_2 24103	31.88 2.28 0.00	29.42 2.48 0.00	28.05 2.34 0.00	27.92 2.14 0.00	29.47 1.56 0.00	32.39 1.57 0.00	40.31 2.10 0.00	41.10 2.51 0.00	40.74 2.81 0.00	37.94 2.75 0.00	38.17 2.60 0.00	37.21 2.66 0.00	36.48 2.73 0.00	37.42 2.84 0.01	39.09 2.93 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.34 3.26 0.00	55.02 3.31 0.00	54.07 3.30 0.00	44.65 2.53 0.00	36.34 2.44 0.00	34.19 2.22 -3.55
ASTORIA_GT4_3 24104	31.88 2.28 0.00	29.42 2.48 0.00	28.05 2.34 0.00	27.92 2.14 0.00	29.47 1.56 0.00	32.39 1.57 0.00	40.31 2.10 0.00	41.10 2.51 0.00	40.74 2.81 0.00	37.94 2.75 0.00	38.17 2.60 0.00	37.21 2.66 0.00	36.48 2.73 0.00	37.42 2.84 0.01	39.09 2.93 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.34 3.26 0.00	55.02 3.31 0.00	54.07 3.30 0.00	44.65 2.53 0.00	36.34 2.44 0.00	34.19 2.22 -3.55

ASTORIA_GT4_4 24105	31.88 2.28 0.00	29.42 2.48 0.00	28.05 2.34 0.00	27.92 2.14 0.00	29.47 1.56 0.00	32.39 1.57 0.00	40.31 2.10 0.00	41.10 2.51 0.00	40.74 2.81 0.00	37.94 2.75 0.00	38.17 2.60 0.00	37.21 2.66 0.00	36.48 2.73 0.00	37.42 2.84 0.01	39.09 2.93 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.34 3.26 0.00	55.02 3.31 0.00	54.07 3.30 0.00	44.65 2.53 0.00	36.34 2.44 0.00	34.19 2.22 -3.55
ASTORIA_GT_1 23523	31.91 2.31 0.00	29.48 2.53 0.00	28.07 2.37 0.00	27.95 2.17 0.00	29.50 1.59 0.00	32.45 1.63 0.00	40.35 2.14 0.00	41.17 2.59 0.00	40.82 2.88 0.00	38.01 2.82 0.00	38.24 2.67 0.00	37.28 2.73 0.00	36.55 2.80 0.00	37.49 2.91 0.01	39.16 3.00 0.00	41.11 3.08 0.00	44.12 3.19 0.00	51.13 3.43 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.18 3.40 0.00	44.73 2.61 0.00	36.37 2.47 0.00	34.25 2.27 -3.55
ASTORIA_GT_10 24110	31.91 2.31 0.00	29.29 2.34 0.00	27.92 2.21 0.00	27.79 2.01 0.00	29.56 1.65 0.00	32.51 1.70 0.00	40.43 2.22 0.00	41.21 2.62 0.00	40.82 2.88 0.00	38.01 2.82 0.00	38.21 2.63 0.00	37.28 2.73 0.00	36.55 2.80 0.00	38.00 2.87 -0.54	39.16 3.00 0.00	41.11 3.08 0.00	44.08 3.15 0.00	51.13 3.43 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.18 3.40 0.00	44.73 2.61 0.00	36.41 2.51 0.00	34.25 2.27 -3.55
ASTORIA_GT_11 24225	31.91 2.31 0.00	29.29 2.34 0.00	27.92 2.21 0.00	27.79 2.01 0.00	29.56 1.65 0.00	32.51 1.70 0.00	40.43 2.22 0.00	41.21 2.62 0.00	40.82 2.88 0.00	38.01 2.82 0.00	38.21 2.63 0.00	37.28 2.73 0.00	36.55 2.80 0.00	38.00 2.87 -0.54	39.16 3.00 0.00	41.11 3.08 0.00	44.08 3.15 0.00	51.13 3.43 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.18 3.40 0.00	44.73 2.61 0.00	36.41 2.51 0.00	34.25 2.27 -3.55
ASTORIA_GT_12 24226	31.91 2.31 0.00	29.29 2.34 0.00	27.92 2.21 0.00	27.79 2.01 0.00	29.56 1.65 0.00	32.51 1.70 0.00	40.43 2.22 0.00	41.21 2.62 0.00	40.82 2.88 0.00	38.01 2.82 0.00	38.21 2.63 0.00	37.28 2.73 0.00	36.55 2.80 0.00	38.00 2.87 -0.54	39.16 3.00 0.00	41.11 3.08 0.00	44.08 3.15 0.00	51.13 3.43 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.18 3.40 0.00	44.73 2.61 0.00	36.41 2.51 0.00	34.25 2.27 -3.55
ASTORIA_GT_13 24227	31.91 2.31 0.00	29.29 2.34 0.00	27.92 2.21 0.00	27.79 2.01 0.00	29.56 1.65 0.00	32.51 1.70 0.00	40.43 2.22 0.00	41.21 2.62 0.00	40.82 2.88 0.00	38.01 2.82 0.00	38.21 2.63 0.00	37.28 2.73 0.00	36.55 2.80 0.00	38.00 2.87 -0.54	39.16 3.00 0.00	41.11 3.08 0.00	44.08 3.15 0.00	51.13 3.43 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.18 3.40 0.00	44.73 2.61 0.00	36.41 2.51 0.00	34.25 2.27 -3.55
ASTORIA_GT_5 24106	31.91 2.31 0.00	29.48 2.53 0.00	28.07 2.37 0.00	27.95 2.17 0.00	29.50 1.59 0.00	32.45 1.63 0.00	40.35 2.14 0.00	41.17 2.59 0.00	40.82 2.88 0.00	38.01 2.82 0.00	38.24 2.67 0.00	37.28 2.73 0.00	36.55 2.80 0.00	37.49 2.91 0.01	39.16 3.00 0.00	41.11 3.08 0.00	44.12 3.19 0.00	51.13 3.43 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.18 3.40 0.00	44.73 2.61 0.00	36.37 2.47 0.00	34.25 2.27 -3.55
ASTORIA_GT_7 24107	31.91 2.31 0.00	29.48 2.53 0.00	28.07 2.37 0.00	27.95 2.17 0.00	29.50 1.59 0.00	32.45 1.63 0.00	40.35 2.14 0.00	41.17 2.59 0.00	40.82 2.88 0.00	38.01 2.82 0.00	38.24 2.67 0.00	37.28 2.73 0.00	36.55 2.80 0.00	37.49 2.91 0.01	39.16 3.00 0.00	41.11 3.08 0.00	44.12 3.19 0.00	51.13 3.43 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.18 3.40 0.00	44.73 2.61 0.00	36.37 2.47 0.00	34.25 2.27 -3.55
ASTORIA_GT_8 24108	31.91 2.31 0.00	29.48 2.53 0.00	28.07 2.37 0.00	27.95 2.17 0.00	29.50 1.59 0.00	32.45 1.63 0.00	40.35 2.14 0.00	41.17 2.59 0.00	40.82 2.88 0.00	38.01 2.82 0.00	38.24 2.67 0.00	37.28 2.73 0.00	36.55 2.80 0.00	37.49 2.91 0.01	39.16 3.00 0.00	41.11 3.08 0.00	44.12 3.19 0.00	51.13 3.43 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.18 3.40 0.00	44.73 2.61 0.00	36.37 2.47 0.00	34.25 2.27 -3.55
ASTORIA___2 24149	31.88 2.28 0.00	29.42 2.48 0.00	28.05 2.34 0.00	27.92 2.14 0.00	29.83 1.92 0.00	32.38 1.57 0.01	40.30 2.10 0.01	41.09 2.51 0.01	40.73 2.81 0.01	37.90 2.71 0.01	38.16 2.60 0.01	37.31 2.77 0.01	36.47 2.73 0.01	37.39 2.80 0.01	39.08 2.93 0.01	41.02 3.00 0.01	43.99 3.07 0.01	51.03 3.34 0.01	53.33 3.25 0.01	55.01 3.31 0.01	54.06 3.30 0.01	44.68 2.57 0.01	36.34 2.44 0.00	34.20 2.22 -3.55
ASTORIA___3 23516	31.91 2.31 0.00	29.29 2.34 0.00	27.92 2.21 0.00	27.79 2.01 0.00	29.75 1.84 0.00	32.54 1.72 0.00	40.42 2.22 0.00	41.21 2.63 0.00	40.81 2.88 0.00	37.98 2.78 0.00	38.21 2.63 0.00	37.35 2.80 0.00	36.55 2.80 0.00	38.00 2.87 -0.54	39.16 3.00 0.00	41.11 3.08 0.00	44.08 3.15 0.00	51.13 3.44 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.18 3.40 0.00	44.78 2.66 0.00	36.41 2.51 0.00	34.25 2.27 -3.55
ASTORIA___4 23517	31.91 2.31 0.00	29.29 2.34 0.00	27.92 2.21 0.00	27.79 2.01 0.00	29.56 1.65 0.00	32.51 1.70 0.00	40.43 2.22 0.00	41.21 2.62 0.00	40.82 2.88 0.00	38.01 2.82 0.00	38.21 2.63 0.00	37.28 2.73 0.00	36.55 2.80 0.00	38.00 2.87 -0.54	39.16 3.00 0.00	41.11 3.08 0.00	44.08 3.15 0.00	51.13 3.43 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.18 3.40 0.00	44.73 2.61 0.00	36.41 2.51 0.00	34.25 2.27 -3.55
ASTORIA___5 23518	31.91 2.31 0.00	29.29 2.34 0.00	27.92 2.21 0.00	27.79 2.01 0.00	29.75 1.84 0.00	32.54 1.72 0.00	40.42 2.22 0.00	41.21 2.63 0.00	40.81 2.88 0.00	37.98 2.78 0.00	38.21 2.63 0.00	37.35 2.80 0.00	36.55 2.80 0.00	38.00 2.87 -0.54	39.16 3.00 0.00	41.11 3.08 0.00	44.08 3.15 0.00	51.13 3.44 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.18 3.40 0.00	44.78 2.66 0.00	36.41 2.51 0.00	34.25 2.27 -3.55
AST_ENERGY_2_CC3 323677	31.85 2.25 0.00	29.21 2.26 0.00	27.82 2.11 0.00	27.72 1.93 0.00	29.67 1.76 0.00	32.51 1.69 0.00	34.61 2.29 5.89	34.61 2.66 6.64	35.97 2.85 4.81	34.61 2.71 3.30	35.93 2.53 2.17	35.93 2.66 1.28	35.93 2.63 0.45	35.93 2.70 1.36	35.93 2.82 3.05	36.67 2.93 4.29	37.43 2.99 6.49	36.96 3.24 13.98	35.93 3.21 17.37	37.43 3.26 17.54	39.24 3.25 14.79	38.60 2.61 6.14	35.93 2.47 0.44	34.22 2.25 -3.55
AST_ENERGY_2_CC4 323678	31.85 2.25 0.00	29.21 2.26 0.00	27.82 2.11 0.00	27.72 1.93 0.00	29.67 1.76 0.00	32.51 1.69 0.00	34.61 2.29 5.89	34.61 2.66 6.64	35.97 2.85 4.81	34.61 2.71 3.30	35.93 2.53 2.17	35.93 2.66 1.28	35.93 2.63 0.45	35.93 2.70 1.36	35.93 2.82 3.05	36.67 2.93 4.29	37.43 2.99 6.49	36.96 3.24 13.98	35.93 3.21 17.37	37.43 3.26 17.54	39.24 3.25 14.79	38.60 2.61 6.14	35.93 2.47 0.44	34.22 2.25 -3.55

ATHENS_STG_1 23668	30.66 1.06 0.00	28.02 1.08 0.00	26.76 1.05 0.00	26.76 0.98 0.00	28.72 0.81 0.00	31.59 0.77 0.00	39.17 0.96 0.00	39.71 1.12 0.00	39.03 1.10 0.00	36.22 1.02 0.00	36.54 0.96 0.00	35.56 1.00 0.00	34.76 1.01 0.00	35.67 1.07 0.00	37.28 1.12 0.00	39.21 1.18 0.00	42.16 1.23 0.00	49.08 1.38 0.00	51.44 1.35 0.00	53.15 1.45 0.00	52.25 1.47 0.00	43.26 1.14 0.00	35.05 1.15 0.00	33.60 1.14 -4.03
ATHENS_STG_2 23670	30.66 1.06 0.00	28.02 1.08 0.00	26.76 1.05 0.00	26.76 0.98 0.00	28.72 0.81 0.00	31.59 0.77 0.00	39.17 0.96 0.00	39.71 1.12 0.00	39.03 1.10 0.00	36.22 1.02 0.00	36.54 0.96 0.00	35.56 1.00 0.00	34.76 1.01 0.00	35.67 1.07 0.00	37.28 1.12 0.00	39.21 1.18 0.00	42.16 1.23 0.00	49.08 1.38 0.00	51.44 1.35 0.00	53.15 1.45 0.00	52.25 1.47 0.00	43.26 1.14 0.00	35.05 1.15 0.00	33.60 1.14 -4.03
ATHENS_STG_3 23677	30.66 1.06 0.00	28.02 1.08 0.00	26.76 1.05 0.00	26.76 0.98 0.00	28.72 0.81 0.00	31.59 0.77 0.00	39.17 0.96 0.00	39.71 1.12 0.00	39.03 1.10 0.00	36.22 1.02 0.00	36.54 0.96 0.00	35.56 1.00 0.00	34.76 1.01 0.00	35.67 1.07 0.00	37.28 1.12 0.00	39.21 1.18 0.00	42.16 1.23 0.00	49.08 1.38 0.00	51.44 1.35 0.00	53.15 1.45 0.00	52.25 1.47 0.00	43.26 1.14 0.00	35.05 1.15 0.00	33.60 1.14 -4.03
AUBURN____LFGE 323710	29.48 -0.12 0.00	26.81 -0.13 0.00	25.58 -0.13 0.00	25.60 -0.18 0.00	27.57 -0.33 0.00	30.57 -0.25 0.00	37.98 -0.23 0.00	38.24 -0.35 0.00	37.52 -0.42 0.00	34.77 -0.42 0.00	35.18 -0.39 0.00	34.10 -0.45 0.00	33.27 -0.47 0.00	34.11 -0.48 0.00	35.73 -0.43 0.00	37.61 -0.42 0.00	40.44 -0.49 0.00	47.31 -0.38 0.00	49.64 -0.45 0.00	51.29 -0.41 0.00	50.32 -0.46 0.00	41.87 -0.25 0.00	33.66 -0.24 0.00	28.76 -0.09 -0.42
BABYLON_RES_REC 323704	48.50 3.02 -15.88	46.75 2.91 -16.89	42.96 2.75 -14.50	29.97 2.60 -1.58	30.44 2.51 -0.02	47.67 2.59 -14.26	48.24 3.36 -6.66	49.12 3.70 -6.83	49.37 3.72 -7.71	50.69 3.35 -12.15	49.51 2.53 -11.40	51.04 2.42 -14.07	53.29 2.40 -17.15	54.32 2.52 -17.20	53.10 2.64 -14.30	54.82 2.77 -14.02	56.24 2.91 -12.41	61.49 2.96 -10.84	65.22 3.11 -12.03	66.15 3.10 -11.33	64.14 3.20 -10.17	54.34 2.70 -9.52	47.19 2.88 -10.41	44.95 2.96 -13.57
BALL_HILL_WT_PWR 323825	28.45 -1.15 0.00	25.65 -1.29 0.00	24.65 -1.06 0.00	24.67 -1.11 0.00	26.32 -1.59 0.00	29.46 -1.36 0.00	36.07 -2.14 0.00	36.23 -2.36 0.00	35.66 -2.27 0.00	32.80 -2.39 0.00	33.05 -2.52 0.00	31.76 -2.80 0.00	30.81 -2.94 0.00	31.58 -3.01 0.00	33.01 -3.15 0.00	34.72 -3.31 0.00	37.29 -3.64 0.00	43.59 -4.10 0.00	46.03 -4.06 0.00	47.73 -3.98 0.00	46.87 -3.91 0.00	39.34 -2.78 0.00	31.86 -2.03 0.00	27.25 -1.79 -0.62
BARON_WINDS____WT_PWR 323822	28.92 -0.68 0.00	26.19 -0.75 0.00	25.09 -0.62 0.00	25.09 -0.69 0.00	26.88 -1.03 0.00	29.99 -0.83 0.00	36.99 -1.22 0.00	37.16 -1.43 0.00	36.45 -1.48 0.00	33.54 -1.65 0.00	33.83 -1.74 0.00	32.55 -2.00 0.00	31.55 -2.19 0.00	32.35 -2.25 0.00	33.85 -2.32 0.00	35.63 -2.39 0.00	38.35 -2.58 0.00	44.98 -2.72 0.00	47.24 -2.85 0.00	48.92 -2.79 0.00	47.98 -2.79 0.00	40.10 -2.02 0.00	32.27 -1.63 0.00	27.81 -1.42 -0.81
BARRETT_IC_1 23704	48.15 2.67 -15.88	46.43 2.59 -16.89	42.68 2.47 -14.50	29.69 2.32 -1.58	30.13 2.20 -0.02	47.30 2.22 -14.26	47.77 2.90 -6.66	48.58 3.16 -6.82	48.26 3.19 -7.14	49.36 2.92 -11.24	48.58 2.45 -10.55	49.98 2.42 -13.01	51.65 2.36 -15.54	52.10 2.42 -15.09	51.65 2.57 -12.92	53.50 2.66 -12.81	49.16 2.86 -5.37	50.95 3.24 -0.01	53.40 3.31 -0.01	55.03 3.31 -0.01	54.19 3.40 -0.01	47.44 2.61 -2.70	44.22 2.71 -7.61	43.12 2.50 -12.19
BARRETT_IC_10 23701	48.15 2.67 -15.88	46.43 2.59 -16.89	42.68 2.47 -14.50	29.69 2.32 -1.58	30.13 2.20 -0.02	47.30 2.22 -14.26	47.77 2.90 -6.66	48.58 3.16 -6.82	48.26 3.19 -7.14	49.36 2.92 -11.24	48.58 2.45 -10.55	49.98 2.42 -13.01	51.65 2.36 -15.54	52.10 2.42 -15.09	51.65 2.57 -12.92	53.50 2.66 -12.81	49.16 2.86 -5.37	50.95 3.24 -0.01	53.40 3.31 -0.01	55.03 3.31 -0.01	54.19 3.40 -0.01	47.44 2.61 -2.70	44.22 2.71 -7.61	43.12 2.50 -12.19
BARRETT_IC_11 23702	48.15 2.67 -15.88	46.43 2.59 -16.89	42.68 2.47 -14.50	29.69 2.32 -1.58	30.13 2.20 -0.02	47.30 2.22 -14.26	47.77 2.90 -6.66	48.58 3.16 -6.82	48.26 3.19 -7.14	49.36 2.92 -11.24	48.58 2.45 -10.55	49.98 2.42 -13.01	51.65 2.36 -15.54	52.10 2.42 -15.09	51.65 2.57 -12.92	53.50 2.66 -12.81	49.16 2.86 -5.37	50.95 3.24 -0.01	53.40 3.31 -0.01	55.03 3.31 -0.01	54.19 3.40 -0.01	47.44 2.61 -2.70	44.22 2.71 -7.61	43.12 2.50 -12.19
BARRETT_IC_12 23703	48.15 2.67 -15.88	46.43 2.59 -16.89	42.68 2.47 -14.50	29.69 2.32 -1.58	30.13 2.20 -0.02	47.30 2.22 -14.26	47.77 2.90 -6.66	48.58 3.16 -6.82	48.26 3.19 -7.14	49.36 2.92 -11.24	48.58 2.45 -10.55	49.98 2.42 -13.01	51.65 2.36 -15.54	52.10 2.42 -15.09	51.65 2.57 -12.92	53.50 2.66 -12.81	49.16 2.86 -5.37	50.95 3.24 -0.01	53.40 3.31 -0.01	55.03 3.31 -0.01	54.19 3.40 -0.01	47.44 2.61 -2.70	44.22 2.71 -7.61	43.12 2.50 -12.19
BARRETT_IC_2 23705	48.15 2.67 -15.88	46.43 2.59 -16.89	42.68 2.47 -14.50	29.69 2.32 -1.58	30.13 2.20 -0.02	47.30 2.22 -14.26	47.77 2.90 -6.66	48.58 3.16 -6.82	48.26 3.19 -7.14	49.36 2.92 -11.24	48.58 2.45 -10.55	49.98 2.42 -13.01	51.65 2.36 -15.54	52.10 2.42 -15.09	51.65 2.57 -12.92	53.50 2.66 -12.81	49.16 2.86 -5.37	50.95 3.24 -0.01	53.40 3.31 -0.01	55.03 3.31 -0.01	54.19 3.40 -0.01	47.44 2.61 -2.70	44.22 2.71 -7.61	43.12 2.50 -12.19
BARRETT_IC_3 23706	48.15 2.67 -15.88	46.43 2.59 -16.89	42.68 2.47 -14.50	29.69 2.32 -1.58	30.13 2.20 -0.02	47.30 2.22 -14.26	47.77 2.90 -6.66	48.58 3.16 -6.82	48.26 3.19 -7.14	49.36 2.92 -11.24	48.58 2.45 -10.55	49.98 2.42 -13.01	51.65 2.36 -15.54	52.10 2.42 -15.09	51.65 2.57 -12.92	53.50 2.66 -12.81	49.16 2.86 -5.37	50.95 3.24 -0.01	53.40 3.31 -0.01	55.03 3.31 -0.01	54.19 3.40 -0.01	47.44 2.61 -2.70	44.22 2.71 -7.61	43.12 2.50 -12.19
BARRETT_IC_4 23707	48.15 2.67 -15.88	46.43 2.59 -16.89	42.68 2.47 -14.50	29.69 2.32 -1.58	30.13 2.20 -0.02	47.30 2.22 -14.26	47.77 2.90 -6.66	48.58 3.16 -6.82	48.26 3.19 -7.14	49.36 2.92 -11.24	48.58 2.45 -10.55	49.98 2.42 -13.01	51.65 2.36 -15.54	52.10 2.42 -15.09	51.65 2.57 -12.92	53.50 2.66 -12.81	49.16 2.86 -5.37	50.95 3.24 -0.01	53.40 3.31 -0.01	55.03 3.31 -0.01	54.19 3.40 -0.01	47.44 2.61 -2.70	44.22 2.71 -7.61	43.12 2.50 -12.19
BARRETT_IC_5 23708	48.15 2.67 -15.88	46.43 2.59 -16.89	42.68 2.47 -14.50	29.69 2.32 -1.58	30.13 2.20 -0.02	47.30 2.22 -14.26	47.77 2.90 -6.66	48.58 3.16 -6.82	48.26 3.19 -7.14	49.36 2.92 -11.24	48.58 2.45 -10.55	49.98 2.42 -13.01	51.65 2.36 -15.54	52.10 2.42 -15.09	51.65 2.57 -12.92	53.50 2.66 -12.81	49.16 2.86 -5.37	50.95 3.24 -0.01	53.40 3.31 -0.01	55.03 3.31 -0.01	54.19 3.40 -0.01	47.44 2.61 -2.70	44.22 2.71 -7.61	43.12 2.50 -12.19

BARRETT_IC_6 23709	48.15 2.67 -15.88	46.43 2.59 -16.89	42.68 2.47 -14.50	29.69 2.32 -1.58	30.13 2.20 -0.02	47.30 2.22 -14.26	47.77 2.90 -6.66	48.58 3.16 -6.82	48.26 3.19 -7.14	49.36 2.92 -11.24	48.58 2.45 -10.55	49.98 2.42 -13.01	51.65 2.36 -15.54	52.10 2.42 -15.09	51.65 2.57 -12.92	53.50 2.66 -12.81	49.16 2.86 -5.37	50.95 3.24 -0.01	53.40 3.31 -0.01	55.03 3.31 -0.01	54.19 3.40 -0.01	47.44 2.61 -2.70	44.22 2.71 -7.61	43.12 2.50 -12.19
BARRETT_IC_7 23710	48.15 2.66 -15.88	46.43 2.59 -16.89	42.68 2.47 -14.50	29.68 2.32 -1.58	30.05 2.12 -0.02	47.30 2.22 -14.26	47.78 2.90 -6.66	48.58 3.16 -6.82	48.26 3.19 -7.14	49.36 2.92 -11.24	48.58 2.45 -10.55	49.92 2.35 -13.01	51.68 2.40 -15.54	52.10 2.42 -15.09	51.65 2.57 -12.92	53.50 2.66 -12.81	49.16 2.87 -5.37	50.95 3.24 -0.01	53.40 3.31 -0.01	55.03 3.31 -0.01	54.18 3.40 -0.01	47.39 2.57 -2.70	44.22 2.71 -7.61	43.09 2.47 -12.19
BARRETT_IC_8 23711	48.15 2.67 -15.88	46.43 2.59 -16.89	42.68 2.47 -14.50	29.69 2.32 -1.58	30.13 2.20 -0.02	47.30 2.22 -14.26	47.77 2.90 -6.66	48.58 3.16 -6.82	48.26 3.19 -7.14	49.36 2.92 -11.24	48.58 2.45 -10.55	49.98 2.42 -13.01	51.65 2.36 -15.54	52.10 2.42 -15.09	51.65 2.57 -12.92	53.50 2.66 -12.81	49.16 2.86 -5.37	50.95 3.24 -0.01	53.40 3.31 -0.01	55.03 3.31 -0.01	54.19 3.40 -0.01	47.44 2.61 -2.70	44.22 2.71 -7.61	43.12 2.50 -12.19
BARRETT_IC_9 23700	48.15 2.67 -15.88	46.43 2.59 -16.89	42.68 2.47 -14.50	29.69 2.32 -1.58	30.13 2.20 -0.02	47.30 2.22 -14.26	47.77 2.90 -6.66	48.58 3.16 -6.82	48.26 3.19 -7.14	49.36 2.92 -11.24	48.58 2.45 -10.55	49.98 2.42 -13.01	51.65 2.36 -15.54	52.10 2.42 -15.09	51.65 2.57 -12.92	53.50 2.66 -12.81	49.16 2.86 -5.37	50.95 3.24 -0.01	53.40 3.31 -0.01	55.03 3.31 -0.01	54.19 3.40 -0.01	47.44 2.61 -2.70	44.22 2.71 -7.61	43.12 2.50 -12.19
BARRETT___1 23545	48.15 2.67 -15.88	46.43 2.59 -16.89	42.68 2.47 -14.50	29.69 2.32 -1.58	30.13 2.20 -0.02	47.30 2.22 -14.26	47.77 2.90 -6.66	48.58 3.16 -6.82	48.26 3.19 -7.14	49.36 2.92 -11.24	48.58 2.45 -10.55	49.98 2.42 -13.01	51.65 2.36 -15.54	52.10 2.42 -15.09	51.65 2.57 -12.92	53.50 2.66 -12.81	49.16 2.86 -5.37	50.95 3.24 -0.01	53.40 3.31 -0.01	55.03 3.31 -0.01	54.19 3.40 -0.01	47.44 2.61 -2.70	44.22 2.71 -7.61	43.12 2.50 -12.19
BARRETT___2 23546	48.15 2.67 -15.88	46.43 2.59 -16.89	42.68 2.47 -14.50	29.69 2.32 -1.58	30.13 2.20 -0.02	47.30 2.22 -14.26	47.77 2.90 -6.66	48.58 3.16 -6.82	48.26 3.19 -7.14	49.36 2.92 -11.24	48.58 2.45 -10.55	49.98 2.42 -13.01	51.65 2.36 -15.54	52.10 2.42 -15.09	51.65 2.57 -12.92	53.50 2.66 -12.81	49.16 2.86 -5.37	50.95 3.24 -0.01	53.40 3.31 -0.01	55.03 3.31 -0.01	54.19 3.40 -0.01	47.44 2.61 -2.70	44.22 2.71 -7.61	43.12 2.50 -12.19
BATAVIA___115KV_TB1 55881	28.83 -0.77 0.00	25.95 -1.00 0.00	24.89 -0.82 0.00	24.88 -0.90 0.00	26.60 -1.31 0.00	29.77 -1.05 0.00	36.38 -1.83 0.00	36.50 -2.08 0.00	35.96 -1.97 0.00	33.12 -2.08 0.00	33.40 -2.17 0.00	32.34 -2.21 0.00	31.32 -2.43 0.00	32.10 -2.49 0.00	33.59 -2.57 0.00	35.40 -2.62 0.00	37.98 -2.95 0.00	44.50 -3.20 0.00	47.08 -3.01 0.00	48.97 -2.74 0.00	47.98 -2.79 0.00	40.44 -1.68 0.00	32.58 -1.32 0.00	27.97 -0.97 -0.51
BAYONEEC___CTG1 323682	31.88 2.28 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.69 1.91 0.00	29.64 1.73 0.00	32.51 1.69 0.00	40.55 2.33 -0.01	41.29 2.70 0.00	40.86 2.92 0.00	37.98 2.78 0.00	38.18 2.60 -0.01	38.35 2.73 -1.07	38.08 2.70 -1.63	43.64 2.77 -6.28	40.81 2.89 -1.75	42.49 3.00 -1.46	45.21 3.07 -1.21	51.05 3.29 -0.06	53.40 3.31 -0.01	55.10 3.31 -0.08	56.91 3.35 -2.78	45.71 2.70 -0.89	38.16 2.51 -1.76	36.13 2.27 -5.43
BAYONEEC___CTG10 323750	31.88 2.28 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.69 1.91 0.00	29.64 1.73 0.00	32.51 1.69 0.00	40.55 2.33 -0.01	41.29 2.70 0.00	40.86 2.92 0.00	37.98 2.78 0.00	38.18 2.60 -0.01	38.35 2.73 -1.07	38.08 2.70 -1.63	43.64 2.77 -6.28	40.81 2.89 -1.75	42.49 3.00 -1.46	45.21 3.07 -1.21	51.05 3.29 -0.06	53.40 3.31 -0.01	55.10 3.31 -0.08	56.91 3.35 -2.78	45.71 2.70 -0.89	38.16 2.51 -1.76	36.13 2.27 -5.43
BAYONEEC___CTG2 323683	31.88 2.28 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.69 1.91 0.00	29.64 1.73 0.00	32.51 1.69 0.00	40.55 2.33 -0.01	41.29 2.70 0.00	40.86 2.92 0.00	37.98 2.78 0.00	38.18 2.60 -0.01	38.35 2.73 -1.07	38.08 2.70 -1.63	43.64 2.77 -6.28	40.81 2.89 -1.75	42.49 3.00 -1.46	45.21 3.07 -1.21	51.05 3.29 -0.06	53.40 3.31 -0.01	55.10 3.31 -0.08	56.91 3.35 -2.78	45.71 2.70 -0.89	38.16 2.51 -1.76	36.13 2.27 -5.43
BAYONEEC___CTG3 323684	31.88 2.28 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.69 1.91 0.00	29.64 1.73 0.00	32.51 1.69 0.00	40.55 2.33 -0.01	41.29 2.70 0.00	40.86 2.92 0.00	37.98 2.78 0.00	38.18 2.60 -0.01	38.35 2.73 -1.07	38.08 2.70 -1.63	43.64 2.77 -6.28	40.81 2.89 -1.75	42.49 3.00 -1.46	45.21 3.07 -1.21	51.05 3.29 -0.06	53.40 3.31 -0.01	55.10 3.31 -0.08	56.91 3.35 -2.78	45.71 2.70 -0.89	38.16 2.51 -1.76	36.13 2.27 -5.43
BAYONEEC___CTG4 323685	31.88 2.28 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.69 1.91 0.00	29.64 1.73 0.00	32.51 1.69 0.00	40.55 2.33 -0.01	41.29 2.70 0.00	40.86 2.92 0.00	37.98 2.78 0.00	38.18 2.60 -0.01	38.35 2.73 -1.07	38.08 2.70 -1.63	43.64 2.77 -6.28	40.81 2.89 -1.75	42.49 3.00 -1.46	45.21 3.07 -1.21	51.05 3.29 -0.06	53.40 3.31 -0.01	55.10 3.31 -0.08	56.91 3.35 -2.78	45.71 2.70 -0.89	38.16 2.51 -1.76	36.13 2.27 -5.43
BAYONEEC___CTG5 323686	31.88 2.28 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.69 1.91 0.00	29.64 1.73 0.00	32.51 1.69 0.00	40.55 2.33 -0.01	41.29 2.70 0.00	40.86 2.92 0.00	37.98 2.78 0.00	38.18 2.60 -0.01	38.35 2.73 -1.07	38.08 2.70 -1.63	43.64 2.77 -6.28	40.81 2.89 -1.75	42.49 3.00 -1.46	45.21 3.07 -1.21	51.05 3.29 -0.06	53.40 3.31 -0.01	55.10 3.31 -0.08	56.91 3.35 -2.78	45.71 2.70 -0.89	38.16 2.51 -1.76	36.13 2.27 -5.43
BAYONEEC___CTG6 323687	31.88 2.28 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.69 1.91 0.00	29.64 1.73 0.00	32.51 1.69 0.00	40.55 2.33 -0.01	41.29 2.70 0.00	40.86 2.92 0.00	37.98 2.78 0.00	38.18 2.60 -0.01	38.35 2.73 -1.07	38.08 2.70 -1.63	43.64 2.77 -6.28	40.81 2.89 -1.75	42.49 3.00 -1.46	45.21 3.07 -1.21	51.05 3.29 -0.06	53.40 3.31 -0.01	55.10 3.31 -0.08	56.91 3.35 -2.78	45.71 2.70 -0.89	38.16 2.51 -1.76	36.13 2.27 -5.43
BAYONEEC___CTG7 323688	31.88 2.28 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.69 1.91 0.00	29.64 1.73 0.00	32.51 1.69 0.00	40.55 2.33 -0.01	41.29 2.70 0.00	40.86 2.92 0.00	37.98 2.78 0.00	38.18 2.60 -0.01	38.35 2.73 -1.07	38.08 2.70 -1.63	43.64 2.77 -6.28	40.81 2.89 -1.75	42.49 3.00 -1.46	45.21 3.07 -1.21	51.05 3.29 -0.06	53.40 3.31 -0.01	55.10 3.31 -0.08	56.91 3.35 -2.78	45.71 2.70 -0.89	38.16 2.51 -1.76	36.13 2.27 -5.43

BAYONEEC___CTG8 323689	31.88 2.28 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.69 1.91 0.00	29.64 1.73 0.00	32.51 1.69 0.00	40.55 2.33 -0.01	41.29 2.70 0.00	40.86 2.92 0.00	37.98 2.78 0.00	38.18 2.60 -0.01	38.35 2.73 -1.07	38.08 2.70 -1.63	43.64 2.77 -6.28	40.81 2.89 -1.75	42.49 3.00 -1.46	45.21 3.07 -1.21	51.05 3.29 -0.06	53.40 3.31 -0.01	55.10 3.31 -0.08	56.91 3.35 -2.78	45.71 2.70 -0.89	38.16 2.51 -1.76	36.13 2.27 -5.43
BAYONEEC___CTG9 323749	31.88 2.28 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.69 1.91 0.00	29.64 1.73 0.00	32.51 1.69 0.00	40.55 2.33 -0.01	41.29 2.70 0.00	40.86 2.92 0.00	37.98 2.78 0.00	38.18 2.60 -0.01	38.35 2.73 -1.07	38.08 2.70 -1.63	43.64 2.77 -6.28	40.81 2.89 -1.75	42.49 3.00 -1.46	45.21 3.07 -1.21	51.05 3.29 -0.06	53.40 3.31 -0.01	55.10 3.31 -0.08	56.91 3.35 -2.78	45.71 2.70 -0.89	38.16 2.51 -1.76	36.13 2.27 -5.43
BEACON___LESR 323632	28.30 0.95 2.25	27.91 0.97 0.00	26.61 0.90 0.00	26.57 0.82 0.04	28.25 0.64 0.30	24.90 0.71 6.62	26.45 0.96 12.72	30.32 1.08 9.35	37.40 0.76 1.29	35.79 0.60 0.00	36.14 0.71 0.15	35.11 0.76 0.20	34.46 0.71 0.00	34.89 0.83 0.54	36.89 0.94 0.21	38.98 0.95 0.00	41.29 1.11 0.74	48.98 1.29 0.00	51.49 1.40 0.00	53.15 1.45 0.00	52.25 1.47 0.00	43.18 1.05 0.00	35.01 1.12 0.00	33.96 1.05 -4.48
BEAVER RIVER___HYD 24048	29.10 -0.50 0.00	26.30 -0.65 0.00	25.02 -0.69 0.00	25.14 -0.64 0.00	27.35 -0.56 0.00	30.42 -0.40 0.00	37.71 -0.50 0.00	37.97 -0.62 0.00	37.52 -0.42 0.00	34.42 -0.77 0.00	34.76 -0.82 0.00	33.62 -0.93 0.00	32.67 -1.08 0.00	33.35 -1.24 0.00	34.97 -1.19 0.00	37.00 -1.02 0.00	39.86 -1.06 0.00	46.74 -0.95 0.00	48.99 -1.10 0.00	50.78 -0.93 0.00	49.96 -0.81 0.00	41.41 -0.72 0.00	33.08 -0.81 0.00	27.70 -0.85 -0.13
BEEBEE_GT_13 23619	28.80 -0.80 0.00	26.03 -0.92 0.00	24.91 -0.80 0.00	24.91 -0.88 0.00	26.71 -1.20 0.00	29.80 -1.02 0.00	36.60 -1.60 0.00	36.74 -1.85 0.00	36.23 -1.71 0.00	33.54 -1.65 0.00	33.90 -1.67 0.00	32.86 -1.69 0.00	31.96 -1.79 0.00	32.76 -1.83 0.00	34.28 -1.88 0.00	36.09 -1.94 0.00	38.68 -2.25 0.00	45.22 -2.48 0.00	47.58 -2.50 0.00	49.33 -2.38 0.00	48.39 -2.39 0.00	40.61 -1.52 0.00	32.71 -1.19 0.00	28.21 -0.65 -0.44
BENSHRST_27_KV_BENSHRST_1 355998	32.11 2.49 -0.02	29.47 2.51 -0.02	28.12 2.39 -0.02	28.00 2.19 -0.02	29.83 1.90 -0.02	32.81 1.97 -0.02	40.72 2.48 -0.03	41.44 2.86 0.00	41.04 3.11 0.00	38.26 3.06 0.00	38.51 2.88 -0.06	48.22 2.97 -10.70	53.19 3.04 -16.41	99.42 3.11 -61.71	57.08 3.29 -17.63	56.06 3.38 -14.64	56.56 3.48 -12.15	52.14 3.76 -0.63	53.90 3.83 -0.06	56.33 3.83 -0.79	82.58 3.81 -28.00	54.03 2.95 -8.96	54.33 2.75 -17.68	53.34 2.44 -22.47
BETHLEHEM___GRP 23843	28.15 0.56 2.01	27.54 0.59 0.00	26.27 0.57 0.00	26.26 0.52 0.03	27.97 0.33 0.27	25.20 0.31 5.93	27.24 0.42 11.39	30.76 0.54 8.37	37.08 0.30 1.15	35.41 0.21 0.00	35.69 0.25 0.13	34.69 0.31 0.18	34.02 0.27 0.00	34.53 0.42 0.48	36.41 0.43 0.19	38.45 0.42 0.00	40.72 0.45 0.66	48.17 0.48 0.00	50.59 0.50 0.00	52.23 0.52 0.00	51.33 0.56 0.00	42.46 0.34 0.00	34.51 0.61 0.00	33.53 0.63 -4.48
BETHLEHEM___GS1 323560	28.15 0.56 2.01	27.54 0.59 0.00	26.27 0.56 0.00	26.26 0.52 0.03	27.94 0.31 0.27	25.20 0.31 5.93	27.24 0.42 11.39	30.76 0.54 8.37	37.08 0.30 1.15	35.37 0.18 0.00	35.69 0.25 0.13	34.72 0.35 0.18	34.05 0.30 0.00	34.53 0.42 0.48	36.41 0.44 0.19	38.45 0.42 0.00	40.72 0.45 0.66	48.17 0.48 0.00	50.59 0.50 0.00	52.23 0.52 0.00	51.33 0.56 0.00	42.46 0.34 0.00	34.51 0.61 0.00	33.53 0.62 -4.48
BETHLEHEM___GS2 323561	28.15 0.56 2.01	27.54 0.59 0.00	26.27 0.56 0.00	26.26 0.52 0.03	27.94 0.31 0.27	25.20 0.31 5.93	27.24 0.42 11.39	30.76 0.54 8.37	37.08 0.30 1.15	35.37 0.18 0.00	35.69 0.25 0.13	34.72 0.35 0.18	34.05 0.30 0.00	34.53 0.42 0.48	36.41 0.44 0.19	38.45 0.42 0.00	40.72 0.45 0.66	48.17 0.48 0.00	50.59 0.50 0.00	52.23 0.52 0.00	51.33 0.56 0.00	42.46 0.34 0.00	34.51 0.61 0.00	33.53 0.62 -4.48
BETHLEHEM___GS3 323562	28.15 0.56 2.01	27.54 0.59 0.00	26.27 0.56 0.00	26.26 0.52 0.03	27.94 0.31 0.27	25.20 0.31 5.93	27.24 0.42 11.39	30.76 0.54 8.37	37.08 0.30 1.15	35.37 0.18 0.00	35.69 0.25 0.13	34.72 0.35 0.18	34.05 0.30 0.00	34.53 0.42 0.48	36.41 0.44 0.19	38.45 0.42 0.00	40.72 0.45 0.66	48.17 0.48 0.00	50.59 0.50 0.00	52.23 0.52 0.00	51.33 0.56 0.00	42.46 0.34 0.00	34.51 0.61 0.00	33.53 0.62 -4.48
BETHLEHEM___STEEL 23779	28.36 -1.24 0.00	25.54 -1.40 0.00	24.55 -1.16 0.00	24.54 -1.24 0.00	26.18 -1.73 0.00	29.31 -1.51 0.00	35.84 -2.37 0.00	35.96 -2.62 0.00	35.43 -2.50 0.00	32.59 -2.60 0.00	32.87 -2.70 0.00	31.79 -2.76 0.00	30.74 -3.00 0.00	31.48 -3.11 0.00	32.87 -3.29 0.00	34.57 -3.46 0.00	37.12 -3.81 0.00	43.40 -4.29 0.00	45.83 -4.26 0.00	47.52 -4.19 0.00	46.66 -4.11 0.00	39.34 -2.78 0.00	31.80 -2.10 0.00	27.21 -1.82 -0.60
BETHLHEM_115KV_TB1 79974	28.36 0.62 1.87	27.59 0.65 0.00	26.33 0.62 0.00	26.32 0.57 0.03	28.05 0.39 0.25	25.70 0.37 5.49	28.16 0.50 10.55	31.45 0.62 7.75	37.25 0.38 1.07	35.48 0.28 0.00	35.81 0.36 0.12	34.77 0.38 0.17	34.12 0.37 0.00	34.63 0.48 0.44	36.53 0.54 0.17	38.52 0.49 0.00	40.85 0.53 0.61	48.27 0.57 0.00	50.69 0.60 0.00	52.38 0.67 0.00	51.43 0.66 0.00	42.54 0.42 0.00	34.58 0.68 0.00	33.59 0.68 -4.48
BETHPAGE_CC_5 323564	48.20 2.72 -15.88	46.51 2.67 -16.89	42.75 2.55 -14.50	29.76 2.40 -1.58	30.21 2.29 -0.02	47.36 2.28 -14.26	47.85 2.98 -6.66	48.74 3.32 -6.84	49.49 3.37 -8.18	51.17 3.10 -12.88	50.22 2.56 -12.09	51.98 2.52 -14.91	54.23 2.50 -17.99	54.95 2.60 -17.76	53.86 2.71 -14.98	55.65 2.85 -14.77	53.59 2.99 -9.67	56.73 3.24 -5.79	59.82 3.31 -6.42	61.07 3.31 -6.05	59.61 3.40 -5.43	51.47 2.74 -6.61	46.66 2.88 -9.88	44.93 2.70 -13.81
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	28.42 -1.18 0.00	25.60 -1.35 0.00	24.60 -1.11 0.00	24.60 -1.19 0.00	26.23 -1.67 0.00	29.40 -1.42 0.00	35.92 -2.29 0.00	36.08 -2.51 0.00	35.54 -2.39 0.00	32.70 -2.50 0.00	32.94 -2.63 0.00	31.89 -2.66 0.00	30.81 -2.94 0.00	31.55 -3.04 0.00	32.98 -3.18 0.00	34.64 -3.38 0.00	37.20 -3.72 0.00	43.55 -4.15 0.00	45.93 -4.16 0.00	47.68 -4.03 0.00	46.81 -3.96 0.00	39.43 -2.70 0.00	31.83 -2.07 0.00	27.16 -1.88 -0.61
BINGHAMTON___COGEN 23790	29.78 0.18 0.00	27.08 0.13 0.00	25.86 0.15 0.00	25.88 0.10 0.00	27.83 -0.08 0.00	30.82 0.00 0.00	38.21 0.00 0.00	38.51 -0.08 0.00	37.86 -0.08 0.00	35.06 -0.14 0.00	35.40 -0.18 0.00	34.31 -0.24 0.00	33.41 -0.34 0.00	34.25 -0.35 0.00	35.87 -0.29 0.00	37.72 -0.30 0.00	40.56 -0.37 0.00	47.41 -0.29 0.00	49.79 -0.30 0.00	51.45 -0.26 0.00	50.57 -0.20 0.00	42.04 -0.08 0.00	33.86 -0.03 0.00	29.62 0.00 -1.20

BIXINCNT_115KV_LOAD 355685	28.33 -1.27 0.00	25.57 -1.37 0.00	24.60 -1.11 0.00	24.62 -1.16 0.00	26.26 -1.65 0.00	29.49 -1.33 0.00	36.15 -2.06 0.00	36.39 -2.20 0.00	35.81 -2.12 0.00	32.94 -2.25 0.00	33.08 -2.49 0.00	31.93 -2.63 0.00	30.74 -3.00 0.00	31.31 -3.29 0.00	32.76 -3.40 0.00	34.42 -3.61 0.00	37.00 -3.93 0.00	43.40 -4.29 0.00	45.73 -4.36 0.00	47.31 -4.40 0.00	46.41 -4.37 0.00	38.96 -3.16 0.00	31.39 -2.51 0.00	26.52 -2.56 -0.65
BLACK RIVER___HYD 24047	29.30 -0.30 0.00	26.51 -0.43 0.00	25.25 -0.46 0.00	25.34 -0.44 0.00	27.55 -0.36 0.00	30.67 -0.15 0.00	37.98 -0.23 0.00	38.16 -0.42 0.00	37.59 -0.34 0.00	34.46 -0.74 0.00	34.83 -0.75 0.00	33.65 -0.90 0.00	32.63 -1.11 0.00	33.35 -1.24 0.00	35.00 -1.16 0.00	37.12 -0.91 0.00	40.03 -0.90 0.00	47.07 -0.62 0.00	49.44 -0.65 0.00	51.35 -0.36 0.00	50.62 -0.15 0.00	41.91 -0.21 0.00	33.53 -0.37 0.00	28.15 -0.46 -0.18
BLACKRVR_115KV_TB2 79977	29.30 -0.30 0.00	26.51 -0.43 0.00	25.25 -0.46 0.00	25.34 -0.44 0.00	27.55 -0.36 0.00	30.66 -0.15 0.00	37.98 -0.23 0.00	38.16 -0.42 0.00	37.59 -0.34 0.00	34.46 -0.74 0.00	34.83 -0.75 0.00	33.65 -0.90 0.00	32.63 -1.11 0.00	33.31 -1.28 0.00	35.00 -1.16 0.00	37.12 -0.91 0.00	40.03 -0.90 0.00	47.08 -0.62 0.00	49.44 -0.65 0.00	51.35 -0.36 0.00	50.62 -0.15 0.00	41.91 -0.21 0.00	33.52 -0.37 0.00	28.15 -0.45 -0.18
BLDWN_LI_69_KV_BK4 356085	48.32 2.84 -15.88	46.59 2.75 -16.89	42.80 2.60 -14.50	29.81 2.45 -1.58	30.19 2.26 -0.02	47.45 2.37 -14.26	47.97 3.09 -6.66	48.87 3.43 -6.85	50.58 3.49 -9.16	52.82 3.20 -14.42	51.84 2.74 -13.53	53.90 2.66 -16.69	56.37 2.70 -19.93	56.70 2.77 -19.34	55.66 2.93 -16.57	57.50 3.04 -16.43	51.05 3.23 -6.88	51.33 3.62 -0.01	53.86 3.76 -0.01	55.55 3.83 -0.01	54.64 3.86 -0.01	48.58 2.99 -3.46	46.67 3.02 -9.75	45.81 2.76 -14.62
BLISS_WT_PWR 323608	28.24 -1.36 0.00	25.46 -1.48 0.00	24.53 -1.18 0.00	24.54 -1.24 0.00	26.18 -1.73 0.00	29.43 -1.39 0.00	36.03 -2.18 0.00	36.31 -2.28 0.00	35.73 -2.20 0.00	32.87 -2.32 0.00	32.98 -2.60 0.00	31.62 -2.94 0.00	30.51 -3.24 0.00	31.10 -3.49 0.00	32.55 -3.62 0.00	34.19 -3.84 0.00	36.80 -4.13 0.00	43.16 -4.53 0.00	45.53 -4.56 0.00	47.00 -4.71 0.00	46.05 -4.72 0.00	38.58 -3.54 0.00	31.15 -2.74 0.00	26.32 -2.76 -0.65
BLUESTONE___WT_PWR 323821	31.20 1.60 0.00	28.45 1.51 0.00	27.15 1.44 0.00	27.22 1.44 0.00	29.42 1.51 0.00	32.73 1.91 0.00	40.54 2.33 0.00	40.82 2.24 0.00	40.29 2.35 0.00	37.10 1.90 0.00	37.42 1.85 0.00	36.21 1.66 0.00	35.00 1.25 0.00	35.73 1.14 0.00	37.46 1.30 0.00	39.59 1.56 0.00	42.57 1.64 0.00	49.99 2.29 0.00	52.19 2.10 0.00	53.93 2.22 0.00	53.11 2.34 0.00	43.93 1.81 0.00	35.32 1.42 0.00	30.86 1.05 -1.39
BLUE_CIRC_CHEM_DRP 24182	29.14 0.86 1.32	27.81 0.86 0.00	26.53 0.82 0.00	26.53 0.77 0.02	28.40 0.67 0.18	27.57 0.65 3.89	31.53 0.80 7.48	33.90 0.81 5.50	37.80 0.49 0.62	35.48 0.28 0.00	35.89 0.39 0.07	34.87 0.41 0.10	34.08 0.34 0.00	34.85 0.52 0.26	36.64 0.58 0.10	38.60 0.57 0.00	41.27 0.70 0.36	48.51 0.81 0.00	51.04 0.95 0.00	52.74 1.03 0.00	51.79 1.02 0.00	42.88 0.76 0.00	34.78 0.88 0.00	33.58 0.80 -4.36
BOC_GAS_DRP 24189	29.33 0.77 1.04	27.73 0.78 0.00	26.45 0.75 0.00	26.46 0.70 0.02	28.33 0.56 0.14	28.28 0.52 3.06	33.01 0.69 5.88	35.03 0.77 4.32	37.99 0.64 0.59	35.72 0.53 0.00	36.08 0.57 0.07	35.05 0.59 0.09	34.32 0.57 0.00	35.01 0.66 0.24	36.79 0.72 0.10	38.71 0.68 0.00	41.33 0.74 0.34	48.55 0.86 0.00	50.94 0.85 0.00	52.64 0.93 0.00	51.74 0.96 0.00	42.84 0.72 0.00	34.71 0.81 0.00	33.68 0.80 -4.46
BOONVILLE_115KV_TB1 79983	29.90 0.30 0.00	27.13 0.19 0.00	25.84 0.13 0.00	25.91 0.13 0.00	28.08 0.17 0.00	31.13 0.31 0.00	38.63 0.42 0.00	38.93 0.35 0.00	38.43 0.49 0.00	35.41 0.21 0.00	35.79 0.21 0.00	34.66 0.10 0.00	33.71 -0.03 0.00	34.49 -0.10 0.00	36.12 -0.04 0.00	38.14 0.11 0.00	41.09 0.16 0.00	48.13 0.43 0.00	50.39 0.30 0.00	52.12 0.41 0.00	51.23 0.46 0.00	42.46 0.34 0.00	34.10 0.20 0.00	28.65 0.11 -0.11
BORALEX_4TH_BRANCH 23824	35.16 1.57 -3.99	28.45 1.51 0.00	27.10 1.39 0.00	27.22 1.37 -0.07	29.70 1.26 -0.54	43.91 1.36 -11.73	62.46 1.72 -22.53	57.00 1.85 -16.56	41.57 1.40 -2.23	36.29 1.09 0.00	37.11 1.28 -0.26	36.25 1.35 -0.35	34.86 1.11 0.00	36.94 1.42 -0.93	38.01 1.48 -0.36	39.36 1.33 0.00	43.80 1.60 -1.28	49.70 2.00 0.00	52.39 2.30 0.00	54.14 2.43 0.00	53.21 2.44 0.00	44.02 1.90 0.00	35.66 1.76 0.00	34.53 1.59 -4.52
BOWLINE___1 23526	31.50 1.90 0.00	28.83 1.89 0.00	27.46 1.75 0.00	27.41 1.63 0.00	29.36 1.45 0.00	32.27 1.45 0.00	40.12 1.91 0.00	40.82 2.24 0.00	40.32 2.39 0.00	37.45 2.25 0.00	37.67 2.10 0.00	36.70 2.14 0.00	35.94 2.19 0.00	36.81 2.22 0.00	38.51 2.35 0.00	40.50 2.47 0.00	43.47 2.54 0.00	50.51 2.81 0.00	52.84 2.75 0.00	54.50 2.79 0.00	53.62 2.84 0.00	44.40 2.27 0.00	36.00 2.10 0.00	33.76 1.90 -3.43
BOWLINE___2 23595	31.50 1.90 0.00	28.83 1.89 0.00	27.46 1.75 0.00	27.41 1.63 0.00	29.36 1.45 0.00	32.27 1.45 0.00	40.12 1.91 0.00	40.82 2.24 0.00	40.32 2.39 0.00	37.45 2.25 0.00	37.67 2.10 0.00	36.70 2.14 0.00	35.94 2.19 0.00	36.81 2.22 0.00	38.51 2.35 0.00	40.50 2.47 0.00	43.47 2.54 0.00	50.51 2.81 0.00	52.84 2.75 0.00	54.50 2.79 0.00	53.62 2.84 0.00	44.40 2.27 0.00	36.00 2.10 0.00	33.76 1.90 -3.43
BRADY___115KV_TB2 356060	29.19 -0.41 0.00	26.43 -0.51 0.00	25.17 -0.54 0.00	25.37 -0.41 0.00	27.85 -0.06 0.00	30.97 0.15 0.00	38.36 0.15 0.00	38.74 0.15 0.00	38.16 0.23 0.00	35.34 0.14 0.00	35.72 0.14 0.00	34.69 0.14 0.00	33.92 0.17 0.00	34.66 0.07 0.00	36.20 0.04 0.00	38.14 0.11 0.00	41.13 0.20 0.00	47.74 0.05 0.00	50.29 0.20 0.00	51.92 0.21 0.00	50.93 0.15 0.00	42.42 0.29 0.00	33.66 -0.24 0.00	27.83 -0.60 0.00
BRANSCOMB___SOLAR 323811	33.95 1.42 -2.93	28.35 1.40 0.00	27.02 1.31 0.00	27.07 1.24 -0.05	29.39 1.09 -0.40	40.71 1.26 -8.63	56.42 1.64 -16.57	52.43 1.66 -12.18	40.86 1.29 -1.64	36.15 0.95 0.00	36.83 1.07 -0.19	35.91 1.11 -0.25	34.76 1.01 0.00	36.45 1.18 -0.68	37.73 1.30 -0.27	39.44 1.41 0.00	43.55 1.68 -0.94	49.75 2.05 0.00	52.49 2.40 0.00	54.24 2.53 0.00	53.31 2.54 0.00	44.10 1.98 0.00	35.59 1.69 0.00	34.56 1.53 -4.60
BRDGHMPT_69_KV_BK1 55812	49.18 3.70 -15.88	47.32 3.48 -16.89	43.45 3.24 -14.50	30.48 3.12 -1.58	30.91 2.99 -0.02	48.41 3.33 -14.26	49.19 4.32 -6.66	50.16 4.75 -6.82	49.67 4.74 -6.99	50.61 4.40 -11.01	49.91 3.95 -10.38	51.24 3.77 -12.92	57.43 3.71 -19.97	65.19 3.91 -26.68	57.33 3.98 -17.19	57.12 4.18 -14.91	137.97 4.38 -92.66	195.86 4.91 -143.25	214.15 5.11 -158.95	206.71 5.22 -149.78	190.49 5.33 -134.38	136.38 4.30 -89.96	74.49 4.17 -36.43	53.36 3.89 -21.04



