

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

05/12/2025

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	29.77	23.00	21.67	21.56	24.04	31.79	37.92	40.48	37.58	32.34	31.22	29.52	28.72	29.20	29.73	31.23	36.26	46.93	55.19	59.86	59.81	51.12	41.75	34.58
24138	2.03	1.68	1.54	1.50	1.51	1.91	2.41	2.93	2.94	2.64	2.63	2.71	2.78	2.88	2.91	3.11	3.27	3.68	3.95	4.33	4.22	3.48	2.73	2.44
	0.00	0.00	-0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.45	-0.36	-0.86	-0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	29.69	22.94	21.63	21.50	24.00	31.67	37.78	40.33	37.44	32.28	31.16	29.49	28.70	29.17	29.70	31.20	36.23	46.93	54.98	59.63	59.58	50.98	41.75	34.48
24260	1.94	1.62	1.50	1.44	1.46	1.79	2.27	2.78	2.81	2.58	2.57	2.68	2.75	2.86	2.88	3.09	3.23	3.68	3.74	4.11	4.00	3.34	2.73	2.35
	0.00	0.00	-0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.45	-0.36	-0.86	-0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_2	29.69	22.94	21.63	21.50	24.00	31.67	37.78	40.33	37.44	32.28	31.16	29.49	28.70	29.17	29.70	31.20	36.23	46.93	54.98	59.63	59.58	50.98	41.75	34.48
24261	1.94	1.62	1.50	1.44	1.46	1.79	2.27	2.78	2.81	2.58	2.57	2.68	2.75	2.86	2.88	3.09	3.23	3.68	3.74	4.11	4.00	3.34	2.73	2.35
	0.00	0.00	-0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.45	-0.36	-0.86	-0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	29.00	22.38	21.20	21.02	23.52	31.19	37.39	39.78	35.88	30.35	29.27	27.32	26.08	26.66	26.65	29.10	34.35	43.86	54.92	64.45	67.45	54.09	44.02	33.00
24011	1.25	1.07	1.02	0.96	0.99	1.31	1.56	1.76	1.25	0.65	0.69	0.51	0.61	0.73	0.75	1.04	1.35	0.61	1.08	1.67	1.89	1.14	0.98	0.87
	0.00	0.00	-0.22	0.00	0.00	0.00	-0.32	-0.47	0.00	0.00	0.00	0.00	0.03	0.03	0.06	0.00	0.00	0.00	-2.60	-7.26	-9.98	-5.30	-4.02	0.00
ADK RESOURCE___RCVRY	29.05	22.40	21.22	21.06	23.57	31.26	37.48	39.87	35.95	30.38	29.33	27.34	26.10	26.72	26.67	29.15	34.41	43.90	54.92	64.38	67.39	53.97	43.93	33.07
23798	1.30	1.09	1.04	1.00	1.04	1.38	1.67	1.88	1.32	0.68	0.74	0.54	0.64	0.78	0.78	1.09	1.42	0.65	1.18	1.89	2.23	1.24	1.05	0.93
	0.00	0.00	-0.22	0.00	0.00	0.00	-0.30	-0.45	0.00	0.00	0.00	0.00	0.03	0.03	0.06	0.00	0.00	0.00	-2.50	-6.97	-9.58	-5.09	-3.86	0.00
ADK S GLENS___FALLS	29.00	22.38	21.20	21.02	23.52	31.19	37.39	39.78	35.88	30.35	29.27	27.32	26.08	26.66	26.65	29.10	34.35	43.86	54.92	64.45	67.45	54.09	44.02	33.00
24028	1.25	1.07	1.02	0.96	0.99	1.31	1.56	1.76	1.25	0.65	0.69	0.51	0.61	0.73	0.75	1.04	1.35	0.61	1.08	1.67	1.89	1.14	0.98	0.87
	0.00	0.00	-0.22	0.00	0.00	0.00	-0.32	-0.47	0.00	0.00	0.00	0.00	0.03	0.03	0.06	0.00	0.00	0.00	-2.60	-7.26	-9.98	-5.30	-4.02	0.00
ADK_NYS___DAM	29.13	22.51	21.27	21.12	23.64	31.28	37.80	40.46	36.30	31.04	29.90	27.93	26.64	27.24	27.20	29.46	34.51	44.55	58.93	74.11	80.51	61.44	49.85	33.74
23527	1.39	1.19	1.10	1.06	1.10	1.40	1.67	1.84	1.66	1.34	1.32	1.13	1.15	1.27	1.25	1.40	1.52	1.30	1.74	2.00	2.11	1.67	1.64	1.61
	0.00	0.00	-0.22	0.00	0.00	0.00	-0.62	-1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.94	-16.59	-22.82	-12.12	-9.20	0.00
AIR_PRODUCTS___DRP	28.22	21.87	20.70	20.56	22.96	30.30	35.59	37.47	35.02	30.02	28.96	27.16	25.93	26.46	26.42	28.68	33.56	43.38	48.40	47.42	44.33	41.66	34.76	32.62
24190	0.47	0.55	0.52	0.50	0.43	0.42	0.39	0.45	0.38	0.33	0.37	0.35	0.46	0.52	0.52	0.62	0.56	0.13	0.15	0.28	0.28	0.14	0.39	0.48
	0.00	0.00	-0.22	0.00	0.00	0.00	0.31	0.53	0.00	0.00	0.00	0.00	0.03	0.02	0.05	0.00	0.00	0.00	3.00	8.38	11.53	6.12	4.64	0.00
AKWESSNE_115KV_BK	27.53	21.00	19.74	19.88	22.38	29.82	35.37	37.47	34.53	29.73	28.44	26.49	25.06	25.42	25.34	27.42	32.60	43.25	51.35	55.58	55.58	47.74	39.06	31.88
355683	-0.22	-0.32	-0.22	-0.18	-0.16	-0.06	-0.14	-0.08	-0.10	0.03	-0.14	-0.32	-0.43	-0.55	-0.62	-0.65	-0.40	0.00	0.10	0.06	0.00	0.00	0.00	-0.26
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	28.64	22.15	20.95	20.80	23.25	30.75	36.19	38.01	35.12	29.96	28.90	27.08	25.88	26.43	26.45	28.68	33.62	43.73	50.18	51.14	49.18	44.51	36.89	33.10
323833	0.89	0.83	0.78	0.74	0.72	0.87	0.89	0.83	0.48	0.27	0.32	0.27	0.38	0.47	0.49	0.62	0.63	0.48	0.97	1.28	1.39	1.00	1.01	0.96
	0.00	0.00	-0.21	0.00	0.00	0.00	0.21	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.03	5.67	7.79	4.14	3.14	0.00
ALBANY_2_SOLAR	28.64	22.15	20.95	20.80	23.25	30.72	36.15	37.98	35.12	29.96	28.90	27.08	25.88	26.40	26.45	28.68	33.62	43.73	50.14	51.14	49.18	44.51	36.89	33.10
323834	0.89	0.83	0.78	0.74	0.72	0.84	0.85	0.79	0.48	0.27	0.32	0.27	0.38	0.44	0.49	0.62	0.63	0.48	0.92	1.28	1.39	1.00	1.01	0.96
	0.00	0.00	-0.21	0.00	0.00	0.00	0.21	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.03	5.66	7.79	4.14	3.14	0.00
ALBANY___1	28.22	21.87	20.70	20.56	22.96	30.30	35.59	37.47	35.02	30.02	28.96	27.16	25.93	26.46	26.42	28.68	33.56	43.38	48.40	47.42	44.33	41.66	34.76	32.62
23571	0.47	0.55	0.52	0.50	0.43	0.42	0.39	0.45	0.38	0.33	0.37	0.35	0.46	0.52	0.52	0.62	0.56	0.13	0.15	0.28	0.28	0.14	0.39	0.48
	0.00	0.00	-0.22	0.00	0.00	0.00	0.31	0.53	0.00	0.00	0.00	0.00	0.03	0.02	0.05	0.00	0.00	0.00	3.00	8.38	11.53	6.12	4.64	0.00



ALBANY___2 23572	28.22 0.47 0.00	21.87 0.55 0.00	20.70 0.52 -0.22	20.56 0.50 0.00	22.96 0.43 0.00	30.30 0.42 0.00	35.59 0.39 0.31	37.47 0.45 0.53	35.02 0.38 0.00	30.02 0.33 0.00	28.96 0.37 0.00	27.16 0.35 0.00	25.93 0.46 0.03	26.46 0.52 0.02	26.42 0.52 0.05	28.68 0.62 0.00	33.56 0.56 0.00	43.38 0.13 0.00	48.40 0.15 3.00	47.42 0.28 8.38	44.33 0.28 11.53	41.66 0.14 6.12	34.76 0.39 4.64	32.62 0.48 0.00
ALBANY___3 23573	28.22 0.47 0.00	21.87 0.55 0.00	20.70 0.52 -0.22	20.56 0.50 0.00	22.96 0.43 0.00	30.30 0.42 0.00	35.59 0.39 0.31	37.47 0.45 0.53	35.02 0.38 0.00	30.02 0.33 0.00	28.96 0.37 0.00	27.16 0.35 0.00	25.93 0.46 0.03	26.46 0.52 0.02	26.42 0.52 0.05	28.68 0.62 0.00	33.56 0.56 0.00	43.38 0.13 0.00	48.40 0.15 3.00	47.42 0.28 8.38	44.33 0.28 11.53	41.66 0.14 6.12	34.76 0.39 4.64	32.62 0.48 0.00
ALBANY___4 23574	28.22 0.47 0.00	21.87 0.55 0.00	20.70 0.52 -0.22	20.56 0.50 0.00	22.96 0.43 0.00	30.30 0.42 0.00	35.59 0.39 0.31	37.47 0.45 0.53	35.02 0.38 0.00	30.02 0.33 0.00	28.96 0.37 0.00	27.16 0.35 0.00	25.93 0.46 0.03	26.46 0.52 0.02	26.42 0.52 0.05	28.68 0.62 0.00	33.56 0.56 0.00	43.38 0.13 0.00	48.40 0.15 3.00	47.42 0.28 8.38	44.33 0.28 11.53	41.66 0.14 6.12	34.76 0.39 4.64	32.62 0.48 0.00
ALBANY___LFGE 323615	28.44 0.69 0.00	22.02 0.70 0.00	20.84 0.66 -0.22	20.70 0.64 0.00	23.12 0.58 0.00	30.54 0.66 0.00	35.86 0.64 0.29	37.80 0.75 0.50	35.29 0.66 0.00	30.20 0.50 0.00	29.16 0.57 0.00	27.34 0.54 0.00	26.08 0.61 0.03	26.64 0.70 0.02	26.61 0.70 0.05	28.90 0.84 0.00	33.82 0.83 0.00	43.73 0.48 0.00	49.06 0.66 2.84	48.42 0.83 7.94	45.60 0.94 10.92	42.42 0.57 5.80	35.32 0.70 4.40	32.87 0.74 0.00
ALCOA_PA_115KV_PL-6C 55860	27.53 -0.22 0.00	21.00 -0.32 0.00	19.74 -0.22 0.00	19.86 -0.20 0.00	22.35 -0.18 0.00	29.91 0.03 0.00	35.55 0.04 0.00	37.62 0.08 0.00	34.64 0.00 0.00	29.82 0.12 0.00	28.41 -0.17 0.00	26.43 -0.38 0.00	25.04 -0.46 0.00	25.37 -0.60 0.00	25.28 -0.67 0.00	27.39 -0.67 0.00	32.57 -0.43 0.00	43.25 0.00 0.00	51.45 0.20 0.00	55.75 0.22 0.00	55.69 0.11 0.00	47.84 0.19 0.00	39.14 0.12 0.00	31.91 -0.22 0.00
ALCOA_RYNLDS___DRP 24188	27.53 -0.22 0.00	21.00 -0.32 0.00	19.74 -0.22 0.00	19.86 -0.20 0.00	22.35 -0.18 0.00	29.91 0.03 0.00	35.55 0.04 0.00	37.62 0.08 0.00	34.64 0.00 0.00	29.82 0.12 0.00	28.41 -0.17 0.00	26.43 -0.38 0.00	25.04 -0.46 0.00	25.37 -0.60 0.00	25.28 -0.67 0.00	27.39 -0.67 0.00	32.57 -0.43 0.00	43.25 0.00 0.00	51.45 0.20 0.00	55.75 0.22 0.00	55.69 0.11 0.00	47.84 0.19 0.00	39.14 0.12 0.00	31.91 -0.22 0.00
ALCOA___DSASP 323711	27.52 -0.22 0.00	21.00 -0.32 0.00	19.74 -0.22 0.00	19.86 -0.20 0.00	22.35 -0.18 0.00	29.91 0.03 0.00	35.55 0.04 0.00	37.66 0.11 0.00	34.64 0.00 0.00	29.82 0.12 0.00	28.42 -0.17 0.00	26.43 -0.38 0.00	25.04 -0.46 0.00	25.37 -0.60 0.00	25.28 -0.68 0.00	27.39 -0.67 0.00	32.57 -0.43 0.00	43.25 0.00 0.00	51.45 0.21 0.00	55.69 0.17 0.00	55.58 0.00 0.00	47.84 0.19 0.00	39.14 0.12 0.00	31.91 -0.22 0.00
ALLEGHENY___COGEN 23514	27.56 -0.19 0.00	21.08 -0.23 0.00	19.63 -0.36 -0.03	19.68 -0.38 0.00	22.08 -0.45 0.00	29.43 -0.45 0.00	35.16 -0.36 0.00	36.95 -0.60 0.00	33.70 -0.93 0.00	28.42 -1.28 0.00	27.21 -1.37 0.00	25.79 -1.02 0.00	24.53 -0.97 0.00	25.13 -0.83 0.00	25.28 -0.68 0.00	27.19 -0.87 0.00	31.78 -1.22 0.00	42.17 -1.08 0.00	50.63 -0.61 0.00	55.80 0.28 0.00	56.19 0.61 0.00	47.79 0.14 0.00	38.98 -0.04 0.00	32.20 0.06 0.00
ALTAMONT_115KV_TB 2 55880	28.50 0.75 0.00	22.02 0.70 0.00	20.83 0.66 -0.22	20.68 0.62 0.00	23.14 0.61 0.00	30.60 0.72 0.00	36.15 0.78 0.14	38.17 0.86 0.24	35.40 0.76 0.00	30.32 0.62 0.00	29.22 0.63 0.00	27.45 0.64 0.00	26.17 0.71 0.04	26.71 0.78 0.03	26.65 0.78 0.08	28.95 0.90 0.01	33.89 0.89 0.00	43.98 0.74 0.00	50.73 0.87 1.39	52.71 1.05 3.87	51.31 1.06 5.33	45.67 0.86 2.83	37.69 0.82 2.15	32.94 0.80 0.00
ALTONA_WT_PWR 323606	27.75 0.00 0.00	21.17 -0.15 0.00	19.92 -0.04 0.00	20.06 0.00 0.00	22.56 0.02 0.00	30.33 0.45 0.00	35.76 0.25 0.00	37.59 0.04 0.00	34.67 0.03 0.00	30.03 0.33 0.00	28.70 0.11 0.00	26.49 -0.32 0.00	24.93 -0.56 0.00	25.19 -0.78 0.00	25.10 -0.86 0.00	27.30 -0.76 0.00	32.67 -0.33 0.00	43.81 0.56 0.00	52.68 1.43 0.00	57.52 2.00 0.00	57.47 1.89 0.00	49.27 1.62 0.00	40.27 1.25 0.00	32.87 0.74 0.00
AMERICAN_REF_FUEL 24010	25.64 -2.11 0.00	19.69 -1.62 0.00	18.29 -1.70 -0.03	18.33 -1.73 0.00	20.48 -2.05 0.00	27.07 -2.81 0.00	32.21 -3.30 0.00	33.83 -3.72 0.00	31.55 -3.08 0.00	26.76 -2.94 0.00	25.81 -2.77 0.00	24.74 -2.06 0.00	23.56 -1.94 0.00	24.22 -1.74 0.00	24.40 -1.56 0.00	25.98 -2.08 0.00	29.93 -3.07 0.00	38.88 -4.37 0.00	45.66 -5.58 0.00	50.03 -5.50 0.00	50.19 -5.39 0.00	43.12 -4.53 0.00	35.47 -3.55 0.00	29.72 -2.41 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	26.44 -1.30 0.00	20.23 -1.09 0.00	18.67 -1.32 -0.03	18.78 -1.28 0.00	20.98 -1.55 0.00	27.79 -2.09 0.00	33.20 -2.31 0.00	34.92 -2.63 0.00	32.73 -1.91 0.00	27.92 -1.78 0.00	27.16 -1.43 0.00	26.08 -0.72 0.00	24.88 -0.61 0.00	25.63 -0.34 0.00	25.86 -0.10 0.00	27.64 -0.42 0.00	31.84 -1.16 0.00	41.69 -1.56 0.00	48.84 -2.41 0.00	53.25 -2.28 0.00	53.14 -2.44 0.00	45.31 -2.33 0.00	37.07 -1.95 0.00	30.85 -1.29 0.00
ARTHUR KILL_GT_1 23520	29.89 2.14 -0.01	23.16 1.83 -0.01	21.82 1.68 -0.18	21.71 1.64 -0.01	24.19 1.64 -0.01	31.79 1.91 0.00	37.75 2.24 0.00	40.17 2.59 -0.03	37.13 2.46 -0.03	32.03 2.29 -0.05	30.95 2.32 -0.05	37.08 2.44 -7.83	40.43 2.55 -12.38	42.42 2.65 -13.81	46.42 2.67 -17.79	46.92 2.86 -15.99	47.50 2.97 -11.53	50.51 3.33 -3.93	54.42 3.18 0.00	59.02 3.50 0.01	58.91 3.33 0.01	50.58 2.91 -0.03	46.46 2.30 -5.14	34.31 2.15 -0.02
ARTHUR_KILL_2 23512	29.86 2.11 -0.01	23.11 1.79 -0.01	21.78 1.64 -0.18	21.65 1.58 -0.01	24.14 1.60 -0.01	31.73 1.85 0.00	37.68 2.17 0.00	40.06 2.48 -0.03	37.02 2.36 -0.03	31.94 2.20 -0.05	30.86 2.23 -0.05	37.00 2.36 -7.83	40.35 2.47 -12.38	42.34 2.57 -13.81	46.34 2.60 -17.79	46.86 2.81 -15.99	47.43 2.90 -11.53	50.38 3.20 -3.93	54.26 3.02 0.01	58.85 3.33 0.01	58.74 3.17 0.01	50.39 2.71 -0.03	46.34 2.18 -5.14	34.22 2.06 -0.02
ARTHUR_KILL_3 23513	29.44 1.69 0.00	22.74 1.43 0.00	21.45 1.32 -0.18	21.32 1.26 0.00	23.79 1.26 0.00	31.43 1.55 0.00	37.46 1.95 0.00	40.05 2.48 -0.02	37.19 2.53 -0.02	32.11 2.38 -0.04	31.00 2.37 -0.04	37.09 2.46 -7.82	40.44 2.57 -12.37	42.44 2.67 -13.80	46.44 2.70 -17.78	46.94 2.89 -15.99	47.52 3.00 -11.52	50.42 3.25 -3.92	54.53 3.28 0.00	59.13 3.61 0.00	59.08 3.50 0.00	50.53 2.86 -0.02	46.65 2.50 -5.13	34.27 2.12 -0.01



ARTHUR_KILL_COGEN 323718	29.92 2.17 -0.01	23.16 1.83 -0.01	21.82 1.68 -0.18	21.71 1.65 -0.01	24.19 1.64 -0.01	31.79 1.91 0.00	37.75 2.24 0.00	40.17 2.59 -0.03	37.13 2.46 -0.03	32.03 2.29 -0.05	30.95 2.31 -0.05	37.08 2.44 -7.83	40.43 2.55 -12.38	42.42 2.65 -13.81	46.42 2.67 -17.79	46.92 2.86 -15.99	47.53 3.00 -11.53	50.51 3.33 -3.93	54.42 3.18 0.01	59.02 3.50 0.01	58.91 3.33 0.01	50.53 2.86 -0.03	46.46 2.30 -5.14	34.31 2.15 -0.02
ASHOKAN____ 23654	28.94 1.19 0.00	22.34 1.02 0.00	21.13 0.98 -0.20	21.00 0.94 0.00	23.39 0.86 0.00	30.84 0.96 0.00	37.02 1.67 0.15	39.58 2.29 0.26	36.02 1.39 0.00	30.65 0.95 0.00	29.56 0.97 0.00	27.91 1.10 0.00	27.31 1.66 -0.16	27.86 1.77 -0.13	28.13 1.87 -0.31	30.10 2.02 -0.02	34.68 1.68 0.00	45.37 2.12 0.00	53.25 3.49 1.48	55.29 3.89 4.12	53.96 4.06 5.67	47.68 3.05 3.01	39.23 2.50 2.29	33.77 1.64 0.00
ASTORIA_EAST_ENERGY_CC1 323581	29.69 1.94 0.00	23.02 1.71 0.00	21.69 1.56 -0.18	21.54 1.48 0.00	24.00 1.46 0.00	31.40 1.52 0.01	37.38 1.88 0.01	39.91 2.37 0.01	37.09 2.46 0.01	32.07 2.38 0.01	31.04 2.46 0.01	29.40 2.60 0.01	28.64 2.70 -0.44	29.12 2.80 -0.35	29.62 2.80 -0.86	31.11 3.00 -0.04	36.06 3.07 0.01	46.57 3.33 0.01	54.41 3.18 0.01	58.96 3.44 0.01	58.91 3.33 0.01	50.35 2.71 0.01	41.31 2.30 0.01	34.16 2.03 0.00
ASTORIA_EAST_ENERGY_CC2 323582	29.69 1.94 0.00	23.02 1.71 0.00	21.69 1.56 -0.18	21.54 1.48 0.00	24.00 1.46 0.00	31.37 1.49 0.01	37.38 1.88 0.01	39.91 2.37 0.01	37.09 2.46 0.01	32.07 2.38 0.01	31.04 2.46 0.01	29.40 2.60 0.01	28.64 2.70 -0.44	29.12 2.80 -0.35	29.62 2.80 -0.86	31.11 3.00 -0.04	36.06 3.07 0.01	46.57 3.33 0.01	54.41 3.18 0.01	58.96 3.44 0.01	58.91 3.33 0.01	50.35 2.71 0.01	41.31 2.30 0.01	34.16 2.03 0.00
ASTORIA_GT2_1 24094	29.69 1.94 0.00	23.02 1.71 0.00	21.69 1.56 -0.18	21.54 1.48 0.00	24.00 1.46 0.00	31.40 1.52 0.00	37.39 1.88 0.00	39.95 2.40 0.00	37.13 2.49 0.00	32.07 2.38 0.00	31.04 2.46 0.00	29.41 2.60 0.00	28.65 2.70 -0.45	29.12 2.80 -0.36	29.63 2.80 -0.86	31.12 3.00 -0.05	36.03 3.04 0.00	46.62 3.37 0.00	54.47 3.23 0.00	59.02 3.50 0.00	58.92 3.33 0.00	50.41 2.76 0.00	41.36 2.34 0.00	34.16 2.02 0.00
ASTORIA_GT2_2 24095	29.69 1.94 0.00	23.02 1.71 0.00	21.69 1.56 -0.18	21.54 1.48 0.00	24.00 1.46 0.00	31.40 1.52 0.00	37.39 1.88 0.00	39.95 2.40 0.00	37.13 2.49 0.00	32.07 2.38 0.00	31.04 2.46 0.00	29.41 2.60 0.00	28.65 2.70 -0.45	29.12 2.80 -0.36	29.63 2.80 -0.86	31.12 3.00 -0.05	36.03 3.04 0.00	46.62 3.37 0.00	54.47 3.23 0.00	59.02 3.50 0.00	58.92 3.33 0.00	50.41 2.76 0.00	41.36 2.34 0.00	34.16 2.02 0.00
ASTORIA_GT2_3 24096	29.69 1.94 0.00	23.02 1.71 0.00	21.69 1.56 -0.18	21.54 1.48 0.00	24.00 1.46 0.00	31.40 1.52 0.00	37.39 1.88 0.00	39.95 2.40 0.00	37.13 2.49 0.00	32.07 2.38 0.00	31.04 2.46 0.00	29.41 2.60 0.00	28.65 2.70 -0.45	29.12 2.80 -0.36	29.63 2.80 -0.86	31.12 3.00 -0.05	36.03 3.04 0.00	46.62 3.37 0.00	54.47 3.23 0.00	59.02 3.50 0.00	58.92 3.33 0.00	50.41 2.76 0.00	41.36 2.34 0.00	34.16 2.02 0.00
ASTORIA_GT2_4 24097	29.69 1.94 0.00	23.02 1.71 0.00	21.69 1.56 -0.18	21.54 1.48 0.00	24.00 1.46 0.00	31.40 1.52 0.00	37.39 1.88 0.00	39.95 2.40 0.00	37.13 2.49 0.00	32.07 2.38 0.00	31.04 2.46 0.00	29.41 2.60 0.00	28.65 2.70 -0.45	29.12 2.80 -0.36	29.63 2.80 -0.86	31.12 3.00 -0.05	36.03 3.04 0.00	46.62 3.37 0.00	54.47 3.23 0.00	59.02 3.50 0.00	58.92 3.33 0.00	50.41 2.76 0.00	41.36 2.34 0.00	34.16 2.02 0.00
ASTORIA_GT3_1 24098	29.69 1.94 0.00	23.02 1.71 0.00	21.69 1.56 -0.18	21.54 1.48 0.00	24.00 1.46 0.00	31.40 1.52 0.00	37.39 1.88 0.00	39.95 2.40 0.00	37.13 2.49 0.00	32.07 2.38 0.00	31.04 2.46 0.00	29.41 2.60 0.00	28.65 2.70 -0.45	29.12 2.80 -0.36	29.63 2.80 -0.86	31.12 3.00 -0.05	36.03 3.04 0.00	46.62 3.37 0.00	54.47 3.23 0.00	59.02 3.50 0.00	58.92 3.33 0.00	50.41 2.76 0.00	41.36 2.34 0.00	34.16 2.02 0.00
ASTORIA_GT3_2 24099	29.69 1.94 0.00	23.02 1.71 0.00	21.69 1.56 -0.18	21.54 1.48 0.00	24.00 1.46 0.00	31.40 1.52 0.00	37.39 1.88 0.00	39.95 2.40 0.00	37.13 2.49 0.00	32.07 2.38 0.00	31.04 2.46 0.00	29.41 2.60 0.00	28.65 2.70 -0.45	29.12 2.80 -0.36	29.63 2.80 -0.86	31.12 3.00 -0.05	36.03 3.04 0.00	46.62 3.37 0.00	54.47 3.23 0.00	59.02 3.50 0.00	58.92 3.33 0.00	50.41 2.76 0.00	41.36 2.34 0.00	34.16 2.02 0.00
ASTORIA_GT3_3 24100	29.69 1.94 0.00	23.02 1.71 0.00	21.69 1.56 -0.18	21.54 1.48 0.00	24.00 1.46 0.00	31.40 1.52 0.00	37.39 1.88 0.00	39.95 2.40 0.00	37.13 2.49 0.00	32.07 2.38 0.00	31.04 2.46 0.00	29.41 2.60 0.00	28.65 2.70 -0.45	29.12 2.80 -0.36	29.63 2.80 -0.86	31.12 3.00 -0.05	36.03 3.04 0.00	46.62 3.37 0.00	54.47 3.23 0.00	59.02 3.50 0.00	58.92 3.33 0.00	50.41 2.76 0.00	41.36 2.34 0.00	34.16 2.02 0.00
ASTORIA_GT3_4 24101	29.69 1.94 0.00	23.02 1.71 0.00	21.69 1.56 -0.18	21.54 1.48 0.00	24.00 1.46 0.00	31.40 1.52 0.00	37.39 1.88 0.00	39.95 2.40 0.00	37.13 2.49 0.00	32.07 2.38 0.00	31.04 2.46 0.00	29.41 2.60 0.00	28.65 2.70 -0.45	29.12 2.80 -0.36	29.63 2.80 -0.86	31.12 3.00 -0.05	36.03 3.04 0.00	46.62 3.37 0.00	54.47 3.23 0.00	59.02 3.50 0.00	58.92 3.33 0.00	50.41 2.76 0.00	41.36 2.34 0.00	34.16 2.02 0.00
ASTORIA_GT4_1 24102	29.69 1.94 0.00	23.02 1.71 0.00	21.69 1.56 -0.18	21.54 1.48 0.00	24.00 1.46 0.00	31.40 1.52 0.00	37.39 1.88 0.00	39.95 2.40 0.00	37.13 2.49 0.00	32.07 2.38 0.00	31.04 2.46 0.00	29.41 2.60 0.00	28.65 2.70 -0.45	29.12 2.80 -0.36	29.63 2.80 -0.86	31.12 3.00 -0.05	36.03 3.04 0.00	46.62 3.37 0.00	54.47 3.23 0.00	59.02 3.50 0.00	58.92 3.33 0.00	50.41 2.76 0.00	41.36 2.34 0.00	34.16 2.02 0.00
ASTORIA_GT4_2 24103	29.69 1.94 0.00	23.02 1.71 0.00	21.69 1.56 -0.18	21.54 1.48 0.00	24.00 1.46 0.00	31.40 1.52 0.00	37.39 1.88 0.00	39.95 2.40 0.00	37.13 2.49 0.00	32.07 2.38 0.00	31.04 2.46 0.00	29.41 2.60 0.00	28.65 2.70 -0.45	29.12 2.80 -0.36	29.63 2.80 -0.86	31.12 3.00 -0.05	36.03 3.04 0.00	46.62 3.37 0.00	54.47 3.23 0.00	59.02 3.50 0.00	58.92 3.33 0.00	50.41 2.76 0.00	41.36 2.34 0.00	34.16 2.02 0.00
ASTORIA_GT4_3 24104	29.69 1.94 0.00	23.02 1.71 0.00	21.69 1.56 -0.18	21.54 1.48 0.00	24.00 1.46 0.00	31.40 1.52 0.00	37.39 1.88 0.00	39.95 2.40 0.00	37.13 2.49 0.00	32.07 2.38 0.00	31.04 2.46 0.00	29.41 2.60 0.00	28.65 2.70 -0.45	29.12 2.80 -0.36	29.63 2.80 -0.86	31.12 3.00 -0.05	36.03 3.04 0.00	46.62 3.37 0.00	54.47 3.23 0.00	59.02 3.50 0.00	58.92 3.33 0.00	50.41 2.76 0.00	41.36 2.34 0.00	34.16 2.02 0.00



ASTORIA_GT4_4 24105	29.69 1.94 0.00	23.02 1.71 0.00	21.69 1.56 -0.18	21.54 1.48 0.00	24.00 1.46 0.00	31.40 1.52 0.00	37.39 1.88 0.00	39.95 2.40 0.00	37.13 2.49 0.00	32.07 2.38 0.00	31.04 2.46 0.00	29.41 2.60 0.00	28.65 2.70 -0.45	29.12 2.80 -0.36	29.63 2.80 -0.86	31.12 3.00 -0.05	36.03 3.04 0.00	46.62 3.37 0.00	54.47 3.23 0.00	59.02 3.50 0.00	58.92 3.33 0.00	50.41 2.76 0.00	41.36 2.34 0.00	34.16 2.02 0.00
ASTORIA_GT_1 23523	29.72 1.97 0.00	23.04 1.73 0.00	21.71 1.58 -0.18	21.56 1.50 0.00	24.04 1.51 0.00	31.43 1.55 0.00	37.43 1.92 0.00	39.99 2.44 0.00	37.20 2.56 0.00	32.13 2.44 0.00	31.10 2.52 0.00	29.46 2.65 0.00	28.70 2.75 -0.45	29.17 2.86 -0.36	29.68 2.86 -0.86	31.17 3.06 -0.05	36.10 3.10 0.00	46.71 3.46 0.00	54.57 3.33 0.00	59.13 3.61 0.00	59.03 3.45 0.00	50.50 2.86 0.00	41.40 2.38 0.00	34.22 2.09 0.00
ASTORIA_GT_10 24110	29.63 1.89 0.00	22.94 1.62 0.00	21.61 1.48 -0.18	21.48 1.42 0.00	23.95 1.42 0.00	31.52 1.64 0.00	37.53 2.02 0.00	40.07 2.52 0.00	37.20 2.56 0.00	32.16 2.46 0.00	31.07 2.49 0.00	29.41 2.60 0.00	28.62 2.68 -0.45	29.10 2.78 -0.36	29.65 2.83 -0.86	31.12 3.00 -0.05	36.06 3.07 0.00	46.71 3.46 0.00	54.57 3.33 0.00	59.19 3.66 0.00	59.08 3.50 0.00	50.55 2.91 0.00	41.48 2.46 0.00	34.26 2.12 0.00
ASTORIA_GT_11 24225	29.63 1.89 0.00	22.94 1.62 0.00	21.61 1.48 -0.18	21.48 1.42 0.00	23.95 1.42 0.00	31.52 1.64 0.00	37.53 2.02 0.00	40.07 2.52 0.00	37.20 2.56 0.00	32.16 2.46 0.00	31.07 2.49 0.00	29.41 2.60 0.00	28.62 2.68 -0.45	29.10 2.78 -0.36	29.65 2.83 -0.86	31.12 3.00 -0.05	36.06 3.07 0.00	46.71 3.46 0.00	54.57 3.33 0.00	59.19 3.66 0.00	59.08 3.50 0.00	50.55 2.91 0.00	41.48 2.46 0.00	34.26 2.12 0.00
ASTORIA_GT_12 24226	29.63 1.89 0.00	22.94 1.62 0.00	21.61 1.48 -0.18	21.48 1.42 0.00	23.95 1.42 0.00	31.52 1.64 0.00	37.53 2.02 0.00	40.07 2.52 0.00	37.20 2.56 0.00	32.16 2.46 0.00	31.07 2.49 0.00	29.41 2.60 0.00	28.62 2.68 -0.45	29.10 2.78 -0.36	29.65 2.83 -0.86	31.12 3.00 -0.05	36.06 3.07 0.00	46.71 3.46 0.00	54.57 3.33 0.00	59.19 3.66 0.00	59.08 3.50 0.00	50.55 2.91 0.00	41.48 2.46 0.00	34.26 2.12 0.00
ASTORIA_GT_13 24227	29.63 1.89 0.00	22.94 1.62 0.00	21.61 1.48 -0.18	21.48 1.42 0.00	23.95 1.42 0.00	31.52 1.64 0.00	37.53 2.02 0.00	40.07 2.52 0.00	37.20 2.56 0.00	32.16 2.46 0.00	31.07 2.49 0.00	29.41 2.60 0.00	28.62 2.68 -0.45	29.10 2.78 -0.36	29.65 2.83 -0.86	31.12 3.00 -0.05	36.06 3.07 0.00	46.71 3.46 0.00	54.57 3.33 0.00	59.19 3.66 0.00	59.08 3.50 0.00	50.55 2.91 0.00	41.48 2.46 0.00	34.26 2.12 0.00
ASTORIA_GT_5 24106	29.72 1.97 0.00	23.04 1.73 0.00	21.71 1.58 -0.18	21.56 1.50 0.00	24.04 1.51 0.00	31.43 1.55 0.00	37.43 1.92 0.00	39.99 2.44 0.00	37.20 2.56 0.00	32.13 2.44 0.00	31.10 2.52 0.00	29.46 2.65 0.00	28.70 2.75 -0.45	29.17 2.86 -0.36	29.68 2.86 -0.86	31.17 3.06 -0.05	36.10 3.10 0.00	46.71 3.46 0.00	54.57 3.33 0.00	59.13 3.61 0.00	59.03 3.45 0.00	50.50 2.86 0.00	41.40 2.38 0.00	34.22 2.09 0.00
ASTORIA_GT_7 24107	29.72 1.97 0.00	23.04 1.73 0.00	21.71 1.58 -0.18	21.56 1.50 0.00	24.04 1.51 0.00	31.43 1.55 0.00	37.43 1.92 0.00	39.99 2.44 0.00	37.20 2.56 0.00	32.13 2.44 0.00	31.10 2.52 0.00	29.46 2.65 0.00	28.70 2.75 -0.45	29.17 2.86 -0.36	29.68 2.86 -0.86	31.17 3.06 -0.05	36.10 3.10 0.00	46.71 3.46 0.00	54.57 3.33 0.00	59.13 3.61 0.00	59.03 3.45 0.00	50.50 2.86 0.00	41.40 2.38 0.00	34.22 2.09 0.00
ASTORIA_GT_8 24108	29.72 1.97 0.00	23.04 1.73 0.00	21.71 1.58 -0.18	21.56 1.50 0.00	24.04 1.51 0.00	31.43 1.55 0.00	37.43 1.92 0.00	39.99 2.44 0.00	37.20 2.56 0.00	32.13 2.44 0.00	31.10 2.52 0.00	29.46 2.65 0.00	28.70 2.75 -0.45	29.17 2.86 -0.36	29.68 2.86 -0.86	31.17 3.06 -0.05	36.10 3.10 0.00	46.71 3.46 0.00	54.57 3.33 0.00	59.13 3.61 0.00	59.03 3.45 0.00	50.50 2.86 0.00	41.40 2.38 0.00	34.22 2.09 0.00
ASTORIA___2 24149	29.69 1.94 0.00	23.02 1.71 0.00	21.69 1.56 -0.18	21.54 1.48 0.00	24.00 1.46 0.00	31.40 1.52 0.01	37.38 1.88 0.01	39.95 2.41 0.01	37.12 2.50 0.01	32.07 2.38 0.01	31.04 2.46 0.01	29.40 2.60 0.01	28.64 2.70 -0.44	29.12 2.80 -0.35	29.62 2.80 -0.86	31.11 3.00 -0.04	36.06 3.07 0.01	46.57 3.33 0.01	54.47 3.23 0.01	59.02 3.50 0.01	58.96 3.39 0.01	50.35 2.71 0.01	41.35 2.34 0.01	34.16 2.03 0.00
ASTORIA___3 23516	29.64 1.89 0.00	22.93 1.62 0.00	21.61 1.48 -0.18	21.48 1.42 0.00	23.95 1.42 0.00	31.52 1.64 0.00	37.53 2.02 0.00	40.07 2.52 0.00	37.20 2.56 0.00	32.16 2.46 0.00	31.07 2.49 0.00	29.41 2.60 0.00	28.62 2.68 -0.45	29.10 2.78 -0.36	29.65 2.83 -0.86	31.12 3.00 -0.05	36.13 3.14 0.00	46.67 3.42 0.00	54.57 3.33 0.00	59.19 3.66 0.00	59.14 3.56 0.00	50.50 2.86 0.00	41.48 2.46 0.00	34.26 2.12 0.00
ASTORIA___4 23517	29.63 1.89 0.00	22.94 1.62 0.00	21.61 1.48 -0.18	21.48 1.42 0.00	23.95 1.42 0.00	31.52 1.64 0.00	37.53 2.02 0.00	40.07 2.52 0.00	37.20 2.56 0.00	32.16 2.46 0.00	31.07 2.49 0.00	29.41 2.60 0.00	28.62 2.68 -0.45	29.10 2.78 -0.36	29.65 2.83 -0.86	31.12 3.00 -0.05	36.06 3.07 0.00	46.71 3.46 0.00	54.57 3.33 0.00	59.19 3.66 0.00	59.08 3.50 0.00	50.55 2.91 0.00	41.48 2.46 0.00	34.26 2.12 0.00
ASTORIA___5 23518	29.64 1.89 0.00	22.93 1.62 0.00	21.61 1.48 -0.18	21.48 1.42 0.00	23.95 1.42 0.00	31.52 1.64 0.00	37.53 2.02 0.00	40.07 2.52 0.00	37.20 2.56 0.00	32.16 2.46 0.00	31.07 2.49 0.00	29.41 2.60 0.00	28.62 2.68 -0.45	29.10 2.78 -0.36	29.65 2.83 -0.86	31.12 3.00 -0.05	36.13 3.14 0.00	46.67 3.42 0.00	54.57 3.33 0.00	59.19 3.66 0.00	59.14 3.56 0.00	50.50 2.86 0.00	41.48 2.46 0.00	34.26 2.12 0.00
AST_ENERGY_2_CC3 323677	29.55 1.80 0.00	22.85 1.54 0.00	21.55 1.42 -0.18	21.42 1.36 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.24 2.02 0.29	37.24 2.52 2.83	37.16 2.53 0.00	32.07 2.38 0.00	30.96 2.37 0.00	29.30 2.49 0.00	28.52 2.57 -0.45	28.99 2.67 -0.36	29.52 2.70 -0.86	31.00 2.89 -0.05	36.00 3.00 0.00	41.30 3.29 5.24	37.63 3.33 16.94	41.62 3.66 17.57	41.57 3.61 17.62	41.63 2.91 8.92	37.63 2.50 3.89	34.32 2.19 0.00
AST_ENERGY_2_CC4 323678	29.55 1.80 0.00	22.85 1.54 0.00	21.55 1.42 -0.18	21.42 1.36 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.24 2.02 0.29	37.24 2.52 2.83	37.16 2.53 0.00	32.07 2.38 0.00	30.96 2.37 0.00	29.30 2.49 0.00	28.52 2.57 -0.45	28.99 2.67 -0.36	29.52 2.70 -0.86	31.00 2.89 -0.05	36.00 3.00 0.00	41.30 3.29 5.24	37.63 3.33 16.94	41.62 3.66 17.57	41.57 3.61 17.62	41.63 2.91 8.92	37.63 2.50 3.89	34.32 2.19 0.00