BRENTWOD_69_KV_W. BRTWOOD 56703	48.68 3.20 -15.88	46.91 3.07 -16.89	43.09 2.88 -14.50	30.10 2.73 -1.58	30.49 2.57 -0.02	47.85 2.77 -14.26	48.46 3.59 -6.66	49.31 3.90 -6.82	48.91 3.87 -7.11	49.92 3.52 -11.20	49.09 2.99 -10.52	50.43 2.87 -13.01	53.23 2.83 -16.64	55.58 3.04 -17.94	53.29 3.15 -13.98	54.68 3.31 -13.34	71.01 3.36 -26.73	86.13 3.39 -35.05	92.53 3.56 -38.89	91.97 3.62 -36.65	87.31 3.66 -32.88	69.37 3.20 -24.05	51.95 3.39 -14.67	45.92 3.13 -14.36
BRISTLHL_115KV_TB1 79998	29.01 -0.59 0.00	26.41 -0.54 0.00	25.20 -0.51 0.00	25.21 -0.57 0.00	27.18 -0.73 0.00	30.11 -0.71 0.00	37.33 -0.88 0.00	37.55 -1.04 0.00	36.87 -1.06 0.00	34.21 -0.99 0.00	34.61 -0.96 0.00	33.59 -0.97 0.00	32.77 -0.98 0.00	33.62 -0.97 0.00	35.18 -0.98 0.00	37.00 -1.03 0.00	39.78 -1.15 0.00	46.46 -1.24 0.00	48.79 -1.30 0.00	50.36 -1.34 0.00	49.45 -1.32 0.00	41.11 -1.01 0.00	33.08 -0.81 0.00	28.21 -0.48 -0.27
BROOKHAVEN___DRP 24191	48.98 3.49 -15.88	47.15 3.31 -16.89	43.32 3.11 -14.50	30.33 2.96 -1.58	30.74 2.82 -0.02	48.16 3.08 -14.26	48.85 3.97 -6.66	49.77 4.36 -6.82	49.17 4.25 -6.99	50.07 3.87 -11.01	49.37 3.42 -10.38	50.72 3.25 -12.92	56.97 3.21 -20.01	64.81 3.42 -26.79	56.97 3.58 -17.23	56.72 3.76 -14.93	138.42 3.97 -93.52	196.79 4.44 -144.66	215.27 4.66 -160.52	207.72 4.76 -151.26	191.31 4.82 -135.71	136.82 3.88 -90.82	74.44 3.83 -36.71	53.08 3.52 -21.13
BROOKLYN_NAVY_YARD 23515	31.79 2.19 0.00	29.13 2.18 0.00	27.77 2.06 0.00	27.64 1.86 0.00	29.58 1.67 0.00	32.48 1.66 0.00	40.50 2.29 0.00	41.33 2.74 0.00	40.89 2.96 0.00	38.01 2.82 0.00	38.21 2.63 0.00	37.28 2.73 0.00	36.45 2.70 0.00	37.36 2.77 0.00	39.05 2.89 0.00	41.00 2.97 0.00	43.96 3.03 0.00	50.98 3.29 0.00	53.39 3.31 0.00	55.02 3.31 0.00	54.12 3.35 0.00	44.78 2.66 0.00	36.41 2.51 0.00	34.22 2.25 -3.55
BROOKLYN___ARMY_DRP 323595	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
BROOME_2_LFGE 323671	29.78 0.18 0.00	27.08 0.14 0.00	25.86 0.16 0.00	25.89 0.10 0.00	27.83 -0.08 0.00	30.82 0.00 0.00	38.21 0.00 0.00	38.51 -0.08 0.00	37.86 -0.08 0.00	35.06 -0.14 0.00	35.40 -0.18 0.00	34.28 -0.28 0.00	33.41 -0.34 0.00	34.25 -0.35 0.00	35.87 -0.29 0.00	37.72 -0.31 0.00	40.56 -0.37 0.00	47.41 -0.28 0.00	49.74 -0.35 0.00	51.45 -0.26 0.00	50.57 -0.20 0.00	42.04 -0.08 0.00	33.86 -0.03 0.00	29.62 0.00 -1.20
BROOME___LFGE 323600	29.78 0.18 0.00	27.08 0.14 0.00	25.86 0.16 0.00	25.89 0.10 0.00	27.83 -0.08 0.00	30.82 0.00 0.00	38.21 0.00 0.00	38.51 -0.08 0.00	37.86 -0.08 0.00	35.06 -0.14 0.00	35.40 -0.18 0.00	34.28 -0.28 0.00	33.41 -0.34 0.00	34.25 -0.35 0.00	35.87 -0.29 0.00	37.72 -0.31 0.00	40.56 -0.37 0.00	47.41 -0.28 0.00	49.74 -0.35 0.00	51.45 -0.26 0.00	50.57 -0.20 0.00	42.04 -0.08 0.00	33.86 -0.03 0.00	29.62 0.00 -1.20
BROWNFLS_115KV_TB 3_5 80003	28.59 -1.01 0.00	25.84 -1.10 0.00	24.60 -1.11 0.00	24.75 -1.03 0.00	27.02 -0.89 0.00	30.08 -0.74 0.00	37.25 -0.96 0.00	37.62 -0.96 0.00	37.17 -0.76 0.00	34.25 -0.95 0.00	34.58 -1.00 0.00	33.52 -1.04 0.00	32.67 -1.08 0.00	33.35 -1.25 0.00	34.90 -1.27 0.00	36.85 -1.18 0.00	39.74 -1.19 0.00	46.31 -1.38 0.00	48.64 -1.45 0.00	50.31 -1.40 0.00	49.40 -1.37 0.00	41.03 -1.10 0.00	32.64 -1.25 0.00	27.21 -1.31 -0.09
BROWNSV1_27_KV_LOAD 356125	32.09 2.49 0.00	29.37 2.43 0.00	28.00 2.29 0.00	27.87 2.09 0.00	29.72 1.81 0.00	32.73 1.91 0.00	40.81 2.60 0.00	41.60 3.01 0.00	41.16 3.22 0.00	38.29 3.10 0.00	38.49 2.92 0.00	37.46 2.90 0.00	36.72 2.97 0.00	37.64 3.04 0.00	39.34 3.18 0.00	41.34 3.31 0.00	44.33 3.40 0.00	51.42 3.72 0.00	53.79 3.71 0.00	55.48 3.77 0.00	54.58 3.81 0.00	45.11 2.99 0.00	36.68 2.78 0.00	34.45 2.47 -3.55
BURROWS___LYONSDAL 23803	29.75 0.15 0.00	26.92 -0.03 0.00	25.66 -0.05 0.00	25.73 -0.05 0.00	27.88 -0.03 0.00	30.97 0.15 0.00	38.40 0.19 0.00	38.70 0.12 0.00	38.24 0.30 0.00	35.16 -0.04 0.00	35.50 -0.07 0.00	34.38 -0.17 0.00	33.41 -0.34 0.00	34.18 -0.42 0.00	35.84 -0.33 0.00	37.84 -0.19 0.00	40.77 -0.16 0.00	47.74 0.05 0.00	49.99 -0.10 0.00	51.76 0.05 0.00	50.88 0.10 0.00	42.12 0.00 0.00	33.80 -0.10 0.00	28.40 -0.14 -0.12
CAITHNESS_CC_1 323624	48.86 3.37 -15.88	47.07 3.23 -16.89	43.24 3.03 -14.50	30.23 2.86 -1.58	30.72 2.79 -0.02	48.04 2.96 -14.26	48.73 3.86 -6.66	49.58 4.17 -6.82	49.02 4.10 -6.99	49.93 3.73 -11.00	49.26 3.31 -10.37	50.64 3.18 -12.91	56.94 3.14 -20.05	64.78 3.29 -26.90	56.83 3.40 -17.27	56.55 3.57 -14.94	139.12 3.81 -94.38	197.97 4.20 -146.08	216.64 4.46 -162.09	208.95 4.50 -152.74	192.38 4.57 -137.04	137.51 3.71 -91.68	74.55 3.66 -36.99	53.05 3.41 -21.22
CALPINE BETH_PAGE_GT4 24209	48.12 2.63 -15.88	46.40 2.56 -16.89	42.73 2.52 -14.50	29.74 2.37 -1.58	30.10 2.18 -0.02	47.27 2.19 -14.26	47.74 2.87 -6.66	48.63 3.20 -6.84	49.91 3.26 -8.71	51.94 3.03 -13.72	50.94 2.49 -12.88	52.86 2.42 -15.88	55.32 2.46 -19.10	55.88 2.53 -18.76	54.70 2.64 -15.90	56.51 2.78 -15.70	52.96 2.91 -9.13	55.12 3.20 -4.23	58.04 3.26 -4.70	59.39 3.26 -4.43	58.10 3.35 -3.97	50.60 2.61 -5.87	46.91 2.88 -10.14	45.45 2.67 -14.36
CALPINE_BETH_PAGE_GT_4 323586	48.12 2.63 -15.88	46.40 2.56 -16.89	42.73 2.52 -14.50	29.73 2.37 -1.58	30.16 2.23 -0.02	47.27 2.19 -14.26	47.74 2.87 -6.66	48.63 3.20 -6.84	49.91 3.26 -8.71	51.91 2.99 -13.72	50.94 2.49 -12.88	52.93 2.49 -15.88	55.31 2.46 -19.10	55.88 2.52 -18.76	54.70 2.64 -15.90	56.51 2.77 -15.70	52.96 2.91 -9.13	55.12 3.20 -4.23	58.04 3.25 -4.70	59.39 3.26 -4.43	58.10 3.35 -3.97	50.65 2.66 -5.87	46.91 2.88 -10.14	45.43 2.64 -14.36
CALPINE_BP_GT1 23823	48.12 2.63 -15.88	46.40 2.56 -16.89	42.73 2.52 -14.50	29.73 2.37 -1.58	30.16 2.23 -0.02	47.27 2.19 -14.26	47.74 2.87 -6.66	48.63 3.20 -6.84	49.91 3.26 -8.71	51.91 2.99 -13.72	50.94 2.49 -12.88	52.93 2.49 -15.88	55.31 2.46 -19.10	55.88 2.52 -18.76	54.70 2.64 -15.90	56.51 2.77 -15.70	52.96 2.91 -9.13	55.12 3.20 -4.23	58.04 3.25 -4.70	59.39 3.26 -4.43	58.10 3.35 -3.97	50.65 2.66 -5.87	46.91 2.88 -10.14	45.43 2.64 -14.36
CALSPAN___DRP 24200	28.36 -1.24 0.00	25.54 -1.40 0.00	24.55 -1.16 0.00	24.54 -1.24 0.00	26.18 -1.73 0.00	29.31 -1.51 0.00	35.84 -2.37 0.00	35.96 -2.62 0.00	35.43 -2.50 0.00	32.59 -2.60 0.00	32.87 -2.70 0.00	31.79 -2.76 0.00	30.74 -3.00 0.00	31.48 -3.11 0.00	32.87 -3.29 0.00	34.57 -3.46 0.00	37.12 -3.81 0.00	43.40 -4.29 0.00	45.83 -4.26 0.00	47.52 -4.19 0.00	46.66 -4.11 0.00	39.34 -2.78 0.00	31.80 -2.10 0.00	27.21 -1.82 -0.60

CALVERTON___SOLAR 323806	49.06 3.58 -15.88	47.23 3.40 -16.89	43.39 3.19 -14.50	30.40 3.04 -1.58	30.91 2.99 -0.02	48.25 3.18 -14.26	49.00 4.13 -6.66	49.88 4.47 -6.82	49.32 4.40 -6.99	50.22 4.01 -11.01	49.51 3.56 -10.38	50.93 3.45 -12.92	57.15 3.41 -20.00	64.91 3.56 -26.75	57.07 3.69 -17.21	56.83 3.88 -14.92	138.25 4.13 -93.19	196.45 4.63 -144.12	214.93 4.91 -159.93	207.37 4.96 -150.70	191.01 5.03 -135.21	136.70 4.08 -90.49	74.46 3.96 -36.60	53.19 3.67 -21.10
CANDIGU_WT_PWR 323617	28.92 -0.68 0.00	26.19 -0.75 0.00	25.09 -0.62 0.00	25.09 -0.69 0.00	26.88 -1.03 0.00	29.99 -0.83 0.00	36.99 -1.22 0.00	37.16 -1.43 0.00	36.45 -1.48 0.00	33.54 -1.65 0.00	33.83 -1.74 0.00	32.55 -2.00 0.00	31.55 -2.19 0.00	32.35 -2.25 0.00	33.85 -2.32 0.00	35.63 -2.39 0.00	38.35 -2.58 0.00	44.98 -2.72 0.00	47.24 -2.85 0.00	48.92 -2.79 0.00	47.98 -2.79 0.00	40.10 -2.02 0.00	32.27 -1.63 0.00	27.81 -1.42 -0.81
CARR STREET_E_SYR 24060	29.39 -0.21 0.00	26.73 -0.22 0.00	25.53 -0.18 0.00	25.55 -0.23 0.00	27.52 -0.39 0.00	30.48 -0.34 0.00	37.79 -0.42 0.00	38.05 -0.54 0.00	37.36 -0.57 0.00	34.67 -0.53 0.00	35.08 -0.50 0.00	34.00 -0.55 0.00	33.17 -0.57 0.00	34.04 -0.55 0.00	35.62 -0.54 0.00	37.50 -0.53 0.00	40.27 -0.66 0.00	47.03 -0.67 0.00	49.34 -0.75 0.00	50.98 -0.72 0.00	50.06 -0.71 0.00	41.57 -0.55 0.00	33.53 -0.37 0.00	28.59 -0.17 -0.33
CARTHAGE___PAPER 23857	29.13 -0.47 0.00	26.35 -0.59 0.00	25.07 -0.64 0.00	25.19 -0.59 0.00	27.41 -0.50 0.00	30.51 -0.31 0.00	37.83 -0.38 0.00	38.08 -0.50 0.00	37.55 -0.38 0.00	34.42 -0.77 0.00	34.76 -0.82 0.00	33.59 -0.97 0.00	32.60 -1.15 0.00	33.31 -1.28 0.00	34.93 -1.23 0.00	37.00 -1.02 0.00	39.91 -1.02 0.00	46.88 -0.81 0.00	49.24 -0.85 0.00	51.09 -0.62 0.00	50.27 -0.51 0.00	41.66 -0.46 0.00	33.25 -0.65 0.00	27.88 -0.71 -0.16
CASSADAGA_WT_PWR 323784	28.65 -0.95 0.00	25.82 -1.13 0.00	24.86 -0.85 0.00	24.91 -0.88 0.00	26.60 -1.31 0.00	29.90 -0.92 0.00	36.72 -1.49 0.00	37.08 -1.51 0.00	36.38 -1.56 0.00	33.37 -1.83 0.00	33.51 -2.06 0.00	32.20 -2.35 0.00	31.11 -2.63 0.00	31.76 -2.84 0.00	33.20 -2.96 0.00	34.91 -3.12 0.00	37.53 -3.40 0.00	43.74 -3.96 0.00	46.18 -3.91 0.00	47.73 -3.98 0.00	46.76 -4.01 0.00	39.17 -2.95 0.00	31.63 -2.27 0.00	26.82 -2.25 -0.65
CE_DUNWOOD___DRP 24194	31.70 2.10 0.00	29.02 2.07 0.00	27.66 1.95 0.00	27.59 1.80 0.00	29.47 1.56 0.00	32.45 1.63 0.00	40.39 2.18 0.00	41.10 2.51 0.00	40.59 2.66 0.00	37.73 2.53 0.00	37.96 2.38 0.00	36.90 2.35 0.00	36.18 2.43 0.00	37.08 2.49 0.00	38.76 2.60 0.00	40.77 2.74 0.00	43.75 2.82 0.00	50.80 3.10 0.00	53.19 3.11 0.00	54.86 3.15 0.00	53.92 3.15 0.00	44.61 2.49 0.00	36.24 2.34 0.00	34.07 2.10 -3.54
CE_MILLWOOD___DRP 24193	31.64 2.04 0.00	28.97 2.02 0.00	27.59 1.88 0.00	27.51 1.73 0.00	29.42 1.51 0.00	32.39 1.57 0.00	40.27 2.06 0.00	40.98 2.39 0.00	40.51 2.58 0.00	37.63 2.43 0.00	37.85 2.28 0.00	36.80 2.25 0.00	36.08 2.33 0.00	36.98 2.39 0.00	38.69 2.53 0.00	40.69 2.66 0.00	43.63 2.70 0.00	50.70 3.00 0.00	53.04 2.96 0.00	54.76 3.05 0.00	53.82 3.05 0.00	44.52 2.40 0.00	36.13 2.24 0.00	34.00 2.05 -3.53
CE_NYC2_DRP 24202	31.91 2.31 0.00	29.29 2.34 0.00	27.92 2.21 0.00	27.79 2.01 0.00	29.58 1.67 0.00	32.54 1.73 0.00	40.46 2.25 0.00	41.25 2.66 0.00	40.85 2.92 0.00	38.05 2.85 0.00	38.24 2.67 0.00	37.32 2.76 0.00	36.58 2.83 0.00	38.04 2.91 -0.54	39.16 3.00 0.00	41.15 3.12 0.00	44.12 3.19 0.00	51.13 3.43 0.00	53.49 3.41 0.00	55.12 3.41 0.00	54.23 3.45 0.00	44.78 2.65 0.00	36.44 2.54 0.00	34.28 2.30 -3.55
CE_NYC_DRP 24195	31.91 2.31 0.00	29.24 2.29 0.00	27.87 2.16 0.00	27.74 1.96 0.00	29.61 1.70 0.00	32.61 1.79 0.00	40.62 2.41 0.00	41.37 2.78 0.00	40.93 3.00 0.00	38.08 2.89 0.00	38.24 2.67 0.00	37.25 2.70 0.00	36.51 2.77 0.00	37.48 2.84 -0.05	39.13 2.97 0.00	41.11 3.08 0.00	44.08 3.15 0.00	51.13 3.43 0.00	53.44 3.36 0.00	55.17 3.46 0.00	54.23 3.45 0.00	44.86 2.74 0.00	36.47 2.58 0.00	34.31 2.33 -3.55
CHAFFEE___LFGE 323603	28.45 -1.15 0.00	25.60 -1.35 0.00	24.63 -1.08 0.00	24.62 -1.16 0.00	26.24 -1.67 0.00	29.40 -1.42 0.00	35.99 -2.22 0.00	36.16 -2.43 0.00	35.58 -2.35 0.00	32.77 -2.43 0.00	33.01 -2.56 0.00	31.76 -2.80 0.00	30.78 -2.97 0.00	31.62 -2.98 0.00	33.05 -3.11 0.00	34.76 -3.27 0.00	37.37 -3.56 0.00	43.69 -4.01 0.00	46.13 -3.96 0.00	47.83 -3.88 0.00	46.97 -3.81 0.00	39.43 -2.70 0.00	31.93 -1.97 0.00	27.26 -1.79 -0.63
CHATEAUG_35_KV_LOAD 355732	29.69 0.09 0.00	26.84 -0.11 0.00	25.48 -0.23 0.00	25.55 -0.23 0.00	27.83 -0.08 0.00	30.66 -0.15 0.00	37.98 -0.23 0.00	38.55 -0.04 0.00	38.12 0.19 0.00	35.51 0.32 0.00	35.93 0.36 0.00	34.90 0.35 0.00	34.15 0.40 0.00	34.94 0.35 0.00	36.49 0.33 0.00	38.33 0.30 0.00	41.30 0.37 0.00	48.08 0.38 0.00	50.54 0.45 0.00	51.97 0.26 0.00	50.72 -0.05 0.00	41.83 -0.29 0.00	33.36 -0.54 0.00	27.69 0.00 0.00
CHATEAUG_WT_PWR 323614	29.72 0.12 0.00	26.87 -0.08 0.00	25.50 -0.21 0.00	25.57 -0.21 0.00	27.83 -0.08 0.00	30.63 -0.18 0.00	37.98 -0.23 0.00	38.51 -0.08 0.00	38.16 0.23 0.00	35.55 0.35 0.00	35.97 0.39 0.00	34.93 0.38 0.00	34.18 0.44 0.00	34.97 0.38 0.00	36.49 0.32 0.00	38.37 0.34 0.00	41.30 0.37 0.00	48.08 0.38 0.00	50.49 0.40 0.00	51.92 0.21 0.00	50.67 -0.10 0.00	41.83 -0.29 0.00	33.35 -0.54 0.00	27.69 -0.74 0.00
CHAT_HIGH_FALL_HYD 323578	29.69 0.09 0.00	26.84 -0.11 0.00	25.48 -0.23 0.00	25.55 -0.23 0.00	27.83 -0.08 0.00	30.66 -0.15 0.00	37.98 -0.23 0.00	38.55 -0.04 0.00	38.12 0.19 0.00	35.51 0.32 0.00	35.93 0.36 0.00	34.90 0.35 0.00	34.15 0.40 0.00	34.94 0.35 0.00	36.49 0.33 0.00	38.33 0.30 0.00	41.30 0.37 0.00	48.08 0.38 0.00	50.54 0.45 0.00	51.97 0.26 0.00	50.72 -0.05 0.00	41.83 -0.29 0.00	33.36 -0.54 0.00	27.69 -0.74 0.00
CHAUTAUQUA___LFGE 323629	28.62 -0.98 0.00	25.79 -1.16 0.00	24.81 -0.90 0.00	24.83 -0.95 0.00	26.49 -1.42 0.00	29.74 -1.08 0.00	36.41 -1.80 0.00	36.66 -1.93 0.00	36.00 -1.93 0.00	33.09 -2.11 0.00	33.30 -2.28 0.00	32.00 -2.56 0.00	31.01 -2.73 0.00	31.79 -2.80 0.00	33.23 -2.93 0.00	34.91 -3.12 0.00	37.49 -3.44 0.00	43.83 -3.86 0.00	46.28 -3.81 0.00	47.94 -3.77 0.00	47.07 -3.70 0.00	39.47 -2.65 0.00	31.93 -1.97 0.00	27.26 -1.79 -0.63
CHERRYST_13_KV_LD 356241	32.00 2.40 0.00	29.32 2.37 0.00	27.92 2.21 0.00	27.82 2.04 0.00	29.67 1.76 0.00	32.67 1.85 0.00	40.73 2.52 0.00	41.48 2.89 0.00	41.08 3.15 0.00	38.22 3.03 0.00	38.38 2.81 0.00	37.39 2.83 0.00	36.65 2.90 0.00	37.53 2.94 0.00	39.27 3.11 0.00	41.22 3.19 0.00	44.20 3.27 0.00	51.27 3.58 0.00	53.64 3.56 0.00	55.33 3.62 0.00	54.38 3.60 0.00	44.99 2.86 0.00	36.58 2.68 0.00	34.36 2.39 -3.55

CHESTROR_138KV_BK263 355645	31.32 1.72 0.00	28.64 1.70 0.00	27.30 1.59 0.00	27.25 1.47 0.00	29.16 1.26 0.00	32.11 1.29 0.00	39.93 1.72 0.00	40.59 2.01 0.00	40.02 2.09 0.00	37.17 1.97 0.00	37.42 1.85 0.00	36.35 1.80 0.00	35.64 1.89 0.00	36.53 1.94 0.00	38.22 2.06 0.00	40.20 2.17 0.00	43.14 2.21 0.00	50.18 2.48 0.00	52.54 2.45 0.00	54.24 2.53 0.00	53.36 2.59 0.00	44.14 2.02 0.00	35.80 1.90 0.00	33.41 1.71 -3.28
CH_MIDHUDSON___DRP 24192	31.52 1.92 0.00	28.83 1.89 0.00	27.48 1.77 0.00	27.43 1.65 0.00	29.33 1.42 0.00	32.30 1.48 0.00	40.12 1.91 0.00	40.83 2.24 0.00	40.25 2.31 0.00	37.34 2.15 0.00	37.60 2.03 0.00	36.52 1.97 0.00	35.84 2.09 0.00	36.70 2.11 0.00	38.44 2.28 0.00	40.42 2.40 0.00	43.38 2.46 0.00	50.46 2.77 0.00	52.84 2.75 0.00	54.60 2.90 0.00	53.67 2.89 0.00	44.36 2.23 0.00	35.97 2.07 0.00	33.93 1.90 -3.60
CH_MISC_IPPS 23765	31.61 2.01 0.00	28.94 1.99 0.00	27.56 1.85 0.00	27.51 1.73 0.00	29.47 1.56 0.00	32.39 1.57 0.00	40.31 2.10 0.00	40.98 2.39 0.00	40.40 2.46 0.00	37.48 2.29 0.00	37.74 2.17 0.00	36.70 2.14 0.00	35.97 2.23 0.00	36.84 2.25 0.00	38.55 2.39 0.00	40.62 2.59 0.00	43.59 2.66 0.00	50.75 3.06 0.00	53.09 3.01 0.00	54.86 3.15 0.00	53.92 3.15 0.00	44.61 2.48 0.00	36.13 2.24 0.00	33.98 2.02 -3.53
CH_RES_BVR_FALLS 23983	29.54 -0.06 0.00	26.81 -0.13 0.00	25.50 -0.21 0.00	25.52 -0.26 0.00	27.63 -0.28 0.00	30.45 -0.37 0.00	37.71 -0.50 0.00	38.16 -0.42 0.00	37.67 -0.26 0.00	35.09 -0.11 0.00	35.50 -0.07 0.00	34.48 -0.07 0.00	33.65 -0.10 0.00	34.39 -0.21 0.00	35.91 -0.25 0.00	37.72 -0.31 0.00	40.56 -0.37 0.00	47.22 -0.48 0.00	49.59 -0.50 0.00	51.03 -0.67 0.00	49.86 -0.91 0.00	41.20 -0.93 0.00	33.02 -0.88 0.00	27.60 -0.83 0.00
CH_RES_NIAGARA 23895	27.56 -2.04 0.00	24.79 -2.16 0.00	23.91 -1.80 0.00	23.90 -1.88 0.00	25.40 -2.51 0.00	28.45 -2.37 0.00	34.69 -3.52 0.00	34.65 -3.94 0.00	34.18 -3.76 0.00	31.47 -3.73 0.00	31.73 -3.84 0.00	30.72 -3.84 0.00	29.73 -4.02 0.00	30.44 -4.15 0.00	31.79 -4.38 0.00	33.35 -4.68 0.00	35.73 -5.20 0.00	41.83 -5.87 0.00	44.23 -5.86 0.00	45.92 -5.79 0.00	45.19 -5.59 0.00	38.21 -3.92 0.00	30.91 -2.98 0.00	26.90 -2.08 -0.55
CH_RES_SYRACUSE 23985	29.45 -0.15 0.00	26.79 -0.16 0.00	25.56 -0.15 0.00	25.57 -0.21 0.00	27.58 -0.33 0.00	30.54 -0.28 0.00	37.90 -0.31 0.00	38.13 -0.46 0.00	37.44 -0.49 0.00	34.74 -0.46 0.00	35.18 -0.39 0.00	34.10 -0.45 0.00	33.27 -0.47 0.00	34.14 -0.45 0.00	35.73 -0.43 0.00	37.61 -0.42 0.00	40.44 -0.49 0.00	47.22 -0.48 0.00	49.49 -0.60 0.00	51.14 -0.57 0.00	50.17 -0.61 0.00	41.70 -0.42 0.00	33.59 -0.31 0.00	28.65 -0.11 -0.33
CLINTON_WT_PWR 323605	29.72 0.12 0.00	26.87 -0.08 0.00	25.50 -0.21 0.00	25.57 -0.21 0.00	27.83 -0.08 0.00	30.63 -0.18 0.00	37.98 -0.23 0.00	38.51 -0.08 0.00	38.16 0.23 0.00	35.55 0.35 0.00	35.97 0.39 0.00	34.93 0.38 0.00	34.18 0.44 0.00	34.97 0.38 0.00	36.49 0.32 0.00	38.37 0.34 0.00	41.30 0.37 0.00	48.08 0.38 0.00	50.49 0.40 0.00	51.92 0.21 0.00	50.67 -0.10 0.00	41.83 -0.29 0.00	33.35 -0.54 0.00	27.69 -0.74 0.00
CLINTON___LFGE 323618	30.25 0.65 0.00	27.27 0.32 0.00	25.86 0.16 0.00	25.89 0.10 0.00	28.13 0.22 0.00	30.97 0.15 0.00	38.40 0.19 0.00	39.05 0.46 0.00	38.77 0.83 0.00	36.11 0.91 0.00	36.54 0.96 0.00	35.49 0.93 0.00	34.73 0.98 0.00	35.56 0.97 0.00	37.07 0.90 0.00	38.94 0.91 0.00	41.91 0.98 0.00	48.89 1.19 0.00	51.34 1.25 0.00	52.80 1.09 0.00	51.39 0.61 0.00	42.29 0.17 0.00	33.73 -0.17 0.00	27.97 -0.46 0.00
COBBLENY_34_KV_TB1 80064	28.45 -1.15 0.00	25.60 -1.35 0.00	24.63 -1.08 0.00	24.62 -1.16 0.00	26.26 -1.65 0.00	29.43 -1.39 0.00	35.99 -2.22 0.00	36.16 -2.43 0.00	35.58 -2.35 0.00	32.73 -2.46 0.00	33.01 -2.56 0.00	31.96 -2.59 0.00	30.88 -2.87 0.00	31.62 -2.98 0.00	33.05 -3.11 0.00	34.76 -3.27 0.00	37.37 -3.56 0.00	43.69 -4.01 0.00	46.13 -3.96 0.00	47.83 -3.88 0.00	46.97 -3.81 0.00	39.60 -2.53 0.00	31.93 -1.97 0.00	27.26 -1.79 -0.63
COFFEEN___115KV_TB3 355620	29.42 -0.18 0.00	26.65 -0.30 0.00	25.35 -0.36 0.00	25.45 -0.34 0.00	27.66 -0.25 0.00	30.82 0.00 0.00	38.17 -0.04 0.00	38.32 -0.27 0.00	37.71 -0.23 0.00	34.56 -0.63 0.00	34.93 -0.64 0.00	33.72 -0.83 0.00	32.67 -1.08 0.00	33.35 -1.25 0.00	35.04 -1.12 0.00	37.19 -0.84 0.00	40.15 -0.78 0.00	47.27 -0.43 0.00	49.69 -0.40 0.00	51.66 -0.05 0.00	50.93 0.15 0.00	42.16 0.04 0.00	33.73 -0.17 0.00	28.30 -0.31 -0.18
COLDSPRG_115KV_BK1 355956	29.10 -0.50 0.00	26.22 -0.73 0.00	25.25 -0.46 0.00	25.27 -0.52 0.00	26.96 -0.95 0.00	30.29 -0.52 0.00	37.18 -1.03 0.00	37.55 -1.04 0.00	36.87 -1.06 0.00	33.86 -1.34 0.00	34.08 -1.49 0.00	32.93 -1.62 0.00	31.79 -1.96 0.00	32.48 -2.11 0.00	33.96 -2.21 0.00	35.71 -2.32 0.00	38.39 -2.54 0.00	44.83 -2.86 0.00	47.28 -2.80 0.00	48.92 -2.79 0.00	48.03 -2.74 0.00	40.31 -1.81 0.00	32.51 -1.39 0.00	27.36 -1.73 -0.66
COLONIE_LFGE___ 323577	35.70 1.21 -4.89	28.16 1.21 0.00	26.84 1.13 0.00	26.95 1.08 -0.08	29.46 0.89 -0.66	46.21 1.02 -14.38	67.15 1.34 -27.61	60.31 1.43 -20.30	41.77 1.10 -2.74	36.04 0.84 0.00	36.89 0.99 -0.32	36.01 1.04 -0.42	34.69 0.94 0.00	36.84 1.11 -1.14	37.76 1.16 -0.44	39.17 1.14 0.00	43.84 1.35 -1.57	49.27 1.57 0.00	51.89 1.80 0.00	53.57 1.86 0.00	52.65 1.88 0.00	43.56 1.43 0.00	35.25 1.36 0.00	34.24 1.25 -4.56
COOPERNY_115KV_TB1 80082	30.90 1.30 0.00	28.24 1.29 0.00	26.94 1.23 0.00	26.92 1.13 0.00	28.86 0.95 0.00	31.84 1.02 0.00	39.55 1.34 0.00	40.09 1.50 0.00	39.53 1.59 0.00	36.68 1.48 0.00	36.96 1.39 0.00	35.90 1.35 0.00	35.13 1.38 0.00	36.01 1.42 0.00	37.68 1.52 0.00	39.63 1.60 0.00	42.61 1.68 0.00	49.56 1.86 0.00	51.94 1.85 0.00	53.62 1.91 0.00	52.70 1.93 0.00	43.64 1.52 0.00	35.32 1.42 0.00	32.42 1.31 -2.69
COPENHAGEN_WT_PWR 323753	29.28 -0.32 0.00	26.51 -0.43 0.00	25.25 -0.46 0.00	25.34 -0.44 0.00	27.52 -0.39 0.00	30.63 -0.18 0.00	37.94 -0.27 0.00	38.13 -0.46 0.00	37.52 -0.42 0.00	34.46 -0.74 0.00	34.83 -0.75 0.00	33.65 -0.90 0.00	32.67 -1.08 0.00	33.35 -1.24 0.00	35.00 -1.16 0.00	37.12 -0.91 0.00	39.99 -0.94 0.00	47.03 -0.67 0.00	49.39 -0.70 0.00	51.29 -0.42 0.00	50.52 -0.25 0.00	41.83 -0.29 0.00	33.49 -0.41 0.00	28.16 -0.46 -0.19
CORNELL_____ 23752	30.07 0.47 0.00	27.35 0.40 0.00	26.12 0.41 0.00	26.12 0.34 0.00	28.10 0.20 0.00	31.16 0.34 0.00	38.71 0.50 0.00	39.01 0.42 0.00	38.20 0.27 0.00	35.34 0.14 0.00	35.68 0.11 0.00	34.52 -0.03 0.00	33.68 -0.07 0.00	34.49 -0.10 0.00	36.16 0.00 0.00	38.10 0.08 0.00	41.05 0.12 0.00	48.13 0.43 0.00	50.59 0.50 0.00	52.33 0.62 0.00	51.38 0.61 0.00	42.71 0.59 0.00	34.30 0.41 0.00	29.60 0.40 -0.78

CORONA__KV_TB1 355595	48.32 2.84 -15.88	46.59 2.75 -16.89	42.80 2.60 -14.50	29.79 2.42 -1.58	30.16 2.23 -0.02	47.45 2.37 -14.26	47.97 3.09 -6.66	48.88 3.40 -6.89	53.96 3.49 -12.54	58.18 3.24 -19.75	56.96 2.85 -18.54	60.18 2.76 -22.86	63.85 2.80 -27.30	63.93 2.84 -26.50	61.86 3.00 -22.70	63.69 3.16 -22.50	53.63 3.27 -9.43	51.43 3.72 -0.02	53.91 3.81 -0.02	55.60 3.88 -0.02	54.70 3.91 -0.02	49.90 3.03 -4.74	50.28 3.02 -13.36	49.85 2.70 -18.72
CORTLAND_115KV_TB3 80093	29.93 0.33 0.00	27.24 0.30 0.00	25.99 0.28 0.00	26.01 0.23 0.00	28.02 0.11 0.00	31.03 0.22 0.00	38.52 0.31 0.00	38.82 0.23 0.00	38.08 0.15 0.00	35.27 0.07 0.00	35.65 0.07 0.00	34.52 -0.03 0.00	33.68 -0.07 0.00	34.49 -0.10 0.00	36.12 -0.04 0.00	38.07 0.04 0.00	40.93 0.00 0.00	47.93 0.00 0.00	50.29 0.20 0.00	52.02 0.31 0.00	51.08 0.30 0.00	42.46 0.34 0.00	34.17 0.27 0.00	29.36 0.28 -0.65
COXSACKIE__GT 23611	29.69 1.42 1.33	28.27 1.32 0.00	26.92 1.21 0.00	26.95 1.19 0.02	28.76 1.03 0.18	28.13 1.23 3.92	32.32 1.64 7.53	34.83 1.78 5.54	38.83 1.44 0.54	35.94 0.74 0.00	36.47 0.96 0.06	35.37 0.90 0.08	34.46 0.71 0.00	35.37 1.00 0.23	37.23 1.16 0.09	39.09 1.06 0.00	42.21 1.59 0.31	49.61 1.91 0.00	52.44 2.35 0.00	54.34 2.64 0.00	53.36 2.59 0.00	44.14 2.02 0.00	35.59 1.69 0.00	33.69 1.11 -4.16
CPV_VALLEY__CC1 323721	31.20 1.60 0.00	28.54 1.59 0.00	27.20 1.49 0.00	27.15 1.37 0.00	29.11 1.20 0.00	32.02 1.20 0.00	39.81 1.60 0.00	40.44 1.85 0.00	39.90 1.97 0.00	37.03 1.83 0.00	37.28 1.71 0.00	36.28 1.73 0.00	35.50 1.75 0.00	36.39 1.80 0.00	38.08 1.92 0.00	40.04 2.01 0.00	43.02 2.09 0.00	49.99 2.29 0.00	52.34 2.26 0.00	54.04 2.33 0.00	53.16 2.39 0.00	44.02 1.90 0.00	35.66 1.76 0.00	33.08 1.59 -3.07
CPV_VALLEY__CC2 323722	31.20 1.60 0.00	28.54 1.59 0.00	27.20 1.49 0.00	27.15 1.37 0.00	29.11 1.20 0.00	32.02 1.20 0.00	39.81 1.60 0.00	40.44 1.85 0.00	39.90 1.97 0.00	37.03 1.83 0.00	37.28 1.71 0.00	36.28 1.73 0.00	35.50 1.75 0.00	36.39 1.80 0.00	38.08 1.92 0.00	40.04 2.01 0.00	43.02 2.09 0.00	49.99 2.29 0.00	52.34 2.26 0.00	54.04 2.33 0.00	53.16 2.39 0.00	44.02 1.90 0.00	35.66 1.76 0.00	33.08 1.59 -3.07
CRESCENT__HYD 24018	35.70 1.21 -4.89	28.16 1.21 0.00	26.84 1.13 0.00	26.95 1.08 -0.08	29.46 0.89 -0.66	46.21 1.02 -14.38	67.15 1.34 -27.61	60.31 1.43 -20.30	41.77 1.10 -2.74	36.04 0.84 0.00	36.89 0.99 -0.32	36.01 1.04 -0.42	34.69 0.94 0.00	36.84 1.11 -1.14	37.76 1.16 -0.44	39.17 1.14 0.00	43.84 1.35 -1.57	49.27 1.57 0.00	51.89 1.80 0.00	53.57 1.86 0.00	52.65 1.88 0.00	43.56 1.43 0.00	35.25 1.36 0.00	34.24 1.25 -4.56
CRICKET__VALLEY_CC1 323756	31.38 1.78 0.00	28.72 1.78 0.00	27.38 1.67 0.00	27.33 1.55 0.00	29.28 1.37 0.00	32.08 1.26 0.00	39.81 1.60 0.00	40.48 1.89 0.00	39.94 2.01 0.00	37.10 1.90 0.00	37.35 1.78 0.00	36.38 1.83 0.00	35.60 1.85 0.00	36.49 1.90 0.00	38.15 1.99 0.00	40.12 2.09 0.00	43.06 2.13 0.00	50.03 2.34 0.00	52.39 2.31 0.00	54.09 2.38 0.00	53.16 2.39 0.00	44.02 1.90 0.00	35.73 1.83 0.00	33.82 1.68 -3.72
CRICKET__VALLEY_CC2 323757	31.38 1.78 0.00	28.72 1.78 0.00	27.38 1.67 0.00	27.33 1.55 0.00	29.28 1.37 0.00	32.08 1.26 0.00	39.81 1.60 0.00	40.48 1.89 0.00	39.94 2.01 0.00	37.10 1.90 0.00	37.35 1.78 0.00	36.38 1.83 0.00	35.60 1.85 0.00	36.49 1.90 0.00	38.15 1.99 0.00	40.12 2.09 0.00	43.06 2.13 0.00	50.03 2.34 0.00	52.39 2.31 0.00	54.09 2.38 0.00	53.16 2.39 0.00	44.02 1.90 0.00	35.73 1.83 0.00	33.82 1.68 -3.72
CRICKET__VALLEY_CC3 323758	31.38 1.78 0.00	28.72 1.78 0.00	27.38 1.67 0.00	27.33 1.55 0.00	29.28 1.37 0.00	32.08 1.26 0.00	39.81 1.60 0.00	40.48 1.89 0.00	39.94 2.01 0.00	37.10 1.90 0.00	37.35 1.78 0.00	36.38 1.83 0.00	35.60 1.85 0.00	36.49 1.90 0.00	38.15 1.99 0.00	40.12 2.09 0.00	43.06 2.13 0.00	50.03 2.34 0.00	52.39 2.31 0.00	54.09 2.38 0.00	53.16 2.39 0.00	44.02 1.90 0.00	35.73 1.83 0.00	33.82 1.68 -3.72
CRUCIBLE_METL_DRP 24180	29.45 -0.15 0.00	26.78 -0.16 0.00	25.55 -0.15 0.00	25.58 -0.21 0.00	27.57 -0.33 0.00	30.54 -0.28 0.00	37.90 -0.31 0.00	38.12 -0.46 0.00	37.44 -0.49 0.00	34.74 -0.46 0.00	35.18 -0.39 0.00	34.10 -0.45 0.00	33.27 -0.47 0.00	34.14 -0.45 0.00	35.73 -0.43 0.00	37.61 -0.42 0.00	40.44 -0.49 0.00	47.22 -0.48 0.00	49.54 -0.55 0.00	51.14 -0.57 0.00	50.22 -0.56 0.00	41.74 -0.38 0.00	33.59 -0.31 0.00	28.65 -0.11 -0.33
DAHOWA__HYDRO 323763	33.56 1.48 -2.48	28.43 1.48 0.00	27.07 1.36 0.00	27.11 1.29 -0.04	29.39 1.14 -0.33	39.47 1.35 -7.30	54.02 1.80 -14.01	50.70 1.81 -10.30	40.72 1.40 -1.38	36.25 1.05 0.00	36.91 1.17 -0.16	35.98 1.21 0.00	34.83 1.08 0.00	36.41 1.24 -0.57	37.79 1.41 -0.22	39.55 1.52 0.00	43.61 1.88 -0.79	49.99 2.29 0.00	52.74 2.65 0.00	54.55 2.84 0.00	53.62 2.84 0.00	44.31 2.19 0.00	35.73 1.83 0.00	34.68 1.65 -4.61
DANC__LFGE 323619	29.21 -0.39 0.00	26.51 -0.43 0.00	25.27 -0.44 0.00	25.34 -0.44 0.00	27.43 -0.47 0.00	30.45 -0.37 0.00	37.71 -0.50 0.00	37.89 -0.69 0.00	37.29 -0.65 0.00	34.39 -0.81 0.00	34.79 -0.78 0.00	33.65 -0.90 0.00	32.70 -1.05 0.00	33.45 -1.14 0.00	35.08 -1.08 0.00	37.08 -0.95 0.00	39.91 -1.02 0.00	46.79 -0.91 0.00	49.13 -0.95 0.00	50.93 -0.77 0.00	50.11 -0.66 0.00	41.62 -0.50 0.00	33.42 -0.47 0.00	28.22 -0.43 -0.22
DANSKAMMER__1 23586	31.61 2.01 0.00	28.94 1.99 0.00	27.56 1.85 0.00	27.51 1.73 0.00	29.47 1.56 0.00	32.39 1.57 0.00	40.31 2.10 0.00	40.98 2.39 0.00	40.40 2.46 0.00	37.48 2.29 0.00	37.74 2.17 0.00	36.70 2.14 0.00	35.97 2.23 0.00	36.84 2.25 0.00	38.55 2.39 0.00	40.62 2.59 0.00	43.59 2.66 0.00	50.75 3.06 0.00	53.09 3.01 0.00	54.86 3.15 0.00	53.92 3.15 0.00	44.61 2.48 0.00	36.13 2.24 0.00	33.98 2.02 -3.53
DANSKAMMER__2 23589	31.61 2.01 0.00	28.94 1.99 0.00	27.56 1.85 0.00	27.51 1.73 0.00	29.47 1.56 0.00	32.39 1.57 0.00	40.31 2.10 0.00	40.98 2.39 0.00	40.40 2.46 0.00	37.48 2.29 0.00	37.74 2.17 0.00	36.70 2.14 0.00	35.97 2.23 0.00	36.84 2.25 0.00	38.55 2.39 0.00	40.62 2.59 0.00	43.59 2.66 0.00	50.75 3.06 0.00	53.09 3.01 0.00	54.86 3.15 0.00	53.92 3.15 0.00	44.61 2.48 0.00	36.13 2.24 0.00	33.98 2.02 -3.53
DANSKAMMER__3 23590	31.61 2.01 0.00	28.94 1.99 0.00	27.56 1.85 0.00	27.51 1.73 0.00	29.47 1.56 0.00	32.39 1.57 0.00	40.31 2.10 0.00	40.98 2.39 0.00	40.40 2.46 0.00	37.48 2.29 0.00	37.74 2.17 0.00	36.70 2.14 0.00	35.97 2.23 0.00	36.84 2.25 0.00	38.55 2.39 0.00	40.62 2.59 0.00	43.59 2.66 0.00	50.75 3.06 0.00	53.09 3.01 0.00	54.86 3.15 0.00	53.92 3.15 0.00	44.61 2.48 0.00	36.13 2.24 0.00	33.98 2.02 -3.53

DANSKAMMER___4 23591	31.61 2.01 0.00	28.94 1.99 0.00	27.56 1.85 0.00	27.51 1.73 0.00	29.47 1.56 0.00	32.39 1.57 0.00	40.31 2.10 0.00	40.98 2.39 0.00	40.40 2.46 0.00	37.48 2.29 0.00	37.74 2.17 0.00	36.70 2.14 0.00	35.97 2.23 0.00	36.84 2.25 0.00	38.55 2.39 0.00	40.62 2.59 0.00	43.59 2.66 0.00	50.75 3.06 0.00	53.09 3.01 0.00	54.86 3.15 0.00	53.92 3.15 0.00	44.61 2.48 0.00	36.13 2.24 0.00	33.98 2.02 -3.53
DANSKAMMER___DIESEL 23592	31.61 2.01 0.00	28.94 1.99 0.00	27.56 1.85 0.00	27.51 1.73 0.00	29.42 1.51 0.00	32.39 1.57 0.00	40.31 2.10 0.00	40.98 2.39 0.00	40.40 2.47 0.00	37.48 2.29 0.00	37.74 2.17 0.00	36.66 2.11 0.00	35.97 2.23 0.00	36.84 2.25 0.00	38.58 2.42 0.00	40.61 2.59 0.00	43.59 2.66 0.00	50.75 3.05 0.00	53.09 3.01 0.00	54.86 3.15 0.00	53.92 3.15 0.00	44.61 2.49 0.00	36.13 2.24 0.00	33.98 2.02 -3.53
DARBY___SOLAR 323810	32.94 1.60 -1.74	28.54 1.59 0.00	27.15 1.44 0.00	27.18 1.37 -0.03	29.40 1.26 -0.24	37.43 1.48 -5.13	50.05 1.99 -9.86	47.80 1.97 -7.25	40.31 1.40 -0.97	36.15 0.95 0.00	36.75 1.07 -0.11	35.78 1.07 -0.15	34.69 0.94 0.00	36.10 1.11 -0.40	37.66 1.34 -0.16	39.59 1.56 0.00	43.53 2.05 -0.56	50.27 2.57 0.00	53.14 3.06 0.00	55.07 3.36 0.00	54.12 3.35 0.00	44.65 2.53 0.00	35.97 2.07 0.00	34.87 1.82 -4.62
DASHVILLE___HYD 23610	31.34 2.07 0.33	28.91 1.97 0.00	27.53 1.83 0.00	27.53 1.75 0.01	29.40 1.53 0.04	31.48 1.63 0.97	38.49 2.14 1.86	39.69 2.47 1.37	40.34 2.54 0.13	37.38 2.18 0.00	37.76 2.21 0.02	36.67 2.14 0.02	35.84 2.09 0.00	36.82 2.28 0.06	38.56 2.42 0.02	40.42 2.40 0.00	43.55 2.70 0.08	50.56 2.86 0.00	52.89 2.80 0.00	54.66 2.95 0.00	53.72 2.94 0.00	44.44 2.32 0.00	36.03 2.14 0.00	33.67 1.65 -3.60
DELAWARE___LFGE 323621	30.61 1.01 0.00	27.92 0.97 0.00	26.66 0.95 0.00	26.66 0.88 0.00	28.69 0.78 0.00	31.68 0.86 0.00	39.32 1.11 0.00	39.75 1.16 0.00	39.11 1.18 0.00	36.22 1.02 0.00	36.57 1.00 0.00	35.52 0.97 0.00	34.62 0.88 0.00	35.49 0.90 0.00	37.17 1.01 0.00	39.13 1.10 0.00	42.07 1.15 0.00	49.13 1.43 0.00	51.49 1.40 0.00	53.16 1.45 0.00	52.30 1.52 0.00	43.30 1.18 0.00	34.98 1.08 0.00	30.97 0.97 -1.58
DERFIELD_115KV_TB7 355931	29.75 0.15 0.00	27.11 0.16 0.00	25.86 0.15 0.00	25.91 0.13 0.00	27.96 0.06 0.00	30.88 0.06 0.00	38.29 0.08 0.00	38.66 0.08 0.00	38.01 0.08 0.00	35.23 0.04 0.00	35.61 0.04 0.00	34.59 0.03 0.00	33.75 0.00 0.00	34.63 0.03 0.00	36.20 0.04 0.00	38.07 0.04 0.00	40.97 0.04 0.00	47.79 0.10 0.00	50.14 0.05 0.00	51.76 0.05 0.00	50.82 0.05 0.00	42.12 0.00 0.00	34.00 0.10 0.00	28.57 0.14 0.00
DOGLEVILLE___HYD 23807	29.72 0.12 0.00	27.08 0.13 0.00	25.84 0.13 0.00	25.86 0.08 0.00	27.91 0.00 0.00	30.79 -0.03 0.00	38.13 -0.08 0.00	38.43 -0.15 0.00	37.74 -0.19 0.00	35.02 -0.18 0.00	35.43 -0.14 0.00	34.41 -0.14 0.00	33.54 -0.20 0.00	34.39 -0.21 0.00	35.98 -0.18 0.00	37.88 -0.15 0.00	40.77 -0.16 0.00	47.51 -0.19 0.00	49.84 -0.25 0.00	51.40 -0.31 0.00	50.42 -0.36 0.00	41.74 -0.38 0.00	33.59 -0.31 0.00	28.20 -0.23 0.00
DUNKIRK__115KV_TB_200 55889	28.62 -0.98 0.00	25.79 -1.16 0.00	24.81 -0.90 0.00	24.83 -0.95 0.00	26.49 -1.42 0.00	29.71 -1.11 0.00	36.41 -1.80 0.00	36.58 -2.01 0.00	35.96 -1.97 0.00	33.05 -2.15 0.00	33.30 -2.28 0.00	32.17 -2.38 0.00	31.08 -2.67 0.00	31.79 -2.80 0.00	33.23 -2.93 0.00	34.91 -3.12 0.00	37.49 -3.44 0.00	43.83 -3.86 0.00	46.28 -3.81 0.00	47.93 -3.77 0.00	47.12 -3.66 0.00	39.60 -2.53 0.00	31.97 -1.93 0.00	27.32 -1.73 -0.62
DUNKIRK___1 23563	28.62 -0.98 0.00	25.79 -1.16 0.00	24.81 -0.90 0.00	24.83 -0.95 0.00	26.49 -1.42 0.00	29.71 -1.11 0.00	36.41 -1.80 0.00	36.58 -2.01 0.00	35.96 -1.97 0.00	33.05 -2.15 0.00	33.30 -2.28 0.00	32.17 -2.38 0.00	31.08 -2.67 0.00	31.79 -2.80 0.00	33.23 -2.93 0.00	34.91 -3.12 0.00	37.49 -3.44 0.00	43.83 -3.86 0.00	46.28 -3.81 0.00	47.93 -3.77 0.00	47.12 -3.66 0.00	39.60 -2.53 0.00	31.97 -1.93 0.00	27.32 -1.73 -0.62
DUNKIRK___2 23564	28.62 -0.98 0.00	25.79 -1.16 0.00	24.81 -0.90 0.00	24.83 -0.95 0.00	26.49 -1.42 0.00	29.71 -1.11 0.00	36.41 -1.80 0.00	36.58 -2.01 0.00	35.96 -1.97 0.00	33.05 -2.15 0.00	33.30 -2.28 0.00	32.17 -2.38 0.00	31.08 -2.67 0.00	31.79 -2.80 0.00	33.23 -2.93 0.00	34.91 -3.12 0.00	37.49 -3.44 0.00	43.83 -3.86 0.00	46.28 -3.81 0.00	47.93 -3.77 0.00	47.12 -3.66 0.00	39.60 -2.53 0.00	31.97 -1.93 0.00	27.32 -1.73 -0.62
DUNKIRK___3 23565	28.53 -1.07 0.00	25.71 -1.24 0.00	24.73 -0.98 0.00	24.72 -1.06 0.00	26.40 -1.51 0.00	29.59 -1.23 0.00	36.22 -1.99 0.00	36.39 -2.20 0.00	35.77 -2.16 0.00	32.91 -2.29 0.00	33.16 -2.42 0.00	32.07 -2.49 0.00	31.01 -2.73 0.00	31.72 -2.87 0.00	33.16 -3.00 0.00	34.83 -3.19 0.00	37.41 -3.52 0.00	43.78 -3.91 0.00	46.18 -3.91 0.00	47.88 -3.83 0.00	47.02 -3.76 0.00	39.55 -2.57 0.00	31.93 -1.97 0.00	27.28 -1.76 -0.62
DUNKIRK___4 23566	28.53 -1.07 0.00	25.71 -1.24 0.00	24.73 -0.98 0.00	24.72 -1.06 0.00	26.40 -1.51 0.00	29.59 -1.23 0.00	36.22 -1.99 0.00	36.39 -2.20 0.00	35.77 -2.16 0.00	32.91 -2.29 0.00	33.16 -2.42 0.00	32.07 -2.49 0.00	31.01 -2.73 0.00	31.72 -2.87 0.00	33.16 -3.00 0.00	34.83 -3.19 0.00	37.41 -3.52 0.00	43.78 -3.91 0.00	46.18 -3.91 0.00	47.88 -3.83 0.00	47.02 -3.76 0.00	39.55 -2.57 0.00	31.93 -1.97 0.00	27.28 -1.76 -0.62
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	31.76 2.16 0.00	29.10 2.16 0.00	27.71 2.01 0.00	27.64 1.86 0.00	29.53 1.62 0.00	32.51 1.70 0.00	40.46 2.25 0.00	41.21 2.62 0.00	40.70 2.77 0.00	37.84 2.64 0.00	38.06 2.49 0.00	37.01 2.45 0.00	36.28 2.53 0.00	37.19 2.59 0.00	38.87 2.71 0.00	40.88 2.85 0.00	43.88 2.95 0.00	50.94 3.24 0.00	53.34 3.26 0.00	54.97 3.26 0.00	54.07 3.30 0.00	44.73 2.61 0.00	36.34 2.44 0.00	34.17 2.19 -3.55
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	31.49 1.89 0.00	28.81 1.86 0.00	27.46 1.75 0.00	27.38 1.60 0.00	29.30 1.40 0.00	32.27 1.45 0.00	40.16 1.95 0.00	40.83 2.24 0.00	40.25 2.31 0.00	37.38 2.18 0.00	37.60 2.03 0.00	36.52 1.97 0.00	35.84 2.09 0.00	36.70 2.11 0.00	38.40 2.24 0.00	40.42 2.40 0.00	43.43 2.50 0.00	50.51 2.81 0.00	52.84 2.75 0.00	54.60 2.90 0.00	53.67 2.89 0.00	44.40 2.27 0.00	35.97 2.07 0.00	33.72 1.88 -3.42
E179THST_138_KV_TB4_REV_LBMP_J 345001	31.88 2.28 0.00	29.37 2.43 0.00	27.97 2.26 0.00	27.84 2.06 0.00	29.50 1.59 0.00	32.42 1.60 0.00	40.31 2.10 0.00	41.10 2.51 0.00	40.66 2.73 0.00	37.91 2.71 0.00	38.06 2.49 0.00	37.18 2.63 0.00	36.45 2.70 0.00	37.35 2.77 0.01	39.02 2.86 0.00	40.99 2.97 0.00	43.92 2.99 0.00	50.94 3.24 0.00	53.29 3.21 0.00	54.91 3.21 0.00	54.02 3.25 0.00	44.61 2.49 0.00	36.30 2.41 0.00	34.19 2.22 -3.55

E179THST_13_KV_LOAD 356214	32.00 2.40 0.00	29.48 2.53 0.00	28.07 2.37 0.00	27.95 2.17 0.00	29.58 1.67 0.00	32.51 1.70 0.00	40.46 2.25 0.00	41.25 2.66 0.00	40.85 2.92 0.00	38.05 2.85 0.00	38.24 2.67 0.00	37.35 2.80 0.00	36.58 2.83 0.00	37.53 2.94 0.01	39.20 3.04 0.00	41.18 3.16 0.00	44.16 3.23 0.00	51.18 3.48 0.00	53.54 3.46 0.00	55.22 3.52 0.00	54.28 3.50 0.00	44.82 2.70 0.00	36.47 2.58 0.00	34.34 2.36 -3.55
EAST HAMPTON___GT 23717	48.94 3.46 -15.88	47.10 3.26 -16.89	43.24 3.03 -14.50	30.30 2.94 -1.58	30.83 2.90 -0.02	48.25 3.18 -14.26	49.04 4.17 -6.66	50.04 4.63 -6.82	49.59 4.66 -6.99	50.61 4.40 -11.01	49.91 3.95 -10.38	51.28 3.80 -12.92	57.43 3.71 -19.97	65.08 3.81 -26.68	57.18 3.83 -17.19	56.89 3.95 -14.91	137.69 4.13 -92.62	195.51 4.63 -143.19	213.74 4.76 -158.89	206.29 4.86 -149.72	190.13 5.03 -134.33	136.09 4.04 -89.93	74.31 4.00 -36.42	53.36 3.89 -21.04
EAST RIVER___6 23660	31.91 2.31 0.00	29.21 2.26 0.00	27.84 2.13 0.00	27.74 1.96 0.00	29.67 1.76 0.00	32.57 1.76 0.00	40.62 2.41 0.00	41.33 2.74 0.00	40.93 3.00 0.00	38.01 2.82 0.00	38.21 2.63 0.00	37.28 2.73 0.00	36.48 2.73 0.00	37.39 2.80 0.00	39.09 2.93 0.00	41.07 3.04 0.00	44.04 3.11 0.00	51.08 3.39 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.23 3.45 0.00	44.90 2.78 0.00	36.47 2.57 0.00	34.28 2.30 -3.55
EAST RIVER___7 23524	31.91 2.31 0.00	29.21 2.26 0.00	27.84 2.13 0.00	27.74 1.96 0.00	29.67 1.76 0.00	32.57 1.76 0.00	40.62 2.41 0.00	41.33 2.74 0.00	40.93 3.00 0.00	38.01 2.82 0.00	38.21 2.63 0.00	37.28 2.73 0.00	36.48 2.73 0.00	37.39 2.80 0.00	39.09 2.93 0.00	41.07 3.04 0.00	44.04 3.11 0.00	51.08 3.39 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.23 3.45 0.00	44.90 2.78 0.00	36.47 2.57 0.00	34.28 2.30 -3.55
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	31.70 2.10 0.00	29.02 2.07 0.00	27.66 1.95 0.00	27.59 1.80 0.00	29.47 1.56 0.00	32.45 1.63 0.00	40.39 2.18 0.00	41.10 2.51 0.00	40.59 2.66 0.00	37.73 2.53 0.00	37.96 2.38 0.00	36.90 2.35 0.00	36.18 2.43 0.00	37.08 2.49 0.00	38.76 2.60 0.00	40.77 2.74 0.00	43.75 2.82 0.00	50.80 3.10 0.00	53.19 3.11 0.00	54.86 3.15 0.00	53.92 3.15 0.00	44.61 2.49 0.00	36.24 2.34 0.00	34.07 2.10 -3.54
EAST_HAMPTON___DIESEL 23722	48.89 3.40 -15.88	47.04 3.21 -16.89	43.19 2.98 -14.50	30.25 2.89 -1.58	30.77 2.85 -0.02	48.19 3.11 -14.26	48.96 4.09 -6.66	49.96 4.55 -6.82	49.55 4.63 -6.99	50.57 4.36 -11.01	49.84 3.88 -10.38	51.24 3.77 -12.92	57.37 3.65 -19.97	65.01 3.74 -26.68	57.11 3.76 -17.19	56.82 3.88 -14.91	137.61 4.05 -92.63	195.43 4.53 -143.20	213.64 4.66 -158.90	206.19 4.75 -149.73	190.03 4.92 -134.33	136.01 3.96 -89.93	74.28 3.96 -36.42	53.33 3.87 -21.04
EAST_POINT___SOLAR 323840	31.95 2.10 -0.25	28.97 2.02 0.00	27.58 1.88 0.00	27.62 1.83 0.00	29.73 1.79 -0.03	33.68 2.12 -0.74	42.22 2.60 -1.41	41.71 2.08 -1.04	39.43 1.36 -0.13	36.25 1.05 0.00	36.91 1.32 -0.02	35.85 1.28 -0.02	34.96 1.21 0.00	36.03 1.39 -0.06	37.95 1.77 -0.02	40.04 2.01 0.00	43.50 2.50 -0.08	50.94 3.24 0.00	53.95 3.86 0.00	56.10 4.39 0.00	55.19 4.42 0.00	45.53 3.41 0.00	36.61 2.71 0.00	35.82 2.33 -5.06
EAST_PULASKI___ESR 323781	29.21 -0.39 0.00	26.54 -0.40 0.00	25.30 -0.41 0.00	25.34 -0.44 0.00	27.41 -0.50 0.00	30.32 -0.49 0.00	37.56 -0.65 0.00	37.78 -0.81 0.00	37.10 -0.83 0.00	34.35 -0.85 0.00	34.79 -0.78 0.00	33.65 -0.90 0.00	32.80 -0.94 0.00	33.59 -1.00 0.00	35.15 -1.01 0.00	37.08 -0.95 0.00	39.86 -1.06 0.00	46.69 -1.00 0.00	49.03 -1.05 0.00	50.72 -0.98 0.00	49.86 -0.91 0.00	41.45 -0.68 0.00	33.35 -0.54 0.00	28.30 -0.37 -0.25
EAST_RIVER___1 323558	31.91 2.31 0.00	29.24 2.29 0.00	27.87 2.16 0.00	27.74 1.96 0.00	29.70 1.79 0.00	32.61 1.79 0.00	40.62 2.41 0.00	41.37 2.78 0.00	40.93 3.00 0.00	38.05 2.85 0.00	38.24 2.67 0.00	37.32 2.77 0.00	36.51 2.77 0.00	37.43 2.84 0.00	39.13 2.97 0.00	41.11 3.08 0.00	44.08 3.15 0.00	51.13 3.44 0.00	53.50 3.41 0.00	55.12 3.41 0.00	54.23 3.45 0.00	44.90 2.78 0.00	36.47 2.57 0.00	34.31 2.33 -3.55
EAST_RIVER___2 323559	31.91 2.31 0.00	29.21 2.26 0.00	27.84 2.13 0.00	27.74 1.96 0.00	29.67 1.76 0.00	32.57 1.76 0.00	40.62 2.41 0.00	41.33 2.74 0.00	40.93 3.00 0.00	38.01 2.82 0.00	38.21 2.63 0.00	37.28 2.73 0.00	36.48 2.73 0.00	37.39 2.80 0.00	39.09 2.93 0.00	41.07 3.04 0.00	44.04 3.11 0.00	51.08 3.39 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.23 3.45 0.00	44.90 2.78 0.00	36.47 2.57 0.00	34.28 2.30 -3.55
EAST___DELAWARE_HYD 23607	31.58 1.98 0.00	28.89 1.94 0.00	27.51 1.80 0.00	27.46 1.67 0.00	29.44 1.53 0.00	32.42 1.60 0.00	40.35 2.14 0.00	40.98 2.39 0.00	40.36 2.43 0.00	37.42 2.22 0.00	37.64 2.06 0.00	36.59 2.04 0.00	35.84 2.09 0.00	36.67 2.08 0.00	38.40 2.24 0.00	40.46 2.44 0.00	43.51 2.58 0.00	50.70 3.01 0.00	53.14 3.06 0.00	54.92 3.21 0.00	53.97 3.20 0.00	44.69 2.57 0.00	36.13 2.24 0.00	33.60 1.96 -3.21
EIGHT_POINT___WT_PWR 323820	28.98 -0.62 0.00	26.25 -0.70 0.00	25.17 -0.54 0.00	25.16 -0.62 0.00	26.93 -0.98 0.00	30.11 -0.71 0.00	37.18 -1.03 0.00	37.35 -1.24 0.00	36.53 -1.40 0.00	33.51 -1.69 0.00	33.76 -1.81 0.00	32.41 -2.14 0.00	31.35 -2.40 0.00	32.07 -2.52 0.00	33.52 -2.64 0.00	35.25 -2.77 0.00	37.98 -2.95 0.00	44.60 -3.10 0.00	46.83 -3.25 0.00	48.45 -3.26 0.00	47.47 -3.30 0.00	39.68 -2.44 0.00	31.86 -2.03 0.00	27.36 -1.82 -0.75
ELBRIDGE_115KV_TB2 80188	29.24 -0.36 0.00	26.60 -0.35 0.00	25.40 -0.31 0.00	25.42 -0.36 0.00	27.38 -0.53 0.00	30.33 -0.49 0.00	37.64 -0.57 0.00	37.85 -0.73 0.00	37.14 -0.80 0.00	34.46 -0.74 0.00	34.86 -0.71 0.00	33.83 -0.73 0.00	33.00 -0.74 0.00	33.83 -0.76 0.00	35.40 -0.76 0.00	37.27 -0.76 0.00	40.07 -0.86 0.00	46.79 -0.91 0.00	49.09 -1.00 0.00	50.73 -0.98 0.00	49.76 -1.02 0.00	41.41 -0.72 0.00	33.32 -0.58 0.00	28.48 -0.28 -0.34
ELEC_TRO_TEK 24086	48.15 2.66 -15.88	46.43 2.59 -16.89	42.68 2.47 -14.50	29.66 2.29 -1.58	30.02 2.09 -0.02	47.30 2.22 -14.26	47.78 2.90 -6.66	48.72 3.24 -6.89	53.60 3.30 -12.37	57.74 3.06 -19.48	56.49 2.63 -18.28	59.65 2.56 -22.54	63.27 2.60 -26.92	63.39 2.66 -26.14	61.37 2.82 -22.38	63.15 2.93 -22.19	53.30 3.07 -9.30	51.10 3.39 -0.02	53.61 3.51 -0.02	55.29 3.57 -0.02	54.39 3.60 -0.02	49.58 2.78 -4.68	49.89 2.81 -13.18	49.50 2.56 -18.51
ELLENBURG_WT_PWR 323604	29.72 0.12 0.00	26.87 -0.08 0.00	25.50 -0.21 0.00	25.57 -0.21 0.00	27.83 -0.08 0.00	30.63 -0.18 0.00	37.98 -0.23 0.00	38.51 -0.08 0.00	38.16 0.23 0.00	35.55 0.35 0.00	35.97 0.39 0.00	34.93 0.38 0.00	34.18 0.44 0.00	34.97 0.38 0.00	36.49 0.32 0.00	38.37 0.34 0.00	41.30 0.37 0.00	48.08 0.38 0.00	50.49 0.40 0.00	51.92 0.21 0.00	50.67 -0.10 0.00	41.83 -0.29 0.00	33.35 -0.54 0.00	27.69 -0.74 0.00