ATHENS_STG_1 23668	28.75 1.00 0.00	22.21 0.90 0.00	20.97 0.82 -0.19	20.84 0.78 0.00	23.30 0.77 0.00	30.81 0.93 0.00	36.57 1.06 0.00	38.67 1.13 0.00	35.71 1.07 0.00	30.68 0.98 0.00	29.59 1.00 0.00	27.85 1.04 0.00	26.39 1.12 0.22	26.98 1.19 0.18	26.75 1.22 0.43	29.35 1.32 0.03	34.32 1.32 0.00	44.50 1.26 0.00	52.57 1.33 0.00	57.03 1.50 0.00	57.08 1.50 0.00	48.84 1.19 0.00	40.07 1.05 0.00	33.13 1.00 0.00
ATHENS_STG_2 23670	28.75 1.00 0.00	22.21 0.90 0.00	20.97 0.82 -0.19	20.84 0.78 0.00	23.30 0.77 0.00	30.81 0.93 0.00	36.57 1.06 0.00	38.67 1.13 0.00	35.71 1.07 0.00	30.68 0.98 0.00	29.59 1.00 0.00	27.85 1.04 0.00	26.39 1.12 0.22	26.98 1.19 0.18	26.75 1.22 0.43	29.35 1.32 0.03	34.32 1.32 0.00	44.50 1.26 0.00	52.57 1.33 0.00	57.03 1.50 0.00	57.08 1.50 0.00	48.84 1.19 0.00	40.07 1.05 0.00	33.13 1.00 0.00
ATHENS_STG_3 23677	28.75 1.00 0.00	22.21 0.90 0.00	20.97 0.82 -0.19	20.84 0.78 0.00	23.30 0.77 0.00	30.81 0.93 0.00	36.57 1.06 0.00	38.67 1.13 0.00	35.71 1.07 0.00	30.68 0.98 0.00	29.59 1.00 0.00	27.85 1.04 0.00	26.39 1.12 0.22	26.98 1.19 0.18	26.75 1.22 0.43	29.35 1.32 0.03	34.32 1.32 0.00	44.50 1.26 0.00	52.57 1.33 0.00	57.03 1.50 0.00	57.08 1.50 0.00	48.84 1.19 0.00	40.07 1.05 0.00	33.13 1.00 0.00
AUBURN____LFGE 323710	27.55 -0.19 0.00	21.14 -0.17 0.00	19.78 -0.20 -0.02	19.84 -0.22 0.00	22.24 -0.29 0.00	29.55 -0.33 0.00	35.26 -0.25 0.00	37.14 -0.41 0.00	34.12 -0.52 0.00	29.19 -0.50 0.00	28.10 -0.49 0.00	26.51 -0.29 0.00	25.22 -0.28 0.00	25.78 -0.18 0.00	25.83 -0.13 0.00	27.92 -0.14 0.00	32.70 -0.30 0.00	42.90 -0.35 0.00	50.89 -0.36 0.00	55.19 -0.33 0.00	55.30 -0.28 0.00	47.26 -0.38 0.00	38.67 -0.35 0.00	31.94 -0.19 0.00
BABYLON_RES_REC 323704	33.66 2.47 -3.45	23.37 2.05 -0.01	22.04 1.90 -0.19	21.93 1.87 -0.01	34.25 1.96 -9.75	46.15 2.48 -13.79	48.73 2.91 -10.31	49.88 3.31 -9.03	48.35 3.29 -10.42	45.95 2.91 -13.34	49.42 2.74 -18.09	49.44 2.84 -19.79	49.50 2.85 -21.15	49.53 2.96 -20.61	50.03 2.96 -21.11	50.92 2.86 -20.00	52.87 2.97 -16.91	64.69 3.25 -18.19	64.74 3.33 -10.17	67.32 3.66 -8.13	66.54 3.61 -7.34	62.36 3.05 -11.67	52.20 2.85 -10.34	50.78 2.89 -15.75
BALL_HILL_WT_PWR 323825	26.53 -1.22 0.00	20.36 -0.96 0.00	18.81 -1.18 -0.03	18.90 -1.16 0.00	21.11 -1.42 0.00	27.94 -1.94 0.00	33.38 -2.13 0.00	35.07 -2.48 0.00	32.70 -1.94 0.00	27.80 -1.90 0.00	26.90 -1.69 0.00	25.76 -1.05 0.00	24.55 -0.94 0.00	25.26 -0.70 0.00	25.46 -0.49 0.00	27.19 -0.87 0.00	31.38 -1.62 0.00	40.96 -2.29 0.00	48.07 -3.18 0.00	52.58 -2.94 0.00	52.69 -2.89 0.00	45.02 -2.62 0.00	36.91 -2.11 0.00	30.82 -1.32 0.00
BARON_WINDS____WT_PWR 323822	27.03 -0.72 0.00	20.70 -0.62 0.00	19.18 -0.82 -0.04	19.22 -0.84 0.00	21.52 -1.01 0.00	28.60 -1.28 0.00	34.27 -1.24 0.00	35.90 -1.65 0.00	33.15 -1.49 0.00	28.27 -1.42 0.00	27.27 -1.31 0.00	25.98 -0.83 0.00	24.76 -0.74 0.00	25.39 -0.57 0.00	25.52 -0.44 0.00	27.42 -0.64 0.00	31.87 -1.12 0.00	41.78 -1.47 0.00	49.35 -1.89 0.00	53.91 -1.61 0.00	54.08 -1.50 0.00	46.12 -1.53 0.00	37.69 -1.33 0.00	31.30 -0.84 0.00
BARRETT_IC_1 23704	33.05 2.08 -3.21	23.09 1.77 -0.01	21.76 1.62 -0.18	21.67 1.61 -0.01	33.22 1.60 -9.08	45.10 1.97 -13.25	47.76 2.34 -9.91	48.71 2.78 -8.38	47.42 2.77 -10.01	46.08 2.73 -13.66	48.37 2.40 -17.38	48.34 2.52 -19.01	48.38 2.55 -20.34	48.45 2.67 -19.82	48.95 2.67 -20.32	50.11 2.83 -19.21	52.14 2.90 -16.24	63.09 3.12 -16.72	59.42 3.28 -4.90	62.65 3.61 -3.51	61.70 3.56 -2.56	60.76 2.86 -10.26	51.54 2.65 -9.86	49.68 2.41 -15.14
BARRETT_IC_10 23701	33.05 2.08 -3.21	23.09 1.77 -0.01	21.76 1.62 -0.18	21.67 1.61 -0.01	33.22 1.60 -9.08	45.10 1.97 -13.25	47.76 2.34 -9.91	48.71 2.78 -8.38	47.42 2.77 -10.01	46.08 2.73 -13.66	48.37 2.40 -17.38	48.34 2.52 -19.01	48.38 2.55 -20.34	48.45 2.67 -19.82	48.95 2.67 -20.32	50.11 2.83 -19.21	52.14 2.90 -16.24	63.09 3.12 -16.72	59.42 3.28 -4.90	62.65 3.61 -3.51	61.70 3.56 -2.56	60.76 2.86 -10.26	51.54 2.65 -9.86	49.68 2.41 -15.14
BARRETT_IC_11 23702	33.05 2.08 -3.21	23.09 1.77 -0.01	21.76 1.62 -0.18	21.67 1.61 -0.01	33.22 1.60 -9.08	45.10 1.97 -13.25	47.76 2.34 -9.91	48.71 2.78 -8.38	47.42 2.77 -10.01	46.08 2.73 -13.66	48.37 2.40 -17.38	48.34 2.52 -19.01	48.38 2.55 -20.34	48.45 2.67 -19.82	48.95 2.67 -20.32	50.11 2.83 -19.21	52.14 2.90 -16.24	63.09 3.12 -16.72	59.42 3.28 -4.90	62.65 3.61 -3.51	61.70 3.56 -2.56	60.76 2.86 -10.26	51.54 2.65 -9.86	49.68 2.41 -15.14
BARRETT_IC_12 23703	33.05 2.08 -3.21	23.09 1.77 -0.01	21.76 1.62 -0.18	21.67 1.61 -0.01	33.22 1.60 -9.08	45.10 1.97 -13.25	47.76 2.34 -9.91	48.71 2.78 -8.38	47.42 2.77 -10.01	46.08 2.73 -13.66	48.37 2.40 -17.38	48.34 2.52 -19.01	48.38 2.55 -20.34	48.45 2.67 -19.82	48.95 2.67 -20.32	50.11 2.83 -19.21	52.14 2.90 -16.24	63.09 3.12 -16.72	59.42 3.28 -4.90	62.65 3.61 -3.51	61.70 3.56 -2.56	60.76 2.86 -10.26	51.54 2.65 -9.86	49.68 2.41 -15.14
BARRETT_IC_2 23705	33.05 2.08 -3.21	23.09 1.77 -0.01	21.76 1.62 -0.18	21.67 1.61 -0.01	33.22 1.60 -9.08	45.10 1.97 -13.25	47.76 2.34 -9.91	48.71 2.78 -8.38	47.42 2.77 -10.01	46.08 2.73 -13.66	48.37 2.40 -17.38	48.34 2.52 -19.01	48.38 2.55 -20.34	48.45 2.67 -19.82	48.95 2.67 -20.32	50.11 2.83 -19.21	52.14 2.90 -16.24	63.09 3.12 -16.72	59.42 3.28 -4.90	62.65 3.61 -3.51	61.70 3.56 -2.56	60.76 2.86 -10.26	51.54 2.65 -9.86	49.68 2.41 -15.14
BARRETT_IC_3 23706	33.05 2.08 -3.21	23.09 1.77 -0.01	21.76 1.62 -0.18	21.67 1.61 -0.01	33.22 1.60 -9.08	45.10 1.97 -13.25	47.76 2.34 -9.91	48.71 2.78 -8.38	47.42 2.77 -10.01	46.08 2.73 -13.66	48.37 2.40 -17.38	48.34 2.52 -19.01	48.38 2.55 -20.34	48.45 2.67 -19.82	48.95 2.67 -20.32	50.11 2.83 -19.21	52.14 2.90 -16.24	63.09 3.12 -16.72	59.42 3.28 -4.90	62.65 3.61 -3.51	61.70 3.56 -2.56	60.76 2.86 -10.26	51.54 2.65 -9.86	49.68 2.41 -15.14
BARRETT_IC_4 23707	33.05 2.08 -3.21	23.09 1.77 -0.01	21.76 1.62 -0.18	21.67 1.61 -0.01	33.22 1.60 -9.08	45.10 1.97 -13.25	47.76 2.34 -9.91	48.71 2.78 -8.38	47.42 2.77 -10.01	46.08 2.73 -13.66	48.37 2.40 -17.38	48.34 2.52 -19.01	48.38 2.55 -20.34	48.45 2.67 -19.82	48.95 2.67 -20.32	50.11 2.83 -19.21	52.14 2.90 -16.24	63.09 3.12 -16.72	59.42 3.28 -4.90	62.65 3.61 -3.51	61.70 3.56 -2.56	60.76 2.86 -10.26	51.54 2.65 -9.86	49.68 2.41 -15.14
BARRETT_IC_5 23708	33.05 2.08 -3.21	23.09 1.77 -0.01	21.76 1.62 -0.18	21.67 1.61 -0.01	33.22 1.60 -9.08	45.10 1.97 -13.25	47.76 2.34 -9.91	48.71 2.78 -8.38	47.42 2.77 -10.01	46.08 2.73 -13.66	48.37 2.40 -17.38	48.34 2.52 -19.01	48.38 2.55 -20.34	48.45 2.67 -19.82	48.95 2.67 -20.32	50.11 2.83 -19.21	52.14 2.90 -16.24	63.09 3.12 -16.72	59.42 3.28 -4.90	62.65 3.61 -3.51	61.70 3.56 -2.56	60.76 2.86 -10.26	51.54 2.65 -9.86	49.68 2.41 -15.14