ELM_ST_23_KV_LD_REV_LBMP_A 345012	28.21 -1.39 0.00	25.41 -1.54 0.00	24.42 -1.29 0.00	24.42 -1.37 0.00	26.04 -1.87 0.00	29.19 -1.63 0.00	35.65 -2.56 0.00	35.77 -2.82 0.00	35.20 -2.73 0.00	32.42 -2.78 0.00	32.69 -2.88 0.00	31.62 -2.94 0.00	30.57 -3.17 0.00	31.31 -3.29 0.00	32.73 -3.44 0.00	34.38 -3.65 0.00	36.88 -4.05 0.00	43.16 -4.53 0.00	45.53 -4.56 0.00	47.26 -4.45 0.00	46.46 -4.32 0.00	39.17 -2.95 0.00	31.63 -2.27 0.00	27.20 -1.82 -0.59
EMPIRE_CC_1 323656	27.65 0.92 2.86	27.89 0.94 0.00	26.58 0.87 0.00	26.56 0.82 0.05	28.08 0.56 0.39	23.07 0.68 8.43	22.90 0.88 16.19	27.65 0.97 11.90	36.87 0.57 1.63	35.62 0.42 0.00	35.92 0.53 0.19	34.92 0.62 0.25	34.29 0.54 0.00	34.61 0.69 0.68	36.58 0.69 0.26	38.63 0.61 0.00	40.69 0.70 0.94	48.56 0.86 0.00	51.04 0.95 0.00	52.74 1.03 0.00	51.79 1.02 0.00	42.88 0.76 0.00	34.85 0.95 0.00	33.73 0.94 -4.36
EMPIRE_CC_2 323658	27.65 0.92 2.86	27.89 0.94 0.00	26.58 0.87 0.00	26.56 0.82 0.05	28.08 0.56 0.39	23.07 0.68 8.43	22.90 0.88 16.19	27.65 0.97 11.90	36.87 0.57 1.63	35.62 0.42 0.00	35.92 0.53 0.19	34.92 0.62 0.25	34.29 0.54 0.00	34.61 0.69 0.68	36.58 0.69 0.26	38.63 0.61 0.00	40.69 0.70 0.94	48.56 0.86 0.00	51.04 0.95 0.00	52.74 1.03 0.00	51.79 1.02 0.00	42.88 0.76 0.00	34.85 0.95 0.00	33.73 0.94 -4.36
ENORWICH_115KV_TB1 80156	32.18 2.58 0.00	29.37 2.43 0.00	28.00 2.29 0.00	28.10 2.32 0.00	30.48 2.57 0.00	34.09 3.27 0.00	42.22 4.01 0.00	42.48 3.90 0.00	41.99 4.06 0.00	38.43 3.24 0.00	38.78 3.20 0.00	37.52 2.97 0.00	36.14 2.40 0.00	36.81 2.21 0.00	38.69 2.53 0.00	41.03 3.00 0.00	44.16 3.23 0.00	52.08 4.39 0.00	54.30 4.21 0.00	56.16 4.45 0.00	55.39 4.62 0.00	45.66 3.54 0.00	36.61 2.71 0.00	31.86 2.05 -1.39
ERIE_ST__34_KV_TB1-2 80199	28.50 -1.10 0.00	25.68 -1.27 0.00	24.68 -1.03 0.00	24.67 -1.11 0.00	26.32 -1.59 0.00	29.49 -1.33 0.00	36.11 -2.10 0.00	36.31 -2.28 0.00	35.73 -2.20 0.00	32.87 -2.32 0.00	33.16 -2.42 0.00	32.10 -2.45 0.00	31.01 -2.73 0.00	31.76 -2.84 0.00	33.20 -2.97 0.00	34.91 -3.12 0.00	37.53 -3.40 0.00	43.88 -3.82 0.00	46.33 -3.76 0.00	48.04 -3.67 0.00	47.12 -3.66 0.00	39.68 -2.44 0.00	32.03 -1.86 0.00	26.99 -2.05 -0.61
ERIE_WT_PWR 323693	28.39 -1.21 0.00	25.54 -1.40 0.00	24.58 -1.13 0.00	24.57 -1.21 0.00	26.18 -1.73 0.00	29.34 -1.48 0.00	35.88 -2.33 0.00	36.00 -2.58 0.00	35.47 -2.47 0.00	32.63 -2.57 0.00	32.87 -2.71 0.00	31.62 -2.94 0.00	30.64 -3.10 0.00	31.48 -3.11 0.00	32.91 -3.25 0.00	34.57 -3.46 0.00	37.12 -3.81 0.00	43.40 -4.29 0.00	45.83 -4.26 0.00	47.57 -4.14 0.00	46.71 -4.06 0.00	39.22 -2.91 0.00	31.80 -2.10 0.00	27.24 -1.79 -0.60
ESPRGFLD_115KV_TB1 80157	31.28 1.51 -0.17	28.37 1.43 0.00	27.07 1.36 0.00	27.10 1.31 0.00	29.19 1.26 -0.02	32.83 1.51 -0.50	41.11 1.95 -0.96	41.14 1.85 -0.70	39.73 1.71 -0.09	36.60 1.41 0.00	37.04 1.46 -0.01	35.95 1.38 -0.01	35.00 1.25 0.00	35.91 1.28 -0.04	37.69 1.52 -0.01	39.74 1.71 0.00	42.90 1.92 -0.05	50.18 2.48 0.00	52.79 2.70 0.00	54.66 2.95 0.00	53.72 2.94 0.00	44.44 2.32 0.00	35.76 1.86 0.00	29.82 1.56 0.17
ETNA_115_KV_TB1_REV_LBMP_C 345029	30.04 0.44 0.00	27.32 0.38 0.00	26.09 0.39 0.00	26.09 0.31 0.00	28.08 0.17 0.00	31.13 0.31 0.00	38.67 0.46 0.00	38.97 0.39 0.00	38.16 0.23 0.00	35.30 0.11 0.00	35.65 0.07 0.00	34.52 -0.03 0.00	33.65 -0.10 0.00	34.49 -0.10 0.00	36.12 -0.04 0.00	38.07 0.04 0.00	41.01 0.08 0.00	48.03 0.33 0.00	50.49 0.40 0.00	52.28 0.57 0.00	51.33 0.56 0.00	42.67 0.55 0.00	34.27 0.37 0.00	29.56 0.37 -0.77
ETNA____115KV_TB2 80207	30.04 0.44 0.00	27.32 0.38 0.00	26.09 0.39 0.00	26.09 0.31 0.00	28.08 0.17 0.00	31.13 0.31 0.00	38.67 0.46 0.00	38.97 0.39 0.00	38.16 0.23 0.00	35.30 0.11 0.00	35.65 0.07 0.00	34.52 -0.03 0.00	33.65 -0.10 0.00	34.49 -0.10 0.00	36.12 -0.04 0.00	38.07 0.04 0.00	41.01 0.08 0.00	48.03 0.33 0.00	50.49 0.40 0.00	52.28 0.57 0.00	51.33 0.56 0.00	42.67 0.55 0.00	34.27 0.37 0.00	29.56 0.37 -0.77
EUCLID___115KV_TB2 356179	29.24 -0.36 0.00	26.60 -0.35 0.00	25.40 -0.31 0.00	25.42 -0.36 0.00	27.41 -0.50 0.00	30.33 -0.49 0.00	37.60 -0.61 0.00	37.82 -0.77 0.00	37.17 -0.76 0.00	34.46 -0.74 0.00	34.86 -0.71 0.00	33.83 -0.73 0.00	33.00 -0.74 0.00	33.83 -0.76 0.00	35.44 -0.72 0.00	37.27 -0.76 0.00	40.07 -0.86 0.00	46.79 -0.91 0.00	49.09 -1.00 0.00	50.67 -1.03 0.00	49.76 -1.02 0.00	41.36 -0.76 0.00	33.36 -0.54 0.00	28.44 -0.28 -0.30
E_CANADA_CAP_HY 24051	31.64 1.81 -0.23	28.67 1.73 0.00	27.33 1.62 0.00	27.33 1.55 0.00	29.45 1.51 -0.03	33.28 1.79 -0.68	41.80 2.29 -1.30	41.62 2.08 -0.95	39.69 1.63 -0.12	36.46 1.27 0.00	36.97 1.39 -0.01	35.92 1.35 -0.02	35.00 1.25 0.00	35.99 1.35 -0.05	37.81 1.63 -0.02	39.89 1.86 0.00	43.21 2.21 -0.07	50.61 2.91 0.00	53.44 3.36 0.00	55.43 3.73 0.00	54.48 3.70 0.00	44.99 2.87 0.00	36.17 2.27 0.00	35.66 1.96 -5.28
E_CANADA_MHWK_HY 24050	29.72 0.12 0.00	27.08 0.14 0.00	25.84 0.13 0.00	25.86 0.08 0.00	27.91 0.00 0.00	30.79 -0.03 0.00	38.13 -0.08 0.00	38.43 -0.15 0.00	37.74 -0.19 0.00	35.02 -0.18 0.00	35.43 -0.14 0.00	34.42 -0.14 0.00	33.55 -0.20 0.00	34.39 -0.21 0.00	35.98 -0.18 0.00	37.88 -0.15 0.00	40.77 -0.16 0.00	47.51 -0.19 0.00	49.84 -0.25 0.00	51.40 -0.31 0.00	50.42 -0.35 0.00	41.74 -0.38 0.00	33.59 -0.31 0.00	28.20 -0.23 0.00
E_FISHKILL___LBMP 23776	31.46 1.86 0.00	28.81 1.86 0.00	27.46 1.75 0.00	27.38 1.60 0.00	29.28 1.37 0.00	32.24 1.42 0.00	40.08 1.87 0.00	40.75 2.16 0.00	40.21 2.28 0.00	37.34 2.15 0.00	37.60 2.03 0.00	36.56 2.00 0.00	35.81 2.06 0.00	36.70 2.11 0.00	38.40 2.24 0.00	40.39 2.36 0.00	43.34 2.41 0.00	50.37 2.67 0.00	52.64 2.55 0.00	54.40 2.69 0.00	53.52 2.74 0.00	44.27 2.15 0.00	35.93 2.03 0.00	33.89 1.85 -3.62
FALCON___SEABRD_CC1 323796	30.28 0.68 0.00	27.30 0.35 0.00	25.86 0.16 0.00	25.91 0.13 0.00	28.13 0.22 0.00	30.94 0.12 0.00	38.36 0.15 0.00	39.01 0.43 0.00	38.77 0.83 0.00	36.11 0.91 0.00	36.54 0.96 0.00	35.49 0.93 0.00	34.76 1.01 0.00	35.56 0.97 0.00	37.10 0.94 0.00	38.94 0.91 0.00	41.91 0.98 0.00	48.79 1.10 0.00	51.24 1.15 0.00	52.64 0.93 0.00	51.28 0.51 0.00	42.25 0.13 0.00	33.70 -0.20 0.00	27.97 -0.46 0.00
FALCON___SEABRD_CC2 323797	30.28 0.68 0.00	27.30 0.35 0.00	25.86 0.16 0.00	25.91 0.13 0.00	28.13 0.22 0.00	30.94 0.12 0.00	38.36 0.15 0.00	39.01 0.43 0.00	38.77 0.83 0.00	36.11 0.91 0.00	36.54 0.96 0.00	35.49 0.93 0.00	34.76 1.01 0.00	35.56 0.97 0.00	37.10 0.94 0.00	38.94 0.91 0.00	41.91 0.98 0.00	48.79 1.10 0.00	51.24 1.15 0.00	52.64 0.93 0.00	51.28 0.51 0.00	42.25 0.13 0.00	33.70 -0.20 0.00	27.97 -0.46 0.00

FAR ROCKAWAY___4 23548	48.56 3.08 -15.88	46.78 2.94 -16.89	42.98 2.78 -14.50	29.97 2.60 -1.58	30.35 2.43 -0.02	47.67 2.59 -14.26	48.23 3.36 -6.66	49.17 3.70 -6.88	53.06 3.79 -11.33	56.56 3.52 -17.84	55.45 3.13 -16.75	58.28 3.08 -20.65	61.51 3.10 -24.66	61.68 3.15 -23.94	59.99 3.33 -20.50	61.82 3.46 -20.33	53.09 3.64 -8.52	51.81 4.10 -0.01	54.36 4.26 -0.01	56.01 4.29 -0.01	55.15 4.37 -0.01	49.78 3.37 -4.28	49.26 3.29 -12.07	48.64 2.96 -17.26
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	31.91 2.31 0.00	29.24 2.29 0.00	27.84 2.13 0.00	27.74 1.96 0.00	29.58 1.67 0.00	32.58 1.76 0.00	40.62 2.41 0.00	41.37 2.78 0.00	40.93 3.00 0.00	38.08 2.89 0.00	38.24 2.67 0.00	37.25 2.70 0.00	36.51 2.77 0.00	37.43 2.84 0.00	39.13 2.97 0.00	41.11 3.08 0.00	44.08 3.15 0.00	51.13 3.43 0.00	53.49 3.41 0.00	55.17 3.46 0.00	54.23 3.45 0.00	44.86 2.74 0.00	36.47 2.58 0.00	34.28 2.30 -3.55
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	31.91 2.31 0.00	29.24 2.29 0.00	27.84 2.13 0.00	27.74 1.96 0.00	29.58 1.67 0.00	32.58 1.76 0.00	40.62 2.41 0.00	41.37 2.78 0.00	40.93 3.00 0.00	38.08 2.89 0.00	38.24 2.67 0.00	37.25 2.70 0.00	36.51 2.77 0.00	37.43 2.84 0.00	39.13 2.97 0.00	41.11 3.08 0.00	44.04 3.11 0.00	51.13 3.43 0.00	53.49 3.41 0.00	55.17 3.46 0.00	54.23 3.45 0.00	44.86 2.74 0.00	36.47 2.58 0.00	34.31 2.33 -3.55
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	31.91 2.31 0.00	29.21 2.26 0.00	27.84 2.13 0.00	27.74 1.96 0.00	29.58 1.67 0.00	32.58 1.76 0.00	40.58 2.37 0.00	41.37 2.78 0.00	40.93 3.00 0.00	38.05 2.85 0.00	38.24 2.67 0.00	37.21 2.66 0.00	36.51 2.77 0.00	37.40 2.80 0.00	39.09 2.93 0.00	41.07 3.04 0.00	44.04 3.11 0.00	51.08 3.39 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.18 3.40 0.00	44.82 2.70 0.00	36.44 2.54 0.00	34.28 2.30 -3.55
FARRAGUT___LBMP 323566	31.88 2.28 0.00	29.21 2.26 0.00	27.82 2.11 0.00	27.72 1.93 0.00	29.56 1.65 0.00	32.54 1.73 0.00	40.58 2.37 0.00	41.33 2.74 0.00	40.89 2.96 0.00	38.01 2.82 0.00	38.21 2.63 0.00	37.18 2.63 0.00	36.48 2.73 0.00	37.36 2.77 0.00	39.05 2.89 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.39 3.31 0.00	55.07 3.36 0.00	54.18 3.40 0.00	44.82 2.70 0.00	36.41 2.51 0.00	34.25 2.27 -3.55
FENNER___WINDPWR 24204	30.07 0.47 0.00	27.38 0.43 0.00	26.10 0.39 0.00	26.14 0.36 0.00	28.22 0.31 0.00	31.28 0.46 0.00	38.78 0.57 0.00	39.09 0.50 0.00	38.46 0.53 0.00	35.58 0.39 0.00	35.97 0.39 0.00	34.83 0.28 0.00	33.95 0.20 0.00	34.77 0.17 0.00	36.45 0.29 0.00	38.41 0.38 0.00	41.34 0.41 0.00	48.41 0.72 0.00	50.74 0.65 0.00	52.49 0.78 0.00	51.54 0.76 0.00	42.76 0.63 0.00	34.37 0.47 0.00	29.29 0.43 -0.43
FIBERTEK___ENERGY 23856	29.45 -0.15 0.00	26.78 -0.16 0.00	25.55 -0.15 0.00	25.58 -0.21 0.00	27.57 -0.33 0.00	30.54 -0.28 0.00	37.90 -0.31 0.00	38.12 -0.46 0.00	37.44 -0.49 0.00	34.74 -0.46 0.00	35.18 -0.39 0.00	34.10 -0.45 0.00	33.27 -0.47 0.00	34.14 -0.45 0.00	35.73 -0.43 0.00	37.61 -0.42 0.00	40.44 -0.49 0.00	47.22 -0.48 0.00	49.54 -0.55 0.00	51.14 -0.57 0.00	50.22 -0.56 0.00	41.74 -0.38 0.00	33.59 -0.31 0.00	28.65 -0.11 -0.33
FITZPATRICK___ 23598	28.86 -0.74 0.00	26.25 -0.70 0.00	25.04 -0.67 0.00	25.09 -0.69 0.00	27.07 -0.84 0.00	29.92 -0.89 0.00	37.10 -1.11 0.00	37.28 -1.31 0.00	36.64 -1.29 0.00	34.00 -1.20 0.00	34.36 -1.21 0.00	33.31 -1.24 0.00	32.53 -1.21 0.00	33.35 -1.24 0.00	34.89 -1.27 0.00	36.74 -1.29 0.00	39.50 -1.43 0.00	46.07 -1.62 0.00	48.38 -1.70 0.00	49.95 -1.76 0.00	49.00 -1.78 0.00	40.73 -1.39 0.00	32.85 -1.05 0.00	27.95 -0.68 -0.20
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	31.64 2.04 0.00	28.97 2.02 0.00	27.59 1.88 0.00	27.53 1.75 0.00	29.44 1.53 0.00	32.42 1.60 0.00	40.35 2.14 0.00	41.02 2.43 0.00	40.44 2.50 0.00	37.52 2.32 0.00	37.78 2.21 0.00	36.66 2.11 0.00	36.01 2.26 0.00	36.88 2.28 0.00	38.62 2.46 0.00	40.65 2.62 0.00	43.63 2.70 0.00	50.80 3.10 0.00	53.14 3.06 0.00	54.91 3.21 0.00	54.02 3.25 0.00	44.65 2.53 0.00	36.17 2.27 0.00	34.02 2.05 -3.55
FORT ORANGE___ 23900	28.26 0.80 2.14	27.78 0.84 0.00	26.48 0.77 0.00	26.47 0.72 0.04	28.15 0.53 0.29	25.11 0.58 6.29	26.90 0.76 12.08	30.56 0.85 8.88	37.13 0.49 1.29	35.55 0.35 0.00	35.82 0.39 0.15	34.80 0.45 0.20	34.18 0.44 0.00	34.61 0.55 0.54	36.57 0.61 0.21	38.60 0.57 0.00	40.88 0.70 0.74	48.51 0.81 0.00	50.99 0.90 0.00	52.69 0.98 0.00	51.79 1.02 0.00	42.84 0.72 0.00	34.78 0.88 0.00	33.76 0.85 -4.48
FORT_DRUM_COGEN 23780	29.27 -0.33 0.00	26.49 -0.46 0.00	25.20 -0.51 0.00	25.32 -0.46 0.00	27.52 -0.39 0.00	30.63 -0.18 0.00	37.94 -0.27 0.00	38.16 -0.42 0.00	37.55 -0.38 0.00	34.46 -0.74 0.00	34.83 -0.75 0.00	33.65 -0.90 0.00	32.63 -1.11 0.00	33.31 -1.28 0.00	35.00 -1.16 0.00	37.12 -0.91 0.00	39.99 -0.94 0.00	47.03 -0.67 0.00	49.39 -0.70 0.00	51.29 -0.41 0.00	50.52 -0.25 0.00	41.87 -0.25 0.00	33.46 -0.44 0.00	28.09 -0.51 -0.18
FOX_HILLS___ESR 323835	31.93 2.31 -0.02	29.37 2.40 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.80 1.87 -0.02	32.75 1.91 -0.02	40.53 2.29 -0.03	41.21 2.62 0.00	40.74 2.81 0.00	37.98 2.78 0.00	38.19 2.56 -0.06	47.95 2.70 -10.70	52.92 2.77 -16.41	99.14 2.84 -61.71	56.75 2.97 -17.63	55.75 3.08 -14.64	56.23 3.15 -12.15	51.71 3.39 -0.63	53.50 3.36 -0.06	55.91 3.41 -0.79	82.18 3.40 -28.00	53.69 2.61 -8.96	54.05 2.47 -17.68	53.11 2.22 -22.47
FPL_FAR_ROCK_GT1 24212	48.56 3.08 -15.88	46.78 2.94 -16.89	42.98 2.78 -14.50	29.97 2.60 -1.58	30.44 2.51 -0.02	47.67 2.59 -14.26	48.24 3.36 -6.66	49.17 3.70 -6.88	53.06 3.79 -11.33	56.56 3.52 -17.84	55.45 3.13 -16.75	58.35 3.14 -20.65	61.48 3.07 -24.66	61.68 3.15 -23.94	59.99 3.32 -20.50	61.82 3.46 -20.33	53.09 3.64 -8.52	51.81 4.10 -0.01	54.36 4.26 -0.01	56.01 4.29 -0.01	55.16 4.37 -0.01	49.82 3.41 -4.28	49.29 3.32 -12.07	48.64 2.96 -17.26
FPL_FAR_ROCK_GT2 23815	48.56 3.08 -15.88	46.78 2.94 -16.89	42.98 2.78 -14.50	29.97 2.60 -1.58	30.44 2.51 -0.02	47.67 2.59 -14.26	48.24 3.36 -6.66	49.17 3.70 -6.88	53.06 3.79 -11.33	56.56 3.52 -17.84	55.45 3.13 -16.75	58.35 3.14 -20.65	61.48 3.07 -24.66	61.68 3.15 -23.94	59.99 3.32 -20.50	61.82 3.46 -20.33	53.09 3.64 -8.52	51.81 4.10 -0.01	54.36 4.26 -0.01	56.01 4.29 -0.01	55.16 4.37 -0.01	49.82 3.41 -4.28	49.29 3.32 -12.07	48.64 2.96 -17.26
FRANKLIN_FALL_HYD 24054	29.57 -0.03 0.00	26.73 -0.22 0.00	25.37 -0.33 0.00	25.47 -0.31 0.00	27.80 -0.11 0.00	30.70 -0.12 0.00	38.06 -0.15 0.00	38.66 0.08 0.00	38.31 0.38 0.00	35.62 0.42 0.00	36.00 0.43 0.00	34.97 0.41 0.00	34.22 0.47 0.00	35.01 0.42 0.00	36.52 0.36 0.00	38.41 0.38 0.00	41.38 0.45 0.00	48.17 0.48 0.00	50.64 0.55 0.00	52.12 0.41 0.00	50.82 0.05 0.00	42.00 -0.13 0.00	33.42 -0.47 0.00	27.66 -0.77 0.00



FREEPORT_EQUS_GT1 23764	48.32 2.84 -15.88	46.59 2.75 -16.89	42.80 2.60 -14.50	29.81 2.45 -1.58	30.27 2.34 -0.02	47.45 2.37 -14.26	47.97 3.09 -6.66	48.87 3.43 -6.85	50.87 3.53 -9.40	53.21 3.20 -14.81	52.25 2.78 -13.90	54.46 2.77 -17.14	56.95 2.73 -20.47	57.26 2.80 -19.87	56.11 2.93 -17.02	57.98 3.08 -16.87	51.23 3.23 -7.07	51.33 3.62 -0.01	53.86 3.76 -0.01	55.55 3.83 -0.01	54.64 3.86 -0.01	48.71 3.03 -3.56	46.97 3.05 -10.02	46.14 2.79 -14.93
FREEPORT___CT2 23818	48.32 2.84 -15.88	46.59 2.75 -16.89	42.80 2.60 -14.50	29.81 2.45 -1.58	30.27 2.34 -0.02	47.45 2.37 -14.26	47.97 3.09 -6.66	48.87 3.43 -6.85	50.87 3.53 -9.40	53.21 3.20 -14.81	52.25 2.78 -13.90	54.46 2.77 -17.14	56.95 2.73 -20.47	57.26 2.80 -19.87	56.11 2.93 -17.02	57.98 3.08 -16.87	51.23 3.23 -7.07	51.33 3.62 -0.01	53.86 3.76 -0.01	55.55 3.83 -0.01	54.64 3.86 -0.01	48.71 3.03 -3.56	46.97 3.05 -10.02	46.14 2.79 -14.93
FRESHKLS_33_KV_LOAD 356253	31.90 2.28 -0.02	29.37 2.40 -0.02	28.07 2.34 -0.02	27.97 2.17 -0.02	29.86 1.93 -0.02	32.84 2.00 -0.02	40.53 2.29 -0.03	41.13 2.55 0.00	40.63 2.69 0.00	37.87 2.67 0.00	38.08 2.45 -0.05	44.10 2.59 -6.95	47.07 2.67 -10.66	77.23 2.73 -39.91	50.45 2.86 -11.43	50.49 2.97 -9.50	51.84 3.03 -7.88	51.39 3.29 -0.40	53.38 3.26 -0.03	55.53 3.31 -0.51	72.24 3.30 -18.17	50.48 2.53 -5.83	47.79 2.41 -11.49	46.40 2.13 -15.84
FULTON COGEN____ 23766	29.01 -0.59 0.00	26.41 -0.54 0.00	25.20 -0.51 0.00	25.21 -0.57 0.00	27.18 -0.73 0.00	30.11 -0.71 0.00	37.33 -0.88 0.00	37.55 -1.04 0.00	36.87 -1.06 0.00	34.21 -0.99 0.00	34.61 -0.96 0.00	33.59 -0.97 0.00	32.77 -0.98 0.00	33.62 -0.97 0.00	35.18 -0.98 0.00	37.00 -1.03 0.00	39.78 -1.15 0.00	46.46 -1.24 0.00	48.79 -1.30 0.00	50.36 -1.34 0.00	49.45 -1.32 0.00	41.11 -1.01 0.00	33.08 -0.81 0.00	28.21 -0.48 -0.27
FULTON___LPGE 323630	31.72 1.87 -0.26	28.75 1.81 0.00	27.38 1.67 0.00	27.41 1.63 0.00	29.51 1.56 -0.03	33.42 1.85 -0.75	42.02 2.37 -1.44	41.88 2.24 -1.06	39.78 1.71 -0.14	36.53 1.34 0.00	37.08 1.49 -0.02	36.03 1.45 -0.02	35.10 1.35 0.00	36.14 1.49 -0.06	37.95 1.77 -0.02	40.00 1.98 0.00	43.38 2.37 -0.08	50.75 3.06 0.00	53.59 3.50 0.00	55.53 3.83 0.00	54.58 3.81 0.00	45.07 2.95 0.00	36.27 2.37 0.00	35.50 2.07 -5.01
G.F.CEMENT___DRP 24184	32.94 1.60 -1.74	28.54 1.59 0.00	27.15 1.44 0.00	27.18 1.37 -0.03	29.43 1.28 -0.24	37.43 1.48 -5.13	50.05 1.99 -9.86	47.84 2.01 -7.25	40.42 1.52 -0.97	36.36 1.16 0.00	37.04 1.35 -0.11	36.05 1.35 -0.15	34.96 1.21 0.00	36.38 1.38 -0.40	37.91 1.59 -0.16	39.82 1.79 0.00	43.70 2.21 -0.56	50.41 2.72 0.00	53.19 3.11 0.00	55.07 3.36 0.00	54.12 3.35 0.00	44.65 2.53 0.00	35.97 2.07 0.00	34.87 1.82 -4.62
GARDENVILLE___LBMP 24039	28.30 -1.30 0.00	25.49 -1.46 0.00	24.50 -1.21 0.00	24.49 -1.29 0.00	26.12 -1.79 0.00	29.28 -1.54 0.00	35.76 -2.45 0.00	35.92 -2.66 0.00	35.35 -2.58 0.00	32.52 -2.67 0.00	32.80 -2.77 0.00	31.72 -2.83 0.00	30.68 -3.07 0.00	31.41 -3.18 0.00	32.83 -3.33 0.00	34.49 -3.54 0.00	37.04 -3.89 0.00	43.31 -4.39 0.00	45.73 -4.36 0.00	47.42 -4.29 0.00	46.61 -4.16 0.00	39.26 -2.86 0.00	31.73 -2.17 0.00	27.18 -1.85 -0.60
GARDNVLA_35_KV_LD 355827	28.42 -1.18 0.00	25.57 -1.37 0.00	24.60 -1.11 0.00	24.60 -1.19 0.00	26.21 -1.70 0.00	29.37 -1.45 0.00	35.88 -2.33 0.00	36.04 -2.55 0.00	35.51 -2.43 0.00	32.66 -2.53 0.00	32.94 -2.63 0.00	31.86 -2.70 0.00	30.81 -2.94 0.00	31.51 -3.08 0.00	32.94 -3.22 0.00	34.64 -3.38 0.00	37.16 -3.77 0.00	43.50 -4.20 0.00	45.88 -4.21 0.00	47.62 -4.08 0.00	46.76 -4.01 0.00	39.43 -2.70 0.00	31.83 -2.07 0.00	27.27 -1.76 -0.61
GELCKHM___115KV_LOAD 80723	29.30 -0.30 0.00	26.68 -0.27 0.00	25.45 -0.26 0.00	25.47 -0.31 0.00	27.46 -0.45 0.00	30.39 -0.43 0.00	37.71 -0.50 0.00	37.93 -0.66 0.00	37.25 -0.68 0.00	34.56 -0.63 0.00	34.97 -0.60 0.00	33.93 -0.62 0.00	33.11 -0.64 0.00	33.94 -0.66 0.00	35.55 -0.61 0.00	37.38 -0.65 0.00	40.19 -0.74 0.00	46.93 -0.76 0.00	49.24 -0.85 0.00	50.88 -0.83 0.00	49.91 -0.86 0.00	41.49 -0.63 0.00	33.42 -0.47 0.00	28.51 -0.23 -0.31
GENERAL___MILLS 23808	28.36 -1.24 0.00	25.54 -1.40 0.00	24.55 -1.16 0.00	24.54 -1.24 0.00	26.18 -1.73 0.00	29.31 -1.51 0.00	35.84 -2.37 0.00	35.96 -2.62 0.00	35.43 -2.50 0.00	32.59 -2.60 0.00	32.87 -2.70 0.00	31.79 -2.76 0.00	30.74 -3.00 0.00	31.48 -3.11 0.00	32.87 -3.29 0.00	34.57 -3.46 0.00	37.12 -3.81 0.00	43.40 -4.29 0.00	45.83 -4.26 0.00	47.52 -4.19 0.00	46.66 -4.11 0.00	39.34 -2.78 0.00	31.80 -2.10 0.00	27.21 -1.82 -0.60
GE_PLASTICS___DRP 24183	28.89 0.77 1.48	27.73 0.78 0.00	26.45 0.75 0.00	26.45 0.70 0.03	28.27 0.56 0.20	26.97 0.52 4.37	30.51 0.69 8.39	33.19 0.77 6.17	37.71 0.61 0.83	35.69 0.49 0.00	36.01 0.53 0.10	34.98 0.55 0.13	34.25 0.51 0.00	34.91 0.66 0.34	36.71 0.69 0.13	38.71 0.68 0.00	41.19 0.74 0.48	48.51 0.81 0.00	50.99 0.90 0.00	52.64 0.93 0.00	51.74 0.96 0.00	42.84 0.72 0.00	34.71 0.81 0.00	33.67 0.80 -4.45
GILBOA___1 23756	30.49 0.89 0.00	27.83 0.89 0.00	26.66 0.95 0.00	26.66 0.88 0.00	28.63 0.72 0.00	31.47 0.65 0.00	39.05 0.84 0.00	39.51 0.92 0.00	38.81 0.87 0.00	35.97 0.77 0.00	36.36 0.78 0.00	35.35 0.80 0.00	34.52 0.78 0.00	35.42 0.83 0.00	37.07 0.90 0.00	38.94 0.91 0.00	41.91 0.98 0.00	48.79 1.10 0.00	51.19 1.10 0.00	52.90 1.19 0.00	51.99 1.22 0.00	43.05 0.93 0.00	34.85 0.95 0.00	32.87 0.91 -3.54
GILBOA___2 23757	30.49 0.89 0.00	27.83 0.89 0.00	26.66 0.95 0.00	26.66 0.88 0.00	28.63 0.72 0.00	31.47 0.65 0.00	39.05 0.84 0.00	39.51 0.92 0.00	38.81 0.87 0.00	35.97 0.77 0.00	36.36 0.78 0.00	35.35 0.80 0.00	34.52 0.78 0.00	35.42 0.83 0.00	37.07 0.90 0.00	38.94 0.91 0.00	41.91 0.98 0.00	48.79 1.10 0.00	51.19 1.10 0.00	52.90 1.19 0.00	51.99 1.22 0.00	43.05 0.93 0.00	34.85 0.95 0.00	32.87 0.91 -3.54
GILBOA___3 23758	30.49 0.89 0.00	27.83 0.89 0.00	26.66 0.95 0.00	26.66 0.88 0.00	28.63 0.72 0.00	31.47 0.65 0.00	39.05 0.84 0.00	39.51 0.92 0.00	38.81 0.87 0.00	35.97 0.77 0.00	36.36 0.78 0.00	35.35 0.80 0.00	34.52 0.78 0.00	35.42 0.83 0.00	37.07 0.90 0.00	38.94 0.91 0.00	41.91 0.98 0.00	48.79 1.10 0.00	51.19 1.10 0.00	52.90 1.19 0.00	51.99 1.22 0.00	43.05 0.93 0.00	34.85 0.95 0.00	32.87 0.91 -3.54
GILBOA___4 23759	30.49 0.89 0.00	27.83 0.89 0.00	26.66 0.95 0.00	26.66 0.88 0.00	28.63 0.72 0.00	31.47 0.65 0.00	39.05 0.84 0.00	39.51 0.92 0.00	38.81 0.87 0.00	35.97 0.77 0.00	36.36 0.78 0.00	35.35 0.80 0.00	34.52 0.78 0.00	35.42 0.83 0.00	37.07 0.90 0.00	38.94 0.91 0.00	41.91 0.98 0.00	48.79 1.10 0.00	51.19 1.10 0.00	52.90 1.19 0.00	51.99 1.22 0.00	43.05 0.93 0.00	34.85 0.95 0.00	32.87 0.91 -3.54

GILBOA____ 23599	30.49 0.89 0.00	27.84 0.89 0.00	26.66 0.95 0.00	26.66 0.88 0.00	28.63 0.73 0.00	31.47 0.65 0.00	39.05 0.84 0.00	39.51 0.93 0.00	38.81 0.87 0.00	36.01 0.81 0.00	36.36 0.78 0.00	35.31 0.76 0.00	34.52 0.78 0.00	35.42 0.83 0.00	37.07 0.90 0.00	38.94 0.91 0.00	41.91 0.98 0.00	48.79 1.10 0.00	51.19 1.10 0.00	52.90 1.19 0.00	51.94 1.17 0.00	43.05 0.93 0.00	34.85 0.95 0.00	32.87 0.91 -3.54
GINNA____ 23603	27.62 -1.98 0.00	24.98 -1.97 0.00	23.88 -1.82 0.00	23.87 -1.91 0.00	25.65 -2.26 0.00	28.57 -2.25 0.00	35.15 -3.06 0.00	35.35 -3.24 0.00	34.86 -3.07 0.00	32.31 -2.89 0.00	32.66 -2.92 0.00	31.58 -2.97 0.00	30.81 -2.94 0.00	31.65 -2.94 0.00	33.12 -3.04 0.00	34.91 -3.12 0.00	37.41 -3.52 0.00	43.69 -4.01 0.00	45.93 -4.16 0.00	47.57 -4.14 0.00	46.61 -4.16 0.00	38.96 -3.16 0.00	31.42 -2.47 0.00	27.06 -1.79 -0.42
GLEN PARK____ 23778	29.36 -0.24 0.00	26.57 -0.38 0.00	25.30 -0.41 0.00	25.40 -0.39 0.00	27.60 -0.31 0.00	30.76 -0.06 0.00	38.10 -0.11 0.00	38.24 -0.35 0.00	37.63 -0.30 0.00	34.49 -0.70 0.00	34.86 -0.71 0.00	33.65 -0.90 0.00	32.63 -1.11 0.00	33.31 -1.28 0.00	35.00 -1.16 0.00	37.16 -0.87 0.00	40.07 -0.86 0.00	47.17 -0.52 0.00	49.59 -0.50 0.00	51.55 -0.15 0.00	50.77 0.00 0.00	42.04 -0.08 0.00	33.63 -0.27 0.00	28.24 -0.37 -0.18
GLENDALE_27_KV_LOAD 356172	32.00 2.40 0.00	29.37 2.43 0.00	28.00 2.29 0.00	27.87 2.09 0.00	29.67 1.76 0.00	32.67 1.85 0.00	40.65 2.45 0.00	41.44 2.86 0.00	41.01 3.07 0.00	38.22 3.03 0.00	38.38 2.81 0.00	37.46 2.90 0.00	36.72 2.97 0.00	38.17 3.04 -0.54	39.34 3.18 0.00	41.34 3.31 0.00	44.33 3.40 0.00	51.42 3.72 0.00	53.74 3.66 0.00	55.43 3.72 0.00	54.48 3.71 0.00	44.99 2.86 0.00	36.58 2.68 0.00	34.39 2.42 -3.55
GLENWOOD_IC_1_G5 23712	48.09 2.60 -15.88	46.37 2.53 -16.89	42.60 2.39 -14.50	29.58 2.22 -1.58	29.93 2.01 -0.02	47.21 2.13 -14.26	47.66 2.79 -6.66	48.64 3.16 -6.89	53.35 3.30 -12.12	57.37 3.10 -19.08	56.15 2.67 -17.91	59.26 2.63 -22.08	62.82 2.70 -26.37	62.96 2.77 -25.60	60.98 2.89 -21.93	62.81 3.04 -21.74	53.19 3.15 -9.11	51.19 3.48 -0.02	53.61 3.51 -0.02	55.24 3.52 -0.02	54.34 3.55 -0.02	49.65 2.95 -4.58	49.62 2.81 -12.91	49.19 2.56 -18.21
GLENWOOD_IC_2_G1 23688	47.88 2.40 -15.88	46.18 2.34 -16.89	42.42 2.21 -14.50	29.43 2.06 -1.58	29.82 1.90 -0.02	46.99 1.91 -14.26	47.39 2.52 -6.66	48.22 2.90 -6.74	41.49 3.04 -0.52	38.83 2.82 -0.82	38.91 2.56 -0.77	38.09 2.59 -0.95	37.48 2.60 -1.13	38.35 2.66 -1.10	39.89 2.78 -0.94	41.89 2.93 -0.93	44.35 3.03 -0.39	51.03 3.34 0.00	53.50 3.41 0.00	55.12 3.41 0.00	54.23 3.45 0.00	45.06 2.74 -0.20	37.06 2.61 -0.55	34.96 2.36 -4.18
GLENWOOD_IC_3_G1 23689	47.88 2.40 -15.88	46.18 2.34 -16.89	42.42 2.21 -14.50	29.43 2.06 -1.58	29.82 1.90 -0.02	46.99 1.91 -14.26	47.39 2.52 -6.66	48.22 2.90 -6.74	41.49 3.04 -0.52	38.83 2.82 -0.82	38.91 2.56 -0.77	38.09 2.59 -0.95	37.48 2.60 -1.13	38.35 2.66 -1.10	39.89 2.78 -0.94	41.89 2.93 -0.93	44.35 3.03 -0.39	51.03 3.34 0.00	53.50 3.41 0.00	55.12 3.41 0.00	54.23 3.45 0.00	45.06 2.74 -0.20	37.06 2.61 -0.55	34.96 2.36 -4.18
GLENWOOD____4 23550	48.09 2.60 -15.88	46.37 2.53 -16.89	42.60 2.39 -14.50	29.58 2.22 -1.58	29.93 2.01 -0.02	47.21 2.13 -14.26	47.66 2.79 -6.66	48.64 3.16 -6.89	53.35 3.30 -12.12	57.37 3.10 -19.08	56.19 2.70 -17.91	59.33 2.70 -22.08	62.85 2.73 -26.37	63.00 2.80 -25.60	61.05 2.97 -21.93	62.85 3.08 -21.74	53.23 3.19 -9.11	51.24 3.53 -0.02	53.66 3.56 -0.02	55.34 3.62 -0.02	54.44 3.66 -0.02	49.65 2.95 -4.58	49.62 2.81 -12.91	49.19 2.56 -18.21
GLENWOOD____5 23614	48.09 2.60 -15.88	46.37 2.53 -16.89	42.60 2.39 -14.50	29.58 2.22 -1.58	29.93 2.01 -0.02	47.21 2.13 -14.26	47.66 2.79 -6.66	48.64 3.16 -6.89	53.35 3.30 -12.12	57.37 3.10 -19.08	56.19 2.70 -17.91	59.33 2.70 -22.08	62.85 2.73 -26.37	63.00 2.80 -25.60	61.05 2.97 -21.93	62.85 3.08 -21.74	53.23 3.19 -9.11	51.24 3.53 -0.02	53.66 3.56 -0.02	55.34 3.62 -0.02	54.44 3.66 -0.02	49.65 2.95 -4.58	49.62 2.81 -12.91	49.19 2.56 -18.21
GLOBAL GREEN_PORT_GT1 23814	49.18 3.70 -15.88	47.29 3.45 -16.89	43.45 3.24 -14.50	30.48 3.12 -1.58	30.99 3.07 -0.02	48.44 3.36 -14.26	49.26 4.39 -6.66	50.23 4.82 -6.82	49.78 4.86 -6.99	50.75 4.54 -11.01	50.05 4.09 -10.38	51.45 3.97 -12.92	57.60 3.88 -19.97	65.28 4.01 -26.67	57.40 4.05 -17.19	57.16 4.22 -14.91	137.92 4.42 -92.57	195.76 4.96 -143.11	214.04 5.16 -158.80	206.62 5.28 -149.63	190.40 5.38 -134.25	136.38 4.38 -89.87	74.53 4.24 -36.40	53.50 4.03 -21.04
GLOBE____DSASP 323697	27.47 -2.13 0.00	24.71 -2.24 0.00	23.83 -1.88 0.00	23.82 -1.96 0.00	25.34 -2.57 0.00	28.35 -2.47 0.00	34.58 -3.63 0.00	34.57 -4.01 0.00	34.06 -3.87 0.00	31.36 -3.84 0.00	31.63 -3.95 0.00	30.61 -3.94 0.00	29.66 -4.08 0.00	30.34 -4.25 0.00	31.68 -4.48 0.00	33.24 -4.79 0.00	35.61 -5.32 0.00	41.69 -6.01 0.00	44.08 -6.01 0.00	45.81 -5.89 0.00	45.04 -5.74 0.00	38.12 -4.00 0.00	30.81 -3.08 0.00	26.85 -2.13 -0.55
GOETHSLN____LBMP 323567	31.79 2.19 0.00	29.10 2.16 0.00	27.71 2.01 0.00	27.58 1.80 0.00	29.41 1.51 0.00	32.39 1.57 0.00	40.38 2.18 0.00	41.13 2.55 0.00	40.74 2.81 0.00	37.91 2.71 0.00	38.06 2.49 0.01	36.01 2.52 1.06	34.75 2.63 1.63	31.15 2.66 6.11	37.19 2.78 1.75	39.46 2.89 1.45	42.63 2.91 1.21	50.73 3.10 0.06	53.14 3.06 0.01	54.73 3.10 0.08	51.14 3.15 2.78	43.76 2.53 0.89	34.55 2.41 1.76	32.29 2.19 -1.67
GOLAH____69_KV_TB 1_2 80279	28.80 -0.80 0.00	25.98 -0.97 0.00	24.86 -0.85 0.00	24.85 -0.93 0.00	26.65 -1.26 0.00	29.77 -1.05 0.00	36.53 -1.68 0.00	36.66 -1.93 0.00	36.04 -1.90 0.00	33.30 -1.90 0.00	33.62 -1.96 0.00	32.55 -2.00 0.00	31.62 -2.13 0.00	32.45 -2.14 0.00	33.92 -2.24 0.00	35.67 -2.36 0.00	38.31 -2.62 0.00	44.79 -2.91 0.00	47.28 -2.80 0.00	49.17 -2.53 0.00	48.29 -2.49 0.00	40.56 -1.56 0.00	32.68 -1.22 0.00	28.16 -0.71 -0.44
GOODYEAR_LAKE_HYD 323669	30.81 1.21 0.00	28.10 1.16 0.00	26.84 1.13 0.00	26.84 1.06 0.00	28.91 1.00 0.00	31.99 1.17 0.00	39.70 1.49 0.00	40.09 1.50 0.00	39.49 1.56 0.00	36.53 1.34 0.00	36.89 1.32 0.00	35.83 1.28 0.00	34.89 1.15 0.00	35.73 1.14 0.00	37.46 1.30 0.00	39.47 1.45 0.00	42.48 1.56 0.00	49.65 1.96 0.00	52.04 1.95 0.00	53.78 2.07 0.00	52.91 2.13 0.00	43.81 1.68 0.00	35.32 1.42 0.00	30.72 1.22 -1.07
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	29.81 0.21 0.00	27.11 0.16 0.00	25.89 0.18 0.00	25.91 0.13 0.00	27.85 -0.06 0.00	30.88 0.06 0.00	38.25 0.04 0.00	38.55 -0.04 0.00	37.86 -0.08 0.00	35.06 -0.14 0.00	35.40 -0.18 0.00	34.31 -0.24 0.00	33.41 -0.34 0.00	34.25 -0.35 0.00	35.84 -0.33 0.00	37.72 -0.30 0.00	40.56 -0.37 0.00	47.41 -0.29 0.00	49.79 -0.30 0.00	51.45 -0.26 0.00	50.57 -0.20 0.00	42.08 -0.04 0.00	33.90 0.00 0.00	29.62 0.00 -1.19

GOUDEY___7 23579	29.81 0.21 0.00	27.11 0.16 0.00	25.89 0.18 0.00	25.91 0.13 0.00	27.85 -0.06 0.00	30.88 0.06 0.00	38.25 0.04 0.00	38.55 -0.04 0.00	37.86 -0.08 0.00	35.06 -0.14 0.00	35.40 -0.18 0.00	34.31 -0.24 0.00	33.41 -0.34 0.00	34.25 -0.35 0.00	35.84 -0.33 0.00	37.72 -0.30 0.00	40.56 -0.37 0.00	47.41 -0.29 0.00	49.79 -0.30 0.00	51.45 -0.26 0.00	50.57 -0.20 0.00	42.08 -0.04 0.00	33.90 0.00 0.00	29.62 0.00 -1.19
GOUDEY___8 23580	29.81 0.21 0.00	27.11 0.16 0.00	25.89 0.18 0.00	25.91 0.13 0.00	27.85 -0.06 0.00	30.88 0.06 0.00	38.25 0.04 0.00	38.55 -0.04 0.00	37.86 -0.08 0.00	35.06 -0.14 0.00	35.40 -0.18 0.00	34.31 -0.24 0.00	33.41 -0.34 0.00	34.25 -0.35 0.00	35.84 -0.33 0.00	37.72 -0.30 0.00	40.56 -0.37 0.00	47.41 -0.29 0.00	49.79 -0.30 0.00	51.45 -0.26 0.00	50.57 -0.20 0.00	42.08 -0.04 0.00	33.90 0.00 0.00	29.62 0.00 -1.19
GOWANUS_GT1_1 24077	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT1_2 24078	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT1_3 24079	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT1_4 24080	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT1_5 24084	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT1_6 24111	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT1_7 24112	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT1_8 24113	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT2_1 24114	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT2_2 24115	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT2_3 24116	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT2_4 24117	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT2_5 24118	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47

GOWANUS_GT2_6 24119	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT2_7 24120	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT2_8 24121	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT3_1 24122	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT3_2 24123	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT3_3 24124	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT3_4 24125	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT3_5 24126	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT3_6 24127	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT3_7 24128	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT3_8 24129	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT4_1 24130	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT4_2 24131	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT4_3 24132	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT4_4 24133	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47

GOWANUS_GT4_5 24134	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT4_6 24135	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT4_7 24136	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GOWANUS_GT4_8 24137	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GREATVRV_69_KV_BK1 356245	48.98 3.49 -15.88	47.18 3.34 -16.89	43.34 3.14 -14.50	30.33 2.96 -1.58	30.74 2.82 -0.02	48.16 3.08 -14.26	48.85 3.97 -6.66	49.77 4.36 -6.82	49.41 4.29 -7.19	50.46 3.94 -11.33	49.68 3.45 -10.66	51.08 3.32 -13.21	55.27 3.27 -18.25	59.78 3.49 -21.69	55.27 3.62 -15.49	56.03 3.80 -14.19	98.03 4.01 -53.09	130.19 4.34 -78.15	141.32 4.51 -86.72	138.08 4.65 -81.72	128.76 4.67 -73.32	96.31 3.83 -50.36	61.20 3.83 -23.47	49.10 3.50 -17.18
GREENBSH_115KV_TB3 55895	28.03 0.68 2.25	27.67 0.73 0.00	26.38 0.67 0.00	26.36 0.62 0.04	28.05 0.45 0.30	24.63 0.43 6.62	26.06 0.57 12.72	29.93 0.69 9.35	37.06 0.42 1.29	35.51 0.32 0.00	35.82 0.39 0.15	34.80 0.45 0.20	34.15 0.40 0.00	34.61 0.55 0.54	36.53 0.58 0.21	38.56 0.53 0.00	40.80 0.61 0.74	48.36 0.67 0.00	50.84 0.75 0.00	52.48 0.78 0.00	51.54 0.76 0.00	42.67 0.55 0.00	34.64 0.75 0.00	33.65 0.74 -4.48
GREENDGE_115KV_TB5 80291	29.42 -0.18 0.00	26.70 -0.24 0.00	25.53 -0.18 0.00	25.52 -0.26 0.00	27.41 -0.50 0.00	30.54 -0.28 0.00	37.83 -0.38 0.00	38.09 -0.50 0.00	37.29 -0.64 0.00	34.42 -0.77 0.00	34.79 -0.78 0.00	33.62 -0.93 0.00	32.70 -1.05 0.00	33.52 -1.07 0.00	35.11 -1.05 0.00	36.96 -1.06 0.00	39.78 -1.15 0.00	46.69 -1.00 0.00	49.09 -1.00 0.00	50.42 -1.29 0.00	49.45 -1.32 0.00	41.58 -0.55 0.00	33.36 -0.54 0.00	28.71 -0.43 -0.71
GREENIDGE___3 23582	29.42 -0.18 0.00	26.70 -0.24 0.00	25.53 -0.18 0.00	25.52 -0.26 0.00	27.41 -0.50 0.00	30.54 -0.28 0.00	37.83 -0.38 0.00	38.09 -0.50 0.00	37.29 -0.64 0.00	34.42 -0.77 0.00	34.79 -0.78 0.00	33.62 -0.93 0.00	32.70 -1.05 0.00	33.52 -1.07 0.00	35.11 -1.05 0.00	36.96 -1.06 0.00	39.78 -1.15 0.00	46.69 -1.00 0.00	49.09 -1.00 0.00	50.42 -1.29 0.00	49.45 -1.32 0.00	41.58 -0.55 0.00	33.36 -0.54 0.00	28.71 -0.43 -0.71
GREENIDGE___4 23583	29.42 -0.18 0.00	26.70 -0.24 0.00	25.53 -0.18 0.00	25.52 -0.26 0.00	27.41 -0.50 0.00	30.54 -0.28 0.00	37.83 -0.38 0.00	38.08 -0.50 0.00	37.29 -0.65 0.00	34.46 -0.74 0.00	34.79 -0.78 0.00	33.55 -1.00 0.00	32.67 -1.08 0.00	33.52 -1.07 0.00	35.11 -1.05 0.00	36.96 -1.06 0.00	39.78 -1.15 0.00	46.69 -1.00 0.00	48.69 -1.40 0.00	50.42 -1.29 0.00	49.45 -1.32 0.00	41.53 -0.59 0.00	33.35 -0.54 0.00	28.71 -0.43 -0.71
GREENLWN_69_KV_BK 3 55738	48.29 2.81 -15.88	46.61 2.78 -16.89	42.83 2.62 -14.50	29.84 2.48 -1.58	30.21 2.29 -0.02	47.51 2.43 -14.26	47.93 3.06 -6.66	48.77 3.36 -6.82	48.59 3.49 -7.17	49.65 3.17 -11.29	48.34 2.17 -10.60	49.84 2.21 -13.07	51.97 2.40 -15.83	52.59 2.28 -15.72	51.81 2.46 -13.19	53.59 2.59 -12.97	53.11 2.58 -9.60	57.42 2.81 -6.91	60.66 2.91 -7.67	61.83 2.90 -7.23	60.20 2.94 -6.48	51.27 2.23 -6.92	45.34 2.41 -9.03	43.36 2.27 -12.66
GREENWD_138_KV_38B11_REV_LBMP_J 345004	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
GRISSOM___SOLAR 323813	31.67 1.81 -0.26	28.67 1.73 0.00	27.33 1.62 0.00	27.36 1.57 0.00	29.45 1.51 -0.04	33.34 1.76 -0.76	41.93 2.25 -1.47	41.83 2.16 -1.08	39.74 1.67 -0.14	36.53 1.34 0.00	37.08 1.49 -0.02	36.03 1.45 -0.02	35.10 1.35 0.00	36.14 1.49 -0.06	37.92 1.74 -0.02	39.97 1.94 0.00	43.30 2.29 -0.08	50.61 2.91 0.00	53.39 3.31 0.00	55.33 3.62 0.00	54.38 3.61 0.00	44.95 2.82 0.00	36.17 2.27 0.00	35.37 1.99 -4.96
GROVEVILLE___HYD 323602	31.64 2.04 0.00	28.97 2.02 0.00	27.59 1.88 0.00	27.53 1.75 0.00	29.44 1.53 0.00	32.42 1.60 0.00	40.35 2.14 0.00	41.02 2.43 0.00	40.44 2.50 0.00	37.52 2.32 0.00	37.78 2.21 0.00	36.66 2.11 0.00	36.01 2.26 0.00	36.88 2.28 0.00	38.62 2.46 0.00	40.65 2.62 0.00	43.63 2.70 0.00	50.80 3.10 0.00	53.14 3.06 0.00	54.91 3.21 0.00	54.02 3.25 0.00	44.65 2.53 0.00	36.17 2.27 0.00	34.02 2.05 -3.55
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	29.45 -0.15 0.00	26.78 -0.16 0.00	25.55 -0.15 0.00	25.58 -0.21 0.00	27.57 -0.33 0.00	30.54 -0.28 0.00	37.90 -0.31 0.00	38.12 -0.46 0.00	37.44 -0.49 0.00	34.74 -0.46 0.00	35.18 -0.39 0.00	34.10 -0.45 0.00	33.27 -0.47 0.00	34.14 -0.45 0.00	35.73 -0.43 0.00	37.61 -0.42 0.00	40.44 -0.49 0.00	47.22 -0.48 0.00	49.54 -0.55 0.00	51.14 -0.57 0.00	50.22 -0.56 0.00	41.74 -0.38 0.00	33.59 -0.31 0.00	28.65 -0.11 -0.33
HAMLTNNY_34_KV_TB 80303	29.36 -0.24 0.00	26.70 -0.24 0.00	25.50 -0.21 0.00	25.50 -0.28 0.00	27.49 -0.42 0.00	30.48 -0.34 0.00	37.79 -0.42 0.00	38.01 -0.58 0.00	37.33 -0.61 0.00	34.63 -0.56 0.00	35.04 -0.53 0.00	33.97 -0.59 0.00	33.14 -0.61 0.00	34.01 -0.59 0.00	35.58 -0.58 0.00	37.46 -0.57 0.00	40.23 -0.70 0.00	47.03 -0.67 0.00	49.34 -0.75 0.00	50.98 -0.72 0.00	50.01 -0.76 0.00	41.66 -0.46 0.00	33.49 -0.41 0.00	28.61 -0.17 -0.35