BARRETT_IC_6 23709	33.05 2.08 -3.21	23.09 1.77 -0.01	21.76 1.62 -0.18	21.67 1.61 -0.01	33.22 1.60 -9.08	45.10 1.97 -13.25	47.76 2.34 -9.91	48.71 2.78 -8.38	47.42 2.77 -10.01	46.08 2.73 -13.66	48.37 2.40 -17.38	48.34 2.52 -19.01	48.38 2.55 -20.34	48.45 2.67 -19.82	48.95 2.67 -20.32	50.11 2.83 -19.21	52.14 2.90 -16.24	63.09 3.12 -16.72	59.42 3.28 -4.90	62.65 3.61 -3.51	61.70 3.56 -2.56	60.76 2.86 -10.26	51.54 2.65 -9.86	49.68 2.41 -15.14
BARRETT_IC_7 23710	33.04 2.08 -3.21	23.09 1.77 -0.01	21.76 1.62 -0.18	21.67 1.60 -0.01	33.22 1.60 -9.08	45.10 1.97 -13.25	47.76 2.34 -9.91	48.71 2.78 -8.38	47.45 2.81 -10.01	46.09 2.73 -13.66	48.37 2.40 -17.38	48.34 2.52 -19.01	48.38 2.55 -20.34	48.45 2.67 -19.82	48.95 2.67 -20.32	50.11 2.83 -19.21	52.11 2.87 -16.24	63.08 3.11 -16.72	59.37 3.23 -4.90	62.59 3.55 -3.51	61.65 3.50 -2.56	60.81 2.91 -10.26	51.53 2.65 -9.86	49.68 2.41 -15.14
BARRETT_IC_8 23711	33.05 2.08 -3.21	23.09 1.77 -0.01	21.76 1.62 -0.18	21.67 1.61 -0.01	33.22 1.60 -9.08	45.10 1.97 -13.25	47.76 2.34 -9.91	48.71 2.78 -8.38	47.42 2.77 -10.01	46.08 2.73 -13.66	48.37 2.40 -17.38	48.34 2.52 -19.01	48.38 2.55 -20.34	48.45 2.67 -19.82	48.95 2.67 -20.32	50.11 2.83 -19.21	52.14 2.90 -16.24	63.09 3.12 -16.72	59.42 3.28 -4.90	62.65 3.61 -3.51	61.70 3.56 -2.56	60.76 2.86 -10.26	51.54 2.65 -9.86	49.68 2.41 -15.14
BARRETT_IC_9 23700	33.05 2.08 -3.21	23.09 1.77 -0.01	21.76 1.62 -0.18	21.67 1.61 -0.01	33.22 1.60 -9.08	45.10 1.97 -13.25	47.76 2.34 -9.91	48.71 2.78 -8.38	47.42 2.77 -10.01	46.08 2.73 -13.66	48.37 2.40 -17.38	48.34 2.52 -19.01	48.38 2.55 -20.34	48.45 2.67 -19.82	48.95 2.67 -20.32	50.11 2.83 -19.21	52.14 2.90 -16.24	63.09 3.12 -16.72	59.42 3.28 -4.90	62.65 3.61 -3.51	61.70 3.56 -2.56	60.76 2.86 -10.26	51.54 2.65 -9.86	49.68 2.41 -15.14
BARRETT___1 23545	33.05 2.08 -3.21	23.09 1.77 -0.01	21.76 1.62 -0.18	21.67 1.61 -0.01	33.22 1.60 -9.08	45.10 1.97 -13.25	47.76 2.34 -9.91	48.71 2.78 -8.38	47.42 2.77 -10.01	46.08 2.73 -13.66	48.37 2.40 -17.38	48.34 2.52 -19.01	48.38 2.55 -20.34	48.45 2.67 -19.82	48.95 2.67 -20.32	50.11 2.83 -19.21	52.14 2.90 -16.24	63.09 3.12 -16.72	59.42 3.28 -4.90	62.65 3.61 -3.51	61.70 3.56 -2.56	60.76 2.86 -10.26	51.54 2.65 -9.86	49.68 2.41 -15.14
BARRETT___2 23546	33.05 2.08 -3.21	23.09 1.77 -0.01	21.76 1.62 -0.18	21.67 1.61 -0.01	33.22 1.60 -9.08	45.10 1.97 -13.25	47.76 2.34 -9.91	48.71 2.78 -8.38	47.42 2.77 -10.01	46.08 2.73 -13.66	48.37 2.40 -17.38	48.34 2.52 -19.01	48.38 2.55 -20.34	48.45 2.67 -19.82	48.95 2.67 -20.32	50.11 2.83 -19.21	52.14 2.90 -16.24	63.09 3.12 -16.72	59.42 3.28 -4.90	62.65 3.61 -3.51	61.70 3.56 -2.56	60.76 2.86 -10.26	51.54 2.65 -9.86	49.68 2.41 -15.14
BATAVIA___115KV_TB1 55881	26.67 -1.08 0.00	20.48 -0.83 0.00	19.04 -0.94 -0.02	19.12 -0.94 0.00	21.43 -1.10 0.00	28.48 -1.40 0.00	33.91 -1.60 0.00	35.86 -1.69 0.00	33.18 -1.45 0.00	28.03 -1.66 0.00	27.07 -1.52 0.00	25.82 -0.99 0.00	24.55 -0.94 0.00	25.29 -0.68 0.00	25.44 -0.52 0.00	27.16 -0.90 0.00	31.48 -1.52 0.00	41.13 -2.12 0.00	48.63 -2.61 0.00	53.19 -2.33 0.00	53.47 -2.11 0.00	45.64 -2.00 0.00	37.50 -1.52 0.00	31.17 -0.96 0.00
BAYONEEC___CTG1 323682	29.55 1.80 0.00	22.83 1.51 0.00	21.53 1.40 -0.18	21.40 1.34 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.60 2.09 0.00	40.14 2.59 -0.01	37.24 2.60 -0.01	32.14 2.44 -0.01	31.02 2.43 -0.01	30.53 2.52 -1.20	30.37 2.60 -2.28	31.08 2.70 -2.42	32.14 2.72 -3.46	33.50 2.95 -2.49	37.83 3.07 -1.77	47.23 3.38 -0.60	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.65 3.00 -0.01	42.34 2.53 -0.79	34.32 2.19 0.00
BAYONEEC___CTG10 323750	29.55 1.80 0.00	22.83 1.51 0.00	21.53 1.40 -0.18	21.40 1.34 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.60 2.09 0.00	40.14 2.59 -0.01	37.24 2.60 -0.01	32.14 2.44 -0.01	31.02 2.43 -0.01	30.53 2.52 -1.20	30.37 2.60 -2.28	31.08 2.70 -2.42	32.14 2.72 -3.46	33.50 2.95 -2.49	37.83 3.07 -1.77	47.23 3.38 -0.60	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.65 3.00 -0.01	42.34 2.53 -0.79	34.32 2.19 0.00
BAYONEEC___CTG2 323683	29.55 1.80 0.00	22.83 1.51 0.00	21.53 1.40 -0.18	21.40 1.34 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.60 2.09 0.00	40.14 2.59 -0.01	37.24 2.60 -0.01	32.14 2.44 -0.01	31.02 2.43 -0.01	30.53 2.52 -1.20	30.37 2.60 -2.28	31.08 2.70 -2.42	32.14 2.72 -3.46	33.50 2.95 -2.49	37.83 3.07 -1.77	47.23 3.38 -0.60	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.65 3.00 -0.01	42.34 2.53 -0.79	34.32 2.19 0.00
BAYONEEC___CTG3 323684	29.55 1.80 0.00	22.83 1.51 0.00	21.53 1.40 -0.18	21.40 1.34 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.60 2.09 0.00	40.14 2.59 -0.01	37.24 2.60 -0.01	32.14 2.44 -0.01	31.02 2.43 -0.01	30.53 2.52 -1.20	30.37 2.60 -2.28	31.08 2.70 -2.42	32.14 2.72 -3.46	33.50 2.95 -2.49	37.83 3.07 -1.77	47.23 3.38 -0.60	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.65 3.00 -0.01	42.34 2.53 -0.79	34.32 2.19 0.00
BAYONEEC___CTG4 323685	29.55 1.80 0.00	22.83 1.51 0.00	21.53 1.40 -0.18	21.40 1.34 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.60 2.09 0.00	40.14 2.59 -0.01	37.24 2.60 -0.01	32.14 2.44 -0.01	31.02 2.43 -0.01	30.53 2.52 -1.20	30.37 2.60 -2.28	31.08 2.70 -2.42	32.14 2.72 -3.46	33.50 2.95 -2.49	37.83 3.07 -1.77	47.23 3.38 -0.60	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.65 3.00 -0.01	42.34 2.53 -0.79	34.32 2.19 0.00
BAYONEEC___CTG5 323686	29.55 1.80 0.00	22.83 1.51 0.00	21.53 1.40 -0.18	21.40 1.34 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.60 2.09 0.00	40.14 2.59 -0.01	37.24 2.60 -0.01	32.14 2.44 -0.01	31.02 2.43 -0.01	30.53 2.52 -1.20	30.37 2.60 -2.28	31.08 2.70 -2.42	32.14 2.72 -3.46	33.50 2.95 -2.49	37.83 3.07 -1.77	47.23 3.38 -0.60	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.65 3.00 -0.01	42.34 2.53 -0.79	34.32 2.19 0.00
BAYONEEC___CTG6 323687	29.55 1.80 0.00	22.83 1.51 0.00	21.53 1.40 -0.18	21.40 1.34 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.60 2.09 0.00	40.14 2.59 -0.01	37.24 2.60 -0.01	32.14 2.44 -0.01	31.02 2.43 -0.01	30.53 2.52 -1.20	30.37 2.60 -2.28	31.08 2.70 -2.42	32.14 2.72 -3.46	33.50 2.95 -2.49	37.83 3.07 -1.77	47.23 3.38 -0.60	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.65 3.00 -0.01	42.34 2.53 -0.79	34.32 2.19 0.00
BAYONEEC___CTG7 323688	29.55 1.80 0.00	22.83 1.51 0.00	21.53 1.40 -0.18	21.40 1.34 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.60 2.09 0.00	40.14 2.59 -0.01	37.24 2.60 -0.01	32.14 2.44 -0.01	31.02 2.43 -0.01	30.53 2.52 -1.20	30.37 2.60 -2.28	31.08 2.70 -2.42	32.14 2.72 -3.46	33.50 2.95 -2.49	37.83 3.07 -1.77	47.23 3.38 -0.60	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.65 3.00 -0.01	42.34 2.53 -0.79	34.32 2.19 0.00



BAYONEEC___CTG8 323689	29.55 1.80 0.00	22.83 1.51 0.00	21.53 1.40 -0.18	21.40 1.34 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.60 2.09 0.00	40.14 2.59 -0.01	37.24 2.60 -0.01	32.14 2.44 -0.01	31.02 2.43 -0.01	30.53 2.52 -1.20	30.37 2.60 -2.28	31.08 2.70 -2.42	32.14 2.72 -3.46	33.50 2.95 -2.49	37.83 3.07 -1.77	47.23 3.38 -0.60	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.65 3.00 -0.01	42.34 2.53 -0.79	34.32 2.19 0.00
BAYONEEC___CTG9 323749	29.55 1.80 0.00	22.83 1.51 0.00	21.53 1.40 -0.18	21.40 1.34 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.60 2.09 0.00	40.14 2.59 -0.01	37.24 2.60 -0.01	32.14 2.44 -0.01	31.02 2.43 -0.01	30.53 2.52 -1.20	30.37 2.60 -2.28	31.08 2.70 -2.42	32.14 2.72 -3.46	33.50 2.95 -2.49	37.83 3.07 -1.77	47.23 3.38 -0.60	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.65 3.00 -0.01	42.34 2.53 -0.79	34.32 2.19 0.00
BEACON___LESR 323632	28.58 0.83 0.00	22.13 0.81 0.00	20.93 0.76 -0.22	20.78 0.72 0.00	23.21 0.68 0.00	30.69 0.81 0.00	36.01 0.85 0.35	37.93 0.97 0.59	35.43 0.80 0.00	30.32 0.62 0.00	29.24 0.66 0.00	27.42 0.62 0.00	26.18 0.71 0.02	26.75 0.81 0.02	26.72 0.81 0.05	29.01 0.95 0.00	33.99 0.99 0.00	43.98 0.73 0.00	48.86 0.97 3.35	47.38 1.22 9.36	44.04 1.33 12.87	41.71 0.90 6.84	34.81 0.98 5.19	33.07 0.93 0.00
BEAVER RIVER___HYD 24048	27.19 -0.55 0.00	20.89 -0.43 0.00	19.43 -0.54 -0.01	19.44 -0.62 0.00	21.81 -0.72 0.00	29.22 -0.66 0.00	34.87 -0.64 0.00	36.76 -0.79 0.00	33.60 -1.04 0.00	28.51 -1.19 0.00	27.27 -1.31 0.00	25.60 -1.21 0.00	24.30 -1.20 0.00	24.77 -1.19 0.00	24.82 -1.14 0.00	26.80 -1.26 0.00	31.81 -1.19 0.00	42.34 -0.91 0.00	50.78 -0.46 0.00	55.58 0.06 0.00	55.53 -0.06 0.00	47.55 -0.10 0.00	38.55 -0.47 0.00	31.59 -0.55 0.00
BEEBEE_GT_13 23619	26.75 -1.00 0.00	20.53 -0.79 0.00	19.18 -0.80 -0.02	19.22 -0.84 0.00	21.56 -0.97 0.00	28.57 -1.31 0.00	33.98 -1.53 0.00	35.90 -1.65 0.00	33.18 -1.45 0.00	28.21 -1.48 0.00	27.24 -1.34 0.00	25.90 -0.91 0.00	24.63 -0.87 0.00	25.29 -0.68 0.00	25.39 -0.57 0.00	27.19 -0.87 0.00	31.64 -1.35 0.00	41.22 -2.03 0.00	48.89 -2.36 0.00	53.25 -2.28 0.00	53.47 -2.11 0.00	45.69 -1.95 0.00	37.50 -1.52 0.00	31.14 -1.00 0.00
BENSHRST_27_KV_BENSHRST_1 355998	29.89 2.14 -0.01	23.14 1.81 -0.01	21.80 1.66 -0.18	21.67 1.60 -0.01	24.14 1.60 -0.01	31.76 1.88 0.00	37.78 2.27 0.00	40.36 2.78 -0.03	37.44 2.77 -0.03	32.37 2.61 -0.06	31.27 2.63 -0.06	41.59 2.73 -12.05	47.15 2.83 -18.82	49.97 2.93 -21.07	55.87 2.99 -26.92	55.86 3.20 -24.60	54.08 3.33 -17.75	53.10 3.81 -6.04	54.93 3.69 0.00	59.58 4.05 0.00	59.42 3.84 0.00	50.96 3.29 -0.03	49.61 2.69 -7.90	34.50 2.35 -0.02
BETHLEHEM___GRP 23843	28.22 0.47 0.00	21.87 0.55 0.00	20.70 0.52 -0.22	20.56 0.50 0.00	22.96 0.43 0.00	30.30 0.42 0.00	35.59 0.39 0.31	37.47 0.45 0.53	35.02 0.38 0.00	30.02 0.33 0.00	28.96 0.37 0.00	27.16 0.35 0.00	25.93 0.46 0.03	26.46 0.52 0.02	26.42 0.52 0.05	28.68 0.62 0.00	33.56 0.56 0.00	43.38 0.13 0.00	48.40 0.15 3.00	47.42 0.28 8.38	44.33 0.28 11.53	41.66 0.14 6.12	34.76 0.39 4.64	32.62 0.48 0.00
BETHLEHEM___GS1 323560	28.22 0.47 0.00	21.87 0.55 0.00	20.69 0.52 -0.22	20.56 0.50 0.00	22.96 0.43 0.00	30.30 0.42 0.00	35.59 0.39 0.31	37.47 0.45 0.53	35.02 0.38 0.00	30.03 0.33 0.00	28.96 0.37 0.00	27.16 0.35 0.00	25.93 0.46 0.03	26.46 0.52 0.02	26.42 0.52 0.05	28.67 0.62 0.00	33.52 0.53 0.00	43.34 0.09 0.00	48.40 0.15 3.00	47.42 0.28 8.38	44.39 0.34 11.53	41.66 0.14 6.12	34.76 0.39 4.64	32.62 0.48 0.00
BETHLEHEM___GS2 323561	28.22 0.47 0.00	21.87 0.55 0.00	20.69 0.52 -0.22	20.56 0.50 0.00	22.96 0.43 0.00	30.30 0.42 0.00	35.59 0.39 0.31	37.47 0.45 0.53	35.02 0.38 0.00	30.03 0.33 0.00	28.96 0.37 0.00	27.16 0.35 0.00	25.93 0.46 0.03	26.46 0.52 0.02	26.42 0.52 0.05	28.67 0.62 0.00	33.52 0.53 0.00	43.34 0.09 0.00	48.40 0.15 3.00	47.42 0.28 8.38	44.39 0.34 11.53	41.66 0.14 6.12	34.76 0.39 4.64	32.62 0.48 0.00
BETHLEHEM___GS3 323562	28.22 0.47 0.00	21.87 0.55 0.00	20.69 0.52 -0.22	20.56 0.50 0.00	22.96 0.43 0.00	30.30 0.42 0.00	35.59 0.39 0.31	37.47 0.45 0.53	35.02 0.38 0.00	30.03 0.33 0.00	28.96 0.37 0.00	27.16 0.35 0.00	25.93 0.46 0.03	26.46 0.52 0.02	26.42 0.52 0.05	28.67 0.62 0.00	33.52 0.53 0.00	43.34 0.09 0.00	48.40 0.15 3.00	47.42 0.28 8.38	44.39 0.34 11.53	41.66 0.14 6.12	34.76 0.39 4.64	32.62 0.48 0.00
BETHLEHEM___STEEL 23779	26.47 -1.28 0.00	20.31 -1.00 0.00	18.77 -1.22 -0.03	18.86 -1.20 0.00	21.07 -1.46 0.00	27.88 -2.00 0.00	33.31 -2.20 0.00	35.00 -2.55 0.00	32.56 -2.08 0.00	27.68 -2.02 0.00	26.76 -1.83 0.00	25.63 -1.18 0.00	24.42 -1.07 0.00	25.11 -0.86 0.00	25.31 -0.65 0.00	27.02 -1.04 0.00	31.15 -1.85 0.00	40.52 -2.72 0.00	47.71 -3.54 0.00	52.08 -3.44 0.00	52.19 -3.39 0.00	44.74 -2.91 0.00	36.80 -2.22 0.00	30.69 -1.45 0.00
BETHLHEM_115KV_TB1 79974	28.30 0.55 0.00	21.91 0.60 0.00	20.72 0.54 -0.22	20.58 0.52 0.00	22.98 0.45 0.00	30.36 0.48 0.00	35.68 0.46 0.29	37.58 0.53 0.49	35.12 0.48 0.00	30.08 0.39 0.00	29.02 0.43 0.00	27.24 0.43 0.00	25.97 0.51 0.03	26.51 0.57 0.02	26.50 0.60 0.06	28.73 0.67 0.00	33.62 0.63 0.00	43.51 0.26 0.00	48.77 0.31 2.78	48.21 0.44 7.76	45.35 0.44 10.68	42.26 0.29 5.67	35.19 0.47 4.30	32.68 0.55 0.00
BETHPAGE_CC_5 323564	33.65 2.36 -3.54	23.28 1.96 -0.01	21.94 1.80 -0.19	21.85 1.78 -0.01	34.42 1.87 -10.01	46.38 2.30 -14.20	48.83 2.70 -10.62	49.69 3.08 -9.06	48.45 3.08 -10.73	45.63 2.70 -13.23	49.76 2.54 -18.63	49.84 2.65 -20.38	49.94 2.68 -21.77	49.98 2.80 -21.22	50.45 2.78 -21.71	51.57 2.92 -20.59	53.41 3.00 -17.41	64.71 3.33 -18.13	61.31 3.49 -6.58	64.29 3.83 -4.94	63.34 3.78 -3.97	61.99 3.10 -11.26	52.42 2.81 -10.59	50.96 2.60 -16.23
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	26.53 -1.22 0.00	20.36 -0.96 0.00	18.79 -1.20 -0.03	18.90 -1.16 0.00	21.09 -1.44 0.00	27.94 -1.94 0.00	33.38 -2.13 0.00	35.07 -2.48 0.00	32.63 -2.01 0.00	27.77 -1.93 0.00	26.84 -1.74 0.00	25.68 -1.13 0.00	24.48 -1.02 0.00	25.18 -0.78 0.00	25.39 -0.57 0.00	27.11 -0.95 0.00	31.25 -1.75 0.00	40.70 -2.55 0.00	47.91 -3.33 0.00	52.31 -3.22 0.00	52.41 -3.17 0.00	44.83 -2.81 0.00	36.87 -2.15 0.00	30.75 -1.38 0.00
BINGHAMTON___COGEN 23790	27.83 0.08 0.00	21.40 0.09 0.00	20.00 -0.02 -0.06	20.02 -0.04 0.00	22.42 -0.11 0.00	29.73 -0.15 0.00	35.47 -0.04 0.00	37.40 -0.15 0.00	34.46 -0.17 0.00	29.49 -0.21 0.00	28.41 -0.17 0.00	26.83 0.03 0.00	25.59 0.08 -0.02	26.16 0.18 -0.01	26.25 0.26 -0.03	28.29 0.22 0.00	33.06 0.07 0.00	43.21 -0.04 0.00	51.19 -0.05 0.00	55.58 0.06 0.00	55.69 0.11 0.00	47.60 -0.05 0.00	38.94 -0.08 0.00	32.23 0.10 0.00



BIXINCNT_115KV_LOAD 355685	26.47 -1.28 0.00	20.27 -1.04 0.00	18.61 -1.38 -0.03	18.82 -1.24 0.00	21.00 -1.53 0.00	27.88 -2.00 0.00	33.31 -2.20 0.00	35.00 -2.55 0.00	32.70 -1.94 0.00	27.92 -1.78 0.00	27.13 -1.46 0.00	25.95 -0.86 0.00	24.78 -0.71 0.00	25.50 -0.47 0.00	25.73 -0.23 0.00	27.50 -0.56 0.00	31.68 -1.32 0.00	41.30 -1.95 0.00	48.63 -2.61 0.00	52.97 -2.55 0.00	52.91 -2.67 0.00	45.02 -2.62 0.00	36.83 -2.19 0.00	30.72 -1.41 0.00
BLACK RIVER___HYD 24047	27.33 -0.42 0.00	21.00 -0.32 0.00	19.57 -0.40 -0.01	19.56 -0.50 0.00	21.97 -0.56 0.00	29.49 -0.39 0.00	35.26 -0.25 0.00	37.14 -0.41 0.00	33.77 -0.86 0.00	28.54 -1.16 0.00	27.33 -1.26 0.00	25.71 -1.10 0.00	24.40 -1.10 0.00	24.87 -1.09 0.00	24.95 -1.01 0.00	26.94 -1.12 0.00	31.91 -1.09 0.00	42.60 -0.65 0.00	51.30 0.05 0.00	56.08 0.56 0.00	56.30 0.72 0.00	48.17 0.53 0.00	38.94 -0.08 0.00	31.94 -0.19 0.00
BLACKRVR_115KV_TB2 79977	27.33 -0.42 0.00	21.00 -0.32 0.00	19.57 -0.40 -0.01	19.56 -0.50 0.00	21.97 -0.56 0.00	29.49 -0.39 0.00	35.26 -0.25 0.00	37.14 -0.41 0.00	33.77 -0.87 0.00	28.54 -1.16 0.00	27.33 -1.26 0.00	25.71 -1.10 0.00	24.40 -1.10 0.00	24.87 -1.09 0.00	24.95 -1.01 0.00	26.94 -1.12 0.00	31.91 -1.09 0.00	42.60 -0.65 0.00	51.30 0.05 0.00	56.08 0.56 0.00	56.30 0.72 0.00	48.17 0.52 0.00	38.94 -0.08 0.00	31.94 -0.19 0.00
BLDWN_LI_69_KV_BK4 356085	33.74 2.28 -3.71	23.22 1.90 -0.01	21.90 1.76 -0.19	21.81 1.75 -0.01	34.82 1.78 -10.50	47.19 2.24 -15.07	49.47 2.70 -11.27	50.23 3.15 -9.53	49.14 3.12 -11.39	45.59 2.85 -13.04	50.98 2.63 -19.77	51.16 2.73 -21.62	51.32 2.75 -23.07	51.33 2.88 -22.49	51.83 2.88 -22.99	52.97 3.06 -21.85	54.64 3.17 -18.47	65.86 3.59 -19.02	60.65 3.84 -5.57	63.74 4.22 -4.00	62.67 4.17 -2.92	62.74 3.43 -11.67	53.28 3.04 -11.22	52.05 2.70 -17.22
BLISS_WT_PWR 323608	26.39 -1.36 0.00	20.18 -1.13 0.00	18.53 -1.46 -0.03	18.74 -1.32 0.00	20.91 -1.62 0.00	27.79 -2.09 0.00	33.17 -2.34 0.00	34.85 -2.70 0.00	32.63 -2.01 0.00	27.89 -1.81 0.00	27.13 -1.46 0.00	25.98 -0.83 0.00	24.78 -0.71 0.00	25.52 -0.44 0.00	25.75 -0.21 0.00	27.53 -0.53 0.00	31.68 -1.32 0.00	41.43 -1.81 0.00	48.58 -2.67 0.00	53.03 -2.50 0.00	52.91 -2.67 0.00	44.98 -2.67 0.00	36.64 -2.38 0.00	30.62 -1.51 0.00
BLUESTONE___WT_PWR 323821	28.94 1.19 0.00	22.28 0.96 0.00	20.80 0.78 -0.06	20.72 0.66 0.00	23.19 0.65 0.00	30.93 1.05 0.00	37.00 1.49 0.00	38.94 1.39 0.00	36.16 1.52 0.00	30.59 0.89 0.00	29.42 0.83 0.00	27.91 1.10 0.00	26.54 1.02 -0.02	27.12 1.14 -0.02	27.37 1.37 -0.04	29.41 1.35 0.00	34.65 1.65 0.00	45.84 2.59 0.00	54.63 3.38 0.00	59.25 3.72 0.00	59.53 3.95 0.00	50.79 3.14 0.00	41.09 2.07 0.00	33.90 1.77 0.00
BLUE_CIRC_CHEM_DRP 24182	28.52 0.78 0.00	22.04 0.72 0.00	20.85 0.68 -0.22	20.72 0.66 0.00	23.16 0.63 0.00	30.63 0.75 0.00	36.05 0.75 0.20	37.91 0.71 0.35	35.16 0.52 0.00	30.05 0.36 0.00	28.99 0.40 0.00	27.18 0.38 0.00	25.95 0.46 0.00	26.51 0.55 0.00	26.50 0.55 0.00	28.73 0.67 0.00	33.66 0.66 0.00	43.73 0.48 0.00	49.99 0.72 1.97	50.97 0.94 5.50	49.01 1.00 7.57	44.38 0.76 4.02	36.75 0.78 3.05	32.94 0.80 0.00
BOC_GAS_DRP 24189	28.44 0.69 0.00	21.98 0.66 0.00	20.77 0.60 -0.22	20.64 0.58 0.00	23.07 0.54 0.00	30.51 0.63 0.00	36.02 0.67 0.16	38.03 0.75 0.27	35.33 0.69 0.00	30.29 0.59 0.00	29.22 0.63 0.00	27.45 0.64 0.00	26.14 0.69 0.04	26.71 0.78 0.03	26.65 0.78 0.08	28.93 0.87 0.01	33.82 0.82 0.00	43.90 0.65 0.00	50.41 0.72 1.55	52.03 0.83 4.33	50.46 0.83 5.95	45.15 0.67 3.16	37.32 0.70 2.40	32.84 0.71 0.00
BOONVILLE_115KV_TB1 79983	27.91 0.17 0.00	21.49 0.17 0.00	20.02 0.06 -0.01	20.04 -0.02 0.00	22.49 -0.05 0.00	30.00 0.12 0.00	35.76 0.25 0.00	37.70 0.15 0.00	34.60 -0.03 0.00	29.46 -0.24 0.00	28.27 -0.31 0.00	26.59 -0.21 0.00	25.29 -0.20 0.00	25.78 -0.18 0.00	25.86 -0.10 0.00	27.92 -0.14 0.00	32.96 -0.03 0.00	43.55 0.30 0.00	51.91 0.67 0.00	56.58 1.05 0.00	56.58 1.00 0.00	48.41 0.76 0.00	39.41 0.39 0.00	32.42 0.29 0.00
BORALEX_4TH_BRANCH 23824	29.14 1.39 0.00	22.51 1.19 0.00	21.28 1.10 -0.22	21.12 1.06 0.00	23.64 1.10 0.00	31.28 1.40 0.00	37.80 1.67 -0.62	40.46 1.84 -1.07	36.30 1.66 0.00	31.03 1.34 0.00	29.90 1.31 0.00	27.93 1.13 0.00	26.64 1.15 0.00	27.24 1.27 0.00	27.20 1.25 0.00	29.46 1.40 0.00	34.58 1.58 0.00	44.63 1.38 0.00	58.93 1.74 -5.94	74.17 2.05 -16.59	80.46 2.06 -22.82	61.44 1.67 -12.12	49.85 1.64 -9.20	33.74 1.61 0.00
BOWLINE___1 23526	29.27 1.53 0.00	22.62 1.30 0.00	21.33 1.20 -0.17	21.22 1.16 0.00	23.68 1.15 0.00	31.31 1.43 0.00	37.28 1.77 0.00	39.76 2.21 0.00	36.82 2.18 0.00	31.69 1.99 0.00	30.59 2.00 0.00	28.90 2.09 0.00	28.09 2.17 -0.43	28.56 2.26 -0.34	29.09 2.31 -0.82	30.58 2.47 -0.05	35.57 2.58 0.00	46.10 2.85 0.00	54.22 2.97 0.00	58.80 3.28 0.00	58.86 3.28 0.00	50.22 2.57 0.00	41.20 2.18 0.00	34.00 1.86 0.00
BOWLINE___2 23595	29.27 1.53 0.00	22.62 1.30 0.00	21.33 1.20 -0.17	21.22 1.16 0.00	23.68 1.15 0.00	31.31 1.43 0.00	37.28 1.77 0.00	39.76 2.21 0.00	36.82 2.18 0.00	31.69 1.99 0.00	30.59 2.00 0.00	28.90 2.09 0.00	28.09 2.17 -0.43	28.56 2.26 -0.34	29.09 2.31 -0.82	30.58 2.47 -0.05	35.60 2.61 0.00	46.10 2.85 0.00	54.22 2.97 0.00	58.80 3.28 0.00	58.86 3.28 0.00	50.22 2.57 0.00	41.20 2.18 0.00	34.00 1.86 0.00
BRADY___115KV_TB2 356060	27.55 -0.19 0.00	21.00 -0.32 0.00	19.76 -0.20 0.00	19.86 -0.20 0.00	22.35 -0.18 0.00	30.03 0.15 0.00	35.69 0.18 0.00	37.70 0.15 0.00	34.60 -0.03 0.00	29.70 0.00 0.00	28.24 -0.34 0.00	26.24 -0.56 0.00	24.83 -0.66 0.00	25.16 -0.80 0.00	25.08 -0.88 0.00	27.19 -0.87 0.00	32.44 -0.56 0.00	43.25 0.00 0.00	51.60 0.36 0.00	56.03 0.50 0.00	56.03 0.44 0.00	48.17 0.52 0.00	39.25 0.23 0.00	31.97 -0.16 0.00
BRANSCOMB___SOLAR 323811	28.94 1.19 0.00	22.34 1.02 0.00	21.14 0.96 -0.22	21.00 0.94 0.00	23.48 0.95 0.00	31.11 1.23 0.00	37.41 1.46 -0.45	39.84 1.50 -0.78	35.78 1.14 0.00	30.44 0.74 0.00	29.36 0.77 0.00	27.45 0.64 0.00	26.18 0.71 0.03	26.77 0.83 0.02	26.73 0.83 0.06	29.07 1.01 0.00	34.18 1.19 0.00	44.07 0.82 0.00	56.84 1.23 -4.37	69.45 1.72 -12.20	74.36 2.00 -16.78	57.94 1.38 -8.91	47.07 1.29 -6.76	33.32 1.19 0.00
BRDGHMPT_69_KV_BK1 55812	34.30 3.25 -3.30	24.01 2.69 -0.01	22.66 2.51 -0.18	22.58 2.51 -0.01	34.57 2.68 -9.35	46.50 3.47 -13.15	49.44 4.08 -9.84	55.23 4.54 -13.13	48.97 4.40 -9.94	46.97 3.74 -13.53	49.18 3.34 -17.25	48.92 3.24 -18.87	48.82 3.14 -20.19	48.83 3.19 -19.67	49.25 3.12 -20.17	50.47 3.34 -19.07	52.82 3.70 -16.13	76.49 4.37 -28.87	139.46 4.71 -83.50	133.60 5.16 -72.91	135.67 5.06 -75.03	77.37 4.19 -25.53	53.59 3.67 -10.91	50.54 3.37 -15.03