HAMPSHIRE___PAPER_HYD 323593	28.59 -1.01 0.00	25.84 -1.11 0.00	24.60 -1.10 0.00	24.75 -1.03 0.00	27.01 -0.89 0.00	30.08 -0.74 0.00	37.26 -0.95 0.00	37.62 -0.96 0.00	37.17 -0.76 0.00	34.25 -0.95 0.00	34.58 -1.00 0.00	33.55 -1.00 0.00	32.67 -1.08 0.00	33.35 -1.24 0.00	34.93 -1.23 0.00	36.85 -1.18 0.00	39.74 -1.19 0.00	46.31 -1.38 0.00	48.63 -1.45 0.00	50.31 -1.39 0.00	49.41 -1.37 0.00	41.03 -1.10 0.00	32.64 -1.25 0.00	27.21 -1.31 -0.09
HARDSCRABBLE_WT_PWR 323673	29.75 0.15 0.00	27.11 0.16 0.00	25.86 0.16 0.00	25.89 0.10 0.00	27.94 0.03 0.00	30.82 0.00 0.00	38.13 -0.08 0.00	38.43 -0.15 0.00	37.78 -0.15 0.00	35.06 -0.14 0.00	35.47 -0.11 0.00	34.45 -0.10 0.00	33.58 -0.17 0.00	34.42 -0.17 0.00	36.02 -0.14 0.00	37.91 -0.11 0.00	40.81 -0.12 0.00	47.55 -0.14 0.00	49.84 -0.25 0.00	51.40 -0.31 0.00	50.42 -0.35 0.00	41.74 -0.38 0.00	33.59 -0.31 0.00	28.20 -0.23 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	31.49 1.89 0.00	28.83 1.89 0.00	27.46 1.75 0.00	27.41 1.62 0.00	29.30 1.40 0.00	32.30 1.48 0.00	40.20 1.99 0.00	40.86 2.28 0.00	40.32 2.39 0.00	37.45 2.25 0.00	37.67 2.10 0.00	36.59 2.04 0.00	35.91 2.16 0.00	36.77 2.18 0.00	38.51 2.35 0.00	40.50 2.47 0.00	43.51 2.58 0.00	50.61 2.91 0.00	52.99 2.91 0.00	54.71 3.00 0.00	53.77 3.00 0.00	44.48 2.36 0.00	36.03 2.14 0.00	33.65 1.90 -3.32
HARSNRAD_115KV_TB1 81005	27.88 -1.72 0.00	25.09 -1.86 0.00	24.12 -1.59 0.00	24.11 -1.68 0.00	25.70 -2.20 0.00	28.72 -2.10 0.00	35.04 -3.17 0.00	35.11 -3.47 0.00	34.59 -3.34 0.00	31.85 -3.34 0.00	32.09 -3.49 0.00	31.06 -3.49 0.00	30.07 -3.68 0.00	30.75 -3.84 0.00	32.15 -4.01 0.00	33.77 -4.26 0.00	36.22 -4.71 0.00	42.40 -5.29 0.00	44.83 -5.26 0.00	46.59 -5.12 0.00	45.75 -5.03 0.00	38.63 -3.50 0.00	31.22 -2.68 0.00	26.95 -2.02 -0.55
HARZA MOOSE___RIVER 24016	29.75 0.15 0.00	26.92 -0.03 0.00	25.66 -0.05 0.00	25.73 -0.05 0.00	27.88 -0.03 0.00	30.97 0.15 0.00	38.40 0.19 0.00	38.70 0.12 0.00	38.24 0.30 0.00	35.16 -0.04 0.00	35.50 -0.07 0.00	34.38 -0.17 0.00	33.41 -0.34 0.00	34.18 -0.42 0.00	35.84 -0.33 0.00	37.84 -0.19 0.00	40.77 -0.16 0.00	47.74 0.05 0.00	49.99 -0.10 0.00	51.76 0.05 0.00	50.88 0.10 0.00	42.12 0.00 0.00	33.80 -0.10 0.00	28.40 -0.14 -0.12
HDSNBRDG_115KV_BRDG_TB1 355580	29.39 -0.21 0.00	26.73 -0.22 0.00	25.53 -0.18 0.00	25.55 -0.23 0.00	27.52 -0.39 0.00	30.45 -0.37 0.00	37.79 -0.42 0.00	38.05 -0.54 0.00	37.36 -0.57 0.00	34.67 -0.53 0.00	35.08 -0.50 0.00	34.00 -0.55 0.00	33.17 -0.57 0.00	34.04 -0.55 0.00	35.62 -0.54 0.00	37.50 -0.53 0.00	40.27 -0.65 0.00	47.03 -0.67 0.00	49.34 -0.75 0.00	50.98 -0.72 0.00	50.01 -0.76 0.00	41.62 -0.51 0.00	33.49 -0.41 0.00	28.59 -0.17 -0.34
HELLGATE_13_KV_LD 55870	32.03 2.43 0.00	29.40 2.45 0.00	28.02 2.31 0.00	27.90 2.11 0.00	29.67 1.76 0.00	32.64 1.82 0.00	40.58 2.37 0.00	41.40 2.82 0.00	40.97 3.03 0.00	38.19 2.99 0.00	38.35 2.77 0.00	37.46 2.90 0.00	36.72 2.97 0.00	38.17 3.04 -0.54	39.31 3.15 0.00	41.30 3.27 0.00	44.29 3.36 0.00	51.32 3.62 0.00	53.69 3.61 0.00	55.33 3.62 0.00	54.43 3.66 0.00	44.90 2.78 0.00	36.54 2.64 0.00	34.36 2.39 -3.55
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	32.03 2.43 0.00	29.40 2.45 0.00	28.02 2.31 0.00	27.90 2.11 0.00	29.67 1.76 0.00	32.64 1.82 0.00	40.58 2.37 0.00	41.40 2.82 0.00	40.97 3.03 0.00	38.19 2.99 0.00	38.35 2.77 0.00	37.46 2.90 0.00	36.72 2.97 0.00	38.17 3.04 -0.54	39.31 3.15 0.00	41.30 3.27 0.00	44.29 3.36 0.00	51.32 3.62 0.00	53.69 3.61 0.00	55.33 3.62 0.00	54.43 3.66 0.00	44.90 2.78 0.00	36.54 2.64 0.00	34.36 2.39 -3.55
HEMPSTEAD____ 23647	48.09 2.61 -15.88	46.37 2.53 -16.89	42.60 2.39 -14.50	29.61 2.24 -1.58	30.04 2.12 -0.02	47.20 2.12 -14.26	47.66 2.79 -6.66	48.62 3.16 -6.87	51.64 3.26 -10.45	54.64 2.99 -16.45	53.58 2.56 -15.44	56.19 2.59 -19.04	59.05 2.56 -22.74	59.30 2.63 -22.08	57.85 2.78 -18.91	59.71 2.93 -18.75	51.81 3.03 -7.86	51.05 3.34 -0.01	53.51 3.41 -0.01	55.13 3.41 -0.01	54.29 3.50 -0.01	48.85 2.78 -3.95	47.81 2.78 -11.13	47.14 2.53 -16.19
HICKLING___1 23621	29.57 -0.03 0.00	26.81 -0.13 0.00	25.66 -0.05 0.00	25.65 -0.13 0.00	27.49 -0.42 0.00	30.63 -0.18 0.00	37.90 -0.31 0.00	38.16 -0.42 0.00	37.40 -0.53 0.00	34.56 -0.63 0.00	34.93 -0.64 0.00	33.72 -0.83 0.00	32.73 -1.01 0.00	33.56 -1.04 0.00	35.15 -1.01 0.00	37.00 -1.03 0.00	39.74 -1.19 0.00	46.65 -1.05 0.00	48.99 -1.10 0.00	50.62 -1.09 0.00	49.71 -1.07 0.00	41.58 -0.55 0.00	33.36 -0.54 0.00	28.77 -0.57 -0.91
HICKLING___2 23622	29.57 -0.03 0.00	26.81 -0.13 0.00	25.66 -0.05 0.00	25.65 -0.13 0.00	27.49 -0.42 0.00	30.63 -0.18 0.00	37.90 -0.31 0.00	38.16 -0.42 0.00	37.40 -0.53 0.00	34.56 -0.63 0.00	34.93 -0.64 0.00	33.72 -0.83 0.00	32.73 -1.01 0.00	33.56 -1.04 0.00	35.15 -1.01 0.00	37.00 -1.03 0.00	39.74 -1.19 0.00	46.65 -1.05 0.00	48.99 -1.10 0.00	50.62 -1.09 0.00	49.71 -1.07 0.00	41.58 -0.55 0.00	33.36 -0.54 0.00	28.77 -0.57 -0.91
HIGH FALLS___HY 23754	31.51 2.16 0.25	29.07 2.13 0.00	27.69 1.98 0.00	27.61 1.83 0.00	29.47 1.59 0.03	31.81 1.73 0.74	39.09 2.29 1.42	40.17 2.62 1.04	40.52 2.69 0.10	37.70 2.50 0.00	37.84 2.28 0.01	36.71 2.18 0.02	36.08 2.33 0.00	36.87 2.32 0.04	38.60 2.46 0.02	40.73 2.70 0.00	43.65 2.78 0.06	50.94 3.24 0.00	53.29 3.21 0.00	55.12 3.41 0.00	54.18 3.40 0.00	44.82 2.70 0.00	36.27 2.37 0.00	34.06 2.13 -3.50
HIGH_RIVER___SOLAR 323847	31.21 1.33 -0.28	28.24 1.29 0.00	26.92 1.21 0.00	26.95 1.16 0.00	29.01 1.06 -0.04	32.83 1.20 -0.81	41.26 1.49 -1.56	41.12 1.39 -1.15	39.03 0.95 -0.15	35.86 0.67 0.00	36.34 0.75 -0.02	35.34 0.76 -0.02	34.49 0.74 0.00	35.55 0.90 -0.06	37.27 1.08 -0.02	39.21 1.18 0.00	42.41 1.39 -0.08	49.55 1.86 0.00	52.24 2.15 0.00	54.14 2.43 0.00	53.21 2.44 0.00	44.02 1.90 0.00	35.49 1.59 0.00	34.65 1.45 -4.77
HILLBURN___GT 23639	31.55 1.95 0.00	28.89 1.94 0.00	27.53 1.83 0.00	27.46 1.67 0.00	29.42 1.51 0.00	32.33 1.51 0.00	40.23 2.02 0.00	40.94 2.35 0.00	40.44 2.50 0.00	37.56 2.36 0.00	37.78 2.21 0.00	36.80 2.24 0.00	36.04 2.30 0.00	36.91 2.32 0.00	38.62 2.46 0.00	40.62 2.59 0.00	43.63 2.70 0.00	50.65 2.96 0.00	53.04 2.95 0.00	54.71 3.00 0.00	53.82 3.05 0.00	44.52 2.40 0.00	36.10 2.20 0.00	33.77 1.99 -3.35
HILLSIDE_115KV_TB1 80332	29.24 -0.36 0.00	26.54 -0.40 0.00	25.40 -0.31 0.00	25.40 -0.39 0.00	27.24 -0.67 0.00	30.29 -0.52 0.00	37.48 -0.73 0.00	37.74 -0.85 0.00	37.06 -0.87 0.00	34.21 -0.99 0.00	34.58 -1.00 0.00	33.41 -1.14 0.00	32.50 -1.25 0.00	33.28 -1.31 0.00	34.86 -1.30 0.00	36.66 -1.37 0.00	39.41 -1.51 0.00	46.17 -1.53 0.00	48.49 -1.60 0.00	50.16 -1.55 0.00	49.30 -1.47 0.00	41.11 -1.01 0.00	33.12 -0.78 0.00	28.62 -0.77 -0.97

HISHELDN_WT_PWR 323625	28.33 -1.27 0.00	25.54 -1.40 0.00	24.55 -1.16 0.00	24.54 -1.24 0.00	26.21 -1.70 0.00	29.31 -1.51 0.00	35.92 -2.29 0.00	36.04 -2.55 0.00	35.47 -2.47 0.00	32.63 -2.57 0.00	32.87 -2.71 0.00	31.55 -3.01 0.00	30.57 -3.17 0.00	31.38 -3.22 0.00	32.80 -3.36 0.00	34.49 -3.54 0.00	37.08 -3.85 0.00	43.40 -4.29 0.00	45.73 -4.36 0.00	47.37 -4.34 0.00	46.46 -4.32 0.00	38.96 -3.16 0.00	31.49 -2.41 0.00	27.08 -1.99 -0.65
HOLTSVILLE_IC_1 23690	48.68 3.20 -15.88	46.91 3.07 -16.89	43.09 2.88 -14.50	30.10 2.73 -1.58	30.58 2.65 -0.02	47.85 2.77 -14.26	48.50 3.63 -6.66	49.35 3.94 -6.82	48.78 3.87 -6.98	49.71 3.52 -10.99	49.00 3.06 -10.37	50.43 2.97 -12.91	56.77 2.90 -20.12	64.77 3.08 -27.10	56.68 3.18 -17.33	56.35 3.35 -14.97	140.33 3.52 -95.88	200.10 3.86 -148.55	218.97 4.06 -164.83	211.17 4.14 -155.32	194.29 4.16 -139.35	138.72 3.41 -93.18	74.80 3.42 -37.48	53.00 3.21 -21.36
HOLTSVILLE_IC_10 23699	48.97 3.49 -15.88	47.18 3.34 -16.89	43.34 3.14 -14.50	30.33 2.96 -1.58	30.83 2.90 -0.02	48.16 3.08 -14.26	48.88 4.01 -6.66	49.77 4.36 -6.82	49.18 4.21 -7.03	50.11 3.84 -11.08	49.46 3.45 -10.44	50.85 3.32 -12.98	56.54 3.27 -19.52	63.45 3.46 -25.40	56.48 3.58 -16.74	56.51 3.77 -14.71	127.58 4.01 -82.63	178.90 4.44 -126.77	195.46 4.71 -140.67	189.01 4.75 -132.55	174.47 4.77 -118.92	125.93 3.87 -79.93	70.83 3.80 -33.14	52.03 3.55 -20.06
HOLTSVILLE_IC_2 23691	48.68 3.20 -15.88	46.91 3.07 -16.89	43.09 2.88 -14.50	30.10 2.73 -1.58	30.58 2.65 -0.02	47.85 2.77 -14.26	48.50 3.63 -6.66	49.35 3.94 -6.82	48.78 3.87 -6.98	49.71 3.52 -10.99	49.00 3.06 -10.37	50.43 2.97 -12.91	56.77 2.90 -20.12	64.77 3.08 -27.10	56.68 3.18 -17.33	56.35 3.35 -14.97	140.33 3.52 -95.88	200.10 3.86 -148.55	218.97 4.06 -164.83	211.17 4.14 -155.32	194.29 4.16 -139.35	138.72 3.41 -93.18	74.80 3.42 -37.48	53.00 3.21 -21.36
HOLTSVILLE_IC_3 23692	48.68 3.20 -15.88	46.91 3.07 -16.89	43.09 2.88 -14.50	30.10 2.73 -1.58	30.58 2.65 -0.02	47.85 2.77 -14.26	48.50 3.63 -6.66	49.35 3.94 -6.82	48.78 3.87 -6.98	49.71 3.52 -10.99	49.00 3.06 -10.37	50.43 2.97 -12.91	56.77 2.90 -20.12	64.77 3.08 -27.10	56.68 3.18 -17.33	56.35 3.35 -14.97	140.33 3.52 -95.88	200.10 3.86 -148.55	218.97 4.06 -164.83	211.17 4.14 -155.32	194.29 4.16 -139.35	138.72 3.41 -93.18	74.80 3.42 -37.48	53.00 3.21 -21.36
HOLTSVILLE_IC_4 23693	48.68 3.20 -15.88	46.91 3.07 -16.89	43.09 2.88 -14.50	30.10 2.73 -1.58	30.58 2.65 -0.02	47.85 2.77 -14.26	48.50 3.63 -6.66	49.35 3.94 -6.82	48.78 3.87 -6.98	49.71 3.52 -10.99	49.00 3.06 -10.37	50.43 2.97 -12.91	56.77 2.90 -20.12	64.77 3.08 -27.10	56.68 3.18 -17.33	56.35 3.35 -14.97	140.33 3.52 -95.88	200.10 3.86 -148.55	218.97 4.06 -164.83	211.17 4.14 -155.32	194.29 4.16 -139.35	138.72 3.41 -93.18	74.80 3.42 -37.48	53.00 3.21 -21.36
HOLTSVILLE_IC_5 23694	48.68 3.20 -15.88	46.91 3.07 -16.89	43.09 2.88 -14.50	30.10 2.73 -1.58	30.58 2.65 -0.02	47.85 2.77 -14.26	48.50 3.63 -6.66	49.35 3.94 -6.82	48.78 3.87 -6.98	49.71 3.52 -10.99	49.00 3.06 -10.37	50.43 2.97 -12.91	56.77 2.90 -20.12	64.77 3.08 -27.10	56.68 3.18 -17.33	56.35 3.35 -14.97	140.33 3.52 -95.88	200.10 3.86 -148.55	218.97 4.06 -164.83	211.17 4.14 -155.32	194.29 4.16 -139.35	138.72 3.41 -93.18	74.80 3.42 -37.48	53.00 3.21 -21.36
HOLTSVILLE_IC_6 23695	48.97 3.49 -15.88	47.18 3.34 -16.89	43.34 3.14 -14.50	30.33 2.96 -1.58	30.83 2.90 -0.02	48.16 3.08 -14.26	48.88 4.01 -6.66	49.77 4.36 -6.82	49.18 4.21 -7.03	50.11 3.84 -11.08	49.46 3.45 -10.44	50.85 3.32 -12.98	56.54 3.27 -19.52	63.45 3.46 -25.40	56.48 3.58 -16.74	56.51 3.77 -14.71	127.58 4.01 -82.63	178.90 4.44 -126.77	195.46 4.71 -140.67	189.01 4.75 -132.55	174.47 4.77 -118.92	125.93 3.87 -79.93	70.83 3.80 -33.14	52.03 3.55 -20.06
HOLTSVILLE_IC_7 23696	48.97 3.49 -15.88	47.18 3.34 -16.89	43.34 3.14 -14.50	30.33 2.96 -1.58	30.83 2.90 -0.02	48.16 3.08 -14.26	48.88 4.01 -6.66	49.77 4.36 -6.82	49.18 4.21 -7.03	50.11 3.84 -11.08	49.46 3.45 -10.44	50.85 3.32 -12.98	56.54 3.27 -19.52	63.45 3.46 -25.40	56.48 3.58 -16.74	56.51 3.77 -14.71	127.58 4.01 -82.63	178.90 4.44 -126.77	195.46 4.71 -140.67	189.01 4.75 -132.55	174.47 4.77 -118.92	125.93 3.87 -79.93	70.83 3.80 -33.14	52.03 3.55 -20.06
HOLTSVILLE_IC_8 23697	48.97 3.49 -15.88	47.18 3.34 -16.89	43.34 3.14 -14.50	30.33 2.96 -1.58	30.83 2.90 -0.02	48.16 3.08 -14.26	48.88 4.01 -6.66	49.77 4.36 -6.82	49.18 4.21 -7.03	50.11 3.84 -11.08	49.46 3.45 -10.44	50.85 3.32 -12.98	56.54 3.27 -19.52	63.45 3.46 -25.40	56.48 3.58 -16.74	56.51 3.77 -14.71	127.58 4.01 -82.63	178.90 4.44 -126.77	195.46 4.71 -140.67	189.01 4.75 -132.55	174.47 4.77 -118.92	125.93 3.87 -79.93	70.83 3.80 -33.14	52.03 3.55 -20.06
HOLTSVILLE_IC_9 23698	48.97 3.49 -15.88	47.18 3.34 -16.89	43.34 3.14 -14.50	30.33 2.96 -1.58	30.83 2.90 -0.02	48.16 3.08 -14.26	48.88 4.01 -6.66	49.77 4.36 -6.82	49.18 4.21 -7.03	50.11 3.84 -11.08	49.46 3.45 -10.44	50.85 3.32 -12.98	56.54 3.27 -19.52	63.45 3.46 -25.40	56.48 3.58 -16.74	56.51 3.77 -14.71	127.58 4.01 -82.63	178.90 4.44 -126.77	195.46 4.71 -140.67	189.01 4.75 -132.55	174.47 4.77 -118.92	125.93 3.87 -79.93	70.83 3.80 -33.14	52.03 3.55 -20.06
HOMER_HL_115KV_TB2 355744	28.80 -0.80 0.00	26.00 -0.94 0.00	24.96 -0.75 0.00	24.98 -0.80 0.00	26.65 -1.26 0.00	29.86 -0.96 0.00	36.64 -1.57 0.00	36.85 -1.74 0.00	36.23 -1.71 0.00	33.33 -1.87 0.00	33.58 -1.99 0.00	32.45 -2.11 0.00	31.38 -2.36 0.00	32.10 -2.49 0.00	33.59 -2.57 0.00	35.33 -2.70 0.00	37.98 -2.95 0.00	44.50 -3.20 0.00	46.88 -3.21 0.00	48.55 -3.15 0.00	47.78 -3.00 0.00	40.10 -2.02 0.00	32.34 -1.56 0.00	26.98 -2.13 -0.68
HOWARD_WT_PWR 323690	29.01 -0.59 0.00	26.25 -0.70 0.00	25.17 -0.54 0.00	25.19 -0.59 0.00	26.96 -0.95 0.00	30.14 -0.68 0.00	37.22 -0.99 0.00	37.39 -1.20 0.00	36.57 -1.36 0.00	33.54 -1.65 0.00	33.80 -1.78 0.00	32.41 -2.14 0.00	31.35 -2.40 0.00	32.10 -2.49 0.00	33.56 -2.60 0.00	35.29 -2.74 0.00	37.98 -2.95 0.00	44.60 -3.10 0.00	46.83 -3.25 0.00	48.45 -3.26 0.00	47.47 -3.30 0.00	39.68 -2.44 0.00	31.83 -2.07 0.00	27.31 -1.88 -0.76
HQ_GEN_CEDARS 23644	29.07 -0.53 0.00	26.33 -0.62 0.00	25.09 -0.62 0.00	25.27 -0.52 0.00	27.71 -0.20 0.00	30.82 0.00 0.00	38.17 -0.04 0.00	38.66 0.08 0.00	38.12 0.19 0.00	35.41 0.21 0.00	35.79 0.21 0.00	34.76 0.21 0.00	34.02 0.27 0.00	34.77 0.17 0.00	36.27 0.11 0.00	38.18 0.15 0.00	41.13 0.20 0.00	47.55 -0.14 0.00	50.04 -0.05 0.00	51.55 -0.16 0.00	50.57 -0.20 0.00	42.25 0.13 0.00	33.46 -0.44 0.00	27.71 -0.71 0.00
HQ_GEN_CEDARS_PROXY 323590	29.07 -0.53 0.00	26.33 -0.62 0.00	25.09 -0.62 0.00	25.27 -0.52 0.00	27.71 -0.19 0.00	30.82 0.00 0.00	38.17 -0.04 0.00	38.66 0.08 0.00	38.12 0.19 0.00	35.41 0.21 0.00	35.79 0.21 0.00	34.76 0.21 0.00	33.98 0.24 0.00	34.77 0.17 0.00	36.27 0.11 0.00	38.18 0.15 0.00	41.13 0.21 0.00	47.55 -0.14 0.00	50.04 -0.05 0.00	51.55 -0.15 0.00	50.57 -0.20 0.00	42.25 0.13 0.00	33.46 -0.44 0.00	27.72 -0.71 0.00

HQ_GEN_IMPORT 323601	29.21 -0.39 0.00	26.54 -0.40 0.00	25.30 -0.41 0.00	25.47 -0.31 0.00	27.83 -0.08 0.00	30.73 -0.09 0.00	38.10 -0.11 0.00	38.51 -0.08 0.00	37.90 -0.04 0.00	35.20 0.00 0.00	35.61 0.04 0.00	34.59 0.03 0.00	33.81 0.07 0.00	34.59 0.00 0.00	36.12 -0.04 0.00	37.99 -0.04 0.00	40.93 0.00 0.00	47.65 -0.05 0.00	50.09 0.00 0.00	51.66 -0.05 0.00	50.72 -0.05 0.00	42.08 -0.04 0.00	33.66 -0.24 0.00	28.00 -0.43 0.00
HQ_GEN_WHEEL 23651	29.21 -0.39 0.00	26.54 -0.40 0.00	25.30 -0.41 0.00	25.47 -0.31 0.00	27.83 -0.08 0.00	30.73 -0.09 0.00	38.10 -0.11 0.00	38.51 -0.08 0.00	37.90 -0.04 0.00	35.20 0.00 0.00	35.61 0.04 0.00	34.59 0.03 0.00	33.81 0.07 0.00	34.59 0.00 0.00	36.12 -0.04 0.00	37.99 -0.04 0.00	40.93 0.00 0.00	47.65 -0.05 0.00	50.09 0.00 0.00	51.66 -0.05 0.00	50.72 -0.05 0.00	42.08 -0.04 0.00	33.66 -0.24 0.00	28.00 -0.43 0.00
HUDSON AVE_GT_3 23810	31.94 2.34 0.00	29.24 2.29 0.00	27.87 2.16 0.00	27.77 1.99 0.00	29.61 1.70 0.00	32.61 1.79 0.00	40.62 2.41 0.00	41.40 2.82 0.00	40.97 3.03 0.00	38.08 2.89 0.00	38.28 2.70 0.00	37.28 2.73 0.00	36.55 2.80 0.00	37.43 2.84 0.00	39.16 3.00 0.00	41.11 3.08 0.00	44.08 3.15 0.00	51.13 3.43 0.00	53.49 3.41 0.00	55.17 3.46 0.00	54.28 3.50 0.00	44.86 2.74 0.00	36.47 2.58 0.00	34.31 2.33 -3.55
HUDSON AVE_GT_4 23540	31.94 2.34 0.00	29.24 2.29 0.00	27.87 2.16 0.00	27.77 1.99 0.00	29.61 1.70 0.00	32.61 1.79 0.00	40.62 2.41 0.00	41.40 2.82 0.00	40.97 3.03 0.00	38.08 2.89 0.00	38.28 2.70 0.00	37.28 2.73 0.00	36.55 2.80 0.00	37.43 2.84 0.00	39.16 3.00 0.00	41.11 3.08 0.00	44.08 3.15 0.00	51.13 3.43 0.00	53.49 3.41 0.00	55.17 3.46 0.00	54.28 3.50 0.00	44.86 2.74 0.00	36.47 2.58 0.00	34.31 2.33 -3.55
HUDSON AVE_GT_5 23657	31.94 2.34 0.00	29.24 2.29 0.00	27.87 2.16 0.00	27.77 1.99 0.00	29.61 1.70 0.00	32.61 1.79 0.00	40.62 2.41 0.00	41.40 2.82 0.00	40.97 3.03 0.00	38.08 2.89 0.00	38.28 2.70 0.00	37.28 2.73 0.00	36.55 2.80 0.00	37.43 2.84 0.00	39.16 3.00 0.00	41.11 3.08 0.00	44.08 3.15 0.00	51.13 3.43 0.00	53.49 3.41 0.00	55.17 3.46 0.00	54.28 3.50 0.00	44.86 2.74 0.00	36.47 2.58 0.00	34.31 2.33 -3.55
HUDSON_AVE_10 24168	31.79 2.19 0.00	29.13 2.18 0.00	27.77 2.06 0.00	27.64 1.86 0.00	29.47 1.56 0.00	32.48 1.66 0.00	40.50 2.29 0.00	41.33 2.74 0.00	40.89 2.96 0.00	38.05 2.85 0.00	38.21 2.63 0.00	37.18 2.63 0.00	36.45 2.70 0.00	37.36 2.77 0.00	39.05 2.89 0.00	40.99 2.97 0.00	43.96 3.03 0.00	50.99 3.29 0.00	53.39 3.31 0.00	55.02 3.31 0.00	54.12 3.35 0.00	44.73 2.61 0.00	36.41 2.51 0.00	34.22 2.25 -3.55
HUDSON___115KV_TB 4 355613	29.06 1.12 1.67	28.02 1.08 0.00	26.71 1.00 0.00	26.73 0.98 0.03	28.52 0.84 0.23	26.84 0.92 4.90	30.02 1.22 9.41	32.94 1.27 6.92	37.32 0.68 1.29	35.65 0.46 0.00	35.92 0.50 0.15	34.84 0.48 0.20	34.22 0.47 0.00	34.68 0.62 0.54	36.64 0.69 0.21	38.71 0.68 0.00	41.05 0.86 0.74	48.79 1.10 0.00	51.44 1.35 0.00	53.16 1.45 0.00	52.25 1.47 0.00	43.18 1.05 0.00	35.05 1.15 0.00	33.96 1.05 -4.48
HUNTER MOUNT___DRP 323613	29.45 1.18 1.33	28.05 1.10 0.00	26.71 1.00 0.00	26.76 1.01 0.02	28.62 0.89 0.18	27.88 0.99 3.92	31.98 1.30 7.53	34.44 1.39 5.54	38.57 1.18 0.54	35.80 0.60 0.00	36.33 0.82 0.06	35.26 0.79 0.08	34.32 0.57 0.00	35.27 0.90 0.23	37.12 1.05 0.09	38.90 0.87 0.00	41.97 1.35 0.31	49.22 1.53 0.00	51.89 1.80 0.00	53.73 2.02 0.00	52.80 2.03 0.00	43.68 1.56 0.00	35.25 1.36 0.00	33.44 0.85 -4.16
HUNTINGTON_RES_REC 323705	48.20 2.72 -15.88	46.53 2.69 -16.89	42.75 2.55 -14.50	29.73 2.37 -1.58	30.18 2.26 -0.02	47.39 2.31 -14.26	47.81 2.94 -6.66	48.65 3.24 -6.82	48.36 3.34 -7.09	49.35 2.99 -11.16	48.04 1.99 -10.48	49.62 2.14 -12.93	51.68 2.19 -15.74	52.49 2.15 -15.75	51.60 2.32 -13.12	53.34 2.44 -12.87	54.41 2.46 -11.03	59.66 2.62 -9.35	63.16 2.70 -10.37	64.22 2.74 -9.77	62.33 2.79 -8.77	52.68 2.19 -8.37	45.71 2.37 -9.44	43.36 2.22 -12.71
HUNTLEY___63 23557	28.12 -1.48 0.00	25.30 -1.64 0.00	24.37 -1.34 0.00	24.34 -1.44 0.00	25.93 -1.98 0.00	29.03 -1.79 0.00	35.42 -2.79 0.00	35.50 -3.09 0.00	35.01 -2.92 0.00	32.21 -2.99 0.00	32.48 -3.09 0.00	31.44 -3.11 0.00	30.41 -3.34 0.00	31.13 -3.46 0.00	32.54 -3.62 0.00	34.19 -3.84 0.00	36.67 -4.26 0.00	42.88 -4.82 0.00	45.33 -4.76 0.00	47.05 -4.65 0.00	46.26 -4.52 0.00	39.05 -3.07 0.00	31.56 -2.34 0.00	27.23 -1.76 -0.57
HUNTLEY___64 23558	28.12 -1.48 0.00	25.30 -1.64 0.00	24.37 -1.34 0.00	24.34 -1.44 0.00	25.93 -1.98 0.00	29.03 -1.79 0.00	35.42 -2.79 0.00	35.50 -3.09 0.00	35.01 -2.92 0.00	32.21 -2.99 0.00	32.48 -3.09 0.00	31.44 -3.11 0.00	30.41 -3.34 0.00	31.13 -3.46 0.00	32.54 -3.62 0.00	34.19 -3.84 0.00	36.67 -4.26 0.00	42.88 -4.82 0.00	45.33 -4.76 0.00	47.05 -4.65 0.00	46.26 -4.52 0.00	39.05 -3.07 0.00	31.56 -2.34 0.00	27.23 -1.76 -0.57
HUNTLEY___65 23559	28.12 -1.48 0.00	25.30 -1.64 0.00	24.37 -1.34 0.00	24.34 -1.44 0.00	25.93 -1.98 0.00	29.03 -1.79 0.00	35.42 -2.79 0.00	35.50 -3.09 0.00	35.01 -2.92 0.00	32.21 -2.99 0.00	32.48 -3.09 0.00	31.44 -3.11 0.00	30.41 -3.34 0.00	31.13 -3.46 0.00	32.54 -3.62 0.00	34.19 -3.84 0.00	36.67 -4.26 0.00	42.88 -4.82 0.00	45.33 -4.76 0.00	47.05 -4.65 0.00	46.26 -4.52 0.00	39.05 -3.07 0.00	31.56 -2.34 0.00	27.23 -1.76 -0.57
HUNTLEY___66 23560	28.12 -1.48 0.00	25.30 -1.64 0.00	24.37 -1.34 0.00	24.34 -1.44 0.00	25.93 -1.98 0.00	29.03 -1.79 0.00	35.42 -2.79 0.00	35.50 -3.09 0.00	35.01 -2.92 0.00	32.21 -2.99 0.00	32.48 -3.09 0.00	31.44 -3.11 0.00	30.41 -3.34 0.00	31.13 -3.46 0.00	32.54 -3.62 0.00	34.19 -3.84 0.00	36.67 -4.26 0.00	42.88 -4.82 0.00	45.33 -4.76 0.00	47.05 -4.65 0.00	46.26 -4.52 0.00	39.05 -3.07 0.00	31.56 -2.34 0.00	27.23 -1.76 -0.57
HUNTLEY___67 23561	28.03 -1.57 0.00	25.25 -1.70 0.00	24.27 -1.44 0.00	24.26 -1.52 0.00	25.87 -2.04 0.00	28.97 -1.85 0.00	35.38 -2.83 0.00	35.46 -3.13 0.00	34.94 -3.00 0.00	32.17 -3.03 0.00	32.44 -3.13 0.00	31.37 -3.18 0.00	30.37 -3.37 0.00	31.06 -3.53 0.00	32.47 -3.69 0.00	34.07 -3.95 0.00	36.55 -4.38 0.00	42.78 -4.91 0.00	45.18 -4.91 0.00	46.95 -4.76 0.00	46.15 -4.62 0.00	38.92 -3.20 0.00	31.46 -2.44 0.00	27.16 -1.85 -0.58
HUNTLEY___68 23562	28.03 -1.57 0.00	25.25 -1.70 0.00	24.27 -1.44 0.00	24.26 -1.52 0.00	25.87 -2.04 0.00	28.97 -1.85 0.00	35.38 -2.83 0.00	35.46 -3.13 0.00	34.94 -3.00 0.00	32.17 -3.03 0.00	32.44 -3.13 0.00	31.37 -3.18 0.00	30.37 -3.37 0.00	31.06 -3.53 0.00	32.47 -3.69 0.00	34.07 -3.95 0.00	36.55 -4.38 0.00	42.78 -4.91 0.00	45.18 -4.91 0.00	46.95 -4.76 0.00	46.15 -4.62 0.00	38.92 -3.20 0.00	31.46 -2.44 0.00	27.16 -1.85 -0.58



HYLAND___LFGE 323620	29.81 0.21 0.00	26.92 -0.03 0.00	25.76 0.05 0.00	25.76 -0.03 0.00	27.60 -0.31 0.00	30.94 0.12 0.00	38.02 -0.19 0.00	38.01 -0.58 0.00	36.80 -1.14 0.00	33.47 -1.72 0.00	33.65 -1.92 0.00	32.27 -2.28 0.00	31.32 -2.43 0.00	32.17 -2.42 0.00	33.70 -2.46 0.00	35.71 -2.32 0.00	38.60 -2.33 0.00	45.88 -1.81 0.00	48.89 -1.20 0.00	51.24 -0.47 0.00	50.27 -0.51 0.00	42.08 -0.04 0.00	33.76 -0.14 0.00	28.94 -0.11 -0.63
INDECK___CORINTH 23802	32.57 1.42 -1.55	28.37 1.43 0.00	27.02 1.31 0.00	27.05 1.24 -0.03	29.21 1.09 -0.21	36.69 1.29 -4.57	48.75 1.76 -8.78	46.86 1.81 -6.46	40.16 1.36 -0.86	36.25 1.05 0.00	36.92 1.24 -0.10	35.93 1.24 -0.13	34.90 1.15 0.00	36.23 1.28 -0.36	37.78 1.48 -0.14	39.66 1.63 0.00	43.43 2.01 -0.50	50.17 2.48 0.00	52.89 2.80 0.00	54.76 3.05 0.00	53.77 2.99 0.00	44.40 2.27 0.00	35.76 1.86 0.00	34.70 1.65 -4.63
INDECK___ILION 23567	29.78 0.18 0.00	27.13 0.19 0.00	25.89 0.18 0.00	25.94 0.15 0.00	27.99 0.08 0.00	30.91 0.09 0.00	38.29 0.08 0.00	38.63 0.04 0.00	37.97 0.04 0.00	35.20 0.00 0.00	35.61 0.04 0.00	34.59 0.03 0.00	33.75 0.00 0.00	34.59 0.00 0.00	36.20 0.04 0.00	38.07 0.04 0.00	40.97 0.04 0.00	47.79 0.10 0.00	50.14 0.05 0.00	51.71 0.00 0.00	50.77 0.00 0.00	42.04 -0.08 0.00	33.86 -0.03 0.00	28.45 0.03 0.00
INDECK___OLEAN 23982	28.80 -0.80 0.00	26.00 -0.94 0.00	24.96 -0.75 0.00	24.98 -0.80 0.00	26.65 -1.26 0.00	29.86 -0.96 0.00	36.64 -1.57 0.00	36.85 -1.74 0.00	36.23 -1.71 0.00	33.33 -1.87 0.00	33.58 -1.99 0.00	32.31 -2.25 0.00	31.32 -2.43 0.00	32.10 -2.49 0.00	33.56 -2.60 0.00	35.33 -2.70 0.00	38.02 -2.91 0.00	44.50 -3.20 0.00	46.88 -3.21 0.00	48.55 -3.16 0.00	47.78 -3.00 0.00	40.06 -2.06 0.00	32.34 -1.56 0.00	26.98 -2.13 -0.68
INDECK___OSWEGO 23783	28.98 -0.62 0.00	26.38 -0.57 0.00	25.17 -0.54 0.00	25.19 -0.59 0.00	27.18 -0.73 0.00	30.08 -0.74 0.00	37.29 -0.92 0.00	37.47 -1.12 0.00	36.80 -1.14 0.00	34.14 -1.05 0.00	34.54 -1.03 0.00	33.48 -1.07 0.00	32.67 -1.08 0.00	33.48 -1.11 0.00	35.04 -1.12 0.00	36.89 -1.14 0.00	39.66 -1.27 0.00	46.31 -1.38 0.00	48.63 -1.45 0.00	50.21 -1.50 0.00	49.30 -1.47 0.00	40.99 -1.14 0.00	33.05 -0.85 0.00	28.14 -0.54 -0.25
INDECK___YERKES 23781	28.15 -1.45 0.00	25.33 -1.62 0.00	24.40 -1.31 0.00	24.36 -1.42 0.00	25.93 -1.98 0.00	29.03 -1.79 0.00	35.42 -2.79 0.00	35.54 -3.05 0.00	35.01 -2.92 0.00	32.24 -2.96 0.00	32.51 -3.06 0.00	31.24 -3.32 0.00	30.34 -3.41 0.00	31.17 -3.43 0.00	32.55 -3.62 0.00	34.23 -3.80 0.00	36.71 -4.21 0.00	42.93 -4.77 0.00	45.38 -4.71 0.00	47.11 -4.60 0.00	46.25 -4.52 0.00	38.92 -3.20 0.00	31.59 -2.31 0.00	27.26 -1.73 -0.57
INDIAN POINT_GT_1 24139	31.58 1.98 0.00	28.91 1.97 0.00	27.56 1.85 0.00	27.48 1.70 0.00	29.36 1.45 0.00	32.36 1.54 0.00	40.23 2.03 0.00	40.94 2.35 0.00	40.44 2.50 0.00	37.59 2.39 0.00	37.82 2.24 0.00	36.76 2.21 0.00	36.04 2.29 0.00	36.95 2.35 0.00	38.66 2.50 0.00	40.65 2.62 0.00	43.59 2.66 0.00	50.65 2.96 0.00	53.04 2.96 0.00	54.71 3.00 0.00	53.77 3.00 0.00	44.48 2.36 0.00	36.10 2.20 0.00	33.96 2.02 -3.51
INDIAN POINT_GT_2 23659	31.58 1.98 0.00	28.91 1.97 0.00	27.56 1.85 0.00	27.48 1.70 0.00	29.36 1.45 0.00	32.36 1.54 0.00	40.23 2.03 0.00	40.94 2.35 0.00	40.44 2.50 0.00	37.59 2.39 0.00	37.82 2.24 0.00	36.76 2.21 0.00	36.04 2.29 0.00	36.95 2.35 0.00	38.66 2.50 0.00	40.65 2.62 0.00	43.59 2.66 0.00	50.65 2.96 0.00	53.04 2.96 0.00	54.71 3.00 0.00	53.77 3.00 0.00	44.48 2.36 0.00	36.10 2.20 0.00	33.96 2.02 -3.51
INDIAN POINT_GT_3 24019	31.58 1.98 0.00	28.91 1.97 0.00	27.56 1.85 0.00	27.48 1.70 0.00	29.36 1.45 0.00	32.36 1.54 0.00	40.23 2.03 0.00	40.94 2.35 0.00	40.44 2.50 0.00	37.59 2.39 0.00	37.82 2.24 0.00	36.76 2.21 0.00	36.04 2.29 0.00	36.95 2.35 0.00	38.66 2.50 0.00	40.65 2.62 0.00	43.59 2.66 0.00	50.65 2.96 0.00	53.04 2.96 0.00	54.71 3.00 0.00	53.77 3.00 0.00	44.48 2.36 0.00	36.10 2.20 0.00	33.96 2.02 -3.51
INDIAN POINT___2 23530	31.55 1.95 0.00	28.89 1.94 0.00	27.53 1.83 0.00	27.46 1.67 0.00	29.42 1.51 0.00	32.33 1.51 0.00	40.23 2.02 0.00	40.90 2.32 0.00	40.40 2.46 0.00	37.56 2.36 0.00	37.78 2.21 0.00	36.80 2.24 0.00	36.01 2.26 0.00	36.91 2.32 0.00	38.62 2.46 0.00	40.58 2.55 0.00	43.55 2.62 0.00	50.61 2.91 0.00	52.99 2.90 0.00	54.60 2.89 0.00	53.72 2.94 0.00	44.48 2.36 0.00	36.10 2.20 0.00	33.84 1.96 -3.46
INDIAN POINT___3 23531	31.55 1.95 0.00	28.89 1.94 0.00	27.51 1.80 0.00	27.46 1.68 0.00	29.33 1.42 0.00	32.30 1.48 0.00	40.20 1.99 0.00	40.90 2.32 0.00	40.36 2.43 0.00	37.52 2.32 0.00	37.74 2.17 0.00	36.70 2.14 0.00	35.97 2.23 0.00	36.88 2.28 0.00	38.58 2.42 0.00	40.54 2.51 0.00	43.51 2.58 0.00	50.56 2.86 0.00	52.89 2.80 0.00	54.60 2.90 0.00	53.67 2.89 0.00	44.40 2.27 0.00	36.07 2.17 0.00	33.88 1.96 -3.49
INGHAM_C_115KV_TB7 356103	29.72 0.12 0.00	27.08 0.13 0.00	25.84 0.13 0.00	25.86 0.08 0.00	27.91 0.00 0.00	30.79 -0.03 0.00	38.13 -0.08 0.00	38.43 -0.15 0.00	37.74 -0.19 0.00	35.02 -0.18 0.00	35.43 -0.14 0.00	34.41 -0.14 0.00	33.54 -0.20 0.00	34.39 -0.21 0.00	35.98 -0.18 0.00	37.88 -0.15 0.00	40.77 -0.16 0.00	47.51 -0.19 0.00	49.84 -0.25 0.00	51.40 -0.31 0.00	50.42 -0.36 0.00	41.74 -0.38 0.00	33.59 -0.31 0.00	28.20 -0.23 0.00
IP CORINTH___1 23988	32.57 1.42 -1.55	28.37 1.43 0.00	27.02 1.31 0.00	27.05 1.24 -0.03	29.26 1.14 -0.21	36.69 1.29 -4.57	48.75 1.76 -8.78	46.86 1.81 -6.46	40.16 1.37 -0.86	36.25 1.06 0.00	36.92 1.25 -0.10	35.93 1.24 -0.13	34.86 1.11 0.00	36.23 1.28 -0.36	37.78 1.48 -0.14	39.66 1.64 0.00	43.43 2.01 -0.50	50.18 2.48 0.00	52.89 2.80 0.00	54.76 3.05 0.00	53.77 3.00 0.00	44.40 2.27 0.00	35.76 1.86 0.00	34.70 1.65 -4.63
IP___TICONDEROGA 23804	33.38 2.10 -1.67	29.05 2.10 0.00	27.61 1.90 0.00	27.61 1.80 -0.03	29.87 1.73 -0.23	37.81 2.06 -4.93	50.46 2.79 -9.46	48.32 2.78 -6.95	40.88 2.01 -0.93	36.75 1.55 0.00	37.46 1.78 -0.11	36.53 1.83 -0.14	35.40 1.65 0.00	36.78 1.80 -0.39	38.41 2.10 -0.15	40.39 2.36 0.00	44.45 2.99 -0.53	51.42 3.72 0.00	54.45 4.36 0.00	56.52 4.81 0.00	55.55 4.77 0.00	45.75 3.62 0.00	36.74 2.85 0.00	35.55 2.50 -4.63
ISLIP_RES_REC 323679	49.09 3.61 -15.88	47.26 3.42 -16.89	43.42 3.21 -14.50	30.43 3.07 -1.58	30.91 2.99 -0.02	48.28 3.21 -14.26	49.04 4.17 -6.66	49.96 4.55 -6.82	49.40 4.40 -7.07	50.34 4.01 -11.13	49.72 3.66 -10.48	51.10 3.53 -13.02	56.44 3.44 -19.25	62.84 3.63 -24.62	56.44 3.80 -16.48	56.62 3.99 -14.60	121.56 4.22 -76.42	168.96 4.72 -116.54	184.37 4.96 -129.32	178.64 5.07 -121.86	165.18 5.08 -109.33	119.92 4.08 -73.71	68.97 3.96 -31.10	51.57 3.69 -19.45

JAMAICA__27_KV_LOAD 355505	31.76 2.16 0.00	29.10 2.16 0.00	27.71 2.01 0.00	27.61 1.83 0.00	29.42 1.51 0.00	32.48 1.66 0.00	40.62 2.41 0.00	41.48 2.89 0.00	41.08 3.15 0.00	38.26 3.06 0.00	38.35 2.77 0.00	37.32 2.76 0.00	36.58 2.83 0.00	37.50 2.91 0.00	39.23 3.07 0.00	41.11 3.08 0.00	44.12 3.19 0.00	51.18 3.48 0.00	53.54 3.46 0.00	55.22 3.52 0.00	54.33 3.55 0.00	44.82 2.70 0.00	36.54 2.64 0.00	34.25 2.27 -3.55
JANIS__SOLAR 323808	30.25 0.65 0.00	27.51 0.57 0.00	26.27 0.56 0.00	26.27 0.49 0.00	28.27 0.36 0.00	31.37 0.56 0.00	39.01 0.80 0.00	39.20 0.62 0.00	38.20 0.27 0.00	35.16 -0.04 0.00	35.40 -0.18 0.00	34.17 -0.38 0.00	33.34 -0.40 0.00	34.18 -0.41 0.00	35.83 -0.33 0.00	37.84 -0.19 0.00	40.89 -0.04 0.00	48.17 0.48 0.00	50.84 0.75 0.00	52.80 1.09 0.00	51.84 1.07 0.00	43.09 0.97 0.00	34.58 0.68 0.00	29.79 0.60 -0.77
JARVIS____ 23743	29.75 0.15 0.00	27.11 0.16 0.00	25.86 0.16 0.00	25.91 0.13 0.00	27.96 0.06 0.00	30.88 0.06 0.00	38.29 0.08 0.00	38.66 0.08 0.00	38.01 0.08 0.00	35.23 0.04 0.00	35.61 0.04 0.00	34.59 0.03 0.00	33.75 0.00 0.00	34.63 0.03 0.00	36.20 0.04 0.00	38.07 0.04 0.00	40.97 0.04 0.00	47.79 0.10 0.00	50.14 0.05 0.00	51.76 0.05 0.00	50.82 0.05 0.00	42.12 0.00 0.00	34.00 0.10 0.00	28.57 0.14 0.00
JENNISON____1 23625	31.14 1.54 0.00	28.37 1.43 0.00	27.07 1.36 0.00	27.15 1.37 0.00	29.33 1.42 0.00	32.64 1.82 0.00	40.43 2.22 0.00	40.71 2.12 0.00	40.17 2.24 0.00	36.99 1.80 0.00	37.32 1.74 0.00	36.14 1.59 0.00	35.00 1.25 0.00	35.73 1.14 0.00	37.46 1.30 0.00	39.59 1.56 0.00	42.57 1.64 0.00	49.99 2.29 0.00	52.24 2.15 0.00	54.04 2.33 0.00	53.16 2.39 0.00	44.02 1.90 0.00	35.36 1.46 0.00	30.92 1.11 -1.39
JENNISON____2 23626	31.14 1.54 0.00	28.37 1.43 0.00	27.07 1.36 0.00	27.15 1.37 0.00	29.33 1.42 0.00	32.64 1.82 0.00	40.43 2.22 0.00	40.71 2.12 0.00	40.17 2.24 0.00	36.99 1.80 0.00	37.32 1.74 0.00	36.14 1.59 0.00	35.00 1.25 0.00	35.73 1.14 0.00	37.46 1.30 0.00	39.59 1.56 0.00	42.57 1.64 0.00	49.99 2.29 0.00	52.24 2.15 0.00	54.04 2.33 0.00	53.16 2.39 0.00	44.02 1.90 0.00	35.36 1.46 0.00	30.92 1.11 -1.39
JERICOHO_RISE_WT_PWR 323719	29.60 0.00 0.00	26.79 -0.16 0.00	25.43 -0.28 0.00	25.50 -0.28 0.00	27.77 -0.14 0.00	30.60 -0.21 0.00	37.90 -0.31 0.00	38.47 -0.12 0.00	38.09 0.15 0.00	35.48 0.28 0.00	35.89 0.32 0.00	34.90 0.35 0.00	34.12 0.37 0.00	34.90 0.31 0.00	36.42 0.25 0.00	38.30 0.27 0.00	41.22 0.29 0.00	47.98 0.29 0.00	50.39 0.30 0.00	51.86 0.16 0.00	50.57 -0.20 0.00	41.74 -0.38 0.00	33.29 -0.61 0.00	27.63 -0.80 0.00
KATONAH__115KV_46KV_TB4 355592	31.70 2.10 0.00	29.02 2.07 0.00	27.64 1.93 0.00	27.59 1.80 0.00	29.50 1.59 0.00	32.45 1.63 0.00	40.39 2.18 0.00	41.10 2.51 0.00	40.63 2.69 0.00	37.70 2.50 0.00	37.99 2.42 0.00	36.87 2.32 0.00	36.18 2.43 0.00	37.12 2.53 0.00	38.84 2.68 0.00	40.84 2.81 0.00	43.79 2.87 0.00	50.89 3.20 0.00	53.24 3.16 0.00	54.97 3.26 0.00	54.07 3.30 0.00	44.65 2.53 0.00	36.27 2.37 0.00	34.15 2.13 -3.60
KCE_NY_1 323755	33.27 1.48 -2.20	28.40 1.45 0.00	27.07 1.36 0.00	27.13 1.31 -0.04	29.38 1.17 -0.30	38.60 1.32 -6.46	52.34 1.72 -12.41	49.48 1.78 -9.12	40.60 1.44 -1.23	36.36 1.16 0.00	37.00 1.28 -0.14	36.06 1.31 -0.19	34.96 1.21 0.00	36.45 1.35 -0.51	37.88 1.52 -0.20	39.63 1.60 0.00	43.51 1.88 -0.70	49.99 2.29 0.00	52.64 2.55 0.00	54.40 2.69 0.00	53.46 2.69 0.00	44.19 2.06 0.00	35.69 1.80 0.00	34.66 1.62 -4.61
KCE_NY_6_ESR 323823	28.39 -1.21 0.00	25.54 -1.40 0.00	24.58 -1.13 0.00	24.57 -1.21 0.00	26.18 -1.73 0.00	29.34 -1.48 0.00	35.88 -2.33 0.00	36.00 -2.58 0.00	35.47 -2.47 0.00	32.63 -2.57 0.00	32.87 -2.71 0.00	31.62 -2.94 0.00	30.64 -3.10 0.00	31.48 -3.11 0.00	32.91 -3.25 0.00	34.57 -3.46 0.00	37.12 -3.81 0.00	43.40 -4.29 0.00	45.83 -4.26 0.00	47.57 -4.14 0.00	46.71 -4.06 0.00	39.22 -2.91 0.00	31.80 -2.10 0.00	27.24 -1.79 -0.60
KEDC_PORT_JEFF_GT2 24210	49.36 3.88 -15.88	47.48 3.64 -16.89	43.60 3.39 -14.50	30.61 3.25 -1.58	31.11 3.18 -0.02	48.50 3.42 -14.26	49.30 4.43 -6.66	50.23 4.82 -6.82	49.40 4.44 -7.03	50.31 4.05 -11.07	49.70 3.70 -10.43	51.08 3.56 -12.97	56.84 3.51 -19.58	63.88 3.70 -25.59	56.84 3.87 -16.81	56.84 4.07 -14.74	129.36 4.34 -84.10	181.78 4.91 -129.17	198.58 5.16 -143.33	192.05 5.28 -135.06	177.23 5.28 -121.18	127.77 4.25 -81.39	71.61 4.10 -33.62	52.57 3.95 -20.20
KEDC_PORT_JEFF_GT3 24211	49.36 3.88 -15.88	47.48 3.64 -16.89	43.60 3.39 -14.50	30.61 3.25 -1.58	31.11 3.18 -0.02	48.50 3.42 -14.26	49.30 4.43 -6.66	50.23 4.82 -6.82	49.40 4.44 -7.03	50.31 4.05 -11.07	49.70 3.70 -10.43	51.08 3.56 -12.97	56.84 3.51 -19.58	63.88 3.70 -25.59	56.84 3.87 -16.81	56.84 4.07 -14.74	129.36 4.34 -84.10	181.78 4.91 -129.17	198.58 5.16 -143.33	192.05 5.28 -135.06	177.23 5.28 -121.18	127.77 4.25 -81.39	71.61 4.10 -33.62	52.57 3.95 -20.20
KEDC_GLWD_GT4 24219	48.09 2.61 -15.88	46.37 2.53 -16.89	42.60 2.39 -14.50	29.58 2.22 -1.58	30.02 2.09 -0.02	47.20 2.12 -14.26	47.66 2.79 -6.66	48.64 3.16 -6.89	53.35 3.30 -12.12	57.34 3.06 -19.08	56.15 2.67 -17.91	59.33 2.70 -22.08	62.82 2.70 -26.37	62.96 2.77 -25.60	60.98 2.89 -21.93	62.81 3.04 -21.74	53.19 3.15 -9.11	51.19 3.48 -0.02	53.61 3.50 -0.02	55.24 3.52 -0.02	54.34 3.55 -0.02	49.65 2.95 -4.58	49.65 2.85 -12.91	49.19 2.56 -18.21
KEDC_GLWD_GT5 24220	48.09 2.61 -15.88	46.37 2.53 -16.89	42.60 2.39 -14.50	29.58 2.22 -1.58	30.02 2.09 -0.02	47.20 2.12 -14.26	47.66 2.79 -6.66	48.64 3.16 -6.89	53.35 3.30 -12.12	57.34 3.06 -19.08	56.15 2.67 -17.91	59.33 2.70 -22.08	62.82 2.70 -26.37	62.96 2.77 -25.60	60.98 2.89 -21.93	62.81 3.04 -21.74	53.19 3.15 -9.11	51.19 3.48 -0.02	53.61 3.50 -0.02	55.24 3.52 -0.02	54.34 3.55 -0.02	49.65 2.95 -4.58	49.65 2.85 -12.91	49.19 2.56 -18.21
KENSICO____ 23655	31.70 2.10 0.00	29.02 2.07 0.00	27.66 1.95 0.00	27.59 1.80 0.00	29.47 1.56 0.00	32.45 1.63 0.00	40.39 2.18 0.00	41.10 2.51 0.00	40.59 2.66 0.00	37.73 2.53 0.00	37.96 2.38 0.00	36.90 2.35 0.00	36.18 2.43 0.00	37.08 2.49 0.00	38.76 2.60 0.00	40.77 2.74 0.00	43.75 2.82 0.00	50.80 3.10 0.00	53.19 3.11 0.00	54.86 3.15 0.00	53.92 3.15 0.00	44.61 2.49 0.00	36.24 2.34 0.00	34.07 2.10 -3.54
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	31.50 2.07 0.17	28.99 2.05 0.00	27.61 1.90 0.00	27.53 1.75 0.00	29.42 1.53 0.02	31.99 1.66 0.50	39.47 2.22 0.95	40.40 2.51 0.70	40.47 2.54 0.00	37.55 2.36 0.00	37.74 2.17 0.00	36.63 2.07 0.00	35.94 2.19 0.00	36.81 2.21 0.00	38.51 2.35 0.00	40.58 2.55 0.00	43.59 2.66 0.00	50.80 3.10 0.00	53.19 3.11 0.00	55.02 3.31 0.00	54.07 3.30 0.00	44.73 2.61 0.00	36.20 2.31 0.00	33.84 2.05 -3.37

KIAC_JFK_GT1 23816	31.61 2.01 0.00	28.97 2.02 0.00	27.59 1.88 0.00	27.46 1.68 0.00	29.28 1.37 0.00	32.33 1.51 0.00	40.39 2.18 0.00	41.29 2.70 0.00	40.85 2.92 0.00	38.05 2.85 0.00	38.14 2.56 0.00	37.14 2.59 0.00	36.41 2.67 0.00	37.33 2.73 0.00	39.02 2.86 0.00	40.77 2.74 0.00	43.71 2.78 0.00	50.70 3.00 0.00	53.09 3.01 0.00	54.76 3.05 0.00	53.87 3.10 0.00	44.44 2.32 0.00	36.37 2.47 0.00	34.11 2.13 -3.55
KIAC_JFK_GT2 23817	31.61 2.01 0.00	28.97 2.02 0.00	27.59 1.88 0.00	27.46 1.68 0.00	29.28 1.37 0.00	32.33 1.51 0.00	40.39 2.18 0.00	41.29 2.70 0.00	40.85 2.92 0.00	38.05 2.85 0.00	38.14 2.56 0.00	37.14 2.59 0.00	36.41 2.67 0.00	37.33 2.73 0.00	39.02 2.86 0.00	40.77 2.74 0.00	43.71 2.78 0.00	50.70 3.00 0.00	53.09 3.01 0.00	54.76 3.05 0.00	53.87 3.10 0.00	44.44 2.32 0.00	36.37 2.47 0.00	34.11 2.13 -3.55
KIAC_JFK____ 323774	31.61 2.01 0.00	28.97 2.02 0.00	27.58 1.88 0.00	27.46 1.67 0.00	29.39 1.48 0.00	32.33 1.51 0.00	40.39 2.18 0.00	41.29 2.70 0.00	40.85 2.92 0.00	38.05 2.85 0.00	38.14 2.56 0.00	37.21 2.66 0.00	36.41 2.67 0.00	37.33 2.73 0.00	39.02 2.86 0.00	40.77 2.74 0.00	43.71 2.78 0.00	50.70 3.01 0.00	53.09 3.01 0.00	54.76 3.05 0.00	53.87 3.10 0.00	44.48 2.36 0.00	36.37 2.47 0.00	34.11 2.13 -3.55
KINTIGH__24_KV_GSU 356498	28.09 -1.51 0.00	25.33 -1.62 0.00	24.30 -1.41 0.00	24.29 -1.50 0.00	25.98 -1.93 0.00	29.03 -1.79 0.00	35.53 -2.67 0.00	35.58 -3.01 0.00	35.05 -2.88 0.00	32.35 -2.85 0.00	32.66 -2.92 0.00	31.62 -2.94 0.00	30.68 -3.07 0.00	31.41 -3.18 0.00	32.83 -3.33 0.00	34.49 -3.54 0.00	36.96 -3.97 0.00	43.26 -4.44 0.00	45.63 -4.46 0.00	47.36 -4.34 0.00	46.56 -4.21 0.00	39.22 -2.91 0.00	31.66 -2.24 0.00	27.56 -1.36 -0.49
KINTIGH____ 23543	28.09 -1.51 0.00	25.33 -1.62 0.00	24.30 -1.41 0.00	24.29 -1.50 0.00	25.98 -1.93 0.00	29.03 -1.79 0.00	35.53 -2.67 0.00	35.58 -3.01 0.00	35.05 -2.88 0.00	32.35 -2.85 0.00	32.66 -2.92 0.00	31.62 -2.94 0.00	30.68 -3.07 0.00	31.41 -3.18 0.00	32.83 -3.33 0.00	34.49 -3.54 0.00	36.96 -3.97 0.00	43.26 -4.44 0.00	45.63 -4.46 0.00	47.36 -4.34 0.00	46.56 -4.21 0.00	39.22 -2.91 0.00	31.66 -2.24 0.00	27.56 -1.36 -0.49
KNTFSRNC_46_KV_46KV_LOAD 80397	30.25 0.65 0.00	27.27 0.32 0.00	25.86 0.15 0.00	25.88 0.10 0.00	28.13 0.22 0.00	30.97 0.15 0.00	38.40 0.19 0.00	39.05 0.46 0.00	38.77 0.83 0.00	36.11 0.92 0.00	36.53 0.96 0.00	35.49 0.93 0.00	34.73 0.98 0.00	35.56 0.97 0.00	37.07 0.90 0.00	38.94 0.91 0.00	41.91 0.98 0.00	48.89 1.19 0.00	51.34 1.25 0.00	52.79 1.09 0.00	51.38 0.61 0.00	42.29 0.17 0.00	33.73 -0.17 0.00	27.97 -0.45 0.00
LACHUTE____HYDRO 323717	33.38 2.10 -1.67	29.05 2.10 0.00	27.61 1.90 0.00	27.61 1.80 -0.03	29.84 1.70 -0.23	37.81 2.07 -4.93	50.46 2.79 -9.46	48.32 2.78 -6.95	40.87 2.01 -0.93	36.74 1.55 0.00	37.46 1.78 -0.11	36.53 1.83 -0.14	35.40 1.65 0.00	36.78 1.80 -0.39	38.41 2.10 -0.15	40.39 2.36 0.00	44.45 2.99 -0.53	51.42 3.72 0.00	54.44 4.36 0.00	56.52 4.81 0.00	55.55 4.77 0.00	45.75 3.62 0.00	36.75 2.85 0.00	35.55 2.50 -4.63
LAWRNCALV_115KV_TB1 80681	28.56 -1.04 0.00	25.84 -1.10 0.00	24.60 -1.11 0.00	24.80 -0.98 0.00	27.21 -0.70 0.00	30.29 -0.52 0.00	37.52 -0.69 0.00	37.97 -0.62 0.00	37.48 -0.46 0.00	34.77 -0.42 0.00	35.15 -0.43 0.00	34.14 -0.41 0.00	33.38 -0.37 0.00	34.07 -0.52 0.00	35.58 -0.58 0.00	37.50 -0.53 0.00	40.40 -0.53 0.00	46.79 -0.91 0.00	49.19 -0.90 0.00	50.73 -0.98 0.00	49.71 -1.07 0.00	41.45 -0.67 0.00	32.85 -1.05 0.00	27.15 -1.28 0.00
LEDERLE____ 23769	31.61 2.01 0.00	28.94 1.99 0.00	27.56 1.85 0.00	27.51 1.73 0.00	29.39 1.48 0.00	32.39 1.57 0.00	40.31 2.10 0.00	41.02 2.43 0.00	40.51 2.58 0.00	37.63 2.43 0.00	37.85 2.28 0.00	36.80 2.25 0.00	36.08 2.33 0.00	36.98 2.39 0.00	38.69 2.53 0.00	40.69 2.66 0.00	43.67 2.74 0.00	50.75 3.05 0.00	53.14 3.06 0.00	54.81 3.10 0.00	53.92 3.15 0.00	44.57 2.44 0.00	36.17 2.27 0.00	33.85 2.02 -3.41
LIGHTHSE_115KV_TB6 355974	29.24 -0.36 0.00	26.54 -0.40 0.00	25.32 -0.39 0.00	25.37 -0.41 0.00	27.43 -0.47 0.00	30.39 -0.43 0.00	37.60 -0.61 0.00	37.82 -0.77 0.00	37.14 -0.80 0.00	34.35 -0.84 0.00	34.83 -0.75 0.00	33.72 -0.83 0.00	32.80 -0.94 0.00	33.59 -1.00 0.00	35.15 -1.01 0.00	37.12 -0.91 0.00	39.86 -1.06 0.00	46.69 -1.00 0.00	49.04 -1.05 0.00	50.78 -0.93 0.00	49.91 -0.86 0.00	41.49 -0.63 0.00	33.39 -0.51 0.00	28.30 -0.37 -0.25
LINDEN COGEN____ 23786	25.72 2.16 6.04	25.48 2.13 3.59	24.35 1.98 3.34	27.58 1.80 0.00	29.50 1.59 0.00	32.39 1.57 0.00	40.38 2.18 0.00	41.13 2.55 0.00	40.70 2.77 0.00	37.87 2.67 0.00	38.06 2.49 0.01	36.08 2.59 1.06	34.72 2.60 1.63	31.15 2.66 6.11	37.16 2.75 1.75	39.43 2.85 1.46	42.59 2.86 1.21	50.73 3.10 0.06	53.14 3.06 0.01	54.73 3.10 0.08	51.09 3.10 2.78	43.76 2.53 0.89	34.55 2.41 1.76	32.29 2.19 -1.67
LINDHRST_69_KV_BK1 356055	48.62 3.14 -15.88	46.86 3.02 -16.89	43.06 2.85 -14.50	30.05 2.68 -1.58	30.44 2.51 -0.02	47.79 2.71 -14.26	48.39 3.52 -6.66	49.28 3.86 -6.83	49.64 3.87 -7.84	51.10 3.55 -12.35	50.16 2.99 -11.60	51.73 2.87 -14.31	54.11 2.87 -17.50	55.24 3.01 -17.63	53.90 3.15 -14.60	55.66 3.35 -14.28	58.11 3.48 -13.71	64.27 3.77 -12.81	68.21 3.91 -14.21	69.13 4.03 -13.39	66.85 4.06 -12.02	56.18 3.29 -10.77	48.16 3.32 -10.94	45.37 3.10 -13.84
LIPA_MISC_IPP 23656	48.98 3.49 -15.88	47.15 3.31 -16.89	43.32 3.11 -14.50	30.33 2.96 -1.58	30.74 2.82 -0.02	48.16 3.08 -14.26	48.85 3.97 -6.66	49.77 4.36 -6.82	49.17 4.25 -6.99	50.07 3.87 -11.01	49.37 3.42 -10.38	50.72 3.25 -12.92	56.97 3.21 -20.01	64.81 3.42 -26.79	56.97 3.58 -17.23	56.72 3.76 -14.93	138.42 3.97 -93.52	196.79 4.44 -144.66	215.27 4.66 -160.52	207.72 4.76 -151.26	191.31 4.82 -135.71	136.82 3.88 -90.82	74.44 3.83 -36.71	53.08 3.52 -21.13
LISF____SOLAR 323691	49.03 3.55 -15.88	47.21 3.37 -16.89	43.37 3.16 -14.50	30.38 3.02 -1.58	30.85 2.93 -0.02	48.22 3.15 -14.26	48.96 4.09 -6.66	49.85 4.44 -6.82	49.25 4.32 -7.00	50.16 3.94 -11.02	49.49 3.52 -10.39	50.87 3.39 -12.93	56.99 3.34 -19.91	64.57 3.49 -26.49	56.90 3.62 -17.12	56.75 3.84 -14.88	136.11 4.05 -91.13	193.01 4.58 -140.74	211.07 4.81 -156.17	203.78 4.91 -147.16	187.78 4.98 -132.03	134.56 4.00 -88.43	73.75 3.93 -35.93	52.96 3.64 -20.89
LITTLE FALLS____HYD 24013	29.72 0.12 0.00	27.08 0.13 0.00	25.84 0.13 0.00	25.86 0.08 0.00	27.91 0.00 0.00	30.79 -0.03 0.00	38.13 -0.08 0.00	38.43 -0.15 0.00	37.74 -0.19 0.00	35.02 -0.18 0.00	35.43 -0.14 0.00	34.41 -0.14 0.00	33.54 -0.20 0.00	34.39 -0.21 0.00	35.98 -0.18 0.00	37.88 -0.15 0.00	40.77 -0.16 0.00	47.51 -0.19 0.00	49.84 -0.25 0.00	51.40 -0.31 0.00	50.42 -0.36 0.00	41.74 -0.38 0.00	33.59 -0.31 0.00	28.20 -0.23 0.00

LITTLRIV_115KV_TB1 356100	28.83 -0.77 0.00	26.08 -0.86 0.00	24.84 -0.87 0.00	25.03 -0.75 0.00	27.52 -0.39 0.00	30.66 -0.15 0.00	37.98 -0.23 0.00	38.39 -0.19 0.00	37.86 -0.08 0.00	35.02 -0.18 0.00	35.40 -0.18 0.00	34.38 -0.17 0.00	33.58 -0.17 0.00	34.28 -0.31 0.00	35.84 -0.33 0.00	37.80 -0.23 0.00	40.72 -0.20 0.00	47.31 -0.38 0.00	49.79 -0.30 0.00	51.40 -0.31 0.00	50.47 -0.30 0.00	42.00 -0.13 0.00	33.25 -0.64 0.00	27.43 -0.99 0.00
LI_NEWBRDGE___DRP 323616	48.21 2.72 -15.88	46.48 2.64 -16.89	42.70 2.49 -14.50	29.71 2.35 -1.58	30.07 2.15 -0.02	47.36 2.28 -14.26	47.81 2.94 -6.66	48.68 3.28 -6.82	47.78 3.34 -6.51	48.54 3.10 -10.25	47.75 2.56 -9.62	48.90 2.49 -11.86	50.44 2.53 -14.17	50.94 2.59 -13.75	50.69 2.75 -11.78	52.56 2.85 -11.68	48.81 2.99 -4.89	51.00 3.29 -0.01	53.50 3.41 -0.01	55.13 3.41 -0.01	54.29 3.50 -0.01	47.28 2.70 -2.46	43.61 2.78 -6.93	42.44 2.59 -11.42
LOCKPORT_115KV_TB60_63_64 80432	27.85 -1.75 0.00	25.06 -1.89 0.00	24.09 -1.62 0.00	24.08 -1.70 0.00	25.68 -2.23 0.00	28.69 -2.13 0.00	35.00 -3.21 0.00	35.08 -3.51 0.00	34.56 -3.38 0.00	31.82 -3.38 0.00	32.09 -3.49 0.00	31.03 -3.52 0.00	30.03 -3.71 0.00	30.75 -3.84 0.00	32.11 -4.05 0.00	33.77 -4.26 0.00	36.22 -4.71 0.00	42.40 -5.29 0.00	44.83 -5.26 0.00	46.59 -5.12 0.00	45.75 -5.03 0.00	38.63 -3.50 0.00	31.22 -2.68 0.00	26.92 -2.05 -0.54
LOCKPORT___CC1 323769	27.88 -1.72 0.00	25.09 -1.86 0.00	24.12 -1.59 0.00	24.11 -1.68 0.00	25.70 -2.21 0.00	28.72 -2.10 0.00	35.04 -3.17 0.00	35.11 -3.47 0.00	34.59 -3.34 0.00	31.85 -3.34 0.00	32.09 -3.48 0.00	30.82 -3.73 0.00	29.97 -3.78 0.00	30.75 -3.84 0.00	32.15 -4.02 0.00	33.77 -4.26 0.00	36.22 -4.71 0.00	42.40 -5.30 0.00	44.83 -5.26 0.00	46.59 -5.12 0.00	45.75 -5.03 0.00	38.46 -3.67 0.00	31.22 -2.68 0.00	26.95 -2.02 -0.55
LOCKPORT___CC2 323770	27.88 -1.72 0.00	25.09 -1.86 0.00	24.12 -1.59 0.00	24.11 -1.68 0.00	25.70 -2.21 0.00	28.72 -2.10 0.00	35.04 -3.17 0.00	35.11 -3.47 0.00	34.59 -3.34 0.00	31.85 -3.34 0.00	32.09 -3.48 0.00	30.82 -3.73 0.00	29.97 -3.78 0.00	30.75 -3.84 0.00	32.15 -4.02 0.00	33.77 -4.26 0.00	36.22 -4.71 0.00	42.40 -5.30 0.00	44.83 -5.26 0.00	46.59 -5.12 0.00	45.75 -5.03 0.00	38.46 -3.67 0.00	31.22 -2.68 0.00	26.95 -2.02 -0.55
LOCKPORT___CC3 323771	27.88 -1.72 0.00	25.09 -1.86 0.00	24.12 -1.59 0.00	24.11 -1.68 0.00	25.70 -2.21 0.00	28.72 -2.10 0.00	35.04 -3.17 0.00	35.11 -3.47 0.00	34.59 -3.34 0.00	31.85 -3.34 0.00	32.09 -3.48 0.00	30.82 -3.73 0.00	29.97 -3.78 0.00	30.75 -3.84 0.00	32.15 -4.02 0.00	33.77 -4.26 0.00	36.22 -4.71 0.00	42.40 -5.30 0.00	44.83 -5.26 0.00	46.59 -5.12 0.00	45.75 -5.03 0.00	38.46 -3.67 0.00	31.22 -2.68 0.00	26.95 -2.02 -0.55
LOCUSVLY_69_KV_BK2 55797	48.29 2.81 -15.88	46.56 2.72 -16.89	42.78 2.57 -14.50	29.76 2.40 -1.58	30.13 2.20 -0.02	47.42 2.34 -14.26	47.93 3.06 -6.66	48.85 3.40 -6.87	52.21 3.53 -10.75	55.43 3.31 -16.92	54.23 2.77 -15.88	56.90 2.76 -19.58	59.97 2.83 -23.39	60.17 2.87 -22.70	58.64 3.04 -19.44	60.46 3.16 -19.28	52.28 3.27 -8.08	51.29 3.58 -0.01	53.76 3.66 -0.01	55.39 3.67 -0.01	54.49 3.71 -0.01	49.13 2.95 -4.06	48.26 2.92 -11.45	47.62 2.64 -16.55
LONG_LAKE_PHOENIX 24014	29.01 -0.59 0.00	26.41 -0.54 0.00	25.20 -0.51 0.00	25.21 -0.57 0.00	27.18 -0.73 0.00	30.11 -0.71 0.00	37.33 -0.88 0.00	37.55 -1.04 0.00	36.87 -1.06 0.00	34.21 -0.99 0.00	34.61 -0.96 0.00	33.59 -0.97 0.00	32.77 -0.98 0.00	33.62 -0.97 0.00	35.18 -0.98 0.00	37.00 -1.03 0.00	39.78 -1.15 0.00	46.46 -1.24 0.00	48.79 -1.30 0.00	50.36 -1.34 0.00	49.45 -1.32 0.00	41.11 -1.01 0.00	33.08 -0.81 0.00	28.21 -0.48 -0.27
LOVETT___3 23632	31.52 1.92 0.00	28.86 1.91 0.00	27.48 1.77 0.00	27.43 1.65 0.00	29.30 1.40 0.00	32.30 1.48 0.00	40.16 1.95 0.00	40.86 2.28 0.00	40.36 2.43 0.00	37.48 2.29 0.00	37.71 2.13 0.00	36.70 2.14 0.00	35.94 2.19 0.00	36.84 2.25 0.00	38.55 2.39 0.00	40.54 2.51 0.00	43.51 2.58 0.00	50.51 2.81 0.00	52.89 2.80 0.00	54.55 2.84 0.00	53.67 2.89 0.00	44.36 2.23 0.00	36.03 2.14 0.00	33.79 1.93 -3.43
LOVETT___4 23642	31.52 1.92 0.00	28.86 1.91 0.00	27.48 1.77 0.00	27.43 1.65 0.00	29.30 1.40 0.00	32.30 1.48 0.00	40.16 1.95 0.00	40.86 2.28 0.00	40.36 2.43 0.00	37.48 2.29 0.00	37.71 2.13 0.00	36.70 2.14 0.00	35.94 2.19 0.00	36.84 2.25 0.00	38.55 2.39 0.00	40.54 2.51 0.00	43.51 2.58 0.00	50.51 2.81 0.00	52.89 2.80 0.00	54.55 2.84 0.00	53.67 2.89 0.00	44.36 2.23 0.00	36.03 2.14 0.00	33.79 1.93 -3.43
LOVETT___5 23593	31.52 1.92 0.00	28.86 1.91 0.00	27.48 1.77 0.00	27.43 1.65 0.00	29.30 1.40 0.00	32.30 1.48 0.00	40.16 1.95 0.00	40.86 2.28 0.00	40.36 2.43 0.00	37.48 2.29 0.00	37.71 2.13 0.00	36.70 2.14 0.00	35.94 2.19 0.00	36.84 2.25 0.00	38.55 2.39 0.00	40.54 2.51 0.00	43.51 2.58 0.00	50.51 2.81 0.00	52.89 2.80 0.00	54.55 2.84 0.00	53.67 2.89 0.00	44.36 2.23 0.00	36.03 2.14 0.00	33.79 1.93 -3.43
LOWER RAQUET___HYD 24057	28.42 -1.18 0.00	25.71 -1.24 0.00	24.45 -1.26 0.00	24.65 -1.13 0.00	27.04 -0.87 0.00	30.11 -0.71 0.00	37.29 -0.92 0.00	37.78 -0.81 0.00	37.29 -0.65 0.00	34.56 -0.63 0.00	34.94 -0.64 0.00	33.93 -0.62 0.00	33.14 -0.61 0.00	33.87 -0.73 0.00	35.37 -0.80 0.00	37.27 -0.76 0.00	40.15 -0.78 0.00	46.51 -1.19 0.00	48.94 -1.15 0.00	50.47 -1.24 0.00	49.45 -1.32 0.00	41.24 -0.89 0.00	32.64 -1.25 0.00	26.98 -1.45 0.00
LOWER___HUDSON 24059	35.70 1.21 -4.89	28.16 1.21 0.00	26.84 1.13 0.00	26.95 1.08 -0.08	29.46 0.89 -0.66	46.21 1.02 -14.38	67.15 1.34 -27.61	60.31 1.43 -20.30	41.77 1.10 -2.74	36.04 0.84 0.00	36.89 0.99 -0.32	36.01 1.04 -0.42	34.69 0.94 0.00	36.84 1.11 -1.14	37.76 1.16 -0.44	39.17 1.14 0.00	43.84 1.35 -1.57	49.27 1.57 0.00	51.89 1.80 0.00	53.57 1.86 0.00	52.65 1.88 0.00	43.56 1.43 0.00	35.25 1.36 0.00	34.24 1.25 -4.56
LOWVILLE_115KV_TB2 356335	29.48 -0.12 0.00	26.62 -0.32 0.00	25.32 -0.39 0.00	25.45 -0.34 0.00	27.63 -0.28 0.00	30.73 -0.09 0.00	38.06 -0.15 0.00	38.36 -0.23 0.00	37.97 0.04 0.00	34.77 -0.42 0.00	35.11 -0.46 0.00	33.97 -0.59 0.00	32.97 -0.78 0.00	33.66 -0.93 0.00	35.29 -0.87 0.00	37.34 -0.68 0.00	40.23 -0.70 0.00	47.17 -0.52 0.00	49.39 -0.70 0.00	51.14 -0.57 0.00	50.32 -0.46 0.00	41.70 -0.42 0.00	33.36 -0.54 0.00	27.98 -0.57 -0.12
LUTHERFT_115KV_GLOB_FND_222 355753	33.28 1.48 -2.20	28.40 1.46 0.00	27.07 1.36 0.00	27.11 1.29 -0.04	29.41 1.20 -0.30	38.61 1.33 -6.46	52.34 1.72 -12.41	49.45 1.74 -9.12	40.56 1.40 -1.23	36.32 1.13 0.00	37.00 1.28 -0.14	36.02 1.28 -0.19	34.93 1.18 0.00	36.45 1.35 -0.51	37.84 1.48 -0.20	39.63 1.60 0.00	43.51 1.88 -0.70	49.94 2.24 0.00	52.59 2.50 0.00	54.35 2.64 0.00	53.41 2.64 0.00	44.14 2.02 0.00	35.66 1.76 0.00	34.63 1.59 -4.61

LUTHERNY_35_KV_BK2 355980	33.28 1.48 -2.20	28.40 1.46 0.00	27.07 1.36 0.00	27.13 1.31 -0.04	29.41 1.20 -0.30	38.61 1.33 -6.46	52.34 1.72 -12.41	49.48 1.78 -9.12	40.60 1.44 -1.23	36.36 1.16 0.00	37.00 1.28 -0.14	36.06 1.31 -0.19	34.93 1.18 0.00	36.45 1.35 -0.51	37.88 1.52 -0.20	39.63 1.60 0.00	43.51 1.88 -0.70	49.99 2.29 0.00	52.64 2.55 0.00	54.40 2.69 0.00	53.46 2.69 0.00	44.19 2.06 0.00	35.69 1.80 0.00	34.66 1.62 -4.61
LWR___OSWEGATCHIE_HYD 23850	28.59 -1.01 0.00	25.84 -1.10 0.00	24.60 -1.11 0.00	24.75 -1.03 0.00	27.02 -0.89 0.00	30.08 -0.74 0.00	37.25 -0.96 0.00	37.62 -0.96 0.00	37.17 -0.76 0.00	34.25 -0.95 0.00	34.58 -1.00 0.00	33.52 -1.04 0.00	32.67 -1.08 0.00	33.35 -1.25 0.00	34.90 -1.27 0.00	36.85 -1.18 0.00	39.74 -1.19 0.00	46.31 -1.38 0.00	48.64 -1.45 0.00	50.31 -1.40 0.00	49.40 -1.37 0.00	41.03 -1.10 0.00	32.64 -1.25 0.00	27.21 -1.31 -0.09
LYONS_FALL_HYD 23570	29.75 0.15 0.00	26.92 -0.03 0.00	25.66 -0.05 0.00	25.73 -0.05 0.00	27.88 -0.03 0.00	30.97 0.15 0.00	38.40 0.19 0.00	38.70 0.12 0.00	38.23 0.30 0.00	35.16 -0.04 0.00	35.50 -0.07 0.00	34.38 -0.17 0.00	33.41 -0.34 0.00	34.18 -0.41 0.00	35.83 -0.33 0.00	37.84 -0.19 0.00	40.77 -0.16 0.00	47.74 0.05 0.00	49.99 -0.10 0.00	51.76 0.05 0.00	50.88 0.10 0.00	42.12 0.00 0.00	33.80 -0.10 0.00	28.40 -0.14 -0.12
MADISON___COUNTY_LFGE 323628	30.22 0.62 0.00	27.51 0.57 0.00	26.22 0.51 0.00	26.27 0.49 0.00	28.38 0.47 0.00	31.47 0.65 0.00	39.01 0.80 0.00	39.32 0.73 0.00	38.69 0.76 0.00	35.76 0.56 0.00	36.18 0.60 0.00	35.04 0.48 0.00	34.12 0.37 0.00	34.94 0.35 0.00	36.63 0.47 0.00	38.64 0.61 0.00	41.58 0.65 0.00	48.70 1.00 0.00	51.09 1.00 0.00	52.79 1.09 0.00	51.89 1.12 0.00	43.01 0.88 0.00	34.58 0.68 0.00	29.23 0.60 -0.21
MALONE___115KV_TB1 356076	29.57 -0.03 0.00	26.73 -0.22 0.00	25.37 -0.33 0.00	25.47 -0.31 0.00	27.80 -0.11 0.00	30.70 -0.12 0.00	38.06 -0.15 0.00	38.66 0.08 0.00	38.31 0.38 0.00	35.62 0.42 0.00	36.00 0.43 0.00	34.97 0.41 0.00	34.22 0.47 0.00	35.01 0.42 0.00	36.52 0.36 0.00	38.41 0.38 0.00	41.38 0.45 0.00	48.17 0.48 0.00	50.64 0.55 0.00	52.12 0.41 0.00	50.82 0.05 0.00	42.00 -0.13 0.00	33.42 -0.47 0.00	27.66 -0.77 0.00
MAPLEWOD_115KV_TB3 80458	28.27 0.98 2.30	27.94 1.00 0.00	26.63 0.93 0.00	26.62 0.88 0.04	28.32 0.73 0.31	24.78 0.74 6.78	26.18 0.99 13.02	30.10 1.08 9.57	37.42 0.80 1.31	35.87 0.67 0.00	36.17 0.75 0.15	35.14 0.79 0.20	34.49 0.74 0.00	34.95 0.90 0.55	36.92 0.98 0.21	38.98 0.95 0.00	41.24 1.06 0.75	48.98 1.29 0.00	51.49 1.40 0.00	53.16 1.45 0.00	52.25 1.47 0.00	43.22 1.10 0.00	35.05 1.15 0.00	34.02 1.08 -4.51
MAPLE_RIDGE_WT_1 323574	29.54 -0.06 0.00	26.81 -0.13 0.00	25.50 -0.21 0.00	25.55 -0.23 0.00	27.60 -0.31 0.00	30.42 -0.40 0.00	37.67 -0.53 0.00	38.13 -0.46 0.00	37.59 -0.34 0.00	35.02 -0.18 0.00	35.47 -0.11 0.00	34.42 -0.14 0.00	33.55 -0.20 0.00	34.32 -0.28 0.00	35.80 -0.36 0.00	37.61 -0.42 0.00	40.48 -0.45 0.00	47.13 -0.57 0.00	49.44 -0.65 0.00	50.93 -0.77 0.00	49.76 -1.02 0.00	41.07 -1.05 0.00	32.95 -0.95 0.00	27.57 -0.85 0.00
MAPLE_RIDGE_WT_2 323611	29.54 -0.06 0.00	26.81 -0.13 0.00	25.50 -0.21 0.00	25.55 -0.23 0.00	27.60 -0.31 0.00	30.42 -0.40 0.00	37.67 -0.53 0.00	38.13 -0.46 0.00	37.59 -0.34 0.00	35.02 -0.18 0.00	35.47 -0.11 0.00	34.42 -0.14 0.00	33.55 -0.20 0.00	34.32 -0.28 0.00	35.80 -0.36 0.00	37.61 -0.42 0.00	40.48 -0.45 0.00	47.13 -0.57 0.00	49.44 -0.65 0.00	50.93 -0.77 0.00	49.76 -1.02 0.00	41.07 -1.05 0.00	32.95 -0.95 0.00	27.57 -0.85 0.00
MARBLE_RIVER_WT_PWR 323696	30.22 0.62 0.00	27.22 0.27 0.00	25.76 0.05 0.00	25.76 -0.03 0.00	27.94 0.03 0.00	30.70 -0.12 0.00	38.06 -0.15 0.00	38.74 0.15 0.00	38.54 0.61 0.00	35.97 0.77 0.00	36.39 0.82 0.00	35.35 0.80 0.00	34.62 0.88 0.00	35.46 0.87 0.00	36.99 0.83 0.00	38.83 0.80 0.00	41.70 0.78 0.00	48.60 0.90 0.00	50.94 0.85 0.00	52.33 0.62 0.00	50.93 0.15 0.00	41.95 -0.17 0.00	33.46 -0.44 0.00	27.77 -0.65 0.00
MARSHVLE_115KV_TB1 80742	31.70 1.86 -0.24	28.72 1.78 0.00	27.38 1.67 0.00	27.41 1.62 0.00	29.53 1.59 -0.03	33.39 1.88 -0.69	41.91 2.37 -1.33	41.73 2.16 -0.98	39.73 1.67 -0.13	36.50 1.30 0.00	37.05 1.46 -0.01	35.95 1.38 -0.02	35.03 1.28 0.00	36.06 1.42 -0.05	37.88 1.70 -0.02	39.97 1.94 0.00	43.33 2.33 -0.07	50.75 3.05 0.00	53.59 3.51 0.00	55.59 3.88 0.00	54.63 3.86 0.00	45.11 2.99 0.00	36.27 2.37 0.00	35.68 2.05 -5.21
MARSH_HILL_WT_PWR 323713	28.98 -0.62 0.00	26.25 -0.70 0.00	25.17 -0.54 0.00	25.16 -0.62 0.00	26.93 -0.98 0.00	30.11 -0.71 0.00	37.18 -1.03 0.00	37.35 -1.24 0.00	36.53 -1.40 0.00	33.51 -1.69 0.00	33.76 -1.81 0.00	32.41 -2.14 0.00	31.35 -2.40 0.00	32.07 -2.52 0.00	33.52 -2.64 0.00	35.25 -2.77 0.00	37.98 -2.95 0.00	44.60 -3.10 0.00	46.83 -3.25 0.00	48.45 -3.26 0.00	47.47 -3.30 0.00	39.68 -2.44 0.00	31.86 -2.03 0.00	27.36 -1.82 -0.75
MCINTYRE_115KV_TB2 80467	29.16 -0.44 0.00	26.38 -0.57 0.00	25.09 -0.62 0.00	25.34 -0.44 0.00	27.88 -0.03 0.00	31.07 0.25 0.00	38.44 0.23 0.00	38.82 0.23 0.00	38.24 0.30 0.00	35.34 0.14 0.00	35.68 0.11 0.00	34.69 0.14 0.00	33.85 0.10 0.00	34.59 0.00 0.00	36.12 -0.04 0.00	38.10 0.08 0.00	41.13 0.20 0.00	47.79 0.10 0.00	50.39 0.30 0.00	52.07 0.36 0.00	51.13 0.36 0.00	42.59 0.46 0.00	33.69 -0.20 0.00	27.77 -0.65 0.00
MECO_____69_KV_BK1 80468	32.02 2.16 -0.26	29.02 2.07 0.00	27.64 1.93 0.00	27.64 1.86 0.00	29.79 1.84 -0.03	33.73 2.16 -0.75	42.41 2.75 -1.45	42.31 2.66 -1.06	40.12 2.05 -0.14	36.82 1.62 0.00	37.33 1.74 -0.02	36.27 1.69 -0.02	35.33 1.59 0.00	36.38 1.73 -0.06	38.21 2.03 -0.02	40.35 2.32 0.00	43.79 2.78 -0.08	51.27 3.58 0.00	54.20 4.11 0.00	56.21 4.50 0.00	55.24 4.47 0.00	45.58 3.45 0.00	36.68 2.78 0.00	35.84 2.42 -5.00
MENANDS___115KV_TB5 355628	28.08 0.86 2.38	27.81 0.86 0.00	26.53 0.82 0.00	26.51 0.77 0.04	28.20 0.61 0.32	24.42 0.62 7.01	25.55 0.80 13.47	29.61 0.93 9.90	37.22 0.64 1.36	35.72 0.53 0.00	36.02 0.60 0.16	35.00 0.66 0.21	34.35 0.61 0.00	34.79 0.76 0.56	36.74 0.80 0.22	38.83 0.80 0.00	41.01 0.86 0.78	48.70 1.00 0.00	51.19 1.10 0.00	52.85 1.14 0.00	51.94 1.17 0.00	42.97 0.84 0.00	34.88 0.98 0.00	33.87 0.94 -4.51
MG INDUSTRY___DRP 24185	29.14 0.86 1.32	27.81 0.86 0.00	26.53 0.82 0.00	26.53 0.77 0.02	28.40 0.67 0.18	27.57 0.65 3.89	31.53 0.80 7.48	33.90 0.81 5.50	37.80 0.49 0.62	35.48 0.28 0.00	35.89 0.39 0.07	34.87 0.41 0.10	34.08 0.34 0.00	34.85 0.52 0.26	36.64 0.58 0.10	38.60 0.57 0.00	41.27 0.70 0.36	48.51 0.81 0.00	51.04 0.95 0.00	52.74 1.03 0.00	51.79 1.02 0.00	42.88 0.76 0.00	34.78 0.88 0.00	33.58 0.80 -4.36

MID___OSWEGATCHIE_HYD 23849	28.59 -1.01 0.00	25.84 -1.10 0.00	24.60 -1.11 0.00	24.75 -1.03 0.00	27.02 -0.89 0.00	30.08 -0.74 0.00	37.25 -0.96 0.00	37.62 -0.96 0.00	37.17 -0.76 0.00	34.25 -0.95 0.00	34.58 -1.00 0.00	33.52 -1.04 0.00	32.67 -1.08 0.00	33.35 -1.25 0.00	34.90 -1.27 0.00	36.85 -1.18 0.00	39.74 -1.19 0.00	46.31 -1.38 0.00	48.64 -1.45 0.00	50.31 -1.40 0.00	49.40 -1.37 0.00	41.03 -1.10 0.00	32.64 -1.25 0.00	27.21 -1.31 -0.09
MID___RAQUETTE_HYD 23851	28.42 -1.18 0.00	25.71 -1.24 0.00	24.45 -1.26 0.00	24.65 -1.13 0.00	27.04 -0.87 0.00	30.11 -0.71 0.00	37.29 -0.92 0.00	37.78 -0.81 0.00	37.29 -0.64 0.00	34.56 -0.63 0.00	34.93 -0.64 0.00	33.93 -0.62 0.00	33.14 -0.61 0.00	33.87 -0.73 0.00	35.37 -0.80 0.00	37.27 -0.76 0.00	40.15 -0.78 0.00	46.50 -1.19 0.00	48.94 -1.15 0.00	50.47 -1.24 0.00	49.45 -1.32 0.00	41.20 -0.93 0.00	32.64 -1.25 0.00	26.98 -1.45 0.00
MILLIKEN___1 23584	30.01 0.41 0.00	27.30 0.35 0.00	26.07 0.36 0.00	26.07 0.28 0.00	28.05 0.14 0.00	31.10 0.28 0.00	38.63 0.42 0.00	38.93 0.35 0.00	38.12 0.19 0.00	35.27 0.07 0.00	35.65 0.07 0.00	34.52 -0.03 0.00	33.65 -0.10 0.00	34.49 -0.10 0.00	36.16 0.00 0.00	38.07 0.04 0.00	41.01 0.08 0.00	48.03 0.33 0.00	50.49 0.40 0.00	52.23 0.52 0.00	51.28 0.51 0.00	42.63 0.51 0.00	34.24 0.34 0.00	29.48 0.37 -0.69
MILLIKEN___2 23585	30.01 0.41 0.00	27.30 0.35 0.00	26.07 0.36 0.00	26.07 0.28 0.00	28.05 0.14 0.00	31.10 0.28 0.00	38.63 0.42 0.00	38.93 0.35 0.00	38.12 0.19 0.00	35.27 0.07 0.00	35.65 0.07 0.00	34.52 -0.03 0.00	33.65 -0.10 0.00	34.49 -0.10 0.00	36.16 0.00 0.00	38.07 0.04 0.00	41.01 0.08 0.00	48.03 0.33 0.00	50.49 0.40 0.00	52.23 0.52 0.00	51.28 0.51 0.00	42.63 0.51 0.00	34.24 0.34 0.00	29.48 0.37 -0.69
MILLIKEN___DIESEL 23629	30.01 0.41 0.00	27.30 0.35 0.00	26.07 0.36 0.00	26.07 0.28 0.00	28.05 0.14 0.00	31.10 0.28 0.00	38.63 0.42 0.00	38.93 0.35 0.00	38.12 0.19 0.00	35.27 0.07 0.00	35.65 0.07 0.00	34.52 -0.03 0.00	33.65 -0.10 0.00	34.49 -0.10 0.00	36.16 0.00 0.00	38.07 0.04 0.00	41.01 0.08 0.00	48.03 0.33 0.00	50.49 0.40 0.00	52.23 0.52 0.00	51.28 0.51 0.00	42.63 0.51 0.00	34.24 0.34 0.00	29.48 0.37 -0.69
MILLSEAT___LFGE 323607	28.51 -1.09 0.00	25.65 -1.29 0.00	24.63 -1.08 0.00	24.62 -1.16 0.00	26.29 -1.62 0.00	29.43 -1.39 0.00	35.92 -2.29 0.00	36.08 -2.51 0.00	35.54 -2.39 0.00	32.73 -2.46 0.00	32.98 -2.60 0.00	31.69 -2.87 0.00	30.81 -2.94 0.00	31.69 -2.91 0.00	33.12 -3.04 0.00	34.91 -3.12 0.00	37.45 -3.48 0.00	43.83 -3.86 0.00	46.38 -3.71 0.00	48.19 -3.52 0.00	47.27 -3.50 0.00	39.68 -2.44 0.00	32.13 -1.76 0.00	27.64 -1.31 -0.52
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	31.64 2.04 0.00	28.97 2.02 0.00	27.59 1.88 0.00	27.51 1.73 0.00	29.42 1.51 0.00	32.39 1.57 0.00	40.27 2.06 0.00	40.98 2.39 0.00	40.51 2.58 0.00	37.63 2.43 0.00	37.85 2.28 0.00	36.80 2.25 0.00	36.08 2.33 0.00	36.98 2.39 0.00	38.69 2.53 0.00	40.69 2.66 0.00	43.63 2.70 0.00	50.70 3.00 0.00	53.04 2.96 0.00	54.76 3.05 0.00	53.82 3.05 0.00	44.52 2.40 0.00	36.13 2.24 0.00	34.00 2.05 -3.53
MILLWOOD_13_KV_LOAD 356217	31.67 2.07 0.00	28.99 2.05 0.00	27.61 1.90 0.00	27.56 1.78 0.00	29.44 1.53 0.00	32.42 1.60 0.00	40.35 2.14 0.00	41.06 2.47 0.00	40.55 2.62 0.00	37.70 2.50 0.00	37.92 2.35 0.00	36.87 2.32 0.00	36.14 2.40 0.00	37.05 2.46 0.00	38.76 2.60 0.00	40.77 2.74 0.00	43.75 2.82 0.00	50.80 3.10 0.00	53.19 3.11 0.00	54.86 3.15 0.00	53.97 3.20 0.00	44.61 2.49 0.00	36.20 2.31 0.00	34.06 2.10 -3.53
MODEL_CITY_ENERGY 24167	27.59 -2.01 0.00	24.82 -2.13 0.00	23.86 -1.85 0.00	23.85 -1.93 0.00	25.42 -2.48 0.00	28.35 -2.47 0.00	34.58 -3.63 0.00	34.65 -3.94 0.00	34.14 -3.79 0.00	31.43 -3.77 0.00	31.66 -3.91 0.00	30.41 -4.15 0.00	29.56 -4.19 0.00	30.34 -4.26 0.00	31.71 -4.45 0.00	33.31 -4.72 0.00	35.77 -5.16 0.00	41.83 -5.87 0.00	44.23 -5.86 0.00	45.97 -5.74 0.00	45.14 -5.64 0.00	37.95 -4.17 0.00	30.81 -3.08 0.00	26.62 -2.36 -0.55
MODERN_LFGE___ 323580	27.59 -2.01 0.00	24.82 -2.13 0.00	23.86 -1.85 0.00	23.85 -1.93 0.00	25.42 -2.48 0.00	28.35 -2.47 0.00	34.58 -3.63 0.00	34.65 -3.94 0.00	34.14 -3.79 0.00	31.43 -3.77 0.00	31.66 -3.91 0.00	30.41 -4.15 0.00	29.56 -4.19 0.00	30.34 -4.26 0.00	31.71 -4.45 0.00	33.31 -4.72 0.00	35.77 -5.16 0.00	41.83 -5.87 0.00	44.23 -5.86 0.00	45.97 -5.74 0.00	45.14 -5.64 0.00	37.95 -4.17 0.00	30.81 -3.08 0.00	26.62 -2.36 -0.55
MOHAWK_PAPER___DRP 24187	28.27 0.98 2.30	27.94 1.00 0.00	26.63 0.93 0.00	26.62 0.88 0.04	28.32 0.73 0.31	24.78 0.74 6.78	26.18 0.99 13.02	30.10 1.08 9.57	37.42 0.80 1.31	35.87 0.67 0.00	36.17 0.75 0.15	35.14 0.79 0.20	34.49 0.74 0.00	34.95 0.90 0.55	36.92 0.98 0.21	38.98 0.95 0.00	41.24 1.06 0.75	48.98 1.29 0.00	51.49 1.40 0.00	53.16 1.45 0.00	52.25 1.47 0.00	43.22 1.10 0.00	35.05 1.15 0.00	34.02 1.08 -4.51
MOHICAN___35_KV_115KV_LD 80490	32.94 1.60 -1.74	28.54 1.59 0.00	27.15 1.44 0.00	27.18 1.37 -0.03	29.43 1.28 -0.24	37.43 1.48 -5.13	50.05 1.99 -9.86	47.84 2.01 -7.25	40.42 1.52 -0.97	36.36 1.16 0.00	37.04 1.35 -0.11	36.05 1.35 -0.15	34.96 1.21 0.00	36.38 1.38 -0.40	37.91 1.59 -0.16	39.82 1.79 0.00	43.70 2.21 -0.56	50.41 2.72 0.00	53.19 3.11 0.00	55.07 3.36 0.00	54.12 3.35 0.00	44.65 2.53 0.00	35.97 2.07 0.00	34.87 1.82 -4.62
MONGAUP___HYD 23641	31.02 1.42 0.00	28.37 1.43 0.00	27.05 1.34 0.00	26.97 1.19 0.00	28.91 1.00 0.00	31.87 1.05 0.00	39.28 1.07 0.00	39.86 1.27 0.00	39.18 1.25 0.00	36.61 1.41 0.00	36.85 1.28 0.00	35.83 1.28 0.00	35.10 1.35 0.00	35.94 1.35 0.00	37.61 1.45 0.00	39.24 1.22 0.00	42.24 1.31 0.00	49.32 1.62 0.00	51.79 1.70 0.00	53.57 1.86 0.00	52.65 1.88 0.00	43.56 1.43 0.00	35.69 1.80 0.00	33.27 1.62 -3.23
MONTAUK___DIESEL 23721	48.95 3.46 -15.88	47.10 3.26 -16.89	43.24 3.03 -14.50	30.30 2.94 -1.58	30.74 2.82 -0.02	48.25 3.17 -14.26	49.04 4.16 -6.66	50.04 4.63 -6.82	49.59 4.67 -6.99	50.61 4.40 -11.01	49.87 3.91 -10.38	51.21 3.73 -12.92	57.37 3.64 -19.97	65.08 3.81 -26.68	57.18 3.83 -17.19	56.89 3.95 -14.91	137.69 4.13 -92.62	195.52 4.63 -143.19	213.74 4.76 -158.89	206.29 4.86 -149.72	190.13 5.03 -134.33	136.05 4.00 -89.93	74.31 4.00 -36.42	53.33 3.87 -21.04
MOONROAD_115KV_HARTFLD_TB1-2 355988	28.65 -0.95 0.00	25.81 -1.13 0.00	24.86 -0.85 0.00	24.91 -0.88 0.00	26.60 -1.31 0.00	29.89 -0.92 0.00	36.72 -1.49 0.00	37.08 -1.50 0.00	36.38 -1.56 0.00	33.37 -1.83 0.00	33.51 -2.06 0.00	32.34 -2.21 0.00	31.18 -2.56 0.00	31.79 -2.80 0.00	33.23 -2.93 0.00	34.91 -3.12 0.00	37.53 -3.40 0.00	43.74 -3.96 0.00	46.13 -3.96 0.00	47.73 -3.98 0.00	46.76 -4.01 0.00	39.26 -2.86 0.00	31.63 -2.27 0.00	26.83 -2.25 -0.65

MORRIS_RIDGE___SOLAR 323848	28.68 -0.92 0.00	25.92 -1.02 0.00	24.89 -0.82 0.00	24.88 -0.90 0.00	26.60 -1.31 0.00	29.74 -1.08 0.00	36.57 -1.64 0.00	36.74 -1.85 0.00	36.04 -1.90 0.00	33.12 -2.08 0.00	33.40 -2.17 0.00	32.06 -2.49 0.00	31.05 -2.70 0.00	31.82 -2.77 0.00	33.30 -2.86 0.00	35.06 -2.97 0.00	37.74 -3.19 0.00	44.31 -3.39 0.00	46.58 -3.51 0.00	48.24 -3.46 0.00	47.32 -3.45 0.00	39.60 -2.53 0.00	31.90 -2.00 0.00	27.45 -1.70 -0.73
MORTIMER_115KV_TB3 55949	28.74 -0.86 0.00	25.98 -0.97 0.00	24.86 -0.85 0.00	24.85 -0.93 0.00	26.68 -1.23 0.00	29.74 -1.08 0.00	36.53 -1.68 0.00	36.70 -1.89 0.00	36.15 -1.78 0.00	33.47 -1.72 0.00	33.83 -1.74 0.00	32.79 -1.76 0.00	31.89 -1.86 0.00	32.69 -1.90 0.00	34.21 -1.95 0.00	35.97 -2.05 0.00	38.56 -2.37 0.00	45.12 -2.58 0.00	47.48 -2.60 0.00	49.23 -2.48 0.00	48.29 -2.49 0.00	40.52 -1.60 0.00	32.64 -1.25 0.00	28.15 -0.71 -0.44
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	31.85 2.25 0.00	29.18 2.24 0.00	27.79 2.08 0.00	27.69 1.91 0.00	29.56 1.65 0.00	32.54 1.73 0.00	40.54 2.33 0.00	41.29 2.70 0.00	40.82 2.88 0.00	37.98 2.78 0.00	38.14 2.56 0.00	37.14 2.59 0.00	36.41 2.67 0.00	37.33 2.73 0.00	39.02 2.86 0.00	40.99 2.97 0.00	43.96 3.03 0.00	51.03 3.34 0.00	53.39 3.31 0.00	55.07 3.36 0.00	54.12 3.35 0.00	44.78 2.65 0.00	36.37 2.47 0.00	34.22 2.25 -3.55
MUNSVILLE_WIND_PWR 323609	32.29 2.69 0.00	29.48 2.53 0.00	28.07 2.36 0.00	28.23 2.45 0.00	30.65 2.74 0.00	34.24 3.42 0.00	42.45 4.24 0.00	42.68 4.09 0.00	42.26 4.32 0.00	38.65 3.45 0.00	38.99 3.42 0.00	37.70 3.14 0.00	36.28 2.53 0.00	36.98 2.39 0.00	38.87 2.71 0.00	41.26 3.23 0.00	44.37 3.44 0.00	52.37 4.68 0.00	54.50 4.41 0.00	56.36 4.66 0.00	55.60 4.83 0.00	45.83 3.71 0.00	36.71 2.81 0.00	31.92 2.10 -1.39
N SALMON___HYD 24042	29.57 -0.03 0.00	26.73 -0.22 0.00	25.37 -0.33 0.00	25.47 -0.31 0.00	27.80 -0.11 0.00	30.70 -0.12 0.00	38.06 -0.15 0.00	38.66 0.08 0.00	38.31 0.38 0.00	35.62 0.42 0.00	36.00 0.43 0.00	34.97 0.42 0.00	34.22 0.47 0.00	35.01 0.42 0.00	36.52 0.36 0.00	38.41 0.38 0.00	41.38 0.45 0.00	48.17 0.48 0.00	50.64 0.55 0.00	52.12 0.41 0.00	50.82 0.05 0.00	42.00 -0.13 0.00	33.42 -0.47 0.00	27.66 -0.77 0.00
N.AKRON__115KV_KNAPP 355671	28.45 -1.15 0.00	25.60 -1.35 0.00	24.58 -1.13 0.00	24.54 -1.24 0.00	26.23 -1.67 0.00	29.34 -1.48 0.00	35.84 -2.37 0.00	35.96 -2.62 0.00	35.43 -2.50 0.00	32.63 -2.57 0.00	32.91 -2.67 0.00	31.82 -2.73 0.00	30.81 -2.94 0.00	31.58 -3.01 0.00	33.01 -3.15 0.00	34.76 -3.27 0.00	37.29 -3.64 0.00	43.69 -4.01 0.00	46.18 -3.91 0.00	47.99 -3.72 0.00	47.07 -3.71 0.00	39.72 -2.40 0.00	32.03 -1.86 0.00	27.56 -1.39 -0.53
N.E_GEN_SANDY PD 24062	32.91 1.30 -2.01	30.00 1.27 -1.79	26.89 1.18 0.00	27.50 1.13 -0.59	29.10 0.92 -0.27	37.78 1.05 -5.91	50.90 1.34 -11.35	48.40 1.47 -8.35	40.12 1.06 -1.12	36.04 0.84 0.00	36.70 0.99 -0.13	35.80 1.07 -0.17	34.66 0.91 0.00	36.20 1.14 -0.47	37.50 1.16 -0.18	39.09 1.06 0.00	42.80 1.23 -0.64	49.27 1.57 0.00	57.70 1.75 -5.86	60.70 1.86 -7.13	64.59 1.88 -11.94	52.53 1.43 -8.97	47.53 1.42 -12.21	36.20 1.31 -6.47
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	31.55 1.95 0.00	28.89 1.94 0.00	27.51 1.80 0.00	27.43 1.65 0.00	29.33 1.42 0.00	32.30 1.48 0.00	40.20 1.99 0.00	40.90 2.32 0.00	40.40 2.47 0.00	37.52 2.32 0.00	37.74 2.17 0.00	36.70 2.14 0.00	36.01 2.26 0.00	36.88 2.28 0.00	38.58 2.42 0.00	40.58 2.55 0.00	43.55 2.62 0.00	50.61 2.91 0.00	52.94 2.86 0.00	54.66 2.95 0.00	53.72 2.94 0.00	44.44 2.32 0.00	36.07 2.17 0.00	33.81 1.96 -3.42
N.QUEENS_27_KV_LOAD 356247	31.91 2.31 0.00	29.48 2.53 0.00	28.07 2.37 0.00	27.95 2.17 0.00	29.50 1.59 0.00	32.45 1.63 0.00	40.35 2.14 0.00	41.17 2.59 0.00	40.82 2.88 0.00	38.01 2.82 0.00	38.24 2.67 0.00	37.28 2.73 0.00	36.55 2.80 0.00	37.49 2.91 0.01	39.16 3.00 0.00	41.11 3.08 0.00	44.12 3.19 0.00	51.13 3.43 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.18 3.40 0.00	44.73 2.61 0.00	36.37 2.47 0.00	34.25 2.27 -3.55
N.TROY___115KV_TB1 355778	35.70 1.21 -4.89	28.16 1.21 0.00	26.84 1.13 0.00	26.95 1.08 -0.08	29.52 0.95 -0.66	46.21 1.02 -14.38	67.15 1.34 -27.61	60.31 1.43 -20.30	41.77 1.10 -2.74	36.04 0.84 0.00	36.89 1.00 -0.32	36.01 1.04 -0.42	34.66 0.91 0.00	36.84 1.11 -1.14	37.76 1.16 -0.44	39.17 1.14 0.00	43.85 1.35 -1.57	49.27 1.57 0.00	51.84 1.75 0.00	53.57 1.86 0.00	52.65 1.88 0.00	43.55 1.43 0.00	35.25 1.36 0.00	34.24 1.25 -4.56
NARROWS_GT1_1 24228	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
NARROWS_GT1_2 24229	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
NARROWS_GT1_3 24230	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
NARROWS_GT1_4 24231	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
NARROWS_GT1_5 24232	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47

NARROWS_GT1_6 24233	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
NARROWS_GT1_7 24234	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
NARROWS_GT1_8 24235	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
NARROWS_GT2_1 24236	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
NARROWS_GT2_2 24237	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
NARROWS_GT2_3 24238	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
NARROWS_GT2_4 24239	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
NARROWS_GT2_5 24240	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
NARROWS_GT2_6 24241	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
NARROWS_GT2_7 24242	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
NARROWS_GT2_8 24243	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	29.45 1.18 1.33	28.05 1.10 0.00	26.71 1.00 0.00	26.76 1.01 0.02	28.62 0.89 0.18	27.88 0.99 3.92	31.98 1.30 7.53	34.44 1.39 5.54	38.57 1.18 0.54	35.80 0.60 0.00	36.33 0.82 0.06	35.26 0.79 0.08	34.32 0.57 0.00	35.27 0.90 0.23	37.12 1.05 0.09	38.90 0.87 0.00	41.97 1.35 0.31	49.22 1.53 0.00	51.89 1.80 0.00	53.73 2.02 0.00	52.80 2.03 0.00	43.68 1.56 0.00	35.25 1.36 0.00	33.44 0.85 -4.16
NCHELSEA_115KV_TR2 355582	31.64 2.04 0.00	28.97 2.02 0.00	27.59 1.88 0.00	27.51 1.73 0.00	29.42 1.51 0.00	32.42 1.60 0.00	40.31 2.10 0.00	40.98 2.39 0.00	40.40 2.47 0.00	37.48 2.29 0.00	37.74 2.17 0.00	36.66 2.11 0.00	35.97 2.23 0.00	36.84 2.25 0.00	38.58 2.42 0.00	40.61 2.59 0.00	43.59 2.66 0.00	50.75 3.05 0.00	53.09 3.01 0.00	54.86 3.15 0.00	53.92 3.15 0.00	44.61 2.49 0.00	36.13 2.24 0.00	33.98 2.02 -3.54
NEG CAPITAL___MECHNVIL 23645	34.11 1.54 -2.97	28.43 1.48 0.00	27.10 1.39 0.00	27.17 1.34 -0.05	29.51 1.20 -0.40	40.92 1.35 -8.74	56.76 1.76 -16.79	52.78 1.85 -12.34	41.07 1.48 -1.66	36.39 1.20 0.00	37.12 1.35 -0.19	36.19 1.38 -0.26	35.03 1.28 0.00	36.74 1.45 -0.69	38.02 1.59 -0.27	39.70 1.67 0.00	43.84 1.96 -0.95	50.08 2.38 0.00	52.74 2.65 0.00	54.50 2.79 0.00	53.51 2.74 0.00	44.23 2.11 0.00	35.73 1.83 0.00	34.67 1.65 -4.60
NEG CENTRAL_HIGH_ACRES 23767	28.42 -1.18 0.00	25.71 -1.24 0.00	24.60 -1.10 0.00	24.60 -1.19 0.00	26.40 -1.51 0.00	29.43 -1.39 0.00	36.26 -1.95 0.00	36.47 -2.12 0.00	35.88 -2.05 0.00	33.26 -1.94 0.00	33.65 -1.92 0.00	32.48 -2.07 0.00	31.72 -2.02 0.00	32.55 -2.04 0.00	34.06 -2.10 0.00	35.86 -2.17 0.00	38.43 -2.50 0.00	44.98 -2.72 0.00	47.24 -2.85 0.00	48.92 -2.79 0.00	47.98 -2.79 0.00	40.06 -2.06 0.00	32.34 -1.56 0.00	27.82 -1.02 -0.42



NEG CENTRAL___DRP 24199	29.39 -0.21 0.00	26.70 -0.24 0.00	25.50 -0.21 0.00	25.50 -0.28 0.00	27.43 -0.47 0.00	30.51 -0.31 0.00	37.83 -0.38 0.00	38.05 -0.54 0.00	37.33 -0.61 0.00	34.56 -0.63 0.00	34.93 -0.64 0.00	33.83 -0.73 0.00	32.97 -0.78 0.00	33.80 -0.80 0.00	35.40 -0.76 0.00	37.27 -0.76 0.00	40.07 -0.86 0.00	46.88 -0.81 0.00	49.29 -0.80 0.00	50.83 -0.88 0.00	49.86 -0.91 0.00	41.66 -0.46 0.00	33.46 -0.44 0.00	28.61 -0.26 -0.44
NEG CENTRAL___INDECK 23768	29.54 -0.06 0.00	26.68 -0.27 0.00	25.56 -0.15 0.00	25.55 -0.23 0.00	27.38 -0.53 0.00	30.63 -0.18 0.00	37.71 -0.50 0.00	37.82 -0.77 0.00	36.87 -1.06 0.00	33.82 -1.37 0.00	34.11 -1.46 0.00	32.79 -1.76 0.00	31.86 -1.89 0.00	32.69 -1.90 0.00	34.24 -1.92 0.00	36.17 -1.86 0.00	38.97 -1.96 0.00	45.93 -1.76 0.00	48.59 -1.50 0.00	50.67 -1.03 0.00	49.66 -1.12 0.00	41.53 -0.59 0.00	33.35 -0.54 0.00	28.68 -0.37 -0.63
NEG CENTRAL___SENECA 23627	29.45 -0.15 0.00	26.73 -0.22 0.00	25.55 -0.15 0.00	25.55 -0.23 0.00	27.43 -0.47 0.00	30.57 -0.25 0.00	37.87 -0.34 0.00	38.12 -0.46 0.00	37.36 -0.57 0.00	34.53 -0.67 0.00	34.90 -0.68 0.00	33.79 -0.76 0.00	32.87 -0.88 0.00	33.69 -0.90 0.00	35.29 -0.87 0.00	37.15 -0.87 0.00	39.95 -0.98 0.00	46.84 -0.86 0.00	49.24 -0.85 0.00	50.73 -0.98 0.00	49.76 -1.02 0.00	41.70 -0.42 0.00	33.46 -0.44 0.00	28.62 -0.31 -0.51
NEG CENTRAL___STATE_STREET 24147	29.48 -0.12 0.00	26.81 -0.13 0.00	25.58 -0.13 0.00	25.60 -0.18 0.00	27.57 -0.33 0.00	30.57 -0.25 0.00	37.98 -0.23 0.00	38.24 -0.35 0.00	37.52 -0.42 0.00	34.77 -0.42 0.00	35.18 -0.39 0.00	34.10 -0.45 0.00	33.27 -0.47 0.00	34.11 -0.48 0.00	35.73 -0.43 0.00	37.61 -0.42 0.00	40.44 -0.49 0.00	47.31 -0.38 0.00	49.64 -0.45 0.00	51.29 -0.41 0.00	50.32 -0.46 0.00	41.87 -0.25 0.00	33.66 -0.24 0.00	28.76 -0.09 -0.42
NEG MILLWOOD___DRP 24198	31.73 2.13 0.00	29.05 2.10 0.00	27.66 1.95 0.00	27.61 1.83 0.00	29.53 1.62 0.00	32.51 1.70 0.00	40.43 2.22 0.00	41.13 2.55 0.00	40.63 2.69 0.00	37.70 2.50 0.00	37.99 2.42 0.00	36.87 2.32 0.00	36.21 2.46 0.00	37.12 2.53 0.00	38.84 2.68 0.00	40.92 2.89 0.00	43.88 2.95 0.00	51.03 3.34 0.00	53.39 3.31 0.00	55.12 3.41 0.00	54.23 3.45 0.00	44.73 2.61 0.00	36.30 2.41 0.00	34.17 2.16 -3.58
NEG NORTH_FLCN_SEA 23793	30.28 0.68 0.00	27.30 0.35 0.00	25.86 0.15 0.00	25.91 0.13 0.00	28.13 0.22 0.00	30.94 0.12 0.00	38.36 0.15 0.00	39.01 0.42 0.00	38.77 0.83 0.00	36.11 0.92 0.00	36.53 0.96 0.00	35.49 0.93 0.00	34.76 1.01 0.00	35.56 0.97 0.00	37.10 0.94 0.00	38.94 0.91 0.00	41.91 0.98 0.00	48.79 1.10 0.00	51.24 1.15 0.00	52.64 0.93 0.00	51.28 0.51 0.00	42.25 0.13 0.00	33.69 -0.20 0.00	27.97 -0.45 0.00
NEG NORTH_KES_CHATEGAY 23792	29.69 0.09 0.00	26.84 -0.11 0.00	25.48 -0.23 0.00	25.55 -0.23 0.00	27.83 -0.08 0.00	30.66 -0.15 0.00	37.98 -0.23 0.00	38.55 -0.04 0.00	38.12 0.19 0.00	35.51 0.32 0.00	35.93 0.36 0.00	34.90 0.35 0.00	34.15 0.40 0.00	34.94 0.35 0.00	36.49 0.33 0.00	38.33 0.30 0.00	41.30 0.37 0.00	48.08 0.38 0.00	50.54 0.45 0.00	51.97 0.26 0.00	50.72 -0.05 0.00	41.83 -0.29 0.00	33.36 -0.54 0.00	27.69 -0.74 0.00
NEG NORTH___ALICE_FALLS 23915	30.25 0.65 0.00	27.27 0.32 0.00	25.86 0.15 0.00	25.88 0.10 0.00	28.13 0.22 0.00	30.97 0.15 0.00	38.40 0.19 0.00	39.05 0.46 0.00	38.77 0.83 0.00	36.11 0.92 0.00	36.53 0.96 0.00	35.49 0.93 0.00	34.73 0.98 0.00	35.56 0.97 0.00	37.07 0.90 0.00	38.94 0.91 0.00	41.91 0.98 0.00	48.89 1.19 0.00	51.34 1.25 0.00	52.79 1.09 0.00	51.38 0.61 0.00	42.29 0.17 0.00	33.73 -0.17 0.00	27.97 -0.45 0.00
NEG NORTH___LWR_SARANAC 23913	30.25 0.65 0.00	27.27 0.32 0.00	25.86 0.15 0.00	25.88 0.10 0.00	28.13 0.22 0.00	30.97 0.15 0.00	38.40 0.19 0.00	39.05 0.46 0.00	38.77 0.83 0.00	36.11 0.92 0.00	36.53 0.96 0.00	35.49 0.93 0.00	34.73 0.98 0.00	35.56 0.97 0.00	37.07 0.90 0.00	38.94 0.91 0.00	41.91 0.98 0.00	48.89 1.19 0.00	51.34 1.25 0.00	52.79 1.09 0.00	51.38 0.61 0.00	42.29 0.17 0.00	33.73 -0.17 0.00	27.97 -0.45 0.00
NEG NORTH___PLATTSBURG 23628	30.25 0.65 0.00	27.27 0.32 0.00	25.86 0.16 0.00	25.89 0.10 0.00	28.13 0.22 0.00	30.97 0.15 0.00	38.40 0.19 0.00	39.05 0.46 0.00	38.77 0.83 0.00	36.11 0.91 0.00	36.54 0.96 0.00	35.49 0.93 0.00	34.73 0.98 0.00	35.56 0.97 0.00	37.07 0.90 0.00	38.94 0.91 0.00	41.91 0.98 0.00	48.89 1.19 0.00	51.34 1.25 0.00	52.80 1.09 0.00	51.39 0.61 0.00	42.29 0.17 0.00	33.73 -0.17 0.00	27.97 -0.46 0.00
NEG WEST_LEA_LOCKPORT 23791	27.88 -1.72 0.00	25.09 -1.86 0.00	24.12 -1.59 0.00	24.11 -1.68 0.00	25.70 -2.20 0.00	28.72 -2.10 0.00	35.04 -3.17 0.00	35.11 -3.47 0.00	34.59 -3.34 0.00	31.85 -3.34 0.00	32.09 -3.49 0.00	31.06 -3.49 0.00	30.07 -3.68 0.00	30.75 -3.84 0.00	32.15 -4.01 0.00	33.77 -4.26 0.00	36.22 -4.71 0.00	42.40 -5.29 0.00	44.83 -5.26 0.00	46.59 -5.12 0.00	45.75 -5.03 0.00	38.63 -3.50 0.00	31.22 -2.68 0.00	26.95 -2.02 -0.55
NEG WEST___LANCASTR 23811	28.53 -1.07 0.00	25.73 -1.21 0.00	24.73 -0.98 0.00	24.72 -1.06 0.00	26.37 -1.53 0.00	29.52 -1.29 0.00	36.15 -2.06 0.00	36.35 -2.24 0.00	35.77 -2.16 0.00	32.94 -2.25 0.00	33.19 -2.38 0.00	32.10 -2.45 0.00	31.05 -2.70 0.00	31.79 -2.80 0.00	33.23 -2.93 0.00	34.95 -3.08 0.00	37.57 -3.36 0.00	43.98 -3.72 0.00	46.33 -3.76 0.00	48.04 -3.67 0.00	47.22 -3.55 0.00	39.72 -2.40 0.00	32.07 -1.83 0.00	26.62 -2.44 -0.64
NEG_PENN_ALLEGHNY 23528	29.81 0.21 0.00	27.08 0.14 0.00	25.89 0.18 0.00	25.89 0.10 0.00	27.83 -0.08 0.00	30.85 0.03 0.00	38.25 0.04 0.00	38.59 0.00 0.00	37.90 -0.04 0.00	35.09 -0.11 0.00	35.47 -0.11 0.00	34.35 -0.21 0.00	33.44 -0.30 0.00	34.32 -0.28 0.00	35.91 -0.25 0.00	37.80 -0.23 0.00	40.64 -0.28 0.00	47.51 -0.19 0.00	49.84 -0.25 0.00	51.55 -0.15 0.00	50.62 -0.15 0.00	42.12 0.00 0.00	33.90 0.00 0.00	29.62 0.00 -1.20
NEG___GEN_MONROE 24207	28.80 -0.80 0.00	25.98 -0.97 0.00	24.86 -0.85 0.00	24.85 -0.93 0.00	26.65 -1.26 0.00	29.77 -1.05 0.00	36.53 -1.68 0.00	36.66 -1.93 0.00	36.04 -1.90 0.00	33.30 -1.90 0.00	33.62 -1.96 0.00	32.55 -2.00 0.00	31.62 -2.13 0.00	32.45 -2.14 0.00	33.92 -2.24 0.00	35.67 -2.36 0.00	38.31 -2.62 0.00	44.79 -2.91 0.00	47.28 -2.80 0.00	49.17 -2.53 0.00	48.29 -2.49 0.00	40.56 -1.56 0.00	32.68 -1.22 0.00	28.16 -0.71 -0.44
NEPA___ENERGY 23901	28.71 -0.89 0.00	25.90 -1.05 0.00	24.89 -0.82 0.00	24.88 -0.90 0.00	26.57 -1.34 0.00	29.74 -1.08 0.00	36.45 -1.76 0.00	36.62 -1.97 0.00	36.04 -1.90 0.00	33.16 -2.04 0.00	33.40 -2.17 0.00	32.27 -2.28 0.00	31.25 -2.50 0.00	31.96 -2.63 0.00	33.41 -2.75 0.00	35.14 -2.89 0.00	37.74 -3.19 0.00	44.17 -3.53 0.00	46.58 -3.51 0.00	48.24 -3.46 0.00	47.47 -3.30 0.00	39.89 -2.23 0.00	32.20 -1.69 0.00	27.48 -1.59 -0.65