BRENTWOD_69_KV_W. BRTWOOD 56703	33.71 2.64 -3.33	23.52 2.20 -0.01	22.16 2.02 -0.18	22.05 1.99 -0.01	34.02 2.07 -9.42	45.76 2.63 -13.25	48.40 2.98 -9.91	50.27 3.34 -9.38	48.05 3.39 -10.02	46.23 3.03 -13.50	48.83 2.86 -17.39	48.75 2.92 -19.02	48.77 2.93 -20.35	48.85 3.06 -19.82	49.32 3.04 -20.32	50.45 3.17 -19.22	52.55 3.30 -16.25	66.16 3.63 -19.28	76.16 3.69 -21.22	77.56 4.11 -17.93	77.19 4.00 -17.61	64.57 3.48 -13.45	52.35 3.24 -10.10	50.30 3.02 -15.14
BRISTLHL_115KV_TB1 79998	27.11 -0.64 0.00	20.85 -0.47 0.00	19.49 -0.48 -0.01	19.56 -0.50 0.00	21.95 -0.59 0.00	29.10 -0.78 0.00	34.66 -0.85 0.00	36.46 -1.09 0.00	33.60 -1.04 0.00	28.78 -0.92 0.00	27.73 -0.86 0.00	26.11 -0.70 0.00	24.86 -0.64 0.00	25.39 -0.57 0.00	25.41 -0.55 0.00	27.44 -0.62 0.00	32.17 -0.82 0.00	42.13 -1.12 0.00	49.96 -1.28 0.00	54.08 -1.44 0.00	54.19 -1.39 0.00	46.36 -1.29 0.00	37.97 -1.05 0.00	31.40 -0.74 0.00
BROOKHAVEN___DRP 24191	33.88 2.83 -3.30	23.67 2.34 -0.01	22.30 2.16 -0.18	22.19 2.13 -0.01	34.14 2.25 -9.35	45.89 2.87 -13.15	48.69 3.34 -9.84	54.36 3.72 -13.09	48.24 3.67 -9.94	46.44 3.21 -13.53	48.81 2.97 -17.25	48.68 3.00 -18.87	48.67 2.98 -20.19	48.72 3.09 -19.67	49.19 3.06 -20.17	50.39 3.26 -19.07	52.62 3.50 -16.12	76.09 4.07 -28.78	138.51 4.36 -82.91	132.74 4.83 -72.38	134.85 4.78 -74.49	77.01 3.95 -25.42	53.43 3.51 -10.90	50.34 3.18 -15.02
BROOKLYN_NAVY_YARD 23515	29.50 1.75 0.00	22.78 1.47 0.00	21.49 1.36 -0.18	21.36 1.30 0.00	23.82 1.28 0.00	31.49 1.61 0.00	37.57 2.06 0.00	40.14 2.59 0.00	37.24 2.60 0.00	32.13 2.44 0.00	30.99 2.40 0.00	29.33 2.52 0.00	28.55 2.60 -0.45	29.02 2.70 -0.36	29.55 2.72 -0.86	31.03 2.92 -0.05	36.07 3.07 0.00	46.58 3.33 0.00	54.68 3.43 0.00	59.25 3.72 0.00	59.25 3.67 0.00	50.60 2.96 0.00	41.55 2.53 0.00	34.29 2.15 0.00
BROOKLYN___ARMY_DRP 323595	29.78 2.03 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.10 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.06	32.25 2.49 -0.06	31.16 2.52 -0.06	41.48 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.91 3.17 -17.75	52.88 3.59 -6.04	54.73 3.48 0.00	59.30 3.78 0.00	59.19 3.61 0.00	50.77 3.10 -0.03	49.49 2.58 -7.90	34.37 2.22 -0.02
BROOME_2_LFGE 323671	27.83 0.08 0.00	21.40 0.09 0.00	20.00 -0.02 -0.06	20.02 -0.04 0.00	22.42 -0.11 0.00	29.73 -0.15 0.00	35.47 -0.04 0.00	37.40 -0.15 0.00	34.46 -0.17 0.00	29.49 -0.21 0.00	28.42 -0.17 0.00	26.86 0.05 0.00	25.59 0.08 -0.02	26.16 0.18 -0.01	26.25 0.26 -0.03	28.29 0.22 0.00	33.06 0.07 0.00	43.25 0.00 0.00	51.19 -0.05 0.00	55.58 0.06 0.00	55.75 0.17 0.00	47.60 -0.05 0.00	38.94 -0.08 0.00	32.23 0.10 0.00
BROOME___LFGE 323600	27.83 0.08 0.00	21.40 0.09 0.00	20.00 -0.02 -0.06	20.02 -0.04 0.00	22.42 -0.11 0.00	29.73 -0.15 0.00	35.47 -0.04 0.00	37.40 -0.15 0.00	34.46 -0.17 0.00	29.49 -0.21 0.00	28.42 -0.17 0.00	26.86 0.05 0.00	25.59 0.08 -0.02	26.16 0.18 -0.01	26.25 0.26 -0.03	28.29 0.22 0.00	33.06 0.07 0.00	43.25 0.00 0.00	51.19 -0.05 0.00	55.58 0.06 0.00	55.75 0.17 0.00	47.60 -0.05 0.00	38.94 -0.08 0.00	32.23 0.10 0.00
BROWNFLS_115KV_TB_3_5 80003	26.83 -0.92 0.00	20.53 -0.79 0.00	19.20 -0.76 0.00	19.24 -0.82 0.00	21.61 -0.92 0.00	29.01 -0.87 0.00	34.55 -0.96 0.00	36.50 -1.05 0.00	33.42 -1.21 0.00	28.51 -1.19 0.00	27.21 -1.37 0.00	25.41 -1.39 0.00	24.09 -1.40 0.00	24.46 -1.51 0.00	24.45 -1.51 0.00	26.46 -1.60 0.00	31.48 -1.52 0.00	42.00 -1.25 0.00	50.22 -1.02 0.00	54.80 -0.72 0.00	54.69 -0.89 0.00	46.93 -0.71 0.00	38.16 -0.86 0.00	31.14 -1.00 0.00
BROWNSV1_27_KV_LOAD 356125	29.75 2.00 0.00	22.98 1.66 0.00	21.65 1.52 -0.18	21.52 1.46 0.00	24.02 1.49 0.00	31.73 1.85 0.00	37.82 2.31 0.00	40.40 2.85 0.00	37.51 2.87 0.00	32.34 2.64 0.00	31.22 2.63 0.00	29.54 2.73 0.00	28.75 2.80 -0.45	29.23 2.91 -0.36	29.76 2.93 -0.86	31.26 3.14 -0.05	36.30 3.30 0.00	47.01 3.76 0.00	55.14 3.89 0.00	59.80 4.28 0.00	59.69 4.11 0.00	51.07 3.43 0.00	41.87 2.85 0.00	34.54 2.41 0.00
BURROWS___LYONSDAL 23803	27.78 0.03 0.00	21.34 0.02 0.00	19.88 -0.08 -0.01	19.88 -0.18 0.00	22.31 -0.23 0.00	29.79 -0.09 0.00	35.51 0.00 0.00	37.44 -0.11 0.00	34.33 -0.31 0.00	29.19 -0.50 0.00	28.01 -0.57 0.00	26.35 -0.46 0.00	25.04 -0.46 0.00	25.52 -0.44 0.00	25.60 -0.36 0.00	27.64 -0.42 0.00	32.67 -0.33 0.00	43.25 0.00 0.00	51.60 0.36 0.00	56.36 0.83 0.00	56.30 0.72 0.00	48.17 0.52 0.00	39.18 0.16 0.00	32.20 0.06 0.00
CAITHNESS_CC_1 323624	33.83 2.77 -3.30	23.61 2.28 -0.01	22.26 2.11 -0.18	22.15 2.09 -0.01	34.09 2.21 -9.35	45.83 2.81 -13.14	48.58 3.23 -9.84	54.21 3.61 -13.06	48.17 3.60 -9.93	46.38 3.15 -13.53	48.75 2.92 -17.24	48.65 2.98 -18.86	48.63 2.96 -20.18	48.69 3.06 -19.66	49.16 3.04 -20.16	50.35 3.23 -19.07	52.58 3.46 -16.12	75.91 3.98 -28.68	137.91 4.35 -82.31	132.21 4.83 -71.86	134.30 4.78 -73.94	76.76 3.81 -25.30	53.34 3.43 -10.89	50.27 3.12 -15.02
CALPINE BETH_PAGE_GT4 24209	33.73 2.33 -3.65	23.29 1.96 -0.01	21.94 1.80 -0.19	21.85 1.79 -0.01	34.72 1.87 -10.32	46.80 2.24 -14.68	49.08 2.59 -10.97	49.86 2.97 -9.34	48.71 2.98 -11.09	45.41 2.61 -13.10	50.33 2.49 -19.26	50.45 2.57 -21.06	50.61 2.63 -22.48	50.61 2.73 -21.92	51.10 2.73 -22.42	52.21 2.86 -21.28	53.93 2.94 -18.00	65.17 3.24 -18.68	61.03 3.38 -6.41	64.06 3.78 -4.76	63.00 3.67 -3.75	62.25 3.05 -11.56	52.73 2.77 -10.94	51.41 2.51 -16.77
CALPINE_BETH_PAGE_GT_4 323586	33.73 2.33 -3.65	23.28 1.96 -0.01	21.94 1.80 -0.19	21.85 1.78 -0.01	34.72 1.87 -10.32	46.80 2.24 -14.68	49.08 2.59 -10.97	49.86 2.97 -9.34	48.67 2.94 -11.09	45.41 2.61 -13.10	50.33 2.49 -19.26	50.45 2.57 -21.06	50.61 2.63 -22.48	50.60 2.73 -21.92	51.10 2.72 -22.42	52.21 2.86 -21.28	53.96 2.97 -18.00	65.17 3.25 -18.68	61.08 3.43 -6.41	64.06 3.78 -4.76	63.05 3.72 -3.75	62.20 3.00 -11.56	52.73 2.77 -10.94	51.41 2.51 -16.77
CALPINE_BP_GT1 23823	33.73 2.33 -3.65	23.28 1.96 -0.01	21.94 1.80 -0.19	21.85 1.78 -0.01	34.72 1.87 -10.32	46.80 2.24 -14.68	49.08 2.59 -10.97	49.86 2.97 -9.34	48.67 2.94 -11.09	45.41 2.61 -13.10	50.33 2.49 -19.26	50.45 2.57 -21.06	50.61 2.63 -22.48	50.60 2.73 -21.92	51.10 2.72 -22.42	52.21 2.86 -21.28	53.96 2.97 -18.00	65.17 3.25 -18.68	61.08 3.43 -6.41	64.06 3.78 -4.76	63.05 3.72 -3.75	62.20 3.00 -11.56	52.73 2.77 -10.94	51.41 2.51 -16.77
CALSPAN___DRP 24200	26.47 -1.28 0.00	20.31 -1.00 0.00	18.77 -1.22 -0.03	18.86 -1.20 0.00	21.07 -1.46 0.00	27.88 -2.00 0.00	33.31 -2.20 0.00	35.00 -2.55 0.00	32.56 -2.08 0.00	27.68 -2.02 0.00	26.76 -1.83 0.00	25.63 -1.18 0.00	24.42 -1.07 0.00	25.11 -0.86 0.00	25.31 -0.65 0.00	27.02 -1.04 0.00	31.15 -1.85 0.00	40.52 -2.72 0.00	47.71 -3.54 0.00	52.08 -3.44 0.00	52.19 -3.39 0.00	44.74 -2.91 0.00	36.80 -2.22 0.00	30.69 -1.45 0.00



CALVERTON___SOLAR 323806	33.96 2.91 -3.30	23.73 2.41 -0.01	22.36 2.22 -0.18	22.26 2.19 -0.01	34.20 2.32 -9.35	45.99 2.96 -13.15	48.79 3.44 -9.84	54.49 3.83 -13.11	48.35 3.78 -9.94	46.50 3.27 -13.53	48.84 3.00 -17.25	48.71 3.03 -18.87	48.69 3.01 -20.19	48.75 3.11 -19.67	49.22 3.09 -20.17	50.41 3.28 -19.07	52.68 3.56 -16.12	76.22 4.15 -28.82	138.99 4.56 -83.19	133.26 5.11 -72.63	135.38 5.06 -74.75	77.12 4.00 -25.47	53.51 3.59 -10.90	50.40 3.24 -15.02
CANDIGU_WT_PWR 323617	27.03 -0.72 0.00	20.70 -0.62 0.00	19.18 -0.82 -0.04	19.22 -0.84 0.00	21.52 -1.01 0.00	28.60 -1.28 0.00	34.27 -1.24 0.00	35.90 -1.65 0.00	33.15 -1.49 0.00	28.27 -1.42 0.00	27.27 -1.31 0.00	25.98 -0.83 0.00	24.76 -0.74 0.00	25.39 -0.57 0.00	25.52 -0.44 0.00	27.42 -0.64 0.00	31.87 -1.12 0.00	41.78 -1.47 0.00	49.35 -1.89 0.00	53.91 -1.61 0.00	54.08 -1.50 0.00	46.12 -1.53 0.00	37.69 -1.33 0.00	31.30 -0.84 0.00
CARR STREET_E_SYR 24060	27.44 -0.30 0.00	21.10 -0.21 0.00	19.74 -0.24 -0.02	19.80 -0.26 0.00	22.20 -0.34 0.00	29.43 -0.45 0.00	35.09 -0.42 0.00	36.95 -0.60 0.00	34.05 -0.59 0.00	29.16 -0.53 0.00	28.10 -0.49 0.00	26.49 -0.32 0.00	25.22 -0.28 0.00	25.75 -0.21 0.00	25.80 -0.15 0.00	27.87 -0.20 0.00	32.60 -0.39 0.00	42.69 -0.56 0.00	50.58 -0.67 0.00	54.80 -0.72 0.00	54.92 -0.66 0.00	46.98 -0.67 0.00	38.47 -0.55 0.00	31.81 -0.32 0.00
CARTHAGE___PAPER 23857	27.22 -0.53 0.00	20.89 -0.43 0.00	19.47 -0.50 -0.01	19.46 -0.60 0.00	21.86 -0.68 0.00	29.31 -0.57 0.00	35.01 -0.50 0.00	36.91 -0.64 0.00	33.63 -1.01 0.00	28.51 -1.19 0.00	27.27 -1.31 0.00	25.57 -1.23 0.00	24.30 -1.20 0.00	24.74 -1.22 0.00	24.77 -1.19 0.00	26.80 -1.26 0.00	31.78 -1.22 0.00	42.43 -0.82 0.00	50.99 -0.25 0.00	55.86 0.34 0.00	55.86 0.28 0.00	47.84 0.19 0.00	38.75 -0.27 0.00	31.72 -0.42 0.00
CASSADAGA_WT_PWR 323784	26.61 -1.14 0.00	20.34 -0.98 0.00	18.75 -1.24 -0.03	18.86 -1.20 0.00	21.07 -1.46 0.00	27.91 -1.97 0.00	33.38 -2.13 0.00	35.11 -2.44 0.00	32.98 -1.66 0.00	28.12 -1.57 0.00	27.36 -1.23 0.00	26.24 -0.56 0.00	25.09 -0.41 0.00	25.83 -0.13 0.00	26.06 0.10 0.00	27.87 -0.20 0.00	32.11 -0.89 0.00	42.12 -1.12 0.00	49.30 -1.95 0.00	53.75 -1.78 0.00	53.63 -1.95 0.00	45.74 -1.91 0.00	37.42 -1.60 0.00	31.11 -1.03 0.00
CE_DUNWOOD___DRP 24194	29.44 1.69 0.00	22.74 1.43 0.00	21.45 1.32 -0.18	21.34 1.28 0.00	23.82 1.28 0.00	31.46 1.58 0.00	37.46 1.95 0.00	39.99 2.44 0.00	37.06 2.42 0.00	31.90 2.20 0.00	30.79 2.20 0.00	29.11 2.31 0.00	28.32 2.37 -0.45	28.78 2.47 -0.35	29.31 2.49 -0.86	30.81 2.69 -0.05	35.77 2.77 0.00	46.36 3.11 0.00	54.47 3.23 0.00	59.13 3.61 0.00	59.08 3.50 0.00	50.50 2.86 0.00	41.40 2.38 0.00	34.16 2.02 0.00
CE_MILLWOOD___DRP 24193	29.39 1.64 0.00	22.70 1.39 0.00	21.41 1.28 -0.18	21.30 1.24 0.00	23.77 1.24 0.00	31.43 1.55 0.00	37.39 1.88 0.00	39.92 2.37 0.00	36.96 2.32 0.00	31.81 2.11 0.00	30.70 2.12 0.00	29.03 2.23 0.00	28.24 2.29 -0.45	28.70 2.39 -0.35	29.23 2.41 -0.86	30.72 2.61 -0.05	35.67 2.67 0.00	46.28 3.03 0.00	54.37 3.13 0.00	58.97 3.44 0.00	58.97 3.39 0.00	50.41 2.76 0.00	41.32 2.30 0.00	34.09 1.96 0.00
CE_NYC2_DRP 24202	29.63 1.89 0.00	22.94 1.62 0.00	21.61 1.48 -0.18	21.48 1.42 0.00	23.95 1.42 0.00	31.55 1.67 0.00	37.57 2.06 0.00	40.10 2.55 0.00	37.23 2.60 0.00	32.16 2.46 0.00	31.07 2.49 0.00	29.41 2.60 0.00	28.65 2.70 -0.45	29.12 2.80 -0.36	29.65 2.83 -0.86	31.14 3.03 -0.05	36.10 3.10 0.00	46.71 3.46 0.00	54.63 3.38 0.00	59.25 3.72 0.00	59.14 3.56 0.00	50.60 2.95 0.00	41.52 2.50 0.00	34.29 2.15 0.00
CE_NYC_DRP 24195	29.61 1.86 0.00	22.87 1.56 0.00	21.57 1.44 -0.18	21.44 1.38 0.00	23.93 1.40 0.00	31.61 1.73 0.00	37.64 2.13 0.00	40.22 2.67 0.00	37.30 2.67 0.00	32.16 2.46 0.00	31.04 2.46 0.00	29.38 2.57 0.00	28.60 2.65 -0.45	29.07 2.75 -0.36	29.60 2.78 -0.86	31.09 2.97 -0.05	36.06 3.07 0.00	46.71 3.46 0.00	54.78 3.54 0.00	59.41 3.89 0.00	59.36 3.78 0.00	50.79 3.14 0.00	41.63 2.61 0.00	34.38 2.25 0.00
CHAFFEE___LFGE 323603	26.53 -1.22 0.00	20.38 -0.94 0.00	18.81 -1.18 -0.03	18.92 -1.14 0.00	21.11 -1.42 0.00	27.97 -1.91 0.00	33.42 -2.10 0.00	35.11 -2.44 0.00	32.70 -1.94 0.00	27.77 -1.93 0.00	26.84 -1.74 0.00	25.68 -1.12 0.00	24.47 -1.02 0.00	25.19 -0.78 0.00	25.41 -0.55 0.00	27.14 -0.93 0.00	31.25 -1.75 0.00	40.87 -2.38 0.00	47.96 -3.28 0.00	52.53 -3.00 0.00	52.63 -2.95 0.00	45.02 -2.62 0.00	36.91 -2.11 0.00	30.82 -1.32 0.00
CHATEAUG_35_KV_LOAD 355732	27.61 -0.14 0.00	21.08 -0.23 0.00	19.84 -0.12 0.00	19.98 -0.08 0.00	22.47 -0.07 0.00	29.91 0.03 0.00	35.33 -0.18 0.00	37.21 -0.34 0.00	34.33 -0.31 0.00	29.67 -0.03 0.00	28.36 -0.23 0.00	26.30 -0.51 0.00	24.83 -0.66 0.00	25.13 -0.83 0.00	25.10 -0.86 0.00	27.28 -0.79 0.00	32.50 -0.49 0.00	43.42 0.17 0.00	51.96 0.72 0.00	56.58 1.05 0.00	56.53 0.94 0.00	48.45 0.81 0.00	39.60 0.59 0.00	32.36 0.22 0.00
CHATEAUG_WT_PWR 323614	27.61 -0.14 0.00	21.08 -0.23 0.00	19.82 -0.14 0.00	19.96 -0.10 0.00	22.44 -0.09 0.00	29.91 0.03 0.00	35.33 -0.18 0.00	37.21 -0.34 0.00	34.32 -0.31 0.00	29.67 -0.03 0.00	28.39 -0.20 0.00	26.30 -0.51 0.00	24.86 -0.64 0.00	25.16 -0.81 0.00	25.10 -0.86 0.00	27.28 -0.79 0.00	32.50 -0.49 0.00	43.38 0.13 0.00	51.91 0.66 0.00	56.47 0.94 0.00	56.42 0.83 0.00	48.40 0.76 0.00	39.61 0.59 0.00	32.36 0.23 0.00
CHAT_HIGH_FALL_HYD 323578	27.61 -0.14 0.00	21.08 -0.23 0.00	19.84 -0.12 0.00	19.98 -0.08 0.00	22.47 -0.07 0.00	29.91 0.03 0.00	35.33 -0.18 0.00	37.21 -0.34 0.00	34.33 -0.31 0.00	29.67 -0.03 0.00	28.36 -0.23 0.00	26.30 -0.51 0.00	24.83 -0.66 0.00	25.13 -0.83 0.00	25.10 -0.86 0.00	27.28 -0.79 0.00	32.50 -0.49 0.00	43.42 0.17 0.00	51.96 0.72 0.00	56.58 1.05 0.00	56.53 0.94 0.00	48.45 0.81 0.00	39.60 0.59 0.00	32.36 0.22 0.00
CHAUTAUQUA___LFGE 323629	26.64 -1.11 0.00	20.42 -0.89 0.00	18.85 -1.14 -0.03	18.96 -1.10 0.00	21.18 -1.35 0.00	28.03 -1.85 0.00	33.52 -1.99 0.00	35.22 -2.33 0.00	32.91 -1.73 0.00	28.01 -1.69 0.00	27.16 -1.43 0.00	26.03 -0.78 0.00	24.83 -0.66 0.00	25.55 -0.42 0.00	25.75 -0.21 0.00	27.53 -0.53 0.00	31.74 -1.25 0.00	41.52 -1.73 0.00	48.68 -2.56 0.00	53.20 -2.33 0.00	53.25 -2.33 0.00	45.45 -2.19 0.00	37.19 -1.83 0.00	31.01 -1.13 0.00
CHERRYST_13_KV_LD 356241	29.66 1.91 0.00	22.94 1.62 0.00	21.61 1.48 -0.18	21.48 1.42 0.00	23.98 1.44 0.00	31.67 1.79 0.00	37.75 2.24 0.00	40.33 2.78 0.00	37.41 2.77 0.00	32.28 2.58 0.00	31.16 2.57 0.00	29.46 2.65 0.00	28.67 2.73 -0.45	29.15 2.83 -0.36	29.68 2.86 -0.86	31.17 3.06 -0.05	36.20 3.20 0.00	46.84 3.59 0.00	54.93 3.69 0.00	59.58 4.05 0.00	59.53 3.95 0.00	50.88 3.24 0.00	41.71 2.69 0.00	34.48 2.35 0.00



CHESTROR_138KV_BK263 355645	29.08 1.33 0.00	22.47 1.15 0.00	21.18 1.06 -0.16	21.08 1.02 0.00	23.55 1.01 0.00	31.11 1.23 0.00	37.04 1.53 0.00	39.50 1.95 0.00	36.54 1.91 0.00	31.39 1.69 0.00	30.30 1.72 0.00	28.60 1.80 0.00	27.75 1.86 -0.39	28.25 1.97 -0.31	28.71 2.00 -0.75	30.27 2.16 -0.05	35.24 2.24 0.00	45.80 2.55 0.00	53.91 2.66 0.00	58.47 2.94 0.00	58.53 2.95 0.00	49.98 2.33 0.00	40.97 1.95 0.00	33.81 1.67 0.00
CH_MIDHUDSON___DRP 24192	29.27 1.53 0.00	22.62 1.30 0.00	21.33 1.20 -0.18	21.22 1.16 0.00	23.68 1.15 0.00	31.31 1.43 0.00	37.25 1.74 0.00	39.76 2.22 0.00	36.82 2.18 0.00	31.60 1.90 0.00	30.50 1.92 0.00	28.82 2.01 0.00	28.00 2.07 -0.44	28.47 2.15 -0.35	29.01 2.21 -0.84	30.50 2.39 -0.05	35.44 2.44 0.00	46.06 2.81 0.00	54.22 2.97 0.00	58.80 3.28 0.00	58.86 3.28 0.00	50.26 2.62 0.00	41.20 2.19 0.00	34.00 1.86 0.00
CH_MISC_IPPS 23765	29.33 1.58 0.00	22.66 1.34 0.00	21.37 1.24 -0.18	21.26 1.20 0.00	23.73 1.19 0.00	31.34 1.46 0.00	37.32 1.81 0.00	39.88 2.33 0.00	36.89 2.25 0.00	31.63 1.93 0.00	30.50 1.92 0.00	28.84 2.04 0.00	28.04 2.11 -0.43	28.54 2.23 -0.34	29.07 2.28 -0.83	30.55 2.44 -0.05	35.60 2.61 0.00	46.28 3.03 0.00	54.53 3.28 0.00	59.13 3.61 0.00	59.19 3.61 0.00	50.45 2.81 0.00	41.36 2.34 0.00	34.13 1.99 0.00
CH_RES_BVR_FALLS 23983	27.50 -0.25 0.00	21.04 -0.28 0.00	19.70 -0.26 0.00	19.80 -0.26 0.00	22.24 -0.29 0.00	29.40 -0.48 0.00	34.76 -0.75 0.00	36.72 -0.83 0.00	33.94 -0.69 0.00	29.28 -0.42 0.00	28.16 -0.43 0.00	26.33 -0.48 0.00	25.01 -0.49 0.00	25.44 -0.52 0.00	25.44 -0.52 0.00	27.56 -0.50 0.00	32.60 -0.39 0.00	43.03 -0.22 0.00	51.24 0.00 0.00	55.69 0.17 0.00	55.64 0.06 0.00	47.64 0.00 0.00	38.98 -0.04 0.00	31.97 -0.16 0.00
CH_RES_NIAGARA 23895	25.72 -2.03 0.00	19.82 -1.49 0.00	18.41 -1.58 -0.03	18.46 -1.60 0.00	20.62 -1.92 0.00	27.10 -2.78 0.00	32.24 -3.27 0.00	33.87 -3.68 0.00	31.52 -3.12 0.00	26.82 -2.88 0.00	25.84 -2.74 0.00	24.77 -2.04 0.00	23.61 -1.89 0.00	24.25 -1.71 0.00	24.43 -1.53 0.00	25.98 -2.08 0.00	29.93 -3.07 0.00	38.71 -4.54 0.00	45.71 -5.53 0.00	49.92 -5.61 0.00	50.13 -5.45 0.00	43.12 -4.53 0.00	35.59 -3.43 0.00	29.79 -2.35 0.00
CH_RES_SYRACUSE 23985	27.52 -0.22 0.00	21.14 -0.17 0.00	19.77 -0.20 -0.02	19.84 -0.22 0.00	22.24 -0.29 0.00	29.52 -0.36 0.00	35.19 -0.32 0.00	37.02 -0.53 0.00	34.12 -0.52 0.00	29.22 -0.48 0.00	28.13 -0.46 0.00	26.51 -0.29 0.00	25.24 -0.25 0.00	25.78 -0.18 0.00	25.80 -0.15 0.00	27.89 -0.17 0.00	32.67 -0.33 0.00	42.82 -0.43 0.00	50.78 -0.46 0.00	54.97 -0.56 0.00	55.08 -0.50 0.00	47.12 -0.52 0.00	38.59 -0.43 0.00	31.88 -0.26 0.00
CLINTON_WT_PWR 323605	27.61 -0.14 0.00	21.08 -0.23 0.00	19.82 -0.14 0.00	19.96 -0.10 0.00	22.44 -0.09 0.00	29.91 0.03 0.00	35.33 -0.18 0.00	37.21 -0.34 0.00	34.32 -0.31 0.00	29.67 -0.03 0.00	28.39 -0.20 0.00	26.30 -0.51 0.00	24.86 -0.64 0.00	25.16 -0.81 0.00	25.10 -0.86 0.00	27.28 -0.79 0.00	32.50 -0.49 0.00	43.38 0.13 0.00	51.91 0.66 0.00	56.47 0.94 0.00	56.42 0.83 0.00	48.40 0.76 0.00	39.61 0.59 0.00	32.36 0.23 0.00
CLINTON___LFGE 323618	27.94 0.20 0.00	21.29 -0.02 0.00	20.06 0.10 0.00	20.18 0.12 0.00	22.65 0.11 0.00	30.36 0.48 0.00	35.87 0.36 0.00	37.74 0.19 0.00	34.78 0.14 0.00	30.11 0.42 0.00	28.79 0.20 0.00	26.62 -0.19 0.00	25.09 -0.41 0.00	25.37 -0.60 0.00	25.28 -0.68 0.00	27.53 -0.53 0.00	32.90 -0.10 0.00	44.11 0.86 0.00	52.99 1.74 0.00	57.80 2.28 0.00	57.64 2.06 0.00	49.41 1.76 0.00	40.38 1.36 0.00	32.94 0.80 0.00
COBBLENY_34_KV_TB1 80064	26.53 -1.22 0.00	20.38 -0.94 0.00	18.81 -1.18 -0.03	18.92 -1.14 0.00	21.11 -1.42 0.00	27.97 -1.91 0.00	33.42 -2.10 0.00	35.11 -2.44 0.00	32.66 -1.97 0.00	27.77 -1.93 0.00	26.84 -1.74 0.00	25.68 -1.13 0.00	24.48 -1.02 0.00	25.18 -0.78 0.00	25.41 -0.55 0.00	27.14 -0.93 0.00	31.28 -1.72 0.00	40.78 -2.47 0.00	48.02 -3.23 0.00	52.42 -3.11 0.00	52.52 -3.06 0.00	44.93 -2.72 0.00	36.95 -2.07 0.00	30.82 -1.32 0.00
COFFEEN___115KV_TB3 355620	27.41 -0.33 0.00	21.08 -0.23 0.00	19.65 -0.32 -0.01	19.64 -0.42 0.00	22.06 -0.47 0.00	29.61 -0.27 0.00	35.44 -0.07 0.00	37.29 -0.26 0.00	33.87 -0.76 0.00	28.57 -1.13 0.00	27.36 -1.23 0.00	25.74 -1.07 0.00	24.42 -1.07 0.00	24.90 -1.06 0.00	24.97 -0.99 0.00	26.97 -1.09 0.00	31.97 -1.02 0.00	42.73 -0.52 0.00	51.50 0.26 0.00	56.41 0.89 0.00	56.64 1.06 0.00	48.45 0.81 0.00	39.14 0.12 0.00	32.10 -0.03 0.00
COLDSPRG_115KV_BK1 355956	27.11 -0.64 0.00	20.78 -0.53 0.00	19.11 -0.88 -0.03	19.26 -0.80 0.00	21.50 -1.04 0.00	28.51 -1.37 0.00	34.13 -1.38 0.00	35.90 -1.65 0.00	33.49 -1.14 0.00	28.51 -1.19 0.00	27.67 -0.91 0.00	26.49 -0.32 0.00	25.27 -0.23 0.00	25.99 0.03 0.00	26.24 0.29 0.00	28.09 0.03 0.00	32.37 -0.63 0.00	42.38 -0.86 0.00	49.91 -1.33 0.00	54.36 -1.17 0.00	54.36 -1.22 0.00	46.31 -1.33 0.00	37.97 -1.05 0.00	31.56 -0.58 0.00
COLONIE_LFGE___ 323577	28.78 1.03 0.00	22.23 0.92 0.00	21.04 0.86 -0.22	20.88 0.82 0.00	23.37 0.83 0.00	30.93 1.05 0.00	37.51 1.24 -0.75	40.20 1.35 -1.30	35.78 1.14 0.00	30.59 0.89 0.00	29.47 0.89 0.00	27.59 0.78 0.00	26.31 0.84 0.02	26.88 0.93 0.02	26.84 0.93 0.05	29.15 1.09 0.00	34.15 1.15 0.00	44.20 0.95 0.00	59.81 1.28 -7.28	77.40 1.55 -20.33	85.20 1.67 -27.95	63.73 1.24 -14.85	51.49 1.21 -11.26	33.29 1.16 0.00
COOPERNY_115KV_TB1 80082	28.77 1.03 0.00	22.21 0.90 0.00	20.91 0.82 -0.13	20.84 0.78 0.00	23.32 0.79 0.00	30.84 0.96 0.00	36.72 1.21 0.00	39.01 1.46 0.00	36.09 1.45 0.00	30.97 1.28 0.00	29.87 1.29 0.00	28.17 1.37 0.00	27.16 1.40 -0.26	27.65 1.48 -0.21	27.99 1.53 -0.50	29.72 1.63 -0.03	34.68 1.68 0.00	45.15 1.90 0.00	53.29 2.05 0.00	57.75 2.22 0.00	57.80 2.22 0.00	49.45 1.81 0.00	40.50 1.48 0.00	33.42 1.29 0.00
COPENHAGEN_WT_PWR 323753	27.30 -0.45 0.00	21.00 -0.32 0.00	19.57 -0.40 -0.01	19.56 -0.50 0.00	21.97 -0.56 0.00	29.43 -0.45 0.00	35.19 -0.32 0.00	37.06 -0.49 0.00	33.77 -0.86 0.00	28.57 -1.13 0.00	27.36 -1.23 0.00	25.73 -1.07 0.00	24.45 -1.05 0.00	24.92 -1.04 0.00	25.00 -0.96 0.00	26.99 -1.07 0.00	31.94 -1.06 0.00	42.56 -0.69 0.00	51.14 -0.10 0.00	55.92 0.39 0.00	56.08 0.50 0.00	48.02 0.38 0.00	38.90 -0.12 0.00	31.91 -0.22 0.00
CORNELL_____ 23752	28.14 0.39 0.00	21.61 0.30 0.00	20.20 0.20 -0.04	20.22 0.16 0.00	22.67 0.14 0.00	30.15 0.27 0.00	36.01 0.50 0.00	37.92 0.38 0.00	34.74 0.10 0.00	29.67 -0.03 0.00	28.50 -0.09 0.00	26.86 0.05 0.00	25.57 0.08 0.00	26.12 0.16 0.00	26.17 0.21 0.00	28.31 0.25 0.00	33.23 0.23 0.00	43.68 0.43 0.00	51.96 0.72 0.00	56.41 0.89 0.00	56.53 0.94 0.00	48.26 0.62 0.00	39.45 0.43 0.00	32.58 0.45 0.00