NEVERSINK___HYD 23608	31.55 1.95 0.00	28.89 1.94 0.00	27.51 1.80 0.00	27.46 1.67 0.00	29.44 1.53 0.00	32.42 1.60 0.00	40.31 2.10 0.00	40.98 2.39 0.00	40.36 2.43 0.00	37.38 2.18 0.00	37.64 2.06 0.00	36.59 2.04 0.00	35.81 2.06 0.00	36.67 2.08 0.00	38.40 2.24 0.00	40.46 2.44 0.00	43.47 2.54 0.00	50.70 3.01 0.00	53.14 3.06 0.00	54.92 3.21 0.00	53.97 3.20 0.00	44.69 2.57 0.00	36.10 2.20 0.00	33.56 1.93 -3.20
NEWKRMKL_115KV_TB1 55635	28.36 0.71 1.95	27.70 0.75 0.00	26.43 0.72 0.00	26.39 0.64 0.03	28.15 0.50 0.26	25.58 0.49 5.73	27.86 0.65 11.00	31.27 0.77 8.09	37.31 0.49 1.11	35.58 0.39 0.00	35.94 0.50 0.13	34.90 0.52 0.17	34.25 0.51 0.00	34.75 0.62 0.46	36.67 0.69 0.18	38.71 0.68 0.00	41.03 0.74 0.64	48.51 0.81 0.00	50.94 0.85 0.00	52.64 0.93 0.00	51.69 0.91 0.00	42.75 0.63 0.00	34.71 0.81 0.00	33.73 0.80 -4.51
NEWTON___FALLS_HYD 23847	28.59 -1.01 0.00	25.84 -1.10 0.00	24.60 -1.11 0.00	24.75 -1.03 0.00	27.02 -0.89 0.00	30.08 -0.74 0.00	37.25 -0.96 0.00	37.62 -0.96 0.00	37.17 -0.76 0.00	34.25 -0.95 0.00	34.58 -1.00 0.00	33.52 -1.04 0.00	32.67 -1.08 0.00	33.35 -1.25 0.00	34.90 -1.27 0.00	36.85 -1.18 0.00	39.74 -1.19 0.00	46.31 -1.38 0.00	48.64 -1.45 0.00	50.31 -1.40 0.00	49.40 -1.37 0.00	41.03 -1.10 0.00	32.64 -1.25 0.00	27.21 -1.31 -0.09
NGRID_A1_DSASP 323792	27.56 -2.04 0.00	24.82 -2.13 0.00	23.91 -1.80 0.00	23.90 -1.88 0.00	25.40 -2.51 0.00	28.45 -2.37 0.00	34.69 -3.51 0.00	34.65 -3.94 0.00	34.18 -3.76 0.00	31.47 -3.73 0.00	31.73 -3.84 0.00	30.48 -4.08 0.00	29.63 -4.12 0.00	30.44 -4.15 0.00	31.75 -4.41 0.00	33.35 -4.68 0.00	35.73 -5.20 0.00	41.83 -5.87 0.00	44.23 -5.86 0.00	45.92 -5.79 0.00	45.19 -5.59 0.00	38.04 -4.09 0.00	30.91 -2.98 0.00	26.91 -2.07 -0.55
NGRID_A2_DSASP 323793	27.56 -2.04 0.00	24.82 -2.13 0.00	23.91 -1.80 0.00	23.90 -1.88 0.00	25.40 -2.51 0.00	28.45 -2.37 0.00	34.69 -3.51 0.00	34.65 -3.94 0.00	34.18 -3.76 0.00	31.47 -3.73 0.00	31.73 -3.84 0.00	30.48 -4.08 0.00	29.63 -4.12 0.00	30.44 -4.15 0.00	31.75 -4.41 0.00	33.35 -4.68 0.00	35.73 -5.20 0.00	41.83 -5.87 0.00	44.23 -5.86 0.00	45.92 -5.79 0.00	45.19 -5.59 0.00	38.04 -4.09 0.00	30.91 -2.98 0.00	26.91 -2.07 -0.55
NGRID_A4_DSASP 323807	27.56 -2.04 0.00	24.82 -2.13 0.00	23.91 -1.80 0.00	23.90 -1.88 0.00	25.40 -2.51 0.00	28.45 -2.37 0.00	34.69 -3.51 0.00	34.65 -3.94 0.00	34.18 -3.76 0.00	31.47 -3.73 0.00	31.73 -3.84 0.00	30.48 -4.08 0.00	29.63 -4.12 0.00	30.44 -4.15 0.00	31.75 -4.41 0.00	33.35 -4.68 0.00	35.73 -5.20 0.00	41.83 -5.87 0.00	44.23 -5.86 0.00	45.92 -5.79 0.00	45.19 -5.59 0.00	38.04 -4.09 0.00	30.91 -2.98 0.00	26.91 -2.07 -0.55
NIAGARA_115E_LBMP 323715	27.44 -2.16 0.00	24.68 -2.26 0.00	23.73 -1.98 0.00	23.72 -2.06 0.00	25.28 -2.62 0.00	28.14 -2.68 0.00	34.35 -3.86 0.00	34.42 -4.17 0.00	33.87 -4.06 0.00	31.18 -4.01 0.00	31.45 -4.13 0.00	30.20 -4.35 0.00	29.33 -4.42 0.00	30.13 -4.46 0.00	31.46 -4.70 0.00	33.09 -4.94 0.00	35.49 -5.44 0.00	41.54 -6.15 0.00	43.93 -6.16 0.00	45.61 -6.10 0.00	44.83 -5.94 0.00	37.70 -4.42 0.00	30.61 -3.29 0.00	26.45 -2.53 -0.56
NIAGARA_115W_LBMP 323714	27.47 -2.13 0.00	24.74 -2.21 0.00	23.83 -1.88 0.00	23.82 -1.96 0.00	25.31 -2.59 0.00	28.35 -2.47 0.00	34.58 -3.63 0.00	34.57 -4.01 0.00	34.06 -3.87 0.00	31.39 -3.80 0.00	31.62 -3.95 0.00	30.37 -4.18 0.00	29.53 -4.22 0.00	30.34 -4.26 0.00	31.68 -4.49 0.00	33.24 -4.79 0.00	35.61 -5.32 0.00	41.68 -6.01 0.00	44.08 -6.01 0.00	45.81 -5.90 0.00	45.04 -5.74 0.00	37.91 -4.21 0.00	30.81 -3.08 0.00	26.85 -2.13 -0.55
NIAGARA_230_LBMP 323716	27.76 -1.84 0.00	24.98 -1.97 0.00	24.01 -1.70 0.00	24.00 -1.78 0.00	25.59 -2.32 0.00	28.66 -2.16 0.00	35.00 -3.21 0.00	35.00 -3.59 0.00	34.52 -3.41 0.00	31.78 -3.41 0.00	32.05 -3.52 0.00	30.79 -3.77 0.00	29.93 -3.81 0.00	30.75 -3.84 0.00	32.07 -4.09 0.00	33.69 -4.34 0.00	36.10 -4.83 0.00	42.26 -5.44 0.00	44.68 -5.41 0.00	46.38 -5.32 0.00	45.65 -5.13 0.00	38.37 -3.75 0.00	31.18 -2.71 0.00	27.09 -1.88 -0.54
NIAGARA___115KV_198_GIBSON 55903	27.47 -2.13 0.00	24.71 -2.24 0.00	23.83 -1.88 0.00	23.82 -1.96 0.00	25.34 -2.57 0.00	28.35 -2.47 0.00	34.58 -3.63 0.00	34.57 -4.01 0.00	34.06 -3.87 0.00	31.36 -3.84 0.00	31.63 -3.95 0.00	30.61 -3.94 0.00	29.66 -4.08 0.00	30.34 -4.25 0.00	31.68 -4.48 0.00	33.24 -4.79 0.00	35.61 -5.32 0.00	41.69 -6.01 0.00	44.08 -6.01 0.00	45.81 -5.89 0.00	45.04 -5.74 0.00	38.12 -4.00 0.00	30.81 -3.08 0.00	26.85 -2.13 -0.55
NIAGARA___ 23760	27.76 -1.84 0.00	24.98 -1.97 0.00	24.01 -1.70 0.00	24.00 -1.78 0.00	25.59 -2.32 0.00	28.66 -2.16 0.00	35.00 -3.21 0.00	35.00 -3.59 0.00	34.52 -3.41 0.00	31.78 -3.41 0.00	32.05 -3.52 0.00	30.79 -3.77 0.00	29.93 -3.81 0.00	30.75 -3.84 0.00	32.07 -4.09 0.00	33.69 -4.34 0.00	36.10 -4.83 0.00	42.26 -5.44 0.00	44.68 -5.41 0.00	46.38 -5.32 0.00	45.65 -5.13 0.00	38.37 -3.75 0.00	31.18 -2.71 0.00	27.10 -1.88 -0.56
NINE_MILE_1 23575	28.86 -0.74 0.00	26.25 -0.70 0.00	25.04 -0.67 0.00	25.09 -0.69 0.00	27.04 -0.87 0.00	29.92 -0.89 0.00	37.10 -1.11 0.00	37.28 -1.31 0.00	36.64 -1.29 0.00	34.00 -1.20 0.00	34.36 -1.21 0.00	33.31 -1.24 0.00	32.53 -1.21 0.00	33.35 -1.24 0.00	34.89 -1.27 0.00	36.70 -1.33 0.00	39.46 -1.47 0.00	46.07 -1.62 0.00	48.33 -1.75 0.00	49.90 -1.81 0.00	49.00 -1.78 0.00	40.73 -1.39 0.00	32.85 -1.05 0.00	27.95 -0.68 -0.21
NINE_MILE_2 23744	28.86 -0.74 0.00	26.25 -0.70 0.00	25.04 -0.67 0.00	25.09 -0.69 0.00	27.07 -0.84 0.00	29.92 -0.89 0.00	37.10 -1.11 0.00	37.28 -1.31 0.00	36.64 -1.29 0.00	34.00 -1.20 0.00	34.36 -1.21 0.00	33.31 -1.24 0.00	32.53 -1.21 0.00	33.35 -1.24 0.00	34.89 -1.27 0.00	36.70 -1.33 0.00	39.50 -1.43 0.00	46.07 -1.62 0.00	48.33 -1.75 0.00	49.95 -1.76 0.00	49.00 -1.78 0.00	40.73 -1.39 0.00	32.85 -1.05 0.00	27.95 -0.68 -0.21
NM_CAPITAL___DRP 24208	27.94 0.80 2.46	27.78 0.84 0.00	26.48 0.77 0.00	26.46 0.72 0.04	28.13 0.56 0.33	24.13 0.55 7.25	25.02 0.73 13.91	29.21 0.85 10.23	37.10 0.57 1.40	35.65 0.46 0.00	35.94 0.53 0.16	34.92 0.59 0.22	34.29 0.54 0.00	34.70 0.69 0.58	36.66 0.72 0.23	38.75 0.72 0.00	40.90 0.78 0.80	48.60 0.91 0.00	51.04 0.95 0.00	52.74 1.03 0.00	51.79 1.02 0.00	42.84 0.72 0.00	34.81 0.92 0.00	33.80 0.88 -4.50
NM_CENTRAL___DRP 24181	29.39 -0.21 0.00	26.73 -0.22 0.00	25.53 -0.18 0.00	25.55 -0.23 0.00	27.52 -0.39 0.00	30.48 -0.34 0.00	37.83 -0.38 0.00	38.05 -0.54 0.00	37.36 -0.57 0.00	34.67 -0.53 0.00	35.11 -0.46 0.00	34.03 -0.52 0.00	33.21 -0.54 0.00	34.07 -0.52 0.00	35.65 -0.51 0.00	37.53 -0.49 0.00	40.31 -0.61 0.00	47.08 -0.62 0.00	49.39 -0.70 0.00	51.04 -0.67 0.00	50.06 -0.71 0.00	41.62 -0.51 0.00	33.52 -0.37 0.00	28.60 -0.14 -0.32

NM_FRONTIER___DRP 24179	27.47 -2.13 0.00	24.71 -2.24 0.00	23.83 -1.88 0.00	23.82 -1.96 0.00	25.34 -2.57 0.00	28.35 -2.47 0.00	34.58 -3.63 0.00	34.57 -4.01 0.00	34.06 -3.87 0.00	31.36 -3.84 0.00	31.63 -3.95 0.00	30.61 -3.94 0.00	29.66 -4.08 0.00	30.34 -4.25 0.00	31.68 -4.48 0.00	33.24 -4.79 0.00	35.61 -5.32 0.00	41.69 -6.01 0.00	44.08 -6.01 0.00	45.81 -5.89 0.00	45.04 -5.74 0.00	38.12 -4.00 0.00	30.81 -3.08 0.00	26.85 -2.13 -0.55
NM_ST_REGIS___HYD 24053	28.71 -0.89 0.00	25.98 -0.97 0.00	24.71 -1.00 0.00	24.88 -0.90 0.00	27.27 -0.64 0.00	30.26 -0.55 0.00	37.52 -0.69 0.00	38.01 -0.58 0.00	37.59 -0.34 0.00	34.84 -0.35 0.00	35.22 -0.36 0.00	34.21 -0.35 0.00	33.44 -0.30 0.00	34.18 -0.42 0.00	35.69 -0.47 0.00	37.57 -0.46 0.00	40.48 -0.45 0.00	46.98 -0.72 0.00	49.39 -0.70 0.00	50.93 -0.78 0.00	49.86 -0.91 0.00	41.41 -0.72 0.00	32.85 -1.05 0.00	27.15 -1.28 0.00
NORTHPORT___1 23551	48.18 2.69 -15.88	46.53 2.69 -16.89	42.75 2.55 -14.50	29.76 2.40 -1.58	30.18 2.26 -0.02	47.42 2.34 -14.26	47.89 3.02 -6.66	48.65 3.24 -6.82	47.98 3.15 -6.90	48.87 2.82 -10.86	48.07 2.31 -10.19	49.33 2.21 -12.56	50.79 2.16 -14.88	51.20 2.35 -14.25	50.94 2.42 -12.36	52.89 2.55 -12.31	46.45 2.66 -2.87	46.77 2.86 3.79	48.89 3.01 4.21	50.80 3.05 3.96	50.32 3.10 3.55	44.94 2.53 -0.29	43.22 2.74 -6.58	42.75 2.67 -11.65
NORTHPORT___2 23552	48.18 2.69 -15.88	46.53 2.69 -16.89	42.75 2.55 -14.50	29.76 2.40 -1.58	30.18 2.26 -0.02	47.42 2.34 -14.26	47.89 3.02 -6.66	48.65 3.24 -6.82	47.98 3.15 -6.90	48.87 2.82 -10.86	48.07 2.31 -10.19	49.33 2.21 -12.56	50.79 2.16 -14.88	51.20 2.35 -14.25	50.94 2.42 -12.36	52.89 2.55 -12.31	46.45 2.66 -2.87	46.77 2.86 3.79	48.89 3.01 4.21	50.80 3.05 3.96	50.32 3.10 3.55	44.94 2.53 -0.29	43.22 2.74 -6.58	42.75 2.67 -11.65
NORTHPORT___3 23553	48.30 2.81 -15.88	46.62 2.78 -16.89	42.83 2.62 -14.50	29.84 2.48 -1.58	30.30 2.37 -0.02	47.51 2.43 -14.26	47.93 3.06 -6.66	48.73 3.32 -6.82	48.38 3.49 -6.96	49.26 3.10 -10.97	47.82 1.96 -10.29	49.39 2.14 -12.69	50.89 2.19 -14.95	50.89 2.11 -14.19	50.88 2.32 -12.41	52.86 2.44 -12.40	44.63 2.37 -1.33	43.87 2.57 6.40	45.64 2.65 7.10	47.65 2.64 6.69	47.46 2.69 6.00	42.96 2.11 1.27	42.33 2.31 -6.13	42.16 2.16 -11.58
NORTHPORT___4 23650	48.30 2.81 -15.88	46.62 2.78 -16.89	42.83 2.62 -14.50	29.84 2.48 -1.58	30.30 2.37 -0.02	47.51 2.43 -14.26	47.93 3.06 -6.66	48.73 3.32 -6.82	48.38 3.49 -6.96	49.26 3.10 -10.97	47.82 1.96 -10.29	49.39 2.14 -12.69	50.89 2.19 -14.95	50.89 2.11 -14.19	50.88 2.32 -12.41	52.86 2.44 -12.40	44.63 2.37 -1.33	43.87 2.57 6.40	45.64 2.65 7.10	47.65 2.64 6.69	47.46 2.69 6.00	42.96 2.11 1.27	42.33 2.31 -6.13	42.16 2.16 -11.58
NORTHPORT___IC 23718	48.18 2.69 -15.88	46.53 2.69 -16.89	42.75 2.55 -14.50	29.76 2.40 -1.58	30.13 2.20 -0.02	47.42 2.34 -14.26	47.89 3.02 -6.66	48.65 3.24 -6.82	47.98 3.15 -6.90	48.87 2.82 -10.86	48.04 2.28 -10.19	49.26 2.14 -12.56	50.72 2.09 -14.88	51.20 2.35 -14.25	50.94 2.42 -12.36	52.89 2.55 -12.31	46.46 2.66 -2.87	46.77 2.86 3.79	48.89 3.01 4.21	50.80 3.05 3.96	50.32 3.10 3.55	44.90 2.49 -0.29	43.22 2.75 -6.58	42.69 2.62 -11.65
NORTH___COUNTRY_ESR 323785	29.60 0.00 0.00	26.79 -0.16 0.00	25.43 -0.28 0.00	25.50 -0.28 0.00	27.77 -0.14 0.00	30.60 -0.21 0.00	37.90 -0.31 0.00	38.47 -0.12 0.00	38.09 0.15 0.00	35.48 0.28 0.00	35.89 0.32 0.00	34.90 0.35 0.00	34.12 0.37 0.00	34.90 0.31 0.00	36.42 0.25 0.00	38.30 0.27 0.00	41.22 0.29 0.00	47.98 0.29 0.00	50.39 0.30 0.00	51.86 0.16 0.00	50.57 -0.20 0.00	41.74 -0.38 0.00	33.29 -0.61 0.00	27.63 -0.80 0.00
NPX_GEN_1385_PROXY 323591	31.00 2.61 1.21	34.43 2.59 -4.90	34.08 2.44 -5.93	29.71 2.35 -1.58	30.16 2.23 -0.02	38.59 2.22 -5.55	47.97 3.09 -6.66	48.57 3.16 -6.82	35.60 3.00 5.33	27.00 2.67 10.87	27.00 2.21 10.78	27.00 2.11 9.66	27.00 2.06 8.81	27.00 2.25 9.84	27.00 2.28 11.44	28.00 2.40 12.43	29.00 2.54 14.47	45.00 2.67 5.37	49.04 3.16 4.21	57.79 3.21 -2.87	59.46 3.30 -5.39	48.16 2.70 -3.34	43.22 2.74 -6.58	39.01 2.59 -8.00
NPX_GEN_CSC 323557	49.18 3.70 -15.88	47.32 3.48 -16.89	43.47 3.27 -14.50	30.48 3.12 -1.58	30.97 3.04 -0.02	48.38 3.30 -14.26	49.11 4.24 -6.66	50.04 4.63 -6.82	49.44 4.51 -6.99	50.32 4.12 -11.01	49.66 3.70 -10.38	51.07 3.59 -12.92	57.25 3.51 -19.99	65.03 3.70 -26.73	57.20 3.83 -17.21	56.98 4.03 -14.92	138.29 4.30 -93.06	196.42 4.82 -143.91	214.89 5.11 -159.69	207.40 5.22 -150.47	191.01 5.23 -135.00	136.74 4.25 -90.36	74.56 4.10 -36.56	53.29 3.78 -21.08
NSINS_S_GLNS_FALLS 23858	32.84 1.57 -1.67	28.51 1.56 0.00	27.15 1.44 0.00	27.18 1.37 -0.03	29.39 1.26 -0.23	37.19 1.45 -4.92	49.61 1.95 -9.45	47.54 2.01 -6.94	40.38 1.52 -0.93	36.36 1.16 0.00	37.03 1.35 -0.11	36.05 1.35 -0.14	34.96 1.21 0.00	36.36 1.38 -0.39	37.94 1.63 -0.15	39.82 1.79 0.00	43.67 2.21 -0.53	50.41 2.72 0.00	53.19 3.11 0.00	55.07 3.36 0.00	54.07 3.30 0.00	44.61 2.49 0.00	35.93 2.03 0.00	34.87 1.82 -4.63
NUCOR_STEEL___DRP 24197	29.54 -0.06 0.00	26.87 -0.08 0.00	25.66 -0.05 0.00	25.65 -0.13 0.00	27.63 -0.28 0.00	30.63 -0.18 0.00	38.02 -0.19 0.00	38.28 -0.31 0.00	37.52 -0.42 0.00	34.81 -0.39 0.00	35.22 -0.36 0.00	34.14 -0.41 0.00	33.31 -0.44 0.00	34.14 -0.45 0.00	35.76 -0.40 0.00	37.65 -0.38 0.00	40.48 -0.45 0.00	47.31 -0.38 0.00	49.69 -0.40 0.00	51.35 -0.36 0.00	50.37 -0.41 0.00	41.95 -0.17 0.00	33.69 -0.20 0.00	28.80 -0.03 -0.40
NUMBER_THREE_WT_PWR 323818	29.45 -0.15 0.00	26.57 -0.38 0.00	25.27 -0.44 0.00	25.40 -0.39 0.00	27.58 -0.33 0.00	30.67 -0.15 0.00	38.02 -0.19 0.00	38.28 -0.31 0.00	37.93 0.00 0.00	34.70 -0.49 0.00	35.04 -0.53 0.00	33.90 -0.66 0.00	32.90 -0.84 0.00	33.62 -0.97 0.00	35.22 -0.94 0.00	37.27 -0.76 0.00	40.15 -0.78 0.00	47.03 -0.67 0.00	49.28 -0.80 0.00	51.03 -0.67 0.00	50.22 -0.56 0.00	41.57 -0.55 0.00	33.29 -0.61 0.00	27.90 -0.65 -0.12
NYISO_LBMP_REFERENCE 24008	29.60 0.00 0.00	26.95 0.00 0.00	25.71 0.00 0.00	25.78 0.00 0.00	27.91 0.00 0.00	30.82 0.00 0.00	38.21 0.00 0.00	38.59 0.00 0.00	37.93 0.00 0.00	35.20 0.00 0.00	35.57 0.00 0.00	34.55 0.00 0.00	33.75 0.00 0.00	34.59 0.00 0.00	36.16 0.00 0.00	38.03 0.00 0.00	40.93 0.00 0.00	47.70 0.00 0.00	50.09 0.00 0.00	51.71 0.00 0.00	50.77 0.00 0.00	42.12 0.00 0.00	33.90 0.00 0.00	28.43 0.00 0.00
NYPA_BRENTWD____GT 24164	48.68 3.20 -15.88	46.91 3.07 -16.89	43.09 2.88 -14.50	30.10 2.73 -1.58	30.58 2.65 -0.02	47.85 2.77 -14.26	48.46 3.59 -6.66	49.31 3.90 -6.82	48.92 3.87 -7.11	49.88 3.49 -11.20	49.12 3.02 -10.52	50.49 2.94 -13.01	53.26 2.87 -16.64	55.58 3.04 -17.94	53.29 3.14 -13.98	54.68 3.31 -13.34	71.01 3.36 -26.73	86.13 3.39 -35.05	92.53 3.56 -38.89	91.97 3.62 -36.65	87.31 3.66 -32.88	69.42 3.24 -24.05	51.95 3.39 -14.67	45.97 3.18 -14.36

NYPA_GOWANUS____GT5 24156	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
NYPA_GOWANUS____GT6 24157	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.91 1.98 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.16 2.90 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.28 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.90 2.82 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47
NYPA_HARLEM__RVR__GT1 24160	31.88 2.28 0.00	29.40 2.45 0.00	28.02 2.31 0.00	27.90 2.11 0.00	29.81 1.90 0.00	32.38 1.57 0.01	40.30 2.10 0.01	41.09 2.51 0.01	40.69 2.77 0.01	37.90 2.71 0.01	38.13 2.56 0.01	37.27 2.73 0.01	36.47 2.73 0.01	37.39 2.80 0.01	39.08 2.93 0.01	41.02 3.00 0.01	43.99 3.07 0.01	50.98 3.29 0.01	53.33 3.25 0.01	54.96 3.26 0.01	54.06 3.30 0.01	44.68 2.57 0.01	36.34 2.44 0.00	34.20 2.22 -3.55
NYPA_HARLEM__RVR__GT2 24161	31.88 2.28 0.00	29.40 2.45 0.00	28.02 2.31 0.00	27.90 2.11 0.00	29.81 1.90 0.00	32.38 1.57 0.01	40.30 2.10 0.01	41.09 2.51 0.01	40.69 2.77 0.01	37.90 2.71 0.01	38.13 2.56 0.01	37.27 2.73 0.01	36.47 2.73 0.01	37.39 2.80 0.01	39.08 2.93 0.01	41.02 3.00 0.01	43.99 3.07 0.01	50.98 3.29 0.01	53.33 3.25 0.01	54.96 3.26 0.01	54.06 3.30 0.01	44.68 2.57 0.01	36.34 2.44 0.00	34.20 2.22 -3.55
NYPA_KENT____GT 24152	31.95 2.34 -0.01	29.33 2.37 -0.01	27.99 2.26 -0.01	27.86 2.06 -0.01	29.82 1.90 -0.01	32.65 1.82 -0.01	40.56 2.33 -0.02	41.29 2.70 0.00	40.89 2.96 0.00	38.05 2.85 0.00	38.31 2.70 -0.03	43.55 2.87 -6.13	46.01 2.87 -9.39	73.13 2.94 -35.60	49.32 3.07 -10.09	49.57 3.15 -8.38	51.12 3.23 -6.96	51.59 3.53 -0.36	53.63 3.50 -0.03	55.68 3.52 -0.45	70.31 3.50 -16.03	50.03 2.78 -5.13	46.60 2.57 -10.12	45.14 2.33 -14.38
NYPA_POUCH1____GT 24155	31.93 2.31 -0.02	29.37 2.40 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.94 2.01 -0.02	32.75 1.91 -0.02	40.53 2.29 -0.03	41.21 2.63 0.00	40.74 2.81 0.00	37.94 2.75 0.00	38.19 2.56 -0.06	48.02 2.77 -10.70	52.92 2.77 -16.41	99.14 2.84 -61.71	56.75 2.97 -17.63	55.75 3.08 -14.64	56.23 3.15 -12.15	51.71 3.39 -0.63	53.50 3.36 -0.06	55.91 3.41 -0.79	82.18 3.40 -28.00	53.74 2.66 -8.96	54.05 2.47 -17.68	53.11 2.22 -22.47
NYPA_VERNON____GT2 24162	31.91 2.31 0.00	29.29 2.34 0.00	27.92 2.21 0.00	27.82 2.04 0.00	29.75 1.84 0.00	32.58 1.76 0.00	40.51 2.29 0.00	41.29 2.70 0.00	40.89 2.96 0.00	38.05 2.85 0.00	38.28 2.70 -0.01	38.94 2.83 -1.55	38.96 2.84 -2.38	46.98 2.91 -9.48	41.76 3.04 -2.56	43.27 3.12 -2.12	45.89 3.19 -1.76	51.27 3.48 -0.09	53.55 3.45 -0.01	55.29 3.46 -0.11	58.29 3.45 -4.06	46.16 2.74 -1.30	39.04 2.57 -2.56	37.02 2.30 -6.30
NYPA_VERNON____GT3 24163	31.91 2.31 0.00	29.29 2.34 0.00	27.92 2.21 0.00	27.82 2.04 0.00	29.75 1.84 0.00	32.58 1.76 0.00	40.51 2.29 0.00	41.29 2.70 0.00	40.89 2.96 0.00	38.05 2.85 0.00	38.28 2.70 -0.01	38.94 2.83 -1.55	38.96 2.84 -2.38	46.98 2.91 -9.48	41.76 3.04 -2.56	43.27 3.12 -2.12	45.89 3.19 -1.76	51.27 3.48 -0.09	53.55 3.45 -0.01	55.29 3.46 -0.11	58.29 3.45 -4.06	46.16 2.74 -1.30	39.04 2.57 -2.56	37.02 2.30 -6.30
NYPA__ASTORIA_CC1 323568	31.91 2.31 0.00	29.29 2.34 0.00	27.92 2.21 0.00	27.79 2.01 0.00	29.75 1.84 0.00	32.54 1.72 0.00	40.42 2.22 0.00	41.21 2.63 0.00	40.81 2.88 0.00	37.98 2.78 0.00	38.21 2.63 0.00	37.35 2.80 0.00	36.55 2.80 0.00	38.00 2.87 -0.54	39.16 3.00 0.00	41.11 3.08 0.00	44.08 3.15 0.00	51.13 3.44 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.18 3.40 0.00	44.78 2.66 0.00	36.41 2.51 0.00	34.25 2.27 -3.55
NYPA__ASTORIA_CC2 323569	31.91 2.31 0.00	29.29 2.34 0.00	27.92 2.21 0.00	27.79 2.01 0.00	29.75 1.84 0.00	32.54 1.72 0.00	40.42 2.22 0.00	41.21 2.63 0.00	40.81 2.88 0.00	37.98 2.78 0.00	38.21 2.63 0.00	37.35 2.80 0.00	36.55 2.80 0.00	38.00 2.87 -0.54	39.16 3.00 0.00	41.11 3.08 0.00	44.08 3.15 0.00	51.13 3.44 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.18 3.40 0.00	44.78 2.66 0.00	36.41 2.51 0.00	34.25 2.27 -3.55
NYPA__HOLTSVILL 23794	48.68 3.20 -15.88	46.91 3.07 -16.89	43.09 2.88 -14.50	30.10 2.73 -1.58	30.58 2.65 -0.02	47.85 2.77 -14.26	48.46 3.59 -6.66	49.35 3.94 -6.82	48.78 3.87 -6.98	49.67 3.49 -10.99	49.00 3.06 -10.37	50.39 2.94 -12.91	56.77 2.90 -20.12	64.73 3.04 -27.10	56.68 3.18 -17.33	56.35 3.35 -14.97	140.33 3.52 -95.88	200.10 3.86 -148.55	218.97 4.06 -164.83	211.17 4.14 -155.32	194.29 4.16 -139.35	138.68 3.37 -93.18	74.80 3.42 -37.48	53.00 3.21 -21.36
NYPA____HELLGATE_GT1 24158	31.88 2.28 0.00	29.40 2.45 0.00	28.02 2.31 0.00	27.90 2.11 0.00	29.81 1.90 0.00	32.38 1.57 0.01	40.30 2.10 0.01	41.09 2.51 0.01	40.69 2.77 0.01	37.90 2.71 0.01	38.13 2.56 0.01	37.27 2.73 0.01	36.47 2.73 0.01	37.39 2.80 0.01	39.08 2.93 0.01	41.02 3.00 0.01	43.99 3.07 0.01	50.98 3.29 0.01	53.33 3.25 0.01	54.96 3.26 0.01	54.06 3.30 0.01	44.68 2.57 0.01	36.34 2.44 0.00	34.20 2.22 -3.55
NYPA____HELLGATE_GT2 24159	31.88 2.28 0.00	29.40 2.45 0.00	28.02 2.31 0.00	27.90 2.11 0.00	29.81 1.90 0.00	32.38 1.57 0.01	40.30 2.10 0.01	41.09 2.51 0.01	40.69 2.77 0.01	37.90 2.71 0.01	38.13 2.56 0.01	37.27 2.73 0.01	36.47 2.73 0.01	37.39 2.80 0.01	39.08 2.93 0.01	41.02 3.00 0.01	43.99 3.07 0.01	50.98 3.29 0.01	53.33 3.25 0.01	54.96 3.26 0.01	54.06 3.30 0.01	44.68 2.57 0.01	36.34 2.44 0.00	34.20 2.22 -3.55
NYS_BARGE__HYD 23848	27.85 -1.75 0.00	25.06 -1.89 0.00	24.09 -1.62 0.00	24.08 -1.70 0.00	25.68 -2.23 0.00	28.69 -2.13 0.00	35.00 -3.21 0.00	35.08 -3.51 0.00	34.56 -3.38 0.00	31.82 -3.38 0.00	32.05 -3.52 0.00	30.82 -3.73 0.00	29.93 -3.81 0.00	30.75 -3.84 0.00	32.11 -4.05 0.00	33.77 -4.26 0.00	36.22 -4.71 0.00	42.40 -5.30 0.00	44.83 -5.26 0.00	46.59 -5.12 0.00	45.75 -5.03 0.00	38.46 -3.67 0.00	31.22 -2.68 0.00	26.92 -2.05 -0.54
OAK ORCHARD__HYD 24046	28.74 -0.86 0.00	25.98 -0.97 0.00	24.86 -0.85 0.00	24.85 -0.93 0.00	26.68 -1.23 0.00	29.74 -1.08 0.00	36.53 -1.68 0.00	36.70 -1.89 0.00	36.15 -1.78 0.00	33.47 -1.72 0.00	33.83 -1.74 0.00	32.62 -1.93 0.00	31.82 -1.92 0.00	32.69 -1.90 0.00	34.17 -1.99 0.00	35.97 -2.05 0.00	38.55 -2.37 0.00	45.12 -2.58 0.00	47.48 -2.61 0.00	49.23 -2.48 0.00	48.29 -2.49 0.00	40.39 -1.73 0.00	32.64 -1.25 0.00	28.15 -0.44 -0.44

OAKDALE___35_KV_LOAD 356122	29.75 0.15 0.00	27.05 0.11 0.00	25.86 0.15 0.00	25.86 0.08 0.00	27.80 -0.11 0.00	30.82 0.00 0.00	38.17 -0.04 0.00	38.47 -0.12 0.00	37.82 -0.11 0.00	35.02 -0.18 0.00	35.36 -0.21 0.00	34.28 -0.28 0.00	33.41 -0.34 0.00	34.21 -0.38 0.00	35.84 -0.33 0.00	37.69 -0.34 0.00	40.52 -0.41 0.00	47.36 -0.33 0.00	49.69 -0.40 0.00	51.40 -0.31 0.00	50.52 -0.25 0.00	42.00 -0.13 0.00	33.83 -0.07 0.00	29.59 -0.03 -1.19
OCC_CHEM___DRP 24175	27.56 -2.04 0.00	24.79 -2.16 0.00	23.91 -1.80 0.00	23.90 -1.88 0.00	25.40 -2.51 0.00	28.45 -2.37 0.00	34.69 -3.52 0.00	34.65 -3.94 0.00	34.18 -3.76 0.00	31.47 -3.73 0.00	31.73 -3.84 0.00	30.72 -3.84 0.00	29.73 -4.02 0.00	30.44 -4.15 0.00	31.79 -4.38 0.00	33.35 -4.68 0.00	35.73 -5.20 0.00	41.83 -5.87 0.00	44.23 -5.86 0.00	45.92 -5.79 0.00	45.19 -5.59 0.00	38.21 -3.92 0.00	30.91 -2.98 0.00	26.90 -2.08 -0.55
OH_GEN_PROXY 24063	27.79 -1.81 0.00	25.03 -1.91 0.00	24.04 -1.67 0.00	24.03 -1.75 0.00	25.65 -2.26 0.00	28.72 -2.10 0.00	35.08 -3.13 0.00	35.08 -3.51 0.00	34.59 -3.34 0.00	31.85 -3.34 0.00	32.12 -3.45 0.00	30.86 -3.70 0.00	30.00 -3.75 0.00	30.82 -3.77 0.00	32.18 -3.98 0.00	33.77 -4.26 0.00	36.22 -4.71 0.00	42.40 -5.30 0.00	44.83 -5.26 0.00	46.54 -5.17 0.00	45.80 -4.97 0.00	38.50 -3.62 0.00	31.25 -2.64 0.00	27.13 -1.85 -0.55
OLIN_CORP_DRP 24177	27.50 -2.10 0.00	24.74 -2.21 0.00	23.78 -1.93 0.00	23.77 -2.01 0.00	25.34 -2.57 0.00	28.23 -2.59 0.00	34.46 -3.74 0.00	34.50 -4.09 0.00	33.99 -3.95 0.00	31.29 -3.91 0.00	31.55 -4.02 0.00	30.54 -4.01 0.00	29.53 -4.22 0.00	30.23 -4.36 0.00	31.60 -4.56 0.00	33.20 -4.83 0.00	35.61 -5.32 0.00	41.69 -6.01 0.00	44.03 -6.06 0.00	45.76 -5.95 0.00	44.99 -5.79 0.00	37.99 -4.13 0.00	30.71 -3.19 0.00	26.57 -2.42 -0.56
OLIN_CORP_DSASP 323712	27.56 -2.04 0.00	24.82 -2.13 0.00	23.91 -1.80 0.00	23.90 -1.88 0.00	25.40 -2.51 0.00	28.45 -2.37 0.00	34.69 -3.51 0.00	34.65 -3.94 0.00	34.18 -3.76 0.00	31.47 -3.73 0.00	31.73 -3.84 0.00	30.48 -4.08 0.00	29.63 -4.12 0.00	30.44 -4.15 0.00	31.75 -4.41 0.00	33.35 -4.68 0.00	35.73 -5.20 0.00	41.83 -5.87 0.00	44.23 -5.86 0.00	45.92 -5.79 0.00	45.19 -5.59 0.00	38.04 -4.09 0.00	30.91 -2.98 0.00	26.91 -2.07 -0.55
ONEIDA_HERK_LFGE 323681	29.90 0.30 0.00	27.14 0.19 0.00	25.86 0.16 0.00	25.94 0.16 0.00	28.08 0.17 0.00	31.13 0.31 0.00	38.59 0.38 0.00	38.93 0.35 0.00	38.42 0.49 0.00	35.41 0.21 0.00	35.79 0.21 0.00	34.66 0.10 0.00	33.71 -0.03 0.00	34.49 -0.10 0.00	36.16 0.00 0.00	38.14 0.11 0.00	41.09 0.16 0.00	48.12 0.43 0.00	50.39 0.30 0.00	52.12 0.41 0.00	51.23 0.46 0.00	42.46 0.34 0.00	34.10 0.20 0.00	28.65 0.11 -0.11
ONEIDA___115KV_TB4 55905	30.22 0.62 0.00	27.51 0.57 0.00	26.22 0.51 0.00	26.27 0.49 0.00	28.38 0.47 0.00	31.47 0.65 0.00	39.01 0.80 0.00	39.32 0.73 0.00	38.69 0.76 0.00	35.76 0.56 0.00	36.18 0.60 0.00	35.04 0.48 0.00	34.12 0.37 0.00	34.94 0.35 0.00	36.63 0.47 0.00	38.64 0.61 0.00	41.58 0.65 0.00	48.70 1.00 0.00	51.09 1.00 0.00	52.79 1.09 0.00	51.89 1.12 0.00	43.01 0.88 0.00	34.58 0.68 0.00	29.23 0.60 -0.21
ONONDAGA_REF_OCCRA 23987	29.51 -0.09 0.00	26.87 -0.08 0.00	25.63 -0.08 0.00	25.65 -0.13 0.00	27.63 -0.28 0.00	30.60 -0.22 0.00	37.98 -0.23 0.00	38.24 -0.35 0.00	37.55 -0.38 0.00	34.84 -0.35 0.00	35.25 -0.32 0.00	34.17 -0.38 0.00	33.34 -0.40 0.00	34.18 -0.42 0.00	35.80 -0.36 0.00	37.69 -0.34 0.00	40.48 -0.45 0.00	47.31 -0.38 0.00	49.64 -0.45 0.00	51.29 -0.41 0.00	50.37 -0.41 0.00	41.83 -0.29 0.00	33.66 -0.24 0.00	28.76 -0.06 -0.39
ONONDAGA___COGEN 23986	29.45 -0.15 0.00	26.78 -0.16 0.00	25.55 -0.15 0.00	25.58 -0.21 0.00	27.57 -0.33 0.00	30.54 -0.28 0.00	37.90 -0.31 0.00	38.12 -0.46 0.00	37.44 -0.49 0.00	34.74 -0.46 0.00	35.18 -0.39 0.00	34.10 -0.45 0.00	33.27 -0.47 0.00	34.14 -0.45 0.00	35.73 -0.43 0.00	37.61 -0.42 0.00	40.44 -0.49 0.00	47.22 -0.48 0.00	49.54 -0.55 0.00	51.14 -0.57 0.00	50.22 -0.56 0.00	41.74 -0.38 0.00	33.59 -0.31 0.00	28.65 -0.11 -0.33
ONTARIO___LFGE 23819	29.45 -0.15 0.00	26.73 -0.22 0.00	25.56 -0.15 0.00	25.55 -0.23 0.00	27.43 -0.47 0.00	30.57 -0.25 0.00	37.86 -0.34 0.00	38.13 -0.46 0.00	37.36 -0.57 0.00	34.53 -0.67 0.00	34.90 -0.68 0.00	33.69 -0.86 0.00	32.84 -0.91 0.00	33.69 -0.90 0.00	35.29 -0.87 0.00	37.16 -0.87 0.00	39.95 -0.98 0.00	46.84 -0.86 0.00	49.03 -1.05 0.00	50.72 -0.98 0.00	49.76 -1.02 0.00	41.66 -0.46 0.00	33.46 -0.44 0.00	28.62 -0.31 -0.51
ORANGEVILLE_WT_PWR 323706	28.39 -1.21 0.00	25.63 -1.32 0.00	24.63 -1.08 0.00	24.62 -1.16 0.00	26.29 -1.62 0.00	29.40 -1.42 0.00	36.07 -2.14 0.00	36.20 -2.39 0.00	35.58 -2.35 0.00	32.73 -2.46 0.00	32.98 -2.60 0.00	31.65 -2.90 0.00	30.68 -3.07 0.00	31.45 -3.15 0.00	32.91 -3.25 0.00	34.61 -3.42 0.00	37.20 -3.72 0.00	43.59 -4.10 0.00	45.88 -4.21 0.00	47.52 -4.19 0.00	46.56 -4.21 0.00	39.01 -3.12 0.00	31.52 -2.37 0.00	27.14 -1.96 -0.67
ORANGEVILLE___ESR 323794	28.39 -1.21 0.00	25.63 -1.32 0.00	24.63 -1.08 0.00	24.62 -1.16 0.00	26.29 -1.62 0.00	29.40 -1.42 0.00	36.07 -2.14 0.00	36.20 -2.39 0.00	35.58 -2.35 0.00	32.73 -2.46 0.00	32.98 -2.60 0.00	31.65 -2.90 0.00	30.68 -3.07 0.00	31.45 -3.15 0.00	32.91 -3.25 0.00	34.61 -3.42 0.00	37.20 -3.72 0.00	43.59 -4.10 0.00	45.88 -4.21 0.00	47.52 -4.19 0.00	46.56 -4.21 0.00	39.01 -3.12 0.00	31.52 -2.37 0.00	27.14 -1.96 -0.67
OSWEGATCHIE___HYD 24044	28.59 -1.01 0.00	25.84 -1.11 0.00	24.60 -1.10 0.00	24.75 -1.03 0.00	27.01 -0.89 0.00	30.08 -0.74 0.00	37.26 -0.95 0.00	37.62 -0.96 0.00	37.17 -0.76 0.00	34.25 -0.95 0.00	34.58 -1.00 0.00	33.55 -1.00 0.00	32.67 -1.08 0.00	33.35 -1.24 0.00	34.93 -1.23 0.00	36.85 -1.18 0.00	39.74 -1.19 0.00	46.31 -1.38 0.00	48.63 -1.45 0.00	50.31 -1.39 0.00	49.41 -1.37 0.00	41.03 -1.10 0.00	32.64 -1.25 0.00	27.21 -1.31 -0.09
OSWEGO___5 23606	29.01 -0.59 0.00	26.38 -0.57 0.00	25.17 -0.54 0.00	25.21 -0.57 0.00	27.21 -0.70 0.00	30.11 -0.71 0.00	37.29 -0.92 0.00	37.51 -1.08 0.00	36.87 -1.06 0.00	34.17 -1.02 0.00	34.58 -1.00 0.00	33.52 -1.04 0.00	32.74 -1.01 0.00	33.56 -1.04 0.00	35.11 -1.05 0.00	36.92 -1.10 0.00	39.70 -1.23 0.00	46.36 -1.34 0.00	48.63 -1.45 0.00	50.26 -1.45 0.00	49.30 -1.47 0.00	40.99 -1.14 0.00	33.05 -0.85 0.00	28.10 -0.54 -0.22
OSWEGO___6 23613	29.01 -0.59 0.00	26.38 -0.57 0.00	25.17 -0.54 0.00	25.21 -0.57 0.00	27.21 -0.70 0.00	30.11 -0.71 0.00	37.29 -0.92 0.00	37.51 -1.08 0.00	36.87 -1.06 0.00	34.17 -1.02 0.00	34.58 -1.00 0.00	33.52 -1.04 0.00	32.74 -1.01 0.00	33.56 -1.04 0.00	35.11 -1.05 0.00	36.92 -1.10 0.00	39.70 -1.23 0.00	46.36 -1.34 0.00	48.63 -1.45 0.00	50.26 -1.45 0.00	49.30 -1.47 0.00	40.99 -1.14 0.00	33.05 -0.85 0.00	28.10 -0.54 -0.22

OUTOKUMPU-AB___DRP 24206	28.12 -1.48 0.00	25.30 -1.64 0.00	24.37 -1.34 0.00	24.34 -1.44 0.00	25.93 -1.98 0.00	29.03 -1.79 0.00	35.42 -2.79 0.00	35.50 -3.09 0.00	35.01 -2.92 0.00	32.21 -2.99 0.00	32.48 -3.09 0.00	31.44 -3.11 0.00	30.41 -3.34 0.00	31.13 -3.46 0.00	32.54 -3.62 0.00	34.19 -3.84 0.00	36.67 -4.26 0.00	42.88 -4.82 0.00	45.33 -4.76 0.00	47.05 -4.65 0.00	46.26 -4.52 0.00	39.05 -3.07 0.00	31.56 -2.34 0.00	27.23 -1.76 -0.57
OXBOW___BTM 323836	27.88 -1.72 0.00	25.09 -1.86 0.00	24.17 -1.54 0.00	24.16 -1.62 0.00	25.68 -2.23 0.00	28.78 -2.04 0.00	35.08 -3.13 0.00	35.15 -3.43 0.00	34.63 -3.30 0.00	31.89 -3.31 0.00	32.16 -3.42 0.00	30.89 -3.66 0.00	30.00 -3.75 0.00	30.82 -3.77 0.00	32.22 -3.94 0.00	33.81 -4.22 0.00	36.26 -4.67 0.00	42.45 -5.25 0.00	44.88 -5.21 0.00	46.59 -5.12 0.00	45.80 -4.97 0.00	38.50 -3.62 0.00	31.29 -2.61 0.00	27.11 -1.88 -0.56
OXBOW___ 24026	27.88 -1.72 0.00	25.09 -1.86 0.00	24.17 -1.54 0.00	24.16 -1.62 0.00	25.70 -2.20 0.00	28.78 -2.03 0.00	35.08 -3.13 0.00	35.15 -3.43 0.00	34.63 -3.30 0.00	31.89 -3.31 0.00	32.16 -3.42 0.00	31.13 -3.42 0.00	30.14 -3.61 0.00	30.86 -3.74 0.00	32.22 -3.94 0.00	33.81 -4.22 0.00	36.26 -4.67 0.00	42.45 -5.25 0.00	44.83 -5.26 0.00	46.59 -5.12 0.00	45.80 -4.98 0.00	38.71 -3.41 0.00	31.29 -2.61 0.00	27.11 -1.88 -0.56
OXY_CHEM_DSASP 323612	27.56 -2.04 0.00	24.79 -2.16 0.00	23.91 -1.80 0.00	23.90 -1.88 0.00	25.40 -2.51 0.00	28.45 -2.37 0.00	34.69 -3.52 0.00	34.65 -3.94 0.00	34.18 -3.76 0.00	31.47 -3.73 0.00	31.73 -3.84 0.00	30.72 -3.84 0.00	29.73 -4.02 0.00	30.44 -4.15 0.00	31.79 -4.38 0.00	33.35 -4.68 0.00	35.73 -5.20 0.00	41.83 -5.87 0.00	44.23 -5.86 0.00	45.92 -5.79 0.00	45.19 -5.59 0.00	38.21 -3.92 0.00	30.91 -2.98 0.00	26.90 -2.08 -0.55
OZONE_PARK_ESR 323760	32.09 2.49 0.00	29.37 2.43 0.00	28.00 2.29 0.00	27.87 2.09 0.00	29.72 1.81 0.00	32.73 1.91 0.00	40.81 2.60 0.00	41.60 3.01 0.00	41.16 3.22 0.00	38.29 3.10 0.00	38.46 2.88 0.00	37.46 2.90 0.00	36.72 2.97 0.00	37.64 3.04 0.00	39.34 3.18 0.00	41.34 3.31 0.00	44.33 3.40 0.00	51.42 3.72 0.00	53.84 3.76 0.00	55.53 3.83 0.00	54.58 3.81 0.00	45.16 3.03 0.00	36.68 2.78 0.00	34.48 2.50 -3.55
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	27.56 -2.04 0.00	24.79 -2.16 0.00	23.91 -1.80 0.00	23.90 -1.88 0.00	25.40 -2.51 0.00	28.45 -2.37 0.00	34.69 -3.52 0.00	34.65 -3.94 0.00	34.18 -3.76 0.00	31.47 -3.73 0.00	31.73 -3.84 0.00	30.72 -3.84 0.00	29.73 -4.02 0.00	30.44 -4.15 0.00	31.79 -4.38 0.00	33.35 -4.68 0.00	35.73 -5.20 0.00	41.83 -5.87 0.00	44.23 -5.86 0.00	45.92 -5.79 0.00	45.19 -5.59 0.00	38.21 -3.92 0.00	30.91 -2.98 0.00	26.90 -2.08 -0.55
PACKARD___115KV_DUPONT_184 80571	27.56 -2.04 0.00	24.79 -2.16 0.00	23.91 -1.80 0.00	23.90 -1.88 0.00	25.40 -2.51 0.00	28.45 -2.37 0.00	34.69 -3.52 0.00	34.65 -3.94 0.00	34.18 -3.76 0.00	31.47 -3.73 0.00	31.73 -3.84 0.00	30.72 -3.84 0.00	29.73 -4.02 0.00	30.44 -4.15 0.00	31.79 -4.38 0.00	33.35 -4.68 0.00	35.73 -5.20 0.00	41.83 -5.87 0.00	44.23 -5.86 0.00	45.92 -5.79 0.00	45.19 -5.59 0.00	38.21 -3.92 0.00	30.91 -2.98 0.00	26.90 -2.08 -0.55
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	31.88 2.28 0.00	29.34 2.40 0.00	27.97 2.26 0.00	27.84 2.06 0.00	29.47 1.56 0.00	32.39 1.57 0.00	40.27 2.06 0.00	41.06 2.47 0.00	40.66 2.73 0.00	37.87 2.67 0.00	38.06 2.49 0.00	37.14 2.59 0.00	36.41 2.67 0.00	37.32 2.73 0.01	39.02 2.86 0.00	40.96 2.93 0.00	43.92 2.99 0.00	50.94 3.24 0.00	53.24 3.16 0.00	54.91 3.21 0.00	53.97 3.20 0.00	44.57 2.44 0.00	36.30 2.41 0.00	34.19 2.22 -3.55
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	31.97 2.37 0.00	29.45 2.51 0.00	28.07 2.37 0.00	27.95 2.17 0.00	29.61 1.70 0.00	32.54 1.73 0.00	40.43 2.22 0.00	41.21 2.62 0.00	40.78 2.84 0.00	37.94 2.75 0.00	38.17 2.60 0.00	37.21 2.66 0.00	36.48 2.73 0.00	37.39 2.80 0.01	39.05 2.89 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.34 3.26 0.00	55.07 3.36 0.00	54.18 3.40 0.00	44.78 2.65 0.00	36.51 2.61 0.00	34.39 2.42 -3.55
PATROON___115KV_TB1 80586	28.49 0.80 1.91	27.78 0.84 0.00	26.48 0.77 0.00	26.47 0.72 0.03	28.21 0.56 0.26	25.76 0.55 5.62	28.15 0.73 10.79	31.51 0.85 7.93	37.45 0.61 1.09	35.69 0.49 0.00	36.02 0.57 0.13	35.01 0.62 0.17	34.32 0.57 0.00	34.87 0.73 0.45	36.78 0.80 0.18	38.83 0.80 0.00	41.16 0.86 0.62	48.65 0.95 0.00	51.14 1.05 0.00	52.79 1.09 0.00	51.84 1.07 0.00	42.88 0.76 0.00	34.81 0.92 0.00	33.83 0.88 -4.52
PATTRSNVILLE___SOLAR 323815	31.12 1.24 -0.28	28.16 1.21 0.00	26.87 1.16 0.00	26.87 1.08 0.00	28.92 0.98 -0.04	32.75 1.11 -0.82	41.20 1.41 -1.58	41.14 1.39 -1.16	39.14 1.06 -0.15	36.01 0.81 0.00	36.48 0.89 -0.02	35.47 0.90 -0.02	34.62 0.88 0.00	35.62 0.97 -0.06	37.31 1.12 -0.02	39.24 1.22 0.00	42.45 1.43 -0.09	49.51 1.81 0.00	52.14 2.05 0.00	53.93 2.22 0.00	53.01 2.23 0.00	43.85 1.73 0.00	35.39 1.49 0.00	34.50 1.34 -4.74
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	28.50 -1.10 0.00	25.68 -1.27 0.00	24.68 -1.03 0.00	24.67 -1.11 0.00	26.32 -1.59 0.00	29.46 -1.36 0.00	36.07 -2.14 0.00	36.27 -2.32 0.00	35.69 -2.24 0.00	32.84 -2.36 0.00	33.12 -2.45 0.00	32.03 -2.52 0.00	30.98 -2.77 0.00	31.72 -2.87 0.00	33.16 -3.00 0.00	34.87 -3.16 0.00	37.49 -3.44 0.00	43.83 -3.86 0.00	46.23 -3.86 0.00	47.93 -3.77 0.00	47.12 -3.66 0.00	39.64 -2.49 0.00	32.00 -1.90 0.00	26.88 -2.16 -0.62
PAWLING_115_KV_BK3_REV_LBMP_H 345028	31.73 2.13 0.00	29.05 2.10 0.00	27.66 1.95 0.00	27.61 1.83 0.00	29.53 1.62 0.00	32.51 1.70 0.00	40.43 2.22 0.00	41.13 2.55 0.00	40.63 2.69 0.00	37.70 2.50 0.00	37.99 2.42 0.00	36.87 2.32 0.00	36.21 2.46 0.00	37.12 2.53 0.00	38.84 2.68 0.00	40.92 2.89 0.00	43.88 2.95 0.00	51.03 3.34 0.00	53.39 3.31 0.00	55.12 3.41 0.00	54.23 3.45 0.00	44.73 2.61 0.00	36.30 2.41 0.00	34.17 2.16 -3.58
PEEKSKILL___ 23653	31.58 1.98 0.00	28.91 1.97 0.00	27.56 1.85 0.00	27.48 1.70 0.00	29.44 1.53 0.00	32.36 1.54 0.00	40.23 2.02 0.00	40.94 2.35 0.00	40.44 2.50 0.00	37.59 2.39 0.00	37.82 2.24 0.00	36.83 2.28 0.00	36.04 2.30 0.00	36.95 2.35 0.00	38.65 2.49 0.00	40.65 2.62 0.00	43.59 2.66 0.00	50.65 2.96 0.00	53.04 2.95 0.00	54.71 3.00 0.00	53.77 2.99 0.00	44.52 2.40 0.00	36.13 2.24 0.00	33.96 2.02 -3.51
PGE MADISON___WINDPWR 24146	32.29 2.69 0.00	29.48 2.53 0.00	28.07 2.36 0.00	28.23 2.45 0.00	30.65 2.74 0.00	34.24 3.42 0.00	42.45 4.24 0.00	42.68 4.09 0.00	42.26 4.32 0.00	38.65 3.45 0.00	38.99 3.42 0.00	37.70 3.14 0.00	36.28 2.53 0.00	36.98 2.39 0.00	38.87 2.71 0.00	41.26 3.23 0.00	44.37 3.44 0.00	52.37 4.68 0.00	54.50 4.41 0.00	56.36 4.66 0.00	55.60 4.83 0.00	45.83 3.71 0.00	36.71 2.81 0.00	31.92 2.10 -1.39

PIERCEFIELD___HYD 23852	28.42 -1.18 0.00	25.71 -1.24 0.00	24.45 -1.26 0.00	24.65 -1.13 0.00	27.04 -0.87 0.00	30.11 -0.71 0.00	37.29 -0.92 0.00	37.78 -0.81 0.00	37.29 -0.64 0.00	34.56 -0.63 0.00	34.93 -0.64 0.00	33.93 -0.62 0.00	33.14 -0.61 0.00	33.87 -0.73 0.00	35.37 -0.80 0.00	37.27 -0.76 0.00	40.15 -0.78 0.00	46.50 -1.19 0.00	48.94 -1.15 0.00	50.47 -1.24 0.00	49.45 -1.32 0.00	41.20 -0.93 0.00	32.64 -1.25 0.00	26.98 -1.45 0.00
PINELAWN_CC_1 323563	48.50 3.02 -15.88	46.75 2.91 -16.89	42.96 2.75 -14.50	29.97 2.60 -1.58	30.44 2.51 -0.02	47.67 2.59 -14.26	48.24 3.36 -6.66	49.12 3.70 -6.83	49.37 3.72 -7.71	50.69 3.35 -12.15	49.51 2.53 -11.40	51.04 2.42 -14.07	53.29 2.40 -17.15	54.32 2.52 -17.20	53.10 2.64 -14.30	54.82 2.77 -14.02	56.24 2.91 -12.41	61.49 2.96 -10.84	65.22 3.11 -12.03	66.15 3.10 -11.33	64.14 3.20 -10.17	54.34 2.70 -9.52	47.19 2.88 -10.41	44.95 2.96 -13.57
PJM_GEN_HTTP_PROXY 323702	31.85 2.25 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.72 1.93 0.00	29.67 1.76 0.00	32.54 1.72 0.00	40.54 2.33 0.00	41.29 2.70 0.00	40.85 2.92 0.00	37.98 2.78 0.00	38.17 2.60 0.00	37.25 2.70 0.00	36.45 2.70 0.00	37.33 2.73 0.00	39.02 2.86 0.00	41.00 2.97 0.00	43.96 3.03 0.00	50.98 3.29 0.00	53.39 3.31 0.00	55.02 3.31 0.00	54.12 3.35 0.00	44.82 2.70 0.00	36.41 2.51 0.00	34.22 2.25 -3.55
PJM_GEN_KEystone 24065	30.01 0.41 0.00	27.32 0.38 0.00	26.10 0.39 0.00	26.07 0.28 0.00	27.88 -0.03 0.00	30.85 0.03 0.00	38.17 -0.04 0.00	38.63 0.04 0.00	38.09 0.15 0.00	35.27 0.07 0.00	35.50 -0.07 0.00	34.42 -0.14 0.00	33.58 -0.17 0.00	34.42 -0.17 0.00	36.02 -0.14 0.00	37.88 -0.15 0.00	40.64 -0.28 0.00	47.36 -0.33 0.00	49.69 -0.40 0.00	51.40 -0.31 0.00	50.57 -0.20 0.00	42.08 -0.04 0.00	34.10 0.20 0.00	30.81 0.20 -2.18
PJM_GEN_NEPTUNE_PROXY 323594	48.20 2.72 -15.88	46.48 2.64 -16.89	42.70 2.49 -14.50	29.71 2.35 -1.58	30.16 2.23 -0.02	47.36 2.28 -14.26	47.81 2.18 -6.66	48.68 3.28 -6.82	47.78 3.34 -6.51	48.51 3.06 -10.25	47.76 2.56 -9.62	48.97 2.56 -11.86	50.45 2.53 -14.17	50.94 2.60 -13.75	50.69 2.75 -11.78	52.56 2.85 -11.68	48.81 2.99 -4.89	50.99 3.29 -0.01	53.50 3.41 -0.01	55.13 3.41 -0.01	54.28 3.50 -0.01	47.32 2.74 -2.46	43.64 2.81 -6.93	42.44 2.59 -11.42
PJM_GEN_VFT_PROXY 323633	25.72 2.16 6.04	25.48 2.13 3.59	24.35 1.98 3.34	27.58 1.80 0.00	29.50 1.59 0.00	32.39 1.57 0.00	40.38 2.18 0.00	41.13 2.55 0.00	40.70 2.77 0.00	37.87 2.67 0.00	38.06 2.49 0.01	36.08 2.59 1.06	34.72 2.60 1.63	31.15 2.76 6.11	37.16 2.85 1.75	39.43 2.85 1.46	42.59 2.86 1.21	50.73 3.10 0.06	53.14 3.06 0.01	54.73 3.10 0.08	51.09 3.10 2.78	43.76 2.53 0.89	34.55 2.41 1.76	32.29 2.19 -1.67
PLATSBURG_115KV_PMLD1 355749	30.25 0.65 0.00	27.30 0.35 0.00	25.86 0.15 0.00	25.88 0.10 0.00	28.13 0.22 0.00	30.94 0.12 0.00	38.32 0.11 0.00	38.97 0.39 0.00	38.73 0.80 0.00	36.11 0.92 0.00	36.50 0.92 0.00	35.45 0.90 0.00	34.73 0.98 0.00	35.53 0.93 0.00	37.07 0.90 0.00	38.94 0.91 0.00	41.87 0.94 0.00	48.79 1.10 0.00	51.19 1.10 0.00	52.64 0.93 0.00	51.23 0.46 0.00	42.25 0.13 0.00	33.69 -0.20 0.00	27.94 -0.48 0.00
PLEASANTVLY___LBMP 24000	31.44 1.84 0.00	28.75 1.81 0.00	27.41 1.70 0.00	27.35 1.57 0.00	29.25 1.34 0.00	32.21 1.39 0.00	40.01 1.80 0.00	40.67 2.08 0.00	40.13 2.20 0.00	37.27 2.08 0.00	37.53 1.96 0.00	36.49 1.93 0.00	35.74 1.99 0.00	36.63 2.04 0.00	38.33 2.17 0.00	40.31 2.28 0.00	43.26 2.33 0.00	50.27 2.58 0.00	52.59 2.50 0.00	54.35 2.64 0.00	53.41 2.64 0.00	44.19 2.06 0.00	35.86 1.97 0.00	33.93 1.79 -3.72
PLSNTVLE_13_KV_13.8KVDIST 80602	31.67 2.07 0.00	28.99 2.05 0.00	27.64 1.93 0.00	27.56 1.78 0.00	29.44 1.53 0.00	32.42 1.60 0.00	40.35 2.14 0.00	41.06 2.47 0.00	40.55 2.62 0.00	37.70 2.50 0.00	37.92 2.35 0.00	36.87 2.32 0.00	36.14 2.40 0.00	37.05 2.46 0.00	38.76 2.60 0.00	40.73 2.70 0.00	43.71 2.78 0.00	50.80 3.10 0.00	53.29 3.21 0.00	54.86 3.15 0.00	53.92 3.15 0.00	44.61 2.49 0.00	36.20 2.31 0.00	34.08 2.08 -3.57
PLSNTVLE_13_KV_13KVDSA_REV_LBMP_I 345020	31.67 2.07 0.00	28.99 2.05 0.00	27.64 1.93 0.00	27.56 1.78 0.00	29.44 1.53 0.00	32.42 1.60 0.00	40.35 2.14 0.00	41.06 2.47 0.00	40.55 2.62 0.00	37.70 2.50 0.00	37.92 2.35 0.00	36.87 2.32 0.00	36.14 2.40 0.00	37.05 2.46 0.00	38.76 2.60 0.00	40.73 2.70 0.00	43.71 2.78 0.00	50.80 3.10 0.00	53.29 3.21 0.00	54.86 3.15 0.00	53.92 3.15 0.00	44.61 2.49 0.00	36.20 2.31 0.00	34.08 2.08 -3.57
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	31.52 1.92 0.00	28.86 1.91 0.00	27.51 1.80 0.00	27.43 1.65 0.00	29.33 1.42 0.00	32.33 1.51 0.00	40.16 1.95 0.00	40.86 2.28 0.00	40.25 2.31 0.00	37.34 2.15 0.00	37.57 1.99 0.00	36.52 1.97 0.00	35.81 2.06 0.00	36.70 2.11 0.00	38.40 2.24 0.00	40.42 2.40 0.00	43.43 2.50 0.00	50.51 2.81 0.00	52.89 2.80 0.00	54.66 2.95 0.00	53.72 2.94 0.00	44.44 2.32 0.00	36.00 2.10 0.00	33.99 1.90 -3.66
POLETTI_____ 23519	31.85 2.25 0.00	29.21 2.26 0.00	27.82 2.11 0.00	27.72 1.93 0.00	29.56 1.65 0.00	32.51 1.70 0.00	40.50 2.29 0.00	41.25 2.66 0.00	40.78 2.84 0.00	37.94 2.75 0.00	38.10 2.53 0.00	37.11 2.56 0.00	36.38 2.63 0.00	37.29 2.70 0.00	38.98 2.82 0.00	40.96 2.93 0.00	43.92 2.99 0.00	50.94 3.24 0.00	53.29 3.21 0.00	54.97 3.26 0.00	54.02 3.25 0.00	44.69 2.57 0.00	36.37 2.47 0.00	34.22 2.25 -3.55
POMONA___ESR 323819	31.55 1.95 0.00	28.89 1.94 0.00	27.51 1.80 0.00	27.43 1.65 0.00	29.39 1.48 0.00	32.30 1.48 0.00	40.20 1.99 0.00	40.90 2.32 0.00	40.40 2.46 0.00	37.52 2.32 0.00	37.74 2.17 0.00	36.77 2.21 0.00	36.01 2.26 0.00	36.88 2.28 0.00	38.58 2.42 0.00	40.58 2.55 0.00	43.55 2.62 0.00	50.61 2.91 0.00	52.99 2.90 0.00	54.65 2.95 0.00	53.77 2.99 0.00	44.48 2.36 0.00	36.07 2.17 0.00	33.80 1.96 -3.42
PORT_JEFF_3 23555	49.36 3.88 -15.88	47.50 3.66 -16.89	43.63 3.42 -14.50	30.61 3.25 -1.58	31.13 3.21 -0.02	48.53 3.45 -14.26	49.30 4.43 -6.66	50.23 4.82 -6.82	49.43 4.47 -7.03	50.34 4.08 -11.07	49.74 3.73 -10.43	51.12 3.59 -12.97	56.87 3.54 -19.58	63.92 3.74 -25.59	56.88 3.91 -16.81	56.88 4.11 -14.74	129.41 4.38 -84.10	181.83 4.96 -129.17	198.63 5.21 -143.33	192.10 5.33 -135.06	177.28 5.33 -121.18	127.81 4.30 -81.39	71.61 4.10 -33.62	52.60 3.98 -20.20
PORT_JEFF_4 23616	49.36 3.88 -15.88	47.50 3.66 -16.89	43.63 3.42 -14.50	30.61 3.25 -1.58	31.13 3.21 -0.02	48.53 3.45 -14.26	49.30 4.43 -6.66	50.23 4.82 -6.82	49.43 4.47 -7.03	50.34 4.08 -11.07	49.74 3.73 -10.43	51.12 3.59 -12.97	56.87 3.54 -19.58	63.92 3.74 -25.59	56.88 3.91 -16.81	56.88 4.11 -14.74	129.41 4.38 -84.10	181.83 4.96 -129.17	198.63 5.21 -143.33	192.10 5.33 -135.06	177.28 5.33 -121.18	127.81 4.30 -81.39	71.61 4.10 -33.62	52.60 3.98 -20.20

PORT_JEFF_IC 23713	49.36 3.88 -15.88	47.48 3.64 -16.89	43.60 3.39 -14.50	30.61 3.25 -1.58	31.02 3.10 -0.02	48.50 3.42 -14.26	49.30 4.43 -6.66	50.23 4.82 -6.82	49.40 4.44 -7.03	50.35 4.08 -11.07	49.67 3.66 -10.43	51.01 3.49 -12.97	56.77 3.44 -19.58	63.88 3.70 -25.59	56.84 3.87 -16.81	56.84 4.07 -14.74	129.36 4.34 -84.10	181.78 4.91 -129.17	198.58 5.16 -143.33	192.05 5.27 -135.06	177.23 5.28 -121.18	127.73 4.21 -81.39	71.58 4.07 -33.62	52.52 3.89 -20.20
PPL PILGRIM_ST_GT1 24216	48.68 3.20 -15.88	46.91 3.07 -16.89	43.09 2.88 -14.50	30.10 2.73 -1.58	30.58 2.65 -0.02	47.85 2.77 -14.26	48.46 3.59 -6.66	49.31 3.90 -6.82	48.92 3.87 -7.11	49.88 3.49 -11.20	49.12 3.02 -10.52	50.49 2.94 -13.01	53.26 2.87 -16.64	55.58 3.04 -17.94	53.29 3.14 -13.98	54.68 3.31 -13.34	71.01 3.36 -26.73	86.13 3.39 -35.05	92.53 3.56 -38.89	91.97 3.62 -36.65	87.31 3.66 -32.88	69.42 3.24 -24.05	51.95 3.39 -14.67	45.97 3.18 -14.36
PPL PILGRIM_ST_GT2 24217	48.68 3.20 -15.88	46.91 3.07 -16.89	43.09 2.88 -14.50	30.10 2.73 -1.58	30.58 2.65 -0.02	47.85 2.77 -14.26	48.46 3.59 -6.66	49.31 3.90 -6.82	48.92 3.87 -7.11	49.88 3.49 -11.20	49.12 3.02 -10.52	50.49 2.94 -13.01	53.26 2.87 -16.64	55.58 3.04 -17.94	53.29 3.14 -13.98	54.68 3.31 -13.34	71.01 3.36 -26.73	86.13 3.39 -35.05	92.53 3.56 -38.89	91.97 3.62 -36.65	87.31 3.66 -32.88	69.42 3.24 -24.05	51.95 3.39 -14.67	45.97 3.18 -14.36
PPL_SHRM_GT3 24213	49.15 3.67 -15.88	47.32 3.48 -16.89	43.45 3.24 -14.50	30.46 3.09 -1.58	30.94 3.02 -0.02	48.34 3.27 -14.26	49.08 4.20 -6.66	50.00 4.59 -6.82	49.41 4.47 -7.00	50.31 4.08 -11.03	49.64 3.66 -10.40	51.02 3.53 -12.94	57.06 3.48 -19.84	64.53 3.63 -26.30	57.01 3.80 -17.06	56.87 3.99 -14.85	134.86 4.26 -89.67	190.81 4.77 -138.34	208.66 5.06 -153.51	201.53 5.17 -144.65	185.74 5.18 -129.78	133.31 4.21 -86.98	73.41 4.07 -35.45	52.93 3.75 -20.75
PPL_SHRM_GT4 24214	49.15 3.67 -15.88	47.32 3.48 -16.89	43.45 3.24 -14.50	30.46 3.09 -1.58	30.94 3.02 -0.02	48.34 3.27 -14.26	49.08 4.20 -6.66	50.00 4.59 -6.82	49.41 4.47 -7.00	50.31 4.08 -11.03	49.64 3.66 -10.40	51.02 3.53 -12.94	57.06 3.48 -19.84	64.53 3.63 -26.30	57.01 3.80 -17.06	56.87 3.99 -14.85	134.86 4.26 -89.67	190.81 4.77 -138.34	208.66 5.06 -153.51	201.53 5.17 -144.65	185.74 5.18 -129.78	133.31 4.21 -86.98	73.41 4.07 -35.45	52.93 3.75 -20.75
PROJECT___ORANGE 1 24174	29.42 -0.18 0.00	26.76 -0.19 0.00	25.55 -0.15 0.00	25.58 -0.21 0.00	27.55 -0.36 0.00	30.51 -0.31 0.00	37.83 -0.38 0.00	38.09 -0.50 0.00	37.40 -0.53 0.00	34.70 -0.49 0.00	35.15 -0.43 0.00	34.07 -0.48 0.00	33.24 -0.51 0.00	34.11 -0.48 0.00	35.69 -0.47 0.00	37.57 -0.46 0.00	40.36 -0.57 0.00	47.12 -0.57 0.00	49.44 -0.65 0.00	51.04 -0.67 0.00	50.11 -0.66 0.00	41.66 -0.46 0.00	33.56 -0.34 0.00	28.61 -0.14 -0.33
PROJECT___ORANGE 2 24166	29.42 -0.18 0.00	26.76 -0.19 0.00	25.55 -0.15 0.00	25.58 -0.21 0.00	27.55 -0.36 0.00	30.51 -0.31 0.00	37.83 -0.38 0.00	38.09 -0.50 0.00	37.40 -0.53 0.00	34.70 -0.49 0.00	35.15 -0.43 0.00	34.07 -0.48 0.00	33.24 -0.51 0.00	34.11 -0.48 0.00	35.69 -0.47 0.00	37.57 -0.46 0.00	40.36 -0.57 0.00	47.12 -0.57 0.00	49.44 -0.65 0.00	51.04 -0.67 0.00	50.11 -0.66 0.00	41.66 -0.46 0.00	33.56 -0.34 0.00	28.61 -0.14 -0.33
PUCKETT___SOLAR 323809	30.31 0.71 0.00	27.59 0.65 0.00	26.35 0.64 0.00	26.38 0.59 0.00	28.38 0.47 0.00	31.53 0.71 0.00	39.09 0.88 0.00	39.36 0.77 0.00	38.65 0.72 0.00	35.73 0.53 0.00	36.07 0.50 0.00	34.90 0.35 0.00	33.92 0.17 0.00	34.73 0.14 0.00	36.42 0.25 0.00	38.37 0.34 0.00	41.25 0.33 0.00	48.36 0.67 0.00	50.74 0.65 0.00	52.49 0.78 0.00	51.58 0.81 0.00	42.84 0.72 0.00	34.47 0.58 0.00	30.11 0.43 -1.26
PYRITES___HYD 24023	28.98 -0.62 0.00	26.22 -0.73 0.00	24.96 -0.75 0.00	25.19 -0.59 0.00	27.69 -0.22 0.00	30.88 0.06 0.00	38.25 0.04 0.00	38.63 0.04 0.00	38.08 0.15 0.00	35.20 0.00 0.00	35.54 -0.04 0.00	34.55 0.00 0.00	33.71 -0.03 0.00	34.45 -0.14 0.00	35.98 -0.18 0.00	37.95 -0.08 0.00	40.93 0.00 0.00	47.55 -0.14 0.00	50.09 0.00 0.00	51.76 0.05 0.00	50.77 0.00 0.00	42.29 0.17 0.00	33.46 -0.44 0.00	27.60 -0.82 0.00
QUAKERRD_115KV_BK1 80622	28.30 -1.30 0.00	25.60 -1.35 0.00	24.48 -1.23 0.00	24.49 -1.29 0.00	26.29 -1.62 0.00	29.28 -1.54 0.00	36.07 -2.14 0.00	36.23 -2.35 0.00	35.69 -2.24 0.00	33.05 -2.15 0.00	33.44 -2.13 0.00	32.41 -2.14 0.00	31.55 -2.19 0.00	32.34 -2.25 0.00	33.85 -2.31 0.00	35.63 -2.40 0.00	38.19 -2.74 0.00	44.64 -3.05 0.00	46.98 -3.11 0.00	48.66 -3.05 0.00	47.73 -3.05 0.00	39.93 -2.19 0.00	32.17 -1.73 0.00	27.71 -1.14 -0.42
QUENSBRY_115KV_TB8 356137	32.78 1.57 -1.61	28.51 1.56 0.00	27.12 1.41 0.00	27.15 1.34 -0.03	29.38 1.26 -0.22	37.00 1.45 -4.73	49.25 1.95 -9.09	47.28 2.01 -6.68	40.35 1.52 -0.90	36.39 1.20 0.00	37.07 1.39 -0.10	36.07 1.38 -0.14	35.00 1.25 0.00	36.38 1.42 -0.37	37.93 1.63 -0.14	39.85 1.83 0.00	43.65 2.21 -0.51	50.41 2.72 0.00	53.19 3.11 0.00	55.07 3.36 0.00	54.12 3.35 0.00	44.65 2.53 0.00	35.93 2.03 0.00	34.87 1.82 -4.63
RAMAPO___LBMP 323565	31.46 1.86 0.00	28.78 1.83 0.00	27.43 1.72 0.00	27.38 1.60 0.00	29.25 1.34 0.00	32.24 1.42 0.00	40.08 1.87 0.00	40.79 2.20 0.00	40.28 2.35 0.00	37.41 2.22 0.00	37.64 2.06 0.00	36.59 2.04 0.00	35.87 2.13 0.00	36.77 2.18 0.00	38.48 2.31 0.00	40.42 2.40 0.00	43.43 2.50 0.00	50.41 2.72 0.00	52.79 2.70 0.00	54.45 2.74 0.00	53.57 2.79 0.00	44.31 2.19 0.00	35.97 2.07 0.00	33.70 1.88 -3.40
RANKINE____ 23646	28.36 -1.24 0.00	25.54 -1.40 0.00	24.55 -1.16 0.00	24.54 -1.24 0.00	26.18 -1.73 0.00	29.31 -1.51 0.00	35.84 -2.37 0.00	35.96 -2.62 0.00	35.43 -2.50 0.00	32.59 -2.60 0.00	32.87 -2.70 0.00	31.79 -2.76 0.00	30.74 -3.00 0.00	31.48 -3.11 0.00	32.87 -3.29 0.00	34.57 -3.46 0.00	37.12 -3.81 0.00	43.40 -4.29 0.00	45.83 -4.26 0.00	47.52 -4.19 0.00	46.66 -4.11 0.00	39.34 -2.78 0.00	31.80 -2.10 0.00	27.21 -1.82 -0.60
RAVENSWOOD_GT2_1 24244	31.85 2.25 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.72 1.93 0.00	29.56 1.65 0.00	32.54 1.73 0.00	40.54 2.33 0.00	41.29 2.70 0.00	40.85 2.92 0.00	37.98 2.78 0.00	38.17 2.60 0.00	37.18 2.63 0.00	36.45 2.70 0.00	37.33 2.73 0.00	39.05 2.89 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.39 3.31 0.00	55.07 3.36 0.00	54.12 3.35 0.00	44.78 2.65 0.00	36.41 2.51 0.00	34.22 2.25 -3.55
RAVENSWOOD_GT2_2 24245	31.85 2.25 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.72 1.93 0.00	29.56 1.65 0.00	32.54 1.73 0.00	40.54 2.33 0.00	41.29 2.70 0.00	40.85 2.92 0.00	37.98 2.78 0.00	38.17 2.60 0.00	37.18 2.63 0.00	36.45 2.70 0.00	37.33 2.73 0.00	39.05 2.89 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.39 3.31 0.00	55.07 3.36 0.00	54.12 3.35 0.00	44.78 2.65 0.00	36.41 2.51 0.00	34.22 2.25 -3.55



RAVENSWOOD_GT2_3 24246	31.88 2.28 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.72 1.93 0.00	29.56 1.65 0.00	32.54 1.73 0.00	40.54 2.33 0.00	41.29 2.70 0.00	40.85 2.92 0.00	38.01 2.82 0.00	38.17 2.60 0.00	37.18 2.63 0.00	36.45 2.70 0.00	37.36 2.77 0.00	39.05 2.89 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.44 3.36 0.00	55.07 3.36 0.00	54.18 3.40 0.00	44.78 2.65 0.00	36.41 2.51 0.00	34.25 2.27 -3.55
RAVENSWOOD_GT2_4 24247	31.88 2.28 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.72 1.93 0.00	29.56 1.65 0.00	32.54 1.73 0.00	40.54 2.33 0.00	41.29 2.70 0.00	40.85 2.92 0.00	38.01 2.82 0.00	38.17 2.60 0.00	37.18 2.63 0.00	36.45 2.70 0.00	37.36 2.77 0.00	39.05 2.89 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.44 3.36 0.00	55.07 3.36 0.00	54.18 3.40 0.00	44.78 2.65 0.00	36.41 2.51 0.00	34.25 2.27 -3.55
RAVENSWOOD_GT3_1 24248	31.85 2.25 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.72 1.93 0.00	29.56 1.65 0.00	32.54 1.73 0.00	40.54 2.33 0.00	41.29 2.70 0.00	40.85 2.92 0.00	37.98 2.78 0.00	38.17 2.60 0.00	37.18 2.63 0.00	36.45 2.70 0.00	37.36 2.77 0.00	39.05 2.89 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.39 3.31 0.00	55.07 3.36 0.00	54.12 3.35 0.00	44.78 2.65 0.00	36.41 2.51 0.00	34.25 2.27 -3.55
RAVENSWOOD_GT3_2 24249	31.85 2.25 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.72 1.93 0.00	29.56 1.65 0.00	32.54 1.73 0.00	40.54 2.33 0.00	41.29 2.70 0.00	40.85 2.92 0.00	37.98 2.78 0.00	38.17 2.60 0.00	37.18 2.63 0.00	36.45 2.70 0.00	37.36 2.77 0.00	39.05 2.89 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.39 3.31 0.00	55.07 3.36 0.00	54.12 3.35 0.00	44.78 2.65 0.00	36.41 2.51 0.00	34.25 2.27 -3.55
RAVENSWOOD_GT3_3 24250	31.91 2.31 0.00	29.21 2.26 0.00	27.84 2.13 0.00	27.74 1.96 0.00	29.58 1.67 0.00	32.58 1.76 0.00	40.58 2.37 0.00	41.33 2.74 0.00	40.89 2.96 0.00	38.05 2.85 0.00	38.24 2.67 0.00	37.21 2.66 0.00	36.48 2.73 0.00	37.40 2.80 0.00	39.09 2.93 0.00	41.07 3.04 0.00	44.04 3.11 0.00	51.08 3.39 0.00	53.49 3.41 0.00	55.12 3.41 0.00	54.23 3.45 0.00	44.82 2.70 0.00	36.44 2.54 0.00	34.28 2.30 -3.55
RAVENSWOOD_GT3_4 24251	31.91 2.31 0.00	29.21 2.26 0.00	27.84 2.13 0.00	27.74 1.96 0.00	29.58 1.67 0.00	32.58 1.76 0.00	40.58 2.37 0.00	41.33 2.74 0.00	40.89 2.96 0.00	38.05 2.85 0.00	38.24 2.67 0.00	37.21 2.66 0.00	36.48 2.73 0.00	37.40 2.80 0.00	39.09 2.93 0.00	41.07 3.04 0.00	44.04 3.11 0.00	51.08 3.39 0.00	53.49 3.41 0.00	55.12 3.41 0.00	54.23 3.45 0.00	44.82 2.70 0.00	36.44 2.54 0.00	34.28 2.30 -3.55
RAVENSWOOD_GT_1 23729	31.91 2.31 0.00	29.29 2.34 0.00	27.92 2.21 0.00	27.82 2.04 0.00	29.61 1.70 0.00	32.58 1.76 0.00	40.51 2.29 0.00	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.25 2.67 -0.01	38.87 2.76 -1.55	38.96 2.83 -2.38	46.98 2.91 -9.48	41.75 3.04 -2.56	43.27 3.12 -2.12	45.88 3.19 -1.76	51.27 3.48 -0.09	53.55 3.46 -0.01	55.29 3.46 -0.11	58.29 3.45 -4.06	46.12 2.70 -1.30	39.00 2.54 -2.56	37.02 2.30 -6.30
RAVENSWOOD_GT_10 24258	31.85 2.25 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.72 1.93 0.00	29.56 1.65 0.00	32.54 1.73 0.00	40.54 2.33 0.00	41.29 2.70 0.00	40.85 2.92 0.00	37.98 2.78 0.00	38.17 2.60 0.00	37.18 2.63 0.00	36.45 2.70 0.00	37.27 2.73 0.05	39.05 2.89 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.39 3.31 0.00	55.07 3.36 0.00	54.12 3.35 0.00	44.78 2.65 0.00	36.41 2.51 0.00	34.22 2.25 -3.55
RAVENSWOOD_GT_11 24259	31.85 2.25 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.72 1.93 0.00	29.56 1.65 0.00	32.54 1.73 0.00	40.54 2.33 0.00	41.29 2.70 0.00	40.85 2.92 0.00	37.98 2.78 0.00	38.17 2.60 0.00	37.18 2.63 0.00	36.45 2.70 0.00	37.27 2.73 0.05	39.05 2.89 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.39 3.31 0.00	55.07 3.36 0.00	54.12 3.35 0.00	44.78 2.65 0.00	36.41 2.51 0.00	34.22 2.25 -3.55
RAVENSWOOD_GT_4 24252	31.85 2.25 0.00	29.18 2.24 0.00	27.79 2.08 0.00	27.69 1.91 0.00	29.56 1.65 0.00	32.55 1.73 0.00	40.54 2.33 0.00	41.29 2.70 0.00	40.85 2.92 0.00	37.98 2.78 0.00	38.18 2.60 -0.01	38.33 2.59 -1.18	38.22 2.67 -1.81	43.72 2.73 -6.40	40.96 2.86 -1.95	42.61 2.97 -1.62	45.30 3.03 -1.34	51.06 3.29 -0.07	53.40 3.31 -0.01	55.16 3.36 -0.09	57.22 3.35 -3.09	45.77 2.65 -0.99	38.36 2.51 -1.95	36.31 2.25 -5.64
RAVENSWOOD_GT_5 24254	31.85 2.25 0.00	29.18 2.24 0.00	27.79 2.08 0.00	27.69 1.91 0.00	29.56 1.65 0.00	32.55 1.73 0.00	40.54 2.33 0.00	41.29 2.70 0.00	40.85 2.92 0.00	37.98 2.78 0.00	38.18 2.60 -0.01	38.33 2.59 -1.18	38.22 2.67 -1.81	43.72 2.73 -6.40	40.96 2.86 -1.95	42.61 2.97 -1.62	45.30 3.03 -1.34	51.06 3.29 -0.07	53.40 3.31 -0.01	55.16 3.36 -0.09	57.22 3.35 -3.09	45.77 2.65 -0.99	38.36 2.51 -1.95	36.31 2.25 -5.64
RAVENSWOOD_GT_6 24253	31.85 2.25 0.00	29.18 2.24 0.00	27.79 2.08 0.00	27.69 1.91 0.00	29.56 1.65 0.00	32.55 1.73 0.00	40.54 2.33 0.00	41.29 2.70 0.00	40.85 2.92 0.00	37.98 2.78 0.00	38.18 2.60 -0.01	38.33 2.59 -1.18	38.22 2.67 -1.81	43.72 2.73 -6.40	40.96 2.86 -1.95	42.61 2.97 -1.62	45.30 3.03 -1.34	51.06 3.29 -0.07	53.40 3.31 -0.01	55.16 3.36 -0.09	57.22 3.35 -3.09	45.77 2.65 -0.99	38.36 2.51 -1.95	36.31 2.25 -5.64
RAVENSWOOD_GT_7 24255	31.85 2.25 0.00	29.18 2.24 0.00	27.79 2.08 0.00	27.69 1.91 0.00	29.56 1.65 0.00	32.55 1.73 0.00	40.54 2.33 0.00	41.29 2.70 0.00	40.85 2.92 0.00	37.98 2.78 0.00	38.18 2.60 -0.01	38.33 2.59 -1.18	38.22 2.67 -1.81	43.72 2.73 -6.40	40.96 2.86 -1.95	42.61 2.97 -1.62	45.30 3.03 -1.34	51.06 3.29 -0.07	53.40 3.31 -0.01	55.16 3.36 -0.09	57.22 3.35 -3.09	45.77 2.65 -0.99	38.36 2.51 -1.95	36.31 2.25 -5.64
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	31.85 2.25 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.72 1.93 0.00	29.56 1.65 0.00	32.54 1.73 0.00	40.54 2.33 0.00	41.29 2.70 0.00	40.85 2.92 0.00	37.98 2.78 0.00	38.17 2.60 0.00	37.18 2.63 0.00	36.45 2.70 0.00	37.27 2.73 0.05	39.05 2.89 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.39 3.31 0.00	55.07 3.36 0.00	54.12 3.35 0.00	44.78 2.65 0.00	36.41 2.51 0.00	34.22 2.25 -3.55
RAVENSWOOD_GT_9 24257	31.85 2.25 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.72 1.93 0.00	29.56 1.65 0.00	32.54 1.73 0.00	40.54 2.33 0.00	41.29 2.70 0.00	40.85 2.92 0.00	37.98 2.78 0.00	38.17 2.60 0.00	37.18 2.63 0.00	36.45 2.70 0.00	37.27 2.73 0.05	39.05 2.89 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.39 3.31 0.00	55.07 3.36 0.00	54.12 3.35 0.00	44.78 2.65 0.00	36.41 2.51 0.00	34.22 2.25 -3.55

RAVENSWOOD___1 23533	31.91 2.31 0.00	29.26 2.32 0.00	27.89 2.18 0.00	27.79 2.01 0.00	29.75 1.84 0.00	32.54 1.72 0.00	40.50 2.29 0.00	41.25 2.66 0.00	40.85 2.92 0.00	38.01 2.82 0.00	38.24 2.67 0.00	37.39 2.83 0.00	36.58 2.84 0.00	38.04 2.91 -0.54	39.16 3.00 0.00	41.15 3.12 0.00	44.12 3.19 0.00	51.18 3.48 0.00	53.50 3.41 0.00	55.17 3.46 0.00	54.23 3.45 0.00	44.82 2.70 0.00	36.44 2.54 0.00	34.28 2.30 -3.55
RAVENSWOOD___2 23534	31.88 2.28 0.00	29.26 2.32 0.00	27.89 2.18 0.00	27.79 2.01 0.00	29.72 1.81 0.00	32.54 1.72 0.00	40.46 2.25 0.00	41.25 2.66 0.00	40.85 2.92 0.00	38.01 2.82 0.00	38.21 2.63 0.00	37.39 2.83 0.00	36.55 2.80 0.00	38.00 2.87 -0.54	39.16 3.00 0.00	41.15 3.12 0.00	44.12 3.19 0.00	51.13 3.44 0.00	53.50 3.41 0.00	55.12 3.41 0.00	54.23 3.45 0.00	44.82 2.70 0.00	36.44 2.54 0.00	34.28 2.30 -3.55
RAVENSWOOD___3 23535	31.85 2.25 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.72 1.93 0.00	29.67 1.76 0.00	32.54 1.72 0.00	40.54 2.33 0.00	41.29 2.70 0.00	40.85 2.92 0.00	37.98 2.78 0.00	38.17 2.60 0.00	37.25 2.70 0.00	36.45 2.70 0.00	37.36 2.77 0.00	39.05 2.89 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.44 3.36 0.00	55.07 3.36 0.00	54.18 3.40 0.00	44.82 2.70 0.00	36.41 2.51 0.00	34.25 2.27 -3.55
RAVENSWOOD___4 23820	31.88 2.28 0.00	29.26 2.32 0.00	27.89 2.18 0.00	27.76 1.99 0.00	29.72 1.81 0.00	32.54 1.72 0.00	40.46 2.25 0.00	41.25 2.66 0.00	40.81 2.88 0.00	37.98 2.78 0.00	38.20 2.63 0.01	35.82 2.80 1.53	34.20 2.80 2.34	29.19 2.87 8.27	36.64 3.00 2.52	39.02 3.08 2.09	42.35 3.15 1.74	51.04 3.44 0.09	53.49 3.41 0.01	55.01 3.41 0.11	50.18 3.40 4.00	43.54 2.70 1.28	33.92 2.54 2.53	31.55 2.27 -0.85
RCPL_TRUST___DRP 24196	32.09 2.49 0.00	29.37 2.43 0.00	28.00 2.29 0.00	27.90 2.11 0.00	29.75 1.84 0.00	32.79 1.97 0.00	40.88 2.67 0.00	41.67 3.09 0.00	41.23 3.30 0.00	38.36 3.17 0.00	38.53 2.95 0.00	37.46 2.90 0.00	36.72 2.97 0.00	37.60 3.01 0.00	39.34 3.18 0.00	41.30 3.27 0.00	44.29 3.36 0.00	51.37 3.67 0.00	53.69 3.61 0.00	55.38 3.67 0.00	54.43 3.66 0.00	44.99 2.86 0.00	36.58 2.68 0.00	34.36 2.39 -3.55
RED___ROCHESTER 323720	28.92 -0.68 0.00	26.14 -0.81 0.00	24.99 -0.72 0.00	24.98 -0.80 0.00	26.79 -1.12 0.00	29.92 -0.89 0.00	36.72 -1.49 0.00	36.89 -1.70 0.00	36.41 -1.52 0.00	33.72 -1.48 0.00	34.08 -1.49 0.00	32.90 -1.66 0.00	32.09 -1.65 0.00	32.97 -1.63 0.00	34.50 -1.66 0.00	36.32 -1.71 0.00	38.92 -2.00 0.00	45.50 -2.19 0.00	47.89 -2.20 0.00	49.64 -2.07 0.00	48.69 -2.08 0.00	40.69 -1.43 0.00	32.88 -1.02 0.00	28.32 -0.54 -0.44
REGAN___SOLAR 323812	31.87 2.01 -0.26	28.86 1.91 0.00	27.51 1.80 0.00	27.51 1.73 0.00	29.65 1.70 -0.03	33.55 1.97 -0.76	42.19 2.52 -1.46	42.13 2.47 -1.08	40.00 1.93 -0.14	36.71 1.51 0.00	37.23 1.64 -0.02	36.16 1.59 -0.02	35.23 1.48 0.00	36.28 1.63 -0.06	38.10 1.92 -0.02	40.16 2.13 0.00	43.59 2.58 -0.08	50.98 3.29 0.00	53.85 3.76 0.00	55.85 4.14 0.00	54.88 4.11 0.00	45.32 3.20 0.00	36.47 2.57 0.00	35.63 2.25 -4.96
RENSSELAER___COGEN 23796	28.03 0.68 2.25	27.67 0.73 0.00	26.38 0.67 0.00	26.36 0.62 0.04	28.02 0.42 0.30	24.63 0.43 6.62	26.07 0.57 12.72	29.93 0.70 9.35	37.06 0.42 1.29	35.51 0.32 0.00	35.82 0.39 0.15	34.80 0.45 0.20	34.18 0.44 0.00	34.61 0.55 0.54	36.53 0.58 0.21	38.56 0.53 0.00	40.80 0.61 0.74	48.36 0.67 0.00	50.84 0.75 0.00	52.49 0.78 0.00	51.54 0.76 0.00	42.67 0.55 0.00	34.64 0.74 0.00	33.64 0.74 -4.48
REPUBLIC_115KV_BARTNBRK 55605	33.55 2.28 -1.67	29.18 2.24 0.00	27.77 2.06 0.00	27.74 1.93 -0.03	30.01 1.87 -0.23	38.00 2.25 -4.93	50.69 3.02 -9.46	48.59 3.05 -6.95	41.10 2.24 -0.93	36.96 1.76 0.00	37.71 2.03 -0.11	36.77 2.07 -0.14	35.60 1.86 0.00	37.02 2.04 -0.39	38.66 2.35 -0.15	40.65 2.62 0.00	44.74 3.27 -0.53	51.80 4.10 0.00	54.80 4.71 0.00	56.88 5.17 0.00	55.90 5.13 0.00	46.00 3.88 0.00	36.95 3.05 0.00	35.75 2.70 -4.63
REVERE_CPPR_DRP 24186	30.37 0.77 0.00	27.59 0.65 0.00	26.30 0.59 0.00	26.35 0.57 0.00	28.52 0.61 0.00	31.65 0.83 0.00	39.24 1.03 0.00	39.55 0.96 0.00	39.00 1.06 0.00	35.97 0.77 0.00	36.36 0.78 0.00	35.24 0.69 0.00	34.25 0.51 0.00	35.04 0.45 0.00	36.78 0.61 0.00	38.83 0.80 0.00	41.83 0.90 0.00	49.03 1.34 0.00	51.34 1.25 0.00	53.10 1.40 0.00	52.25 1.47 0.00	43.26 1.14 0.00	34.75 0.85 0.00	29.29 0.68 -0.18
REYNLDPA_13_KV_LD 356490	29.27 -0.33 0.00	26.54 -0.40 0.00	25.30 -0.41 0.00	25.47 -0.31 0.00	27.91 0.00 0.00	30.85 0.03 0.00	38.21 0.00 0.00	38.66 0.08 0.00	38.12 0.19 0.00	35.44 0.25 0.00	35.82 0.25 0.00	34.79 0.24 0.00	34.05 0.30 0.00	34.84 0.24 0.00	36.34 0.18 0.00	38.22 0.19 0.00	41.17 0.25 0.00	47.89 0.19 0.00	50.34 0.25 0.00	51.92 0.21 0.00	50.88 0.10 0.00	42.25 0.13 0.00	33.73 -0.17 0.00	27.97 -0.45 0.00
REYNOLDS_115KV_TB3 80639	27.57 0.89 2.91	27.84 0.89 0.00	26.56 0.85 0.00	26.53 0.80 0.05	28.16 0.64 0.39	22.89 0.65 8.58	22.58 0.84 16.47	27.41 0.93 12.11	36.92 0.64 1.66	35.72 0.53 0.00	35.99 0.60 0.19	34.95 0.66 0.26	34.35 0.61 0.00	34.67 0.76 0.69	36.69 0.80 0.27	38.79 0.76 0.00	40.84 0.86 0.95	48.70 1.00 0.00	51.19 1.10 0.00	52.90 1.19 0.00	51.94 1.17 0.00	42.97 0.84 0.00	34.88 0.98 0.00	33.85 0.94 -4.49
RIVERBAY____ 323610	31.97 2.37 0.00	29.45 2.51 0.00	28.07 2.37 0.00	27.95 2.17 0.00	29.61 1.70 0.00	32.54 1.73 0.00	40.43 2.22 0.00	41.21 2.62 0.00	40.78 2.84 0.00	37.94 2.75 0.00	38.17 2.60 0.00	37.21 2.66 0.00	36.48 2.73 0.00	37.39 2.80 0.01	39.05 2.89 0.00	41.03 3.00 0.00	44.00 3.07 0.00	51.03 3.34 0.00	53.34 3.26 0.00	55.07 3.36 0.00	54.18 3.40 0.00	44.78 2.65 0.00	36.51 2.61 0.00	34.39 2.42 -3.55
RIVERSDE_115KV_TB3 55908	27.94 0.80 2.46	27.78 0.84 0.00	26.48 0.77 0.00	26.46 0.72 0.04	28.13 0.56 0.33	24.13 0.55 7.25	25.02 0.73 13.91	29.21 0.85 10.23	37.10 0.57 1.40	35.65 0.46 0.00	35.94 0.53 0.16	34.92 0.59 0.22	34.29 0.54 0.00	34.70 0.69 0.58	36.66 0.72 0.23	38.75 0.72 0.00	40.90 0.78 0.80	48.60 0.91 0.00	51.04 0.95 0.00	52.74 1.03 0.00	51.79 1.02 0.00	42.84 0.72 0.00	34.81 0.92 0.00	33.80 0.88 -4.50
ROARING___BROOK_WT_PWR 323790	29.54 -0.06 0.00	26.81 -0.13 0.00	25.50 -0.21 0.00	25.55 -0.23 0.00	27.60 -0.31 0.00	30.42 -0.40 0.00	37.67 -0.53 0.00	38.13 -0.46 0.00	37.59 -0.34 0.00	35.02 -0.18 0.00	35.47 -0.11 0.00	34.42 -0.14 0.00	33.55 -0.20 0.00	34.32 -0.28 0.00	35.80 -0.36 0.00	37.61 -0.42 0.00	40.48 -0.45 0.00	47.13 -0.57 0.00	49.44 -0.65 0.00	50.93 -0.77 0.00	49.76 -1.02 0.00	41.07 -1.05 0.00	32.95 -0.95 0.00	27.57 -0.85 0.00

ROCHESRG_115KV_T4 355643	28.65 -0.95 0.00	25.90 -1.05 0.00	24.78 -0.93 0.00	24.78 -1.01 0.00	26.60 -1.31 0.00	29.65 -1.17 0.00	36.41 -1.80 0.00	36.54 -2.05 0.00	36.04 -1.90 0.00	33.33 -1.87 0.00	33.69 -1.89 0.00	32.65 -1.90 0.00	31.76 -1.99 0.00	32.55 -2.04 0.00	34.06 -2.10 0.00	35.82 -2.21 0.00	38.39 -2.54 0.00	44.93 -2.77 0.00	47.28 -2.80 0.00	49.02 -2.69 0.00	48.08 -2.69 0.00	40.35 -1.77 0.00	32.51 -1.39 0.00	28.06 -0.80 -0.43
ROCHESTER_9_IC 23652	28.80 -0.80 0.00	26.03 -0.92 0.00	24.91 -0.80 0.00	24.91 -0.88 0.00	26.71 -1.20 0.00	29.80 -1.02 0.00	36.60 -1.60 0.00	36.74 -1.85 0.00	36.23 -1.71 0.00	33.54 -1.65 0.00	33.90 -1.67 0.00	32.86 -1.69 0.00	31.96 -1.79 0.00	32.76 -1.83 0.00	34.28 -1.88 0.00	36.09 -1.94 0.00	38.68 -2.25 0.00	45.22 -2.48 0.00	47.58 -2.50 0.00	49.33 -2.38 0.00	48.39 -2.39 0.00	40.61 -1.52 0.00	32.71 -1.19 0.00	28.21 -0.65 -0.44
ROCKVIEW_13_KV_LD 356306	31.82 2.22 0.00	29.13 2.18 0.00	27.77 2.06 0.00	27.66 1.88 0.00	29.56 1.65 0.00	32.54 1.73 0.00	40.54 2.33 0.00	41.29 2.70 0.00	40.78 2.84 0.00	37.94 2.75 0.00	38.14 2.56 0.00	37.11 2.56 0.00	36.38 2.63 0.00	37.26 2.66 0.00	38.98 2.82 0.00	40.99 2.97 0.00	43.96 3.03 0.00	51.03 3.34 0.00	53.49 3.41 0.00	55.12 3.41 0.00	54.18 3.40 0.00	44.82 2.70 0.00	36.41 2.51 0.00	34.22 2.25 -3.55
ROME____115KV_TB2 80656	30.37 0.77 0.00	27.59 0.65 0.00	26.30 0.59 0.00	26.35 0.57 0.00	28.52 0.61 0.00	31.65 0.83 0.00	39.24 1.03 0.00	39.55 0.96 0.00	39.00 1.06 0.00	35.97 0.77 0.00	36.36 0.78 0.00	35.24 0.69 0.00	34.25 0.51 0.00	35.04 0.45 0.00	36.78 0.61 0.00	38.83 0.80 0.00	41.83 0.90 0.00	49.03 1.34 0.00	51.34 1.25 0.00	53.10 1.40 0.00	52.25 1.47 0.00	43.26 1.14 0.00	34.75 0.85 0.00	29.29 0.68 -0.18
ROSETON___1 23587	31.44 1.84 0.00	28.75 1.81 0.00	27.43 1.72 0.00	27.35 1.57 0.00	29.30 1.39 0.00	32.21 1.39 0.00	40.04 1.83 0.00	40.71 2.12 0.00	40.17 2.24 0.00	37.31 2.11 0.00	37.57 1.99 0.00	36.56 2.00 0.00	35.77 2.02 0.00	36.67 2.08 0.00	38.37 2.21 0.00	40.35 2.32 0.00	43.30 2.37 0.00	50.32 2.62 0.00	52.64 2.55 0.00	54.40 2.69 0.00	53.46 2.69 0.00	44.27 2.15 0.00	35.90 2.00 0.00	33.76 1.82 -3.51
ROSETON___2 23588	31.44 1.84 0.00	28.75 1.81 0.00	27.43 1.72 0.00	27.35 1.57 0.00	29.30 1.39 0.00	32.21 1.39 0.00	40.04 1.83 0.00	40.71 2.12 0.00	40.17 2.24 0.00	37.31 2.11 0.00	37.57 1.99 0.00	36.56 2.00 0.00	35.77 2.02 0.00	36.67 2.08 0.00	38.37 2.21 0.00	40.35 2.32 0.00	43.30 2.37 0.00	50.32 2.62 0.00	52.64 2.55 0.00	54.40 2.69 0.00	53.46 2.69 0.00	44.27 2.15 0.00	35.90 2.00 0.00	33.76 1.82 -3.51
ROTRRDAM_115KV_TB3 80664	30.92 1.04 -0.29	27.97 1.02 0.00	26.69 0.98 0.00	26.69 0.90 0.00	28.76 0.81 -0.04	32.53 0.86 -0.85	40.94 1.11 -1.62	40.94 1.16 -1.19	39.03 0.95 -0.15	35.97 0.77 0.00	36.45 0.85 -0.02	35.44 0.86 -0.02	34.56 0.81 0.00	35.56 0.90 -0.06	37.20 1.01 -0.02	39.09 1.06 0.00	42.20 1.19 -0.09	49.13 1.43 0.00	51.64 1.55 0.00	53.36 1.65 0.00	52.45 1.68 0.00	43.43 1.31 0.00	35.08 1.19 0.00	34.19 1.11 -4.65
RUSSELL___1 23602	28.92 -0.68 0.00	26.14 -0.81 0.00	24.99 -0.72 0.00	24.98 -0.80 0.00	26.82 -1.09 0.00	29.93 -0.89 0.00	36.72 -1.49 0.00	36.89 -1.70 0.00	36.42 -1.52 0.00	33.72 -1.48 0.00	34.08 -1.49 0.00	33.03 -1.52 0.00	32.16 -1.59 0.00	32.97 -1.63 0.00	34.50 -1.66 0.00	36.32 -1.71 0.00	38.92 -2.01 0.00	45.50 -2.19 0.00	47.88 -2.20 0.00	49.64 -2.07 0.00	48.69 -2.08 0.00	40.82 -1.31 0.00	32.88 -1.02 0.00	28.32 -0.54 -0.44
RUSSELL___2 23532	28.92 -0.68 0.00	26.14 -0.81 0.00	24.99 -0.72 0.00	24.98 -0.80 0.00	26.82 -1.09 0.00	29.93 -0.89 0.00	36.72 -1.49 0.00	36.89 -1.70 0.00	36.42 -1.52 0.00	33.72 -1.48 0.00	34.08 -1.49 0.00	33.03 -1.52 0.00	32.16 -1.59 0.00	32.97 -1.63 0.00	34.50 -1.66 0.00	36.32 -1.71 0.00	38.92 -2.01 0.00	45.50 -2.19 0.00	47.88 -2.20 0.00	49.64 -2.07 0.00	48.69 -2.08 0.00	40.82 -1.31 0.00	32.88 -1.02 0.00	28.32 -0.54 -0.44
RUSSELL___3 23549	28.92 -0.68 0.00	26.14 -0.81 0.00	24.99 -0.72 0.00	24.98 -0.80 0.00	26.82 -1.09 0.00	29.93 -0.89 0.00	36.72 -1.49 0.00	36.89 -1.70 0.00	36.42 -1.52 0.00	33.72 -1.48 0.00	34.08 -1.49 0.00	33.03 -1.52 0.00	32.16 -1.59 0.00	32.97 -1.63 0.00	34.50 -1.66 0.00	36.32 -1.71 0.00	38.92 -2.01 0.00	45.50 -2.19 0.00	47.88 -2.20 0.00	49.64 -2.07 0.00	48.69 -2.08 0.00	40.82 -1.31 0.00	32.88 -1.02 0.00	28.32 -0.54 -0.44
RUSSELL___4 23556	28.92 -0.68 0.00	26.14 -0.81 0.00	24.99 -0.72 0.00	24.98 -0.80 0.00	26.82 -1.09 0.00	29.93 -0.89 0.00	36.72 -1.49 0.00	36.89 -1.70 0.00	36.42 -1.52 0.00	33.72 -1.48 0.00	34.08 -1.49 0.00	33.03 -1.52 0.00	32.16 -1.59 0.00	32.97 -1.63 0.00	34.50 -1.66 0.00	36.32 -1.71 0.00	38.92 -2.01 0.00	45.50 -2.19 0.00	47.88 -2.20 0.00	49.64 -2.07 0.00	48.69 -2.08 0.00	40.82 -1.31 0.00	32.88 -1.02 0.00	28.32 -0.54 -0.44
RUSSELL___STATION 23914	28.92 -0.68 0.00	26.14 -0.81 0.00	24.99 -0.72 0.00	24.98 -0.80 0.00	26.82 -1.09 0.00	29.93 -0.89 0.00	36.72 -1.49 0.00	36.89 -1.70 0.00	36.42 -1.52 0.00	33.72 -1.48 0.00	34.08 -1.49 0.00	33.03 -1.52 0.00	32.16 -1.59 0.00	32.97 -1.63 0.00	34.50 -1.66 0.00	36.32 -1.71 0.00	38.92 -2.01 0.00	45.50 -2.19 0.00	47.88 -2.20 0.00	49.64 -2.07 0.00	48.69 -2.08 0.00	40.82 -1.31 0.00	32.88 -1.02 0.00	28.32 -0.54 -0.44
S SALMON___HYD 24043	29.25 -0.35 0.00	26.54 -0.40 0.00	25.32 -0.38 0.00	25.37 -0.41 0.00	27.43 -0.47 0.00	30.39 -0.43 0.00	37.60 -0.61 0.00	37.82 -0.77 0.00	37.13 -0.80 0.00	34.39 -0.81 0.00	34.83 -0.75 0.00	33.69 -0.86 0.00	32.80 -0.94 0.00	33.59 -1.00 0.00	35.15 -1.01 0.00	37.12 -0.91 0.00	39.86 -1.06 0.00	46.69 -1.00 0.00	49.03 -1.05 0.00	50.78 -0.93 0.00	49.91 -0.86 0.00	41.49 -0.63 0.00	33.39 -0.51 0.00	28.30 -0.37 -0.25
S.PERRY___115KV_TB1 80734	29.54 -0.06 0.00	26.68 -0.27 0.00	25.55 -0.15 0.00	25.55 -0.23 0.00	27.38 -0.53 0.00	30.63 -0.18 0.00	37.71 -0.50 0.00	37.82 -0.77 0.00	36.87 -1.06 0.00	33.82 -1.37 0.00	34.12 -1.46 0.00	32.93 -1.62 0.00	31.92 -1.82 0.00	32.69 -1.90 0.00	34.24 -1.92 0.00	36.17 -1.86 0.00	38.96 -1.96 0.00	45.93 -1.76 0.00	48.64 -1.45 0.00	50.67 -1.03 0.00	49.66 -1.12 0.00	41.62 -0.51 0.00	33.36 -0.54 0.00	28.68 -0.37 -0.63
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	28.09 -1.51 0.00	25.30 -1.64 0.00	24.32 -1.39 0.00	24.31 -1.47 0.00	25.93 -1.98 0.00	29.03 -1.79 0.00	35.46 -2.75 0.00	35.54 -3.05 0.00	35.01 -2.92 0.00	32.24 -2.96 0.00	32.52 -3.06 0.00	31.44 -3.11 0.00	30.44 -3.31 0.00	31.17 -3.42 0.00	32.54 -3.62 0.00	34.19 -3.84 0.00	36.67 -4.26 0.00	42.93 -4.77 0.00	45.33 -4.76 0.00	47.05 -4.65 0.00	46.26 -4.52 0.00	39.05 -3.07 0.00	31.52 -2.37 0.00	27.21 -1.79 -0.58

[illegible]

SITHE____BATAVIA 24024	28.86 -0.74 0.00	25.98 -0.97 0.00	24.91 -0.80 0.00	24.91 -0.88 0.00	26.63 -1.28 0.00	29.80 -1.02 0.00	36.41 -1.80 0.00	36.58 -2.01 0.00	36.04 -1.90 0.00	33.19 -2.00 0.00	33.48 -2.10 0.00	32.17 -2.38 0.00	31.32 -2.43 0.00	32.17 -2.42 0.00	33.67 -2.49 0.00	35.48 -2.55 0.00	38.06 -2.87 0.00	44.60 -3.10 0.00	47.18 -2.91 0.00	49.07 -2.64 0.00	48.08 -2.69 0.00	40.36 -1.77 0.00	32.64 -1.25 0.00	28.02 -0.91 -0.50
SITHE____INDEPEND 23800	28.86 -0.74 0.00	26.27 -0.67 0.00	25.07 -0.64 0.00	25.11 -0.67 0.00	27.07 -0.84 0.00	29.96 -0.86 0.00	37.14 -1.07 0.00	37.28 -1.31 0.00	36.64 -1.29 0.00	34.00 -1.20 0.00	34.36 -1.21 0.00	33.34 -1.21 0.00	32.53 -1.21 0.00	33.35 -1.25 0.00	34.90 -1.27 0.00	36.74 -1.29 0.00	39.50 -1.43 0.00	46.07 -1.62 0.00	48.39 -1.70 0.00	49.90 -1.81 0.00	49.00 -1.78 0.00	40.73 -1.39 0.00	32.85 -1.05 0.00	27.98 -0.65 -0.21
SITHE____MASSENA 23902	29.16 -0.44 0.00	26.41 -0.54 0.00	25.17 -0.54 0.00	25.37 -0.41 0.00	27.77 -0.14 0.00	30.85 0.03 0.00	38.21 0.00 0.00	38.66 0.08 0.00	38.12 0.19 0.00	35.41 0.21 0.00	35.79 0.21 0.00	34.80 0.24 0.00	34.02 0.27 0.00	34.77 0.17 0.00	36.31 0.15 0.00	38.22 0.19 0.00	41.18 0.25 0.00	47.70 0.00 0.00	50.14 0.05 0.00	51.71 0.00 0.00	50.67 -0.10 0.00	42.25 0.13 0.00	33.56 -0.34 0.00	27.83 -0.60 0.00
SITHE____OGDNSBRG 24021	29.16 -0.44 0.00	26.38 -0.57 0.00	25.12 -0.59 0.00	25.34 -0.44 0.00	27.85 -0.06 0.00	31.03 0.22 0.00	38.40 0.19 0.00	38.82 0.23 0.00	38.20 0.27 0.00	35.34 0.14 0.00	35.68 0.11 0.00	34.69 0.14 0.00	33.88 0.13 0.00	34.63 0.03 0.00	36.16 0.00 0.00	38.14 0.11 0.00	41.13 0.20 0.00	47.79 0.10 0.00	50.34 0.25 0.00	52.02 0.31 0.00	51.08 0.30 0.00	42.54 0.42 0.00	33.66 -0.24 0.00	27.80 -0.63 0.00
SITHE____STERLING 23777	30.22 0.62 0.00	27.51 0.57 0.00	26.22 0.51 0.00	26.27 0.49 0.00	28.38 0.47 0.00	31.47 0.65 0.00	39.01 0.80 0.00	39.32 0.73 0.00	38.69 0.76 0.00	35.76 0.56 0.00	36.18 0.60 0.00	35.04 0.48 0.00	34.12 0.37 0.00	34.94 0.35 0.00	36.63 0.47 0.00	38.63 0.61 0.00	41.58 0.65 0.00	48.70 1.00 0.00	51.04 0.95 0.00	52.80 1.09 0.00	51.89 1.12 0.00	43.01 0.89 0.00	34.58 0.68 0.00	29.23 0.60 -0.21
SLEIGHT__34_KV_TB1 80719	28.86 -0.74 0.00	26.16 -0.78 0.00	24.99 -0.72 0.00	24.98 -0.80 0.00	26.88 -1.03 0.00	29.93 -0.89 0.00	36.95 -1.26 0.00	37.16 -1.43 0.00	36.57 -1.37 0.00	33.89 -1.30 0.00	34.29 -1.28 0.00	33.24 -1.31 0.00	32.40 -1.35 0.00	33.21 -1.38 0.00	34.79 -1.37 0.00	36.62 -1.41 0.00	39.25 -1.68 0.00	45.88 -1.81 0.00	48.23 -1.85 0.00	49.90 -1.81 0.00	48.95 -1.83 0.00	40.90 -1.22 0.00	32.88 -1.02 0.00	28.24 -0.60 -0.42
SMITHTWN_69_KV_BK 1 55830	49.36 3.88 -15.88	47.48 3.64 -16.89	43.63 3.42 -14.50	30.61 3.25 -1.58	31.05 3.13 -0.02	48.53 3.45 -14.26	49.30 4.43 -6.66	50.23 4.82 -6.82	49.52 4.55 -7.03	50.46 4.19 -11.07	49.78 3.77 -10.43	51.12 3.59 -12.97	56.88 3.58 -19.55	63.90 3.81 -25.50	56.92 3.98 -16.78	56.98 4.22 -14.73	128.87 4.50 -83.44	180.89 5.10 -128.09	197.58 5.36 -142.14	191.12 5.48 -133.93	176.42 5.48 -120.16	127.24 4.38 -80.74	71.50 4.20 -33.40	52.48 3.92 -20.13
SOUTH CAIRO____GT 23612	29.60 1.33 1.33	28.21 1.27 0.00	26.87 1.16 0.00	26.89 1.13 0.02	28.76 1.03 0.18	28.07 1.17 3.92	32.21 1.53 7.53	34.67 1.62 5.54	38.72 1.33 0.54	35.90 0.70 0.00	36.44 0.92 0.06	35.30 0.83 0.08	34.39 0.64 0.00	35.34 0.97 0.23	37.16 1.08 0.09	39.02 0.99 0.00	42.13 1.51 0.31	49.46 1.76 0.00	52.24 2.15 0.00	54.14 2.43 0.00	53.16 2.39 0.00	43.98 1.85 0.00	35.46 1.56 0.00	33.61 1.02 -4.16
SOUTH HAMPTN____IC 23720	49.18 3.70 -15.88	47.34 3.50 -16.89	43.47 3.27 -14.50	30.51 3.14 -1.58	30.99 3.07 -0.02	48.41 3.33 -14.26	49.19 4.32 -6.66	50.12 4.71 -6.82	49.59 4.66 -6.99	50.50 4.29 -11.01	49.84 3.88 -10.38	51.24 3.77 -12.92	57.40 3.68 -19.98	65.12 3.84 -26.69	57.29 3.94 -17.19	57.08 4.15 -14.91	137.98 4.38 -92.67	195.88 4.91 -143.27	214.23 5.16 -158.98	206.74 5.22 -149.81	190.51 5.33 -134.41	136.40 4.30 -89.98	74.50 4.17 -36.43	53.37 3.89 -21.05
SOUTHDOW_115KV_TB1 355954	29.10 -0.50 0.00	26.22 -0.73 0.00	25.25 -0.46 0.00	25.27 -0.52 0.00	26.96 -0.95 0.00	30.36 -0.46 0.00	37.25 -0.96 0.00	37.62 -0.96 0.00	36.91 -1.02 0.00	33.93 -1.27 0.00	34.12 -1.46 0.00	32.96 -1.59 0.00	31.79 -1.96 0.00	32.48 -2.11 0.00	33.96 -2.21 0.00	35.71 -2.32 0.00	38.35 -2.58 0.00	44.74 -2.96 0.00	47.18 -2.91 0.00	48.81 -2.90 0.00	47.88 -2.89 0.00	40.23 -1.90 0.00	32.41 -1.49 0.00	27.38 -1.71 -0.66
SOUTHOLD_69_KV_BK 2 55809	49.18 3.70 -15.88	47.29 3.45 -16.89	43.45 3.24 -14.50	30.48 3.12 -1.58	30.91 2.99 -0.02	48.44 3.36 -14.26	49.27 4.39 -6.66	50.23 4.82 -6.82	49.78 4.86 -6.99	50.75 4.54 -11.01	50.05 4.09 -10.38	51.38 3.90 -12.92	57.53 3.81 -19.97	65.28 4.01 -26.67	57.43 4.09 -17.19	57.16 4.22 -14.91	137.92 4.42 -92.57	195.76 4.96 -143.11	214.04 5.16 -158.80	206.62 5.27 -149.63	190.41 5.38 -134.25	136.34 4.34 -89.87	74.53 4.24 -36.40	53.44 3.98 -21.04
SOUTHOLD____IC 23719	49.18 3.70 -15.88	47.29 3.45 -16.89	43.45 3.24 -14.50	30.48 3.12 -1.58	30.99 3.07 -0.02	48.44 3.36 -14.26	49.26 4.39 -6.66	50.23 4.82 -6.82	49.78 4.86 -6.99	50.75 4.54 -11.01	50.05 4.09 -10.38	51.45 3.97 -12.92	57.60 3.88 -19.97	65.28 4.01 -26.67	57.40 4.05 -17.19	57.16 4.22 -14.91	137.92 4.42 -92.57	195.76 4.96 -143.11	214.04 5.16 -158.80	206.62 5.28 -149.63	190.40 5.38 -134.25	136.38 4.38 -89.87	74.53 4.24 -36.40	53.50 4.03 -21.04
SOUTH_FORK_WT_PWR 323839	48.89 3.40 -15.88	47.04 3.21 -16.89	43.19 2.98 -14.50	30.25 2.89 -1.58	30.77 2.85 -0.02	48.19 3.11 -14.26	48.96 4.09 -6.66	49.96 4.55 -6.82	49.55 4.63 -6.99	50.57 4.36 -11.01	49.84 3.88 -10.38	51.24 3.77 -12.92	57.37 3.65 -19.97	65.01 3.74 -26.68	57.11 3.76 -17.19	56.82 3.88 -14.91	137.61 4.05 -92.63	195.43 4.53 -143.20	213.64 4.66 -158.90	206.19 4.75 -149.73	190.03 4.92 -134.33	136.01 3.96 -89.93	74.28 3.96 -36.42	53.33 3.87 -21.04
SPIERFLS_115KV_TB 1 80737	32.57 1.42 -1.55	28.37 1.43 0.00	27.02 1.31 0.00	27.05 1.24 -0.03	29.26 1.14 -0.21	36.69 1.29 -4.57	48.75 1.76 -8.78	46.86 1.81 -6.46	40.16 1.37 -0.86	36.25 1.06 0.00	36.92 1.25 -0.10	35.93 1.24 -0.13	34.86 1.11 0.00	36.23 1.28 -0.36	37.78 1.48 -0.14	39.66 1.64 0.00	43.43 2.01 -0.50	50.18 2.48 0.00	52.89 2.80 0.00	54.76 3.05 0.00	53.77 3.00 0.00	44.40 2.27 0.00	35.76 1.86 0.00	34.70 1.65 -4.63
ST LAWRENCE____ 23600	29.07 -0.53 0.00	26.41 -0.54 0.00	25.17 -0.54 0.00	25.32 -0.46 0.00	27.71 -0.19 0.00	30.60 -0.21 0.00	37.94 -0.27 0.00	38.36 -0.23 0.00	37.78 -0.15 0.00	35.13 -0.07 0.00	35.50 -0.07 0.00	34.48 -0.07 0.00	33.71 -0.03 0.00	34.49 -0.10 0.00	36.02 -0.14 0.00	37.88 -0.15 0.00	40.81 -0.12 0.00	47.46 -0.24 0.00	49.89 -0.20 0.00	51.45 -0.26 0.00	50.52 -0.25 0.00	41.95 -0.17 0.00	33.49 -0.41 0.00	27.83 -0.60 0.00

STATE_CA_115KV_115_LB 55624	28.52 0.80 1.88	27.78 0.84 0.00	26.48 0.77 0.00	26.47 0.72 0.03	28.21 0.56 0.25	25.83 0.55 5.55	28.29 0.73 10.65	31.61 0.85 7.83	37.46 0.61 1.08	35.69 0.49 0.00	36.02 0.57 0.13	35.01 0.62 0.17	34.32 0.57 0.00	34.87 0.73 0.45	36.78 0.80 0.17	38.83 0.80 0.00	41.21 0.90 0.62	48.65 0.95 0.00	51.14 1.05 0.00	52.79 1.09 0.00	51.84 1.07 0.00	42.88 0.76 0.00	34.81 0.92 0.00	33.83 0.88 -4.52
STATE_ST_34_KV_LOAD 55959	29.48 -0.12 0.00	26.81 -0.13 0.00	25.58 -0.13 0.00	25.60 -0.18 0.00	27.57 -0.33 0.00	30.57 -0.25 0.00	37.98 -0.23 0.00	38.24 -0.35 0.00	37.52 -0.42 0.00	34.77 -0.42 0.00	35.18 -0.39 0.00	34.10 -0.45 0.00	33.27 -0.47 0.00	34.11 -0.48 0.00	35.73 -0.43 0.00	37.61 -0.42 0.00	40.44 -0.49 0.00	47.31 -0.38 0.00	49.64 -0.45 0.00	51.29 -0.41 0.00	50.32 -0.46 0.00	41.87 -0.25 0.00	33.66 -0.24 0.00	28.76 -0.09 -0.42
STATION_5_MISC_HYD 23604	28.80 -0.80 0.00	26.03 -0.92 0.00	24.91 -0.80 0.00	24.91 -0.88 0.00	26.71 -1.20 0.00	29.80 -1.02 0.00	36.61 -1.60 0.00	36.74 -1.85 0.00	36.23 -1.71 0.00	33.54 -1.65 0.00	33.90 -1.67 0.00	32.72 -1.83 0.00	31.89 -1.86 0.00	32.76 -1.83 0.00	34.28 -1.88 0.00	36.09 -1.94 0.00	38.68 -2.25 0.00	45.21 -2.48 0.00	47.59 -2.50 0.00	49.33 -2.38 0.00	48.39 -2.39 0.00	40.48 -1.64 0.00	32.68 -1.22 0.00	28.21 -0.65 -0.44
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	29.01 -0.59 0.00	26.27 -0.67 0.00	25.12 -0.59 0.00	25.14 -0.64 0.00	26.99 -0.92 0.00	30.08 -0.74 0.00	37.10 -1.11 0.00	37.31 -1.27 0.00	36.72 -1.21 0.00	34.00 -1.20 0.00	34.36 -1.21 0.00	33.31 -1.24 0.00	32.43 -1.32 0.00	33.24 -1.35 0.00	34.82 -1.34 0.00	36.66 -1.37 0.00	39.33 -1.60 0.00	46.03 -1.67 0.00	48.39 -1.70 0.00	50.05 -1.65 0.00	49.05 -1.73 0.00	41.07 -1.05 0.00	33.02 -0.88 0.00	28.35 -0.51 -0.43
STA_56_34_KV_BUS2_REV_LBMP_B 345033	28.68 -0.92 0.00	25.92 -1.02 0.00	24.81 -0.90 0.00	24.80 -0.98 0.00	26.63 -1.28 0.00	29.68 -1.14 0.00	36.49 -1.72 0.00	36.66 -1.93 0.00	36.11 -1.82 0.00	33.47 -1.72 0.00	33.83 -1.74 0.00	32.79 -1.76 0.00	31.92 -1.82 0.00	32.73 -1.87 0.00	34.24 -1.92 0.00	36.05 -1.98 0.00	38.60 -2.33 0.00	45.12 -2.58 0.00	47.53 -2.55 0.00	49.23 -2.48 0.00	48.29 -2.49 0.00	40.44 -1.68 0.00	32.58 -1.32 0.00	28.09 -0.77 -0.43
STA_56___34_KV_BUS2 355983	28.68 -0.92 0.00	25.92 -1.02 0.00	24.81 -0.90 0.00	24.80 -0.98 0.00	26.63 -1.28 0.00	29.68 -1.14 0.00	36.49 -1.72 0.00	36.66 -1.93 0.00	36.11 -1.82 0.00	33.47 -1.72 0.00	33.83 -1.74 0.00	32.79 -1.76 0.00	31.92 -1.82 0.00	32.73 -1.87 0.00	34.24 -1.92 0.00	36.05 -1.98 0.00	38.60 -2.33 0.00	45.12 -2.58 0.00	47.53 -2.55 0.00	49.23 -2.48 0.00	48.29 -2.49 0.00	40.44 -1.68 0.00	32.58 -1.32 0.00	28.09 -0.77 -0.43
STA_67___115KV_BK2 355882	28.74 -0.86 0.00	25.98 -0.97 0.00	24.86 -0.85 0.00	24.85 -0.93 0.00	26.65 -1.26 0.00	29.74 -1.08 0.00	36.53 -1.68 0.00	36.66 -1.93 0.00	36.15 -1.78 0.00	33.44 -1.76 0.00	33.80 -1.78 0.00	32.76 -1.80 0.00	31.89 -1.86 0.00	32.69 -1.90 0.00	34.17 -1.99 0.00	35.97 -2.05 0.00	38.56 -2.37 0.00	45.07 -2.62 0.00	47.48 -2.60 0.00	49.23 -2.48 0.00	48.29 -2.49 0.00	40.48 -1.64 0.00	32.61 -1.29 0.00	28.15 -0.71 -0.44
STA_7___115KV_9TRANS 80674	28.92 -0.68 0.00	26.14 -0.81 0.00	24.99 -0.72 0.00	24.98 -0.80 0.00	26.82 -1.09 0.00	29.93 -0.89 0.00	36.72 -1.49 0.00	36.89 -1.70 0.00	36.42 -1.52 0.00	33.72 -1.48 0.00	34.08 -1.49 0.00	33.03 -1.52 0.00	32.16 -1.59 0.00	32.97 -1.63 0.00	34.50 -1.66 0.00	36.32 -1.71 0.00	38.92 -2.01 0.00	45.50 -2.19 0.00	47.88 -2.20 0.00	49.64 -2.07 0.00	48.69 -2.08 0.00	40.82 -1.31 0.00	32.88 -1.02 0.00	28.32 -0.54 -0.44
STA_82___115KV_TB1 80780	28.74 -0.86 0.00	25.98 -0.97 0.00	24.86 -0.85 0.00	24.85 -0.93 0.00	26.68 -1.23 0.00	29.74 -1.08 0.00	36.53 -1.68 0.00	36.70 -1.89 0.00	36.15 -1.78 0.00	33.47 -1.72 0.00	33.83 -1.74 0.00	32.79 -1.76 0.00	31.89 -1.86 0.00	32.69 -1.90 0.00	34.21 -1.95 0.00	35.97 -2.05 0.00	38.56 -2.37 0.00	45.12 -2.58 0.00	47.48 -2.60 0.00	49.23 -2.48 0.00	48.29 -2.49 0.00	40.48 -1.64 0.00	32.64 -1.25 0.00	28.15 -0.71 -0.44
STEEL___WIND 323596	28.39 -1.21 0.00	25.54 -1.40 0.00	24.58 -1.13 0.00	24.57 -1.21 0.00	26.18 -1.73 0.00	29.34 -1.48 0.00	35.88 -2.33 0.00	36.00 -2.58 0.00	35.47 -2.47 0.00	32.63 -2.57 0.00	32.87 -2.71 0.00	31.62 -2.94 0.00	30.64 -3.10 0.00	31.48 -3.11 0.00	32.91 -3.25 0.00	34.57 -3.46 0.00	37.12 -3.81 0.00	43.40 -4.29 0.00	45.83 -4.26 0.00	47.57 -4.14 0.00	46.71 -4.06 0.00	39.22 -2.91 0.00	31.80 -2.10 0.00	27.24 -1.79 -0.60
STEPHTWN_115KV_BK_2 55603	28.30 0.95 2.25	27.92 0.97 0.00	26.61 0.90 0.00	26.57 0.83 0.04	28.30 0.70 0.30	24.90 0.71 6.62	26.45 0.96 12.72	30.32 1.08 9.35	37.40 0.76 1.29	35.83 0.63 0.00	36.14 0.71 0.15	35.08 0.73 0.20	34.42 0.67 0.00	34.89 0.83 0.54	36.89 0.94 0.21	38.98 0.95 0.00	41.29 1.11 0.74	48.98 1.29 0.00	51.49 1.40 0.00	53.16 1.45 0.00	52.25 1.47 0.00	43.18 1.05 0.00	35.05 1.15 0.00	33.96 1.05 -4.48
STEUBEN_REC_LFGE 323667	29.16 -0.44 0.00	26.38 -0.57 0.00	25.30 -0.41 0.00	25.29 -0.49 0.00	27.07 -0.84 0.00	30.29 -0.52 0.00	37.41 -0.80 0.00	37.58 -1.00 0.00	36.76 -1.18 0.00	33.75 -1.44 0.00	34.01 -1.57 0.00	32.79 -1.76 0.00	31.65 -2.09 0.00	32.38 -2.21 0.00	33.85 -2.31 0.00	35.59 -2.43 0.00	38.31 -2.62 0.00	44.98 -2.72 0.00	47.33 -2.75 0.00	48.86 -2.84 0.00	47.88 -2.89 0.00	40.10 -2.02 0.00	32.10 -1.80 0.00	27.54 -1.68 -0.79
STILLWATER___SOLAR 323814	33.62 1.45 -2.57	28.37 1.43 0.00	27.02 1.31 0.00	27.09 1.26 -0.04	29.37 1.12 -0.35	39.64 1.26 -7.56	54.36 1.64 -14.51	50.95 1.70 -10.67	40.69 1.33 -1.43	36.25 1.05 0.00	36.91 1.17 -0.17	35.98 1.21 -0.22	34.86 1.11 0.00	36.47 1.28 -0.60	37.80 1.41 -0.23	39.51 1.48 0.00	43.51 1.76 -0.82	49.84 2.15 0.00	52.49 2.40 0.00	54.29 2.58 0.00	53.31 2.54 0.00	44.10 1.98 0.00	35.63 1.73 0.00	34.59 1.56 -4.61
STONY___BROOK 24151	49.36 3.88 -15.88	47.48 3.64 -16.89	43.60 3.39 -14.50	30.61 3.25 -1.58	31.11 3.18 -0.02	48.50 3.42 -14.26	49.30 4.43 -6.66	50.23 4.82 -6.82	49.44 4.47 -7.03	50.35 4.08 -11.07	49.74 3.73 -10.43	51.12 3.59 -12.97	56.86 3.54 -19.57	63.88 3.74 -25.55	56.86 3.91 -16.79	56.91 4.15 -14.73	129.13 4.42 -83.78	181.31 4.96 -128.65	198.10 5.26 -142.76	191.56 5.33 -134.52	176.80 5.33 -120.69	127.54 4.34 -81.08	71.55 4.13 -33.51	52.54 3.95 -20.17
STURGEON_POOL_HYD 23609	31.43 2.13 0.30	28.99 2.05 0.00	27.64 1.93 0.00	27.58 1.80 0.01	29.43 1.56 0.04	31.56 1.63 0.89	38.68 2.18 1.71	39.84 2.51 1.25	40.43 2.62 0.12	37.59 2.39 0.00	37.84 2.28 0.01	36.75 2.21 0.02	36.04 2.29 0.00	36.93 2.39 0.05	38.67 2.53 0.02	40.61 2.59 0.00	43.60 2.74 0.07	50.70 3.00 0.00	53.04 2.96 0.00	54.81 3.10 0.00	53.87 3.10 0.00	44.57 2.44 0.00	36.13 2.24 0.00	33.91 1.90 -3.58

ST_LAW_115_BK7_LBMP 345037	29.01 -0.59 0.00	26.33 -0.62 0.00	25.07 -0.64 0.00	25.27 -0.52 0.00	27.66 -0.25 0.00	30.60 -0.21 0.00	37.90 -0.31 0.00	38.36 -0.23 0.00	37.78 -0.15 0.00	35.09 -0.11 0.00	35.50 -0.07 0.00	34.48 -0.07 0.00	33.71 -0.03 0.00	34.49 -0.10 0.00	35.98 -0.18 0.00	37.88 -0.15 0.00	40.81 -0.12 0.00	47.41 -0.28 0.00	49.84 -0.25 0.00	51.40 -0.31 0.00	50.42 -0.35 0.00	41.91 -0.21 0.00	33.42 -0.47 0.00	27.74 -0.68 0.00
ST_LAW_115_BK8_LBMP 345038	29.01 -0.59 0.00	26.33 -0.62 0.00	25.07 -0.64 0.00	25.27 -0.52 0.00	27.66 -0.25 0.00	30.60 -0.21 0.00	37.90 -0.31 0.00	38.36 -0.23 0.00	37.78 -0.15 0.00	35.09 -0.11 0.00	35.50 -0.07 0.00	34.48 -0.07 0.00	33.71 -0.03 0.00	34.49 -0.10 0.00	35.98 -0.18 0.00	37.88 -0.15 0.00	40.81 -0.12 0.00	47.41 -0.28 0.00	49.84 -0.25 0.00	51.40 -0.31 0.00	50.42 -0.35 0.00	41.91 -0.21 0.00	33.42 -0.47 0.00	27.74 -0.68 0.00
ST_LAW_230_BK5_LBMP 345035	29.07 -0.53 0.00	26.41 -0.54 0.00	25.17 -0.54 0.00	25.32 -0.46 0.00	27.71 -0.19 0.00	30.60 -0.21 0.00	37.94 -0.27 0.00	38.36 -0.23 0.00	37.78 -0.15 0.00	35.13 -0.07 0.00	35.50 -0.07 0.00	34.48 -0.07 0.00	33.71 -0.03 0.00	34.49 -0.10 0.00	36.02 -0.14 0.00	37.88 -0.15 0.00	40.81 -0.12 0.00	47.46 -0.24 0.00	49.89 -0.20 0.00	51.45 -0.26 0.00	50.52 -0.25 0.00	41.95 -0.17 0.00	33.49 -0.41 0.00	27.83 -0.60 0.00
ST_LAW_230_BK6_LBMP 345036	29.07 -0.53 0.00	26.41 -0.54 0.00	25.17 -0.54 0.00	25.32 -0.46 0.00	27.71 -0.19 0.00	30.60 -0.21 0.00	37.94 -0.27 0.00	38.36 -0.23 0.00	37.78 -0.15 0.00	35.13 -0.07 0.00	35.50 -0.07 0.00	34.48 -0.07 0.00	33.71 -0.03 0.00	34.49 -0.10 0.00	36.02 -0.14 0.00	37.88 -0.15 0.00	40.81 -0.12 0.00	47.46 -0.24 0.00	49.89 -0.20 0.00	51.45 -0.26 0.00	50.52 -0.25 0.00	41.95 -0.17 0.00	33.49 -0.41 0.00	27.83 -0.60 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	31.35 1.75 0.00	28.70 1.75 0.00	27.35 1.65 0.00	27.28 1.50 0.00	29.19 1.28 0.00	32.17 1.36 0.00	40.01 1.80 0.00	40.67 2.08 0.00	40.10 2.16 0.00	37.24 2.04 0.00	37.50 1.92 0.00	36.45 1.90 0.00	35.70 1.96 0.00	36.60 2.01 0.00	38.29 2.13 0.00	40.27 2.24 0.00	43.26 2.33 0.00	50.32 2.62 0.00	52.64 2.55 0.00	54.35 2.64 0.00	53.46 2.69 0.00	44.23 2.11 0.00	35.83 1.93 0.00	33.49 1.76 -3.30
SWANROAD_115KV_TB1 355699	27.50 -2.10 0.00	24.76 -2.18 0.00	23.81 -1.90 0.00	23.77 -2.01 0.00	25.37 -2.54 0.00	28.26 -2.56 0.00	34.46 -3.74 0.00	34.54 -4.05 0.00	34.03 -3.91 0.00	31.29 -3.91 0.00	31.55 -4.02 0.00	30.54 -4.01 0.00	29.56 -4.18 0.00	30.23 -4.36 0.00	31.60 -4.56 0.00	33.20 -4.83 0.00	35.61 -5.32 0.00	41.69 -6.01 0.00	44.08 -6.01 0.00	45.81 -5.89 0.00	44.99 -5.79 0.00	37.99 -4.13 0.00	30.71 -3.19 0.00	26.54 -2.44 -0.56
SYNERGY___BIOGAS 323694	28.86 -0.74 0.00	25.98 -0.97 0.00	24.91 -0.80 0.00	24.91 -0.88 0.00	26.63 -1.28 0.00	29.80 -1.02 0.00	36.41 -1.80 0.00	36.58 -2.01 0.00	36.04 -1.90 0.00	33.19 -2.01 0.00	33.48 -2.10 0.00	32.38 -2.18 0.00	31.38 -2.36 0.00	32.17 -2.42 0.00	33.67 -2.50 0.00	35.48 -2.55 0.00	38.06 -2.87 0.00	44.60 -3.10 0.00	47.18 -2.91 0.00	49.07 -2.64 0.00	48.08 -2.69 0.00	40.48 -1.64 0.00	32.64 -1.25 0.00	28.02 -0.91 -0.50
SYRACUSE___ENERGY_ST1 323597	29.45 -0.15 0.00	26.78 -0.16 0.00	25.55 -0.15 0.00	25.58 -0.21 0.00	27.57 -0.33 0.00	30.54 -0.28 0.00	37.90 -0.31 0.00	38.12 -0.46 0.00	37.44 -0.49 0.00	34.74 -0.46 0.00	35.18 -0.39 0.00	34.10 -0.45 0.00	33.27 -0.47 0.00	34.14 -0.45 0.00	35.73 -0.43 0.00	37.61 -0.42 0.00	40.44 -0.49 0.00	47.22 -0.48 0.00	49.54 -0.55 0.00	51.14 -0.57 0.00	50.22 -0.56 0.00	41.74 -0.38 0.00	33.59 -0.31 0.00	28.65 -0.11 -0.33
SYRACUSE___ENERGY_ST2 323598	29.45 -0.15 0.00	26.78 -0.16 0.00	25.55 -0.15 0.00	25.58 -0.21 0.00	27.57 -0.33 0.00	30.54 -0.28 0.00	37.90 -0.31 0.00	38.12 -0.46 0.00	37.44 -0.49 0.00	34.74 -0.46 0.00	35.18 -0.39 0.00	34.10 -0.45 0.00	33.27 -0.47 0.00	34.14 -0.45 0.00	35.73 -0.43 0.00	37.61 -0.42 0.00	40.44 -0.49 0.00	47.22 -0.48 0.00	49.54 -0.55 0.00	51.14 -0.57 0.00	50.22 -0.56 0.00	41.74 -0.38 0.00	33.59 -0.31 0.00	28.65 -0.11 -0.33
SYRACUSE___POWER 24017	29.51 -0.09 0.00	26.84 -0.11 0.00	25.61 -0.10 0.00	25.63 -0.15 0.00	27.63 -0.28 0.00	30.57 -0.25 0.00	37.94 -0.27 0.00	38.20 -0.39 0.00	37.52 -0.42 0.00	34.81 -0.39 0.00	35.22 -0.36 0.00	34.14 -0.41 0.00	33.31 -0.44 0.00	34.18 -0.42 0.00	35.76 -0.40 0.00	37.65 -0.38 0.00	40.48 -0.45 0.00	47.27 -0.43 0.00	49.59 -0.50 0.00	51.24 -0.47 0.00	50.32 -0.46 0.00	41.83 -0.29 0.00	33.66 -0.24 0.00	28.75 -0.06 -0.38
TALLMAN__138KV_BK151 55660	31.52 1.92 0.00	28.86 1.91 0.00	27.48 1.77 0.00	27.43 1.65 0.00	29.30 1.40 0.00	32.30 1.48 0.00	40.16 1.95 0.00	40.86 2.28 0.00	40.36 2.43 0.00	37.52 2.32 0.00	37.74 2.17 0.00	36.70 2.14 0.00	35.97 2.23 0.00	36.84 2.25 0.00	38.55 2.39 0.00	40.54 2.51 0.00	43.55 2.62 0.00	50.56 2.86 0.00	52.94 2.86 0.00	54.60 2.90 0.00	53.72 2.94 0.00	44.40 2.27 0.00	36.03 2.14 0.00	33.75 1.93 -3.39
TEALLAVE_115KV_TB7 355573	29.39 -0.21 0.00	26.73 -0.22 0.00	25.53 -0.18 0.00	25.55 -0.23 0.00	27.52 -0.39 0.00	30.48 -0.34 0.00	37.83 -0.38 0.00	38.05 -0.54 0.00	37.36 -0.57 0.00	34.67 -0.53 0.00	35.11 -0.46 0.00	34.03 -0.52 0.00	33.21 -0.54 0.00	34.07 -0.52 0.00	35.65 -0.51 0.00	37.53 -0.49 0.00	40.31 -0.61 0.00	47.08 -0.62 0.00	49.39 -0.70 0.00	51.04 -0.67 0.00	50.06 -0.71 0.00	41.62 -0.51 0.00	33.52 -0.37 0.00	28.60 -0.14 -0.32
TELGRAPH_34_KV_EAST 80808	28.21 -1.39 0.00	25.41 -1.54 0.00	24.40 -1.31 0.00	24.39 -1.39 0.00	26.04 -1.87 0.00	29.09 -1.73 0.00	35.53 -2.67 0.00	35.65 -2.93 0.00	35.13 -2.81 0.00	32.35 -2.85 0.00	32.62 -2.95 0.00	31.58 -2.97 0.00	30.57 -3.17 0.00	31.31 -3.29 0.00	32.76 -3.40 0.00	34.45 -3.57 0.00	36.96 -3.97 0.00	43.26 -4.44 0.00	45.73 -4.36 0.00	47.52 -4.19 0.00	46.61 -4.16 0.00	39.30 -2.82 0.00	31.73 -2.17 0.00	27.33 -1.62 -0.53
TEMPLE___115KV_TB 2 55572	29.42 -0.18 0.00	26.76 -0.19 0.00	25.55 -0.15 0.00	25.58 -0.21 0.00	27.55 -0.36 0.00	30.51 -0.31 0.00	37.83 -0.38 0.00	38.09 -0.50 0.00	37.40 -0.53 0.00	34.70 -0.49 0.00	35.15 -0.43 0.00	34.07 -0.48 0.00	33.24 -0.51 0.00	34.11 -0.48 0.00	35.69 -0.47 0.00	37.57 -0.46 0.00	40.36 -0.57 0.00	47.12 -0.57 0.00	49.44 -0.65 0.00	51.04 -0.67 0.00	50.11 -0.66 0.00	41.66 -0.46 0.00	33.56 -0.34 0.00	28.61 -0.14 -0.33
TIANA____69_KV_BK 1 55817	49.21 3.73 -15.88	47.34 3.50 -16.89	43.50 3.29 -14.50	30.51 3.15 -1.58	30.94 3.01 -0.02	48.41 3.33 -14.26	49.19 4.32 -6.66	50.12 4.71 -6.82	49.55 4.63 -6.99	50.47 4.26 -11.01	49.76 3.81 -10.38	51.10 3.63 -12.92	57.30 3.58 -19.97	65.07 3.81 -26.67	57.29 3.94 -17.19	57.04 4.11 -14.91	137.90 4.38 -92.59	195.75 4.91 -143.14	214.08 5.16 -158.83	206.65 5.27 -149.67	190.38 5.33 -134.28	136.31 4.30 -89.89	74.47 4.17 -36.41	53.27 3.81 -21.04

TILDEN___115KV_TB1 80814	29.51 -0.09 0.00	26.84 -0.11 0.00	25.61 -0.10 0.00	25.63 -0.15 0.00	27.63 -0.28 0.00	30.57 -0.25 0.00	37.94 -0.27 0.00	38.20 -0.39 0.00	37.52 -0.42 0.00	34.81 -0.39 0.00	35.22 -0.36 0.00	34.14 -0.41 0.00	33.31 -0.44 0.00	34.18 -0.42 0.00	35.76 -0.40 0.00	37.65 -0.38 0.00	40.48 -0.45 0.00	47.27 -0.43 0.00	49.59 -0.50 0.00	51.24 -0.47 0.00	50.32 -0.46 0.00	41.83 -0.29 0.00	33.66 -0.24 0.00	28.75 -0.06 -0.38
TRIGEN___CC 323695	48.15 2.66 -15.88	46.43 2.59 -16.89	42.68 2.47 -14.50	29.66 2.29 -1.58	30.02 2.09 -0.02	47.30 2.22 -14.26	47.78 2.90 -6.66	48.72 3.24 -6.89	53.60 3.30 -12.37	57.74 3.06 -19.48	56.49 2.63 -18.28	59.65 2.56 -22.54	63.27 2.60 -26.92	63.39 2.66 -26.14	61.37 2.82 -22.38	63.15 2.93 -22.19	53.30 3.07 -9.30	51.10 3.39 -0.02	53.61 3.51 -0.02	55.29 3.57 -0.02	54.39 3.60 -0.02	49.58 2.78 -4.68	49.89 2.81 -13.18	49.50 2.56 -18.51
TRINITY___115KV___4 BK 55933	28.12 0.71 2.19	27.70 0.75 0.00	26.40 0.69 0.00	26.39 0.64 0.04	28.11 0.50 0.30	24.82 0.46 6.46	26.46 0.65 12.40	30.20 0.73 9.12	37.17 0.49 1.25	35.58 0.39 0.00	35.89 0.46 0.15	34.88 0.52 0.19	34.22 0.47 0.00	34.66 0.59 0.52	36.61 0.65 0.20	38.64 0.61 0.00	40.91 0.70 0.72	48.46 0.76 0.00	50.89 0.80 0.00	52.59 0.88 0.00	51.64 0.86 0.00	42.71 0.59 0.00	34.71 0.81 0.00	33.71 0.80 -4.49
UNION___PROCESSING_DRP 323587	28.74 -0.86 0.00	25.98 -0.97 0.00	24.86 -0.85 0.00	24.85 -0.93 0.00	26.68 -1.23 0.00	29.74 -1.08 0.00	36.53 -1.68 0.00	36.70 -1.89 0.00	36.15 -1.78 0.00	33.47 -1.72 0.00	33.83 -1.74 0.00	32.79 -1.76 0.00	31.89 -1.86 0.00	32.69 -1.90 0.00	34.21 -1.95 0.00	35.97 -2.05 0.00	38.56 -2.37 0.00	45.12 -2.58 0.00	47.48 -2.60 0.00	49.23 -2.48 0.00	48.29 -2.49 0.00	40.52 -1.60 0.00	32.64 -1.25 0.00	28.15 -0.71 -0.44
UPPER HUDSON___HYD 24058	32.57 1.42 -1.55	28.37 1.43 0.00	27.02 1.31 0.00	27.05 1.24 -0.03	29.21 1.09 -0.21	36.69 1.29 -4.57	48.75 1.76 -8.78	46.86 1.81 -6.46	40.16 1.36 -0.86	36.25 1.05 0.00	36.92 1.24 -0.10	35.93 1.24 -0.13	34.90 1.15 0.00	36.23 1.28 -0.36	37.78 1.48 -0.14	39.66 1.63 0.00	43.43 2.01 -0.50	50.17 2.48 0.00	52.89 2.80 0.00	54.76 3.05 0.00	53.77 2.99 0.00	44.40 2.27 0.00	35.76 1.86 0.00	34.70 1.65 -4.63
UPPER RAQUET___HYD 24056	28.42 -1.18 0.00	25.71 -1.24 0.00	24.45 -1.26 0.00	24.65 -1.13 0.00	27.04 -0.87 0.00	30.11 -0.71 0.00	37.29 -0.92 0.00	37.78 -0.81 0.00	37.29 -0.65 0.00	34.56 -0.63 0.00	34.94 -0.64 0.00	33.93 -0.62 0.00	33.14 -0.61 0.00	33.87 -0.73 0.00	35.37 -0.80 0.00	37.27 -0.76 0.00	40.15 -0.78 0.00	46.51 -1.19 0.00	48.94 -1.15 0.00	50.47 -1.24 0.00	49.45 -1.32 0.00	41.24 -0.89 0.00	32.64 -1.25 0.00	26.98 -1.45 0.00
VALLEY44_115KV_TB2 355964	28.74 -0.86 0.00	25.95 -1.00 0.00	24.91 -0.80 0.00	24.93 -0.85 0.00	26.60 -1.31 0.00	29.77 -1.05 0.00	36.53 -1.68 0.00	36.74 -1.85 0.00	36.11 -1.82 0.00	33.23 -1.97 0.00	33.51 -2.06 0.00	32.38 -2.18 0.00	31.32 -2.43 0.00	32.03 -2.56 0.00	33.52 -2.64 0.00	35.29 -2.74 0.00	37.94 -2.99 0.00	44.40 -3.29 0.00	46.78 -3.31 0.00	48.45 -3.26 0.00	47.68 -3.10 0.00	40.02 -2.11 0.00	32.30 -1.59 0.00	27.03 -2.08 -0.68
VALLEY___115KV_TB 1-4 80826	29.81 0.21 0.00	27.13 0.19 0.00	25.89 0.18 0.00	25.94 0.15 0.00	27.99 0.08 0.00	30.88 0.06 0.00	38.25 0.04 0.00	38.55 -0.04 0.00	37.93 0.00 0.00	35.16 -0.04 0.00	35.57 0.00 0.00	34.55 0.00 0.00	33.71 -0.03 0.00	34.56 -0.03 0.00	36.16 0.00 0.00	38.03 0.00 0.00	40.93 0.00 0.00	47.74 0.05 0.00	50.04 -0.05 0.00	51.60 -0.10 0.00	50.62 -0.15 0.00	41.91 -0.21 0.00	33.76 -0.14 0.00	28.34 -0.09 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	31.05 1.45 0.00	28.32 1.37 0.00	27.05 1.34 0.00	27.07 1.29 0.00	29.16 1.26 0.00	32.24 1.42 0.00	39.97 1.76 0.00	40.40 1.81 0.00	39.87 1.93 0.00	36.89 1.69 0.00	37.25 1.67 0.00	36.18 1.62 0.00	35.20 1.45 0.00	36.05 1.45 0.00	37.79 1.63 0.00	39.82 1.79 0.00	42.77 1.84 0.00	49.99 2.29 0.00	52.29 2.20 0.00	54.04 2.33 0.00	53.16 2.39 0.00	44.06 1.94 0.00	35.56 1.66 0.00	31.43 1.42 -1.58
VISCHER___FERRY HYD 24020	35.70 1.21 -4.89	28.16 1.21 0.00	26.84 1.13 0.00	26.95 1.08 -0.08	29.46 0.89 -0.66	46.21 1.02 -14.38	67.15 1.34 -27.61	60.31 1.43 -20.30	41.77 1.10 -2.74	36.04 0.84 0.00	36.89 0.99 -0.32	36.01 1.04 -0.42	34.69 0.94 0.00	36.84 1.11 -1.14	37.76 1.16 -0.44	39.17 1.14 0.00	43.84 1.35 -1.57	49.27 1.57 0.00	51.89 1.80 0.00	53.57 1.86 0.00	52.65 1.88 0.00	43.56 1.43 0.00	35.25 1.36 0.00	34.24 1.25 -4.56
V_A_10_SYNC_DSASP 323832	28.09 -1.51 0.00	25.33 -1.62 0.00	24.30 -1.41 0.00	24.29 -1.50 0.00	25.95 -1.95 0.00	29.03 -1.79 0.00	35.53 -2.68 0.00	35.58 -3.01 0.00	35.05 -2.88 0.00	32.38 -2.82 0.00	32.66 -2.92 0.00	31.41 -3.14 0.00	30.57 -3.17 0.00	31.41 -3.18 0.00	32.80 -3.36 0.00	34.49 -3.54 0.00	36.96 -3.97 0.00	43.26 -4.43 0.00	45.63 -4.46 0.00	47.37 -4.34 0.00	46.56 -4.21 0.00	39.09 -3.03 0.00	31.66 -2.24 0.00	27.56 -1.36 -0.49
V_CMM_10_SYNC_DSASP 323787	29.16 -0.44 0.00	26.43 -0.51 0.00	25.20 -0.51 0.00	25.37 -0.41 0.00	27.77 -0.14 0.00	30.73 -0.09 0.00	38.06 -0.15 0.00	38.51 -0.08 0.00	37.97 0.04 0.00	35.27 0.07 0.00	35.65 0.07 0.00	34.66 0.10 0.00	33.88 0.14 0.00	34.66 0.07 0.00	36.16 0.00 0.00	38.07 0.04 0.00	41.01 0.08 0.00	47.65 -0.05 0.00	50.09 0.00 0.00	51.66 -0.05 0.00	50.67 -0.10 0.00	42.08 -0.04 0.00	33.56 -0.34 0.00	27.86 -0.57 0.00
V_CMP_10_SYNC_DSASP 323788	30.25 0.65 0.00	27.30 0.35 0.00	25.86 0.16 0.00	25.89 0.10 0.00	28.13 0.22 0.00	30.94 0.12 0.00	38.32 0.11 0.00	38.97 0.39 0.00	38.73 0.80 0.00	36.11 0.91 0.00	36.50 0.92 0.00	35.45 0.90 0.00	34.73 0.98 0.00	35.53 0.93 0.00	37.07 0.90 0.00	38.94 0.91 0.00	41.87 0.94 0.00	48.79 1.10 0.00	51.19 1.10 0.00	52.64 0.93 0.00	51.23 0.46 0.00	42.25 0.13 0.00	33.70 -0.20 0.00	27.94 -0.48 0.00
V_D_10_SYNC_DSASP 323841	29.16 -0.44 0.00	26.43 -0.51 0.00	25.17 -0.54 0.00	25.37 -0.41 0.00	27.80 -0.11 0.00	30.85 0.03 0.00	38.21 0.00 0.00	38.66 0.08 0.00	38.12 0.19 0.00	35.41 0.21 0.00	35.79 0.21 0.00	34.80 0.24 0.00	34.02 0.27 0.00	34.80 0.21 0.00	36.31 0.15 0.00	38.22 0.19 0.00	41.18 0.25 0.00	47.70 0.00 0.00	50.14 0.05 0.00	51.71 0.00 0.00	50.72 -0.05 0.00	42.25 0.13 0.00	33.56 -0.34 0.00	27.83 -0.60 0.00
V_E_10_SYNC_DSASP 323830	32.29 2.69 0.00	29.48 2.53 0.00	28.07 2.36 0.00	28.23 2.45 0.00	30.65 2.74 0.00	34.24 3.42 0.00	42.45 4.24 0.00	42.68 4.09 0.00	42.26 4.32 0.00	38.65 3.45 0.00	38.99 3.42 0.00	37.70 3.14 0.00	36.28 2.53 0.00	36.98 2.39 0.00	38.87 2.71 0.00	41.26 3.23 0.00	44.37 3.44 0.00	52.37 4.68 0.00	54.50 4.41 0.00	56.36 4.66 0.00	55.60 4.83 0.00	45.83 3.71 0.00	36.71 2.81 0.00	31.92 2.10 -1.39



V_F_30_NSYNC___DSASP 323816	33.27 1.48 -2.20	28.40 1.45 0.00	27.07 1.36 0.00	27.11 1.29 -0.04	29.35 1.14 -0.30	38.60 1.32 -6.46	52.34 1.72 -12.41	49.45 1.74 -9.12	40.56 1.40 -1.23	36.32 1.13 0.00	37.00 1.28 -0.14	36.02 1.28 -0.19	34.93 1.18 0.00	36.45 1.35 -0.51	37.84 1.48 -0.20	39.63 1.60 0.00	43.51 1.88 -0.70	49.94 2.24 0.00	52.59 2.50 0.00	54.34 2.64 0.00	53.41 2.64 0.00	44.14 2.02 0.00	35.66 1.76 0.00	34.63 1.59 -4.61
V_F_30_SYNC_DSASP 323786	28.49 0.80 1.91	27.78 0.84 0.00	26.48 0.77 0.00	26.47 0.72 0.03	28.21 0.56 0.26	25.76 0.55 5.62	28.15 0.73 10.79	31.51 0.85 7.93	37.45 0.61 1.09	35.69 0.49 0.00	36.02 0.57 0.13	35.01 0.62 0.17	34.32 0.57 0.00	34.87 0.73 0.45	36.78 0.80 0.18	38.83 0.80 0.00	41.16 0.86 0.62	48.65 0.95 0.00	51.14 1.05 0.00	52.79 1.09 0.00	51.84 1.07 0.00	42.88 0.76 0.00	34.81 0.92 0.00	33.83 0.88 -4.52
V_XM_10_SYNC_DSASP 323789	30.25 0.65 0.00	27.30 0.35 0.00	25.86 0.16 0.00	25.89 0.10 0.00	28.13 0.22 0.00	30.94 0.12 0.00	38.32 0.11 0.00	38.97 0.39 0.00	38.73 0.80 0.00	36.11 0.91 0.00	36.50 0.92 0.00	35.45 0.90 0.00	34.73 0.98 0.00	35.53 0.93 0.00	37.07 0.90 0.00	38.94 0.91 0.00	41.87 0.94 0.00	48.79 1.10 0.00	51.19 1.10 0.00	52.64 0.93 0.00	51.23 0.46 0.00	42.25 0.13 0.00	33.70 -0.20 0.00	27.94 -0.48 0.00
W.BABYLN_69_KV_BK1 56697	48.74 3.26 -15.88	46.97 3.13 -16.89	43.16 2.96 -14.50	30.15 2.78 -1.58	30.55 2.62 -0.02	47.91 2.84 -14.26	48.54 3.67 -6.66	49.43 4.01 -6.83	49.68 4.02 -7.72	51.02 3.66 -12.16	50.09 3.09 -11.42	51.62 2.97 -14.10	54.12 2.97 -17.41	55.52 3.11 -17.82	53.96 3.25 -14.55	55.61 3.42 -14.15	61.31 3.56 -16.82	69.58 3.82 -18.07	74.14 4.01 -20.05	74.69 4.08 -18.89	71.84 4.11 -16.95	59.46 3.41 -13.93	49.23 3.46 -11.88	45.67 3.21 -14.03
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	31.58 1.98 0.00	28.91 1.97 0.00	27.56 1.85 0.00	27.48 1.70 0.00	29.36 1.45 0.00	32.36 1.54 0.00	40.27 2.06 0.00	40.98 2.39 0.00	40.47 2.54 0.00	37.59 2.39 0.00	37.82 2.24 0.00	36.76 2.21 0.00	36.04 2.29 0.00	36.95 2.35 0.00	38.66 2.50 0.00	40.65 2.62 0.00	43.63 2.70 0.00	50.70 3.00 0.00	53.04 2.96 0.00	54.76 3.05 0.00	53.87 3.10 0.00	44.52 2.40 0.00	36.13 2.24 0.00	33.83 1.99 -3.42
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	31.94 2.34 0.00	29.24 2.29 0.00	27.87 2.16 0.00	27.77 1.99 0.00	29.61 1.70 0.00	32.61 1.79 0.00	40.65 2.45 0.00	41.40 2.82 0.00	40.97 3.03 0.00	38.12 2.92 0.00	38.28 2.70 0.00	37.25 2.70 0.00	36.51 2.77 0.00	37.40 2.80 0.00	39.13 2.97 0.00	41.07 3.04 0.00	44.04 3.11 0.00	51.08 3.39 0.00	53.44 3.36 0.00	55.12 3.41 0.00	54.18 3.40 0.00	44.82 2.70 0.00	36.44 2.54 0.00	34.28 2.30 -3.55
W50THST__13_KV_LOAD 356117	32.12 2.52 0.00	29.40 2.45 0.00	28.02 2.31 0.00	27.92 2.14 0.00	29.78 1.87 0.00	32.79 1.97 0.00	40.92 2.71 0.00	41.71 3.13 0.00	41.27 3.34 0.00	38.40 3.20 0.00	38.56 2.99 0.00	37.46 2.90 0.00	36.75 3.00 0.00	37.64 3.04 0.00	39.34 3.18 0.00	41.34 3.31 0.00	44.33 3.40 0.00	51.37 3.67 0.00	53.74 3.66 0.00	55.38 3.67 0.00	54.43 3.66 0.00	45.03 2.91 0.00	36.58 2.68 0.00	34.39 2.42 -3.55
WADING RIVER_IC_1 23522	49.21 3.73 -15.88	47.34 3.50 -16.89	43.50 3.29 -14.50	30.48 3.12 -1.58	30.99 3.07 -0.02	48.38 3.30 -14.26	49.15 4.28 -6.66	50.08 4.67 -6.82	49.47 4.55 -6.99	50.36 4.15 -11.01	49.69 3.73 -10.38	51.07 3.59 -12.92	57.29 3.54 -20.00	65.07 3.74 -26.74	57.24 3.87 -17.21	57.02 4.07 -14.92	138.40 4.34 -93.14	196.60 4.87 -144.03	215.07 5.16 -159.82	207.53 5.22 -150.60	191.17 5.28 -135.12	136.86 4.30 -90.44	74.62 4.13 -36.58	53.33 3.81 -21.09
WADING RIVER_IC_2 23547	49.21 3.73 -15.88	47.34 3.50 -16.89	43.50 3.29 -14.50	30.48 3.12 -1.58	30.99 3.07 -0.02	48.38 3.30 -14.26	49.15 4.28 -6.66	50.08 4.67 -6.82	49.47 4.55 -6.99	50.36 4.15 -11.01	49.69 3.73 -10.38	51.07 3.59 -12.92	57.29 3.54 -20.00	65.07 3.74 -26.74	57.24 3.87 -17.21	57.02 4.07 -14.92	138.40 4.34 -93.14	196.60 4.87 -144.03	215.07 5.16 -159.82	207.53 5.22 -150.60	191.17 5.28 -135.12	136.86 4.30 -90.44	74.62 4.13 -36.58	53.33 3.81 -21.09
WADING RIVER_IC_3 23601	49.21 3.73 -15.88	47.34 3.50 -16.89	43.50 3.29 -14.50	30.48 3.12 -1.58	30.99 3.07 -0.02	48.38 3.30 -14.26	49.15 4.28 -6.66	50.08 4.67 -6.82	49.47 4.55 -6.99	50.36 4.15 -11.01	49.69 3.73 -10.38	51.07 3.59 -12.92	57.29 3.54 -20.00	65.07 3.74 -26.74	57.24 3.87 -17.21	57.02 4.07 -14.92	138.40 4.34 -93.14	196.60 4.87 -144.03	215.07 5.16 -159.82	207.53 5.22 -150.60	191.17 5.28 -135.12	136.86 4.30 -90.44	74.62 4.13 -36.58	53.33 3.81 -21.09
WALDENNY_12_KV_BK2 80841	28.36 -1.24 0.00	25.52 -1.43 0.00	24.55 -1.16 0.00	24.54 -1.24 0.00	26.15 -1.76 0.00	29.31 -1.51 0.00	35.80 -2.41 0.00	35.96 -2.62 0.00	35.39 -2.54 0.00	32.59 -2.60 0.00	32.87 -2.70 0.00	31.79 -2.76 0.00	30.74 -3.00 0.00	31.48 -3.11 0.00	32.87 -3.29 0.00	34.57 -3.46 0.00	37.12 -3.81 0.00	43.40 -4.29 0.00	45.83 -4.26 0.00	47.52 -4.19 0.00	46.66 -4.11 0.00	39.34 -2.78 0.00	31.80 -2.10 0.00	27.23 -1.79 -0.60
WALDEN__HYDRO 24148	31.49 1.89 0.00	28.83 1.89 0.00	27.46 1.75 0.00	27.41 1.62 0.00	29.30 1.40 0.00	32.30 1.48 0.00	40.16 1.95 0.00	40.83 2.24 0.00	40.25 2.31 0.00	37.38 2.18 0.00	37.60 2.03 0.00	36.52 1.97 0.00	35.84 2.09 0.00	36.70 2.11 0.00	38.40 2.24 0.00	40.42 2.40 0.00	43.43 2.50 0.00	50.51 2.81 0.00	52.89 2.80 0.00	54.60 2.90 0.00	53.72 2.94 0.00	44.40 2.27 0.00	36.00 2.10 0.00	33.72 1.88 -3.42
WARRENSBURG____ 23737	32.57 1.42 -1.55	28.37 1.43 0.00	27.02 1.31 0.00	27.05 1.24 -0.03	29.26 1.14 -0.21	36.69 1.29 -4.57	48.75 1.76 -8.78	46.86 1.81 -6.46	40.16 1.37 -0.86	36.25 1.06 0.00	36.92 1.25 -0.10	35.93 1.24 -0.13	34.86 1.11 0.00	36.23 1.28 -0.36	37.78 1.48 -0.14	39.66 1.64 0.00	43.43 2.01 -0.50	50.18 2.48 0.00	52.89 2.80 0.00	54.76 3.05 0.00	53.77 3.00 0.00	44.40 2.27 0.00	35.76 1.86 0.00	34.70 1.65 -4.63
WATERSIDE____6 8 9 23538	31.88 2.28 0.00	29.26 2.32 0.00	27.89 2.19 0.00	27.76 1.99 0.00	29.55 1.65 0.00	32.54 1.73 0.00	40.46 2.25 0.00	41.25 2.66 0.00	40.82 2.88 0.00	38.01 2.82 0.00	38.20 2.63 0.01	35.75 2.73 1.53	34.20 2.80 2.34	29.19 2.87 8.27	36.65 3.00 2.52	39.02 3.08 2.09	42.35 3.15 1.74	51.04 3.43 0.09	53.49 3.41 0.01	55.01 3.41 0.11	50.18 3.40 4.00	43.50 2.65 1.28	33.88 2.51 2.53	31.55 2.27 -0.85
WATKINRD_115KV_LN8_ILLION 55919	29.78 0.18 0.00	27.13 0.19 0.00	25.89 0.18 0.00	25.94 0.15 0.00	27.99 0.08 0.00	30.91 0.09 0.00	38.29 0.08 0.00	38.63 0.04 0.00	37.97 0.04 0.00	35.20 0.00 0.00	35.61 0.04 0.00	34.59 0.03 0.00	33.75 0.00 0.00	34.59 0.00 0.00	36.20 0.04 0.00	38.07 0.04 0.00	40.97 0.04 0.00	47.79 0.10 0.00	50.14 0.05 0.00	51.71 0.00 0.00	50.77 0.00 0.00	42.04 -0.08 0.00	33.86 -0.03 0.00	28.45 0.03 0.00

WDELAWARE___HYD 323627	31.58 1.98 0.00	28.89 1.94 0.00	27.51 1.80 0.00	27.46 1.67 0.00	29.44 1.53 0.00	32.42 1.60 0.00	40.35 2.14 0.00	40.98 2.39 0.00	40.36 2.43 0.00	37.42 2.22 0.00	37.64 2.06 0.00	36.59 2.04 0.00	35.84 2.09 0.00	36.67 2.08 0.00	38.40 2.24 0.00	40.46 2.44 0.00	43.51 2.58 0.00	50.70 3.01 0.00	53.14 3.06 0.00	54.92 3.21 0.00	53.97 3.20 0.00	44.69 2.57 0.00	36.13 2.24 0.00	33.60 1.96 -3.21
WEST BABYLON___IC 23714	48.74 3.26 -15.88	46.97 3.13 -16.89	43.16 2.96 -14.50	30.15 2.78 -1.58	30.55 2.62 -0.02	47.91 2.84 -14.26	48.54 3.67 -6.66	49.43 4.01 -6.83	49.68 4.02 -7.72	51.02 3.66 -12.16	50.09 3.09 -11.42	51.62 2.97 -14.10	54.12 2.97 -17.41	55.52 3.11 -17.82	53.96 3.25 -14.55	55.61 3.42 -14.15	61.31 3.56 -16.82	69.58 3.82 -18.07	74.14 4.01 -20.05	74.69 4.08 -18.89	71.84 4.11 -16.95	59.46 3.41 -13.93	49.23 3.46 -11.88	45.67 3.21 -14.03
WEST CANADA___HYD 24049	29.75 0.15 0.00	27.11 0.16 0.00	25.86 0.16 0.00	25.91 0.13 0.00	27.96 0.06 0.00	30.88 0.06 0.00	38.29 0.08 0.00	38.66 0.08 0.00	38.01 0.08 0.00	35.23 0.04 0.00	35.61 0.04 0.00	34.59 0.03 0.00	33.75 0.00 0.00	34.63 0.03 0.00	36.20 0.04 0.00	38.07 0.04 0.00	40.97 0.04 0.00	47.79 0.10 0.00	50.14 0.05 0.00	51.76 0.05 0.00	50.82 0.05 0.00	42.12 0.00 0.00	34.00 0.10 0.00	28.57 0.14 0.00
WESTERN_NY_WIND 24143	28.83 -0.77 0.00	25.95 -1.00 0.00	24.89 -0.82 0.00	24.88 -0.90 0.00	26.60 -1.31 0.00	29.77 -1.05 0.00	36.38 -1.83 0.00	36.50 -2.08 0.00	35.96 -1.97 0.00	33.12 -2.08 0.00	33.40 -2.17 0.00	32.34 -2.21 0.00	31.32 -2.43 0.00	32.10 -2.49 0.00	33.59 -2.57 0.00	35.40 -2.62 0.00	37.98 -2.95 0.00	44.50 -3.20 0.00	47.08 -3.01 0.00	48.97 -2.74 0.00	47.98 -2.79 0.00	40.44 -1.68 0.00	32.58 -1.32 0.00	27.97 -0.97 -0.51
WESTOVER___LESR 323668	29.81 0.21 0.00	27.11 0.16 0.00	25.89 0.18 0.00	25.91 0.13 0.00	27.85 -0.06 0.00	30.88 0.06 0.00	38.25 0.04 0.00	38.55 -0.04 0.00	37.86 -0.08 0.00	35.06 -0.14 0.00	35.40 -0.18 0.00	34.31 -0.24 0.00	33.41 -0.34 0.00	34.25 -0.35 0.00	35.84 -0.33 0.00	37.72 -0.30 0.00	40.56 -0.37 0.00	47.41 -0.29 0.00	49.79 -0.30 0.00	51.45 -0.26 0.00	50.57 -0.20 0.00	42.08 -0.04 0.00	33.90 0.00 0.00	29.62 0.00 -1.19
WETHRSFD_WT_PWR 323626	28.42 -1.18 0.00	25.65 -1.29 0.00	24.63 -1.08 0.00	24.65 -1.13 0.00	26.32 -1.59 0.00	29.43 -1.39 0.00	36.15 -2.06 0.00	36.27 -2.31 0.00	35.62 -2.32 0.00	32.77 -2.43 0.00	33.01 -2.56 0.00	31.69 -2.87 0.00	30.71 -3.04 0.00	31.48 -3.11 0.00	32.91 -3.25 0.00	34.64 -3.38 0.00	37.25 -3.68 0.00	43.64 -4.05 0.00	45.93 -4.16 0.00	47.57 -4.14 0.00	46.66 -4.11 0.00	39.05 -3.07 0.00	31.56 -2.34 0.00	27.14 -1.96 -0.68
WHAVSTOR_138KV_BK127 55557	31.52 1.92 0.00	28.86 1.91 0.00	27.48 1.77 0.00	27.43 1.65 0.00	29.30 1.40 0.00	32.27 1.45 0.00	40.16 1.95 0.00	40.86 2.28 0.00	40.36 2.43 0.00	37.48 2.29 0.00	37.71 2.13 0.00	36.66 2.11 0.00	35.94 2.19 0.00	36.84 2.25 0.00	38.55 2.39 0.00	40.54 2.51 0.00	43.51 2.58 0.00	50.51 2.81 0.00	52.89 2.80 0.00	54.55 2.84 0.00	53.67 2.89 0.00	44.40 2.27 0.00	36.03 2.14 0.00	33.78 1.93 -3.43
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	31.52 1.92 0.00	28.86 1.91 0.00	27.48 1.77 0.00	27.43 1.65 0.00	29.30 1.40 0.00	32.27 1.45 0.00	40.16 1.95 0.00	40.86 2.28 0.00	40.36 2.43 0.00	37.48 2.29 0.00	37.71 2.13 0.00	36.66 2.11 0.00	35.94 2.19 0.00	36.84 2.25 0.00	38.55 2.39 0.00	40.54 2.51 0.00	43.51 2.58 0.00	50.51 2.81 0.00	52.89 2.80 0.00	54.55 2.84 0.00	53.67 2.89 0.00	44.40 2.27 0.00	36.03 2.14 0.00	33.78 1.93 -3.43
WHITEHAL_115KV_TB1 80871	33.08 1.81 -1.67	28.72 1.78 0.00	27.33 1.62 0.00	27.36 1.55 -0.03	29.59 1.45 -0.23	37.47 1.73 -4.93	50.00 2.33 -9.46	47.90 2.35 -6.95	40.57 1.71 -0.93	36.50 1.30 0.00	37.18 1.49 -0.11	36.22 1.52 -0.14	35.13 1.38 0.00	36.54 1.56 -0.39	38.12 1.81 -0.15	40.04 2.02 0.00	44.00 2.54 -0.53	50.84 3.15 0.00	53.74 3.66 0.00	55.74 4.03 0.00	54.73 3.96 0.00	45.11 2.99 0.00	36.30 2.41 0.00	35.15 2.10 -4.63
WHITEPLN_13_KV_LOAD 356215	31.88 2.28 0.00	29.18 2.24 0.00	27.82 2.11 0.00	27.72 1.93 0.00	29.61 1.70 0.00	32.61 1.79 0.00	40.62 2.41 0.00	41.37 2.78 0.00	40.89 2.96 0.00	38.05 2.85 0.00	38.28 2.70 0.00	37.21 2.66 0.00	36.48 2.73 0.00	37.40 2.80 0.00	39.13 2.97 0.00	41.15 3.12 0.00	44.16 3.23 0.00	51.27 3.58 0.00	53.69 3.61 0.00	55.33 3.62 0.00	54.43 3.66 0.00	44.95 2.82 0.00	36.51 2.61 0.00	34.27 2.30 -3.54
WM_FLOYD_69_KV_BK2 356380	49.09 3.61 -15.88	47.23 3.40 -16.89	43.40 3.19 -14.50	30.41 3.04 -1.58	30.83 2.90 -0.02	48.25 3.17 -14.26	49.00 4.13 -6.66	49.89 4.48 -6.82	49.34 4.40 -7.01	50.24 4.01 -11.03	49.53 3.56 -10.40	50.88 3.39 -12.94	56.93 3.34 -19.84	64.45 3.56 -26.30	56.91 3.69 -17.06	56.76 3.88 -14.85	134.71 4.13 -89.64	190.62 4.63 -138.29	208.45 4.91 -153.46	201.33 5.02 -144.60	185.54 5.03 -129.74	133.11 4.04 -86.95	73.30 3.97 -35.44	52.78 3.61 -20.75
WOODARD___115KV_TB2 355635	29.33 -0.27 0.00	26.70 -0.24 0.00	25.48 -0.23 0.00	25.50 -0.28 0.00	27.49 -0.42 0.00	30.42 -0.40 0.00	37.75 -0.46 0.00	38.01 -0.58 0.00	37.33 -0.61 0.00	34.63 -0.56 0.00	35.04 -0.53 0.00	34.00 -0.55 0.00	33.17 -0.57 0.00	34.01 -0.59 0.00	35.58 -0.58 0.00	37.46 -0.57 0.00	40.23 -0.70 0.00	46.98 -0.72 0.00	49.34 -0.75 0.00	50.93 -0.78 0.00	50.01 -0.76 0.00	41.58 -0.55 0.00	33.46 -0.44 0.00	28.54 -0.20 -0.31
WOODMERE_69_KV_BK1 55827	48.50 3.02 -15.88	46.72 2.88 -16.89	42.93 2.73 -14.50	29.92 2.55 -1.58	30.30 2.37 -0.02	47.61 2.53 -14.26	48.16 3.29 -6.66	49.09 3.63 -6.88	52.98 3.72 -11.33	56.49 3.45 -17.84	55.38 3.06 -16.75	58.17 2.97 -20.65	61.41 3.00 -24.66	61.61 3.08 -23.94	59.92 3.25 -20.50	61.74 3.38 -20.33	53.01 3.56 -8.52	51.72 4.01 -0.01	54.21 4.11 -0.01	55.91 4.19 -0.01	55.05 4.27 -0.01	49.69 3.29 -4.28	49.19 3.22 -12.07	48.55 2.87 -17.26
YORK___WARBASSE 23770	31.99 2.37 -0.02	29.39 2.43 -0.02	28.05 2.31 -0.02	27.92 2.11 -0.02	29.75 1.81 -0.02	32.72 1.88 -0.02	40.57 2.33 -0.03	41.29 2.70 0.00	40.89 2.96 0.00	38.08 2.89 0.00	38.33 2.70 -0.06	48.09 2.83 -10.70	53.06 2.90 -16.41	99.28 2.98 -61.71	56.90 3.11 -17.63	55.87 3.19 -14.64	56.35 3.27 -12.15	51.90 3.58 -0.63	53.70 3.56 -0.06	56.07 3.57 -0.79	82.33 3.55 -28.00	53.86 2.78 -8.96	54.19 2.61 -17.68	53.23 2.33 -22.47