CORONA__69_KV_TB1 355595	34.35 2.19 -4.41	23.18 1.85 -0.01	21.84 1.70 -0.19	21.76 1.69 -0.01	36.75 1.74 -12.48	50.18 2.18 -18.12	51.72 2.66 -13.55	52.12 3.12 -11.46	51.41 3.08 -13.69	46.03 2.85 -13.48	55.02 2.66 -23.77	55.57 2.76 -26.00	55.93 2.78 -27.65	55.84 2.91 -26.97	56.34 2.91 -27.47	57.41 3.09 -26.26	58.45 3.23 -22.22	69.80 3.68 -22.87	61.83 3.89 -6.70	64.61 4.28 -4.81	63.31 4.22 -3.51	65.15 3.48 -14.03	55.59 3.08 -13.49	55.54 2.70 -20.70
CORTLAND__115KV_TB3 80093	27.94 0.19 0.00	21.49 0.17 0.00	20.09 0.10 -0.03	20.12 0.06 0.00	22.56 0.02 0.00	29.97 0.09 0.00	35.76 0.25 0.00	37.66 0.11 0.00	34.64 0.00 0.00	29.61 -0.09 0.00	28.50 -0.09 0.00	26.89 0.08 0.00	25.57 0.08 0.00	26.15 0.18 0.00	26.19 0.23 0.00	28.29 0.22 0.00	33.16 0.16 0.00	43.51 0.26 0.00	51.65 0.41 0.00	56.03 0.50 0.00	56.14 0.56 0.00	47.98 0.33 0.00	39.25 0.23 0.00	32.42 0.29 0.00
COXSACKIE__GT 23611	28.80 1.05 0.00	22.28 0.96 0.00	21.08 0.92 -0.21	20.96 0.90 0.00	23.37 0.83 0.00	30.81 0.93 0.00	36.51 1.21 0.21	38.66 1.46 0.35	35.50 0.87 0.00	30.08 0.39 0.00	28.99 0.40 0.00	27.18 0.38 0.00	26.17 0.61 -0.07	26.72 0.70 -0.05	26.87 0.78 -0.13	28.99 0.92 -0.01	33.92 0.92 0.00	44.42 1.17 0.00	51.31 2.05 1.99	52.42 2.44 5.54	50.68 2.72 7.62	45.50 1.91 4.05	37.62 1.68 3.07	33.48 1.35 0.00
CPV_VALLEY__CC1 323721	29.00 1.25 0.00	22.40 1.09 0.00	21.11 1.00 -0.15	21.02 0.96 0.00	23.48 0.95 0.00	31.04 1.16 0.00	36.97 1.46 0.00	39.35 1.80 0.00	36.40 1.77 0.00	31.30 1.60 0.00	30.19 1.60 0.00	28.52 1.72 0.00	27.60 1.76 -0.35	28.08 1.84 -0.27	28.52 1.89 -0.67	30.12 2.02 -0.04	35.11 2.11 0.00	45.58 2.33 0.00	53.70 2.46 0.00	58.25 2.72 0.00	58.30 2.72 0.00	49.79 2.15 0.00	40.82 1.80 0.00	33.68 1.54 0.00
CPV_VALLEY__CC2 323722	29.00 1.25 0.00	22.40 1.09 0.00	21.11 1.00 -0.15	21.02 0.96 0.00	23.48 0.95 0.00	31.04 1.16 0.00	36.97 1.46 0.00	39.35 1.80 0.00	36.40 1.77 0.00	31.30 1.60 0.00	30.19 1.60 0.00	28.52 1.72 0.00	27.60 1.76 -0.35	28.08 1.84 -0.27	28.52 1.89 -0.67	30.12 2.02 -0.04	35.11 2.11 0.00	45.58 2.33 0.00	53.70 2.46 0.00	58.25 2.72 0.00	58.30 2.72 0.00	49.79 2.15 0.00	40.82 1.80 0.00	33.68 1.54 0.00
CRESCENT__HYD 24018	28.78 1.03 0.00	22.23 0.92 0.00	21.04 0.86 -0.22	20.88 0.82 0.00	23.37 0.83 0.00	30.93 1.05 0.00	37.51 1.24 -0.75	40.20 1.35 -1.30	35.78 1.14 0.00	30.59 0.89 0.00	29.47 0.89 0.00	27.59 0.78 0.00	26.31 0.84 0.02	26.88 0.93 0.02	26.84 0.93 0.05	29.15 1.09 0.00	34.15 1.15 0.00	44.20 0.95 0.00	59.81 1.28 -7.28	77.40 1.55 -20.33	85.20 1.67 -27.95	63.73 1.24 -14.85	51.49 1.21 -11.26	33.29 1.16 0.00
CRICKET__VALLEY_CC1 323756	29.22 1.47 0.00	22.59 1.28 0.00	21.32 1.18 -0.18	21.20 1.14 0.00	23.66 1.13 0.00	31.28 1.40 0.00	37.21 1.70 0.00	39.65 2.10 0.00	36.72 2.08 0.00	31.57 1.87 0.00	30.47 1.89 0.00	28.79 1.98 0.00	28.02 2.04 -0.49	28.48 2.13 -0.39	29.05 2.15 -0.94	30.45 2.33 -0.06	35.37 2.38 0.00	45.76 2.51 0.00	53.86 2.61 0.00	58.41 2.89 0.00	58.41 2.83 0.00	49.88 2.24 0.00	40.93 1.91 0.00	33.80 1.67 0.00
CRICKET__VALLEY_CC2 323757	29.22 1.47 0.00	22.59 1.28 0.00	21.32 1.18 -0.18	21.20 1.14 0.00	23.66 1.13 0.00	31.28 1.40 0.00	37.21 1.70 0.00	39.65 2.10 0.00	36.72 2.08 0.00	31.57 1.87 0.00	30.47 1.89 0.00	28.79 1.98 0.00	28.02 2.04 -0.49	28.48 2.13 -0.39	29.05 2.15 -0.94	30.45 2.33 -0.06	35.37 2.38 0.00	45.76 2.51 0.00	53.86 2.61 0.00	58.41 2.89 0.00	58.41 2.83 0.00	49.88 2.24 0.00	40.93 1.91 0.00	33.80 1.67 0.00
CRICKET__VALLEY_CC3 323758	29.22 1.47 0.00	22.59 1.28 0.00	21.32 1.18 -0.18	21.20 1.14 0.00	23.66 1.13 0.00	31.28 1.40 0.00	37.21 1.70 0.00	39.65 2.10 0.00	36.72 2.08 0.00	31.57 1.87 0.00	30.47 1.89 0.00	28.79 1.98 0.00	28.02 2.04 -0.49	28.48 2.13 -0.39	29.05 2.15 -0.94	30.45 2.33 -0.06	35.37 2.38 0.00	45.76 2.51 0.00	53.86 2.61 0.00	58.41 2.89 0.00	58.41 2.83 0.00	49.88 2.24 0.00	40.93 1.91 0.00	33.80 1.67 0.00
CRUCIBLE_METL_DRP 24180	27.53 -0.22 0.00	21.14 -0.17 0.00	19.77 -0.20 -0.02	19.84 -0.22 0.00	22.24 -0.29 0.00	29.52 -0.36 0.00	35.19 -0.32 0.00	37.02 -0.53 0.00	34.08 -0.55 0.00	29.22 -0.48 0.00	28.13 -0.46 0.00	26.51 -0.29 0.00	25.24 -0.25 0.00	25.78 -0.18 0.00	25.80 -0.16 0.00	27.89 -0.17 0.00	32.67 -0.33 0.00	42.82 -0.43 0.00	50.78 -0.46 0.00	54.97 -0.56 0.00	55.08 -0.50 0.00	47.07 -0.57 0.00	38.59 -0.43 0.00	31.88 -0.26 0.00
DAHOWA__HYDRO 323763	28.97 1.22 0.00	22.36 1.04 0.00	21.18 1.00 -0.22	21.02 0.96 0.00	23.50 0.97 0.00	31.13 1.25 0.00	37.40 1.49 -0.40	39.83 1.61 -0.66	35.82 1.18 0.00	30.44 0.74 0.00	29.33 0.74 0.00	27.42 0.62 0.00	26.15 0.69 0.03	26.75 0.81 0.02	26.71 0.81 0.06	29.10 1.04 0.00	34.25 1.25 0.00	44.03 0.78 0.00	56.17 1.23 -3.70	67.62 1.78 -10.32	71.83 2.06 -14.19	56.57 1.38 -7.54	45.98 1.25 -5.72	33.26 1.12 0.00
DANC__LFGE 323619	27.25 -0.50 0.00	20.95 -0.36 0.00	19.55 -0.42 -0.01	19.58 -0.48 0.00	21.97 -0.56 0.00	29.31 -0.57 0.00	34.98 -0.53 0.00	36.83 -0.71 0.00	33.70 -0.93 0.00	28.66 -1.04 0.00	27.53 -1.06 0.00	25.90 -0.91 0.00	24.63 -0.87 0.00	25.11 -0.86 0.00	25.13 -0.83 0.00	27.16 -0.90 0.00	32.01 -0.99 0.00	42.39 -0.86 0.00	50.73 -0.51 0.00	55.30 -0.22 0.00	55.47 -0.11 0.00	47.50 -0.14 0.00	38.63 -0.39 0.00	31.78 -0.35 0.00
DANSKAMMER__1 23586	29.33 1.58 0.00	22.66 1.34 0.00	21.37 1.24 -0.18	21.26 1.20 0.00	23.73 1.19 0.00	31.34 1.46 0.00	37.32 1.81 0.00	39.88 2.33 0.00	36.89 2.25 0.00	31.63 1.93 0.00	30.50 1.92 0.00	28.84 2.04 0.00	28.04 2.11 -0.43	28.54 2.23 -0.34	29.07 2.28 -0.83	30.55 2.44 -0.05	35.60 2.61 0.00	46.28 3.03 0.00	54.53 3.28 0.00	59.13 3.61 0.00	59.19 3.61 0.00	50.45 2.81 0.00	41.36 2.34 0.00	34.13 1.99 0.00
DANSKAMMER__2 23589	29.33 1.58 0.00	22.66 1.34 0.00	21.37 1.24 -0.18	21.26 1.20 0.00	23.73 1.19 0.00	31.34 1.46 0.00	37.32 1.81 0.00	39.88 2.33 0.00	36.89 2.25 0.00	31.63 1.93 0.00	30.50 1.92 0.00	28.84 2.04 0.00	28.04 2.11 -0.43	28.54 2.23 -0.34	29.07 2.28 -0.83	30.55 2.44 -0.05	35.60 2.61 0.00	46.28 3.03 0.00	54.53 3.28 0.00	59.13 3.61 0.00	59.19 3.61 0.00	50.45 2.81 0.00	41.36 2.34 0.00	34.13 1.99 0.00
DANSKAMMER__3 23590	29.33 1.58 0.00	22.66 1.34 0.00	21.37 1.24 -0.18	21.26 1.20 0.00	23.73 1.19 0.00	31.34 1.46 0.00	37.32 1.81 0.00	39.88 2.33 0.00	36.89 2.25 0.00	31.63 1.93 0.00	30.50 1.92 0.00	28.84 2.04 0.00	28.04 2.11 -0.43	28.54 2.23 -0.34	29.07 2.28 -0.83	30.55 2.44 -0.05	35.60 2.61 0.00	46.28 3.03 0.00	54.53 3.28 0.00	59.13 3.61 0.00	59.19 3.61 0.00	50.45 2.81 0.00	41.36 2.34 0.00	34.13 1.99 0.00



DANSKAMMER___4 23591	29.33 1.58 0.00	22.66 1.34 0.00	21.37 1.24 -0.18	21.26 1.20 0.00	23.73 1.19 0.00	31.34 1.46 0.00	37.32 1.81 0.00	39.88 2.33 0.00	36.89 2.25 0.00	31.63 1.93 0.00	30.50 1.92 0.00	28.84 2.04 0.00	28.04 2.11 -0.43	28.54 2.23 -0.34	29.07 2.28 -0.83	30.55 2.44 -0.05	35.60 2.61 0.00	46.28 3.03 0.00	54.53 3.28 0.00	59.13 3.61 0.00	59.19 3.61 0.00	50.45 2.81 0.00	41.36 2.34 0.00	34.13 1.99 0.00
DANSKAMMER___DIESEL 23592	29.33 1.58 0.00	22.66 1.34 0.00	21.37 1.24 -0.18	21.26 1.20 0.00	23.73 1.19 0.00	31.34 1.46 0.00	37.32 1.81 0.00	39.88 2.33 0.00	36.89 2.25 0.00	31.63 1.93 0.00	30.50 1.92 0.00	28.87 2.06 0.00	28.04 2.12 -0.43	28.54 2.23 -0.34	29.07 2.28 -0.83	30.55 2.44 -0.05	35.57 2.57 0.00	46.28 3.03 0.00	54.52 3.28 0.00	59.13 3.61 0.00	59.19 3.61 0.00	50.50 2.86 0.00	41.36 2.34 0.00	34.13 1.99 0.00
DARBY___SOLAR 323810	28.94 1.19 0.00	22.34 1.02 0.00	21.14 0.96 -0.22	21.00 0.94 0.00	23.48 0.95 0.00	31.11 1.23 0.00	37.41 1.46 -0.45	39.71 1.69 -0.47	35.71 1.07 0.00	30.14 0.45 0.00	29.04 0.46 0.00	27.08 0.27 0.00	25.85 0.38 0.03	26.43 0.49 0.03	26.42 0.52 0.06	28.84 0.78 0.00	34.12 1.12 0.00	43.64 0.39 0.00	54.82 0.97 -2.60	64.45 1.66 -7.26	67.56 2.00 -9.98	54.05 1.10 -5.30	44.02 0.98 -4.02	33.00 0.87 0.00
DASHVILLE___HYD 23610	29.11 1.36 0.00	22.49 1.17 0.00	21.22 1.08 -0.18	21.10 1.04 0.00	23.55 1.01 0.00	31.11 1.23 0.00	37.09 1.63 0.05	39.86 2.40 0.09	36.82 2.18 0.00	31.60 1.90 0.00	30.50 1.92 0.00	28.84 2.04 0.00	28.05 2.22 -0.34	28.56 2.34 -0.26	28.99 2.39 -0.64	30.65 2.55 -0.04	35.50 2.51 0.00	46.23 2.98 0.00	54.13 3.38 0.49	57.87 3.72 1.37	57.42 3.72 1.89	49.60 2.95 1.00	40.68 2.42 0.76	34.06 1.93 0.00
DELAWARE___LFGE 323621	28.61 0.86 0.00	22.04 0.72 0.00	20.67 0.64 -0.08	20.66 0.60 0.00	23.14 0.61 0.00	30.69 0.81 0.00	36.58 1.07 0.00	38.68 1.13 0.00	35.61 0.97 0.00	30.41 0.71 0.00	29.30 0.71 0.00	27.64 0.83 0.00	26.36 0.84 -0.02	26.92 0.93 -0.02	27.02 1.01 -0.04	29.10 1.04 0.00	34.09 1.09 0.00	44.59 1.34 0.00	52.83 1.59 0.00	57.25 1.72 0.00	57.42 1.83 0.00	49.12 1.48 0.00	40.15 1.13 0.00	33.13 1.00 0.00
DERFIELD_115KV_TB7 355931	27.86 0.11 0.00	21.42 0.11 0.00	20.04 0.08 0.00	20.14 0.08 0.00	22.58 0.05 0.00	29.91 0.03 0.00	35.55 0.04 0.00	37.59 0.04 0.00	34.67 0.03 0.00	29.70 0.00 0.00	28.61 0.03 0.00	26.86 0.05 0.00	25.60 0.10 0.00	26.09 0.13 0.00	26.09 0.13 0.00	28.20 0.14 0.00	33.13 0.13 0.00	43.29 0.04 0.00	51.35 0.10 0.00	55.64 0.11 0.00	55.69 0.11 0.00	47.69 0.05 0.00	39.10 0.08 0.00	32.23 0.10 0.00
DOGLEVILLE___HYD 23807	27.83 0.08 0.00	21.38 0.06 0.00	20.00 0.04 0.00	20.06 0.00 0.00	22.51 -0.02 0.00	29.88 0.00 0.00	35.55 0.04 0.00	37.55 0.00 0.00	34.64 0.00 0.00	29.64 -0.06 0.00	28.53 -0.06 0.00	26.81 0.00 0.00	25.50 0.00 0.00	25.99 0.03 0.00	26.01 0.05 0.00	28.09 0.03 0.00	33.00 0.00 0.00	43.25 0.00 0.00	51.30 0.05 0.00	55.58 0.06 0.00	55.69 0.11 0.00	47.69 0.05 0.00	39.02 0.00 0.00	32.20 0.06 0.00
DUNKIRK___115KV_TB_200 55889	26.67 -1.08 0.00	20.44 -0.87 0.00	18.87 -1.12 -0.03	18.98 -1.08 0.00	21.20 -1.33 0.00	28.06 -1.82 0.00	33.56 -1.95 0.00	35.26 -2.29 0.00	32.87 -1.77 0.00	28.01 -1.69 0.00	27.13 -1.46 0.00	26.00 -0.80 0.00	24.78 -0.71 0.00	25.50 -0.47 0.00	25.73 -0.23 0.00	27.47 -0.59 0.00	31.68 -1.32 0.00	41.35 -1.90 0.00	48.68 -2.56 0.00	53.08 -2.44 0.00	53.08 -2.50 0.00	45.36 -2.29 0.00	37.22 -1.79 0.00	31.01 -1.12 0.00
DUNKIRK___1 23563	26.67 -1.08 0.00	20.44 -0.87 0.00	18.87 -1.12 -0.03	18.98 -1.08 0.00	21.20 -1.33 0.00	28.06 -1.82 0.00	33.56 -1.95 0.00	35.26 -2.29 0.00	32.87 -1.77 0.00	28.01 -1.69 0.00	27.13 -1.46 0.00	26.00 -0.80 0.00	24.78 -0.71 0.00	25.50 -0.47 0.00	25.73 -0.23 0.00	27.47 -0.59 0.00	31.68 -1.32 0.00	41.35 -1.90 0.00	48.68 -2.56 0.00	53.08 -2.44 0.00	53.08 -2.50 0.00	45.36 -2.29 0.00	37.22 -1.79 0.00	31.01 -1.12 0.00
DUNKIRK___2 23564	26.67 -1.08 0.00	20.44 -0.87 0.00	18.87 -1.12 -0.03	18.98 -1.08 0.00	21.20 -1.33 0.00	28.06 -1.82 0.00	33.56 -1.95 0.00	35.26 -2.29 0.00	32.87 -1.77 0.00	28.01 -1.69 0.00	27.13 -1.46 0.00	26.00 -0.80 0.00	24.78 -0.71 0.00	25.50 -0.47 0.00	25.73 -0.23 0.00	27.47 -0.59 0.00	31.68 -1.32 0.00	41.35 -1.90 0.00	48.68 -2.56 0.00	53.08 -2.44 0.00	53.08 -2.50 0.00	45.36 -2.29 0.00	37.22 -1.79 0.00	31.01 -1.12 0.00
DUNKIRK___3 23565	26.61 -1.14 0.00	20.40 -0.92 0.00	18.85 -1.14 -0.03	18.94 -1.12 0.00	21.16 -1.37 0.00	28.00 -1.88 0.00	33.49 -2.02 0.00	35.18 -2.37 0.00	32.77 -1.87 0.00	27.89 -1.81 0.00	26.99 -1.60 0.00	25.84 -0.97 0.00	24.63 -0.87 0.00	25.34 -0.62 0.00	25.54 -0.42 0.00	27.30 -0.76 0.00	31.48 -1.52 0.00	41.04 -2.21 0.00	48.32 -2.92 0.00	52.75 -2.78 0.00	52.80 -2.78 0.00	45.12 -2.53 0.00	37.07 -1.95 0.00	30.91 -1.22 0.00
DUNKIRK___4 23566	26.61 -1.14 0.00	20.40 -0.92 0.00	18.85 -1.14 -0.03	18.94 -1.12 0.00	21.16 -1.37 0.00	28.00 -1.88 0.00	33.49 -2.02 0.00	35.18 -2.37 0.00	32.77 -1.87 0.00	27.89 -1.81 0.00	26.99 -1.60 0.00	25.84 -0.97 0.00	24.63 -0.87 0.00	25.34 -0.62 0.00	25.54 -0.42 0.00	27.30 -0.76 0.00	31.48 -1.52 0.00	41.04 -2.21 0.00	48.32 -2.92 0.00	52.75 -2.78 0.00	52.80 -2.78 0.00	45.12 -2.53 0.00	37.07 -1.95 0.00	30.91 -1.22 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	29.50 1.75 0.00	22.79 1.47 0.00	21.49 1.36 -0.18	21.38 1.32 0.00	23.86 1.33 0.00	31.52 1.64 0.00	37.57 2.06 0.00	40.07 2.52 0.00	37.13 2.49 0.00	31.98 2.29 0.00	30.87 2.29 0.00	29.19 2.39 0.00	28.42 2.47 -0.45	28.89 2.57 -0.36	29.42 2.60 -0.86	30.89 2.78 -0.05	35.87 2.87 0.00	46.49 3.24 0.00	54.63 3.38 0.00	59.25 3.72 0.00	59.19 3.61 0.00	50.65 3.00 0.00	41.48 2.46 0.00	34.26 2.12 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	29.19 1.44 0.00	22.55 1.24 0.00	21.27 1.14 -0.17	21.18 1.12 0.00	23.64 1.10 0.00	31.22 1.34 0.00	37.18 1.67 0.00	39.73 2.18 0.00	36.75 2.11 0.00	31.54 1.84 0.00	30.44 1.86 0.00	28.76 1.96 0.00	27.92 2.01 -0.41	28.41 2.13 -0.32	28.92 2.18 -0.78	30.44 2.33 -0.05	35.44 2.44 0.00	46.10 2.85 0.00	54.27 3.02 0.00	58.86 3.33 0.00	58.92 3.33 0.00	50.31 2.67 0.00	41.20 2.19 0.00	33.97 1.83 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	29.63 1.89 0.00	22.98 1.66 0.00	21.65 1.52 -0.18	21.50 1.44 0.00	23.95 1.42 0.00	31.40 1.52 0.00	37.39 1.88 0.00	39.92 2.37 0.00	37.10 2.46 0.00	32.04 2.35 0.00	30.96 2.37 0.00	29.30 2.49 0.00	28.55 2.60 -0.45	29.02 2.70 -0.36	29.55 2.73 -0.86	31.03 2.92 -0.05	35.97 2.97 0.00	46.54 3.29 0.00	54.42 3.18 0.00	59.02 3.50 0.00	58.92 3.33 0.00	50.41 2.76 0.00	41.36 2.34 0.00	34.16 2.02 0.00



E179THST_13_KV_LOAD 356214	29.75 2.00 0.00	23.04 1.73 0.00	21.71 1.58 -0.18	21.56 1.50 0.00	24.02 1.49 0.00	31.52 1.64 0.00	37.53 2.02 0.00	40.07 2.52 0.00	37.23 2.60 0.00	32.16 2.46 0.00	31.07 2.49 0.00	29.41 2.60 0.00	28.65 2.70 -0.45	29.12 2.80 -0.36	29.65 2.83 -0.86	31.14 3.03 -0.05	36.13 3.13 0.00	46.75 3.50 0.00	54.68 3.43 0.00	59.30 3.78 0.00	59.19 3.61 0.00	50.65 3.00 0.00	41.52 2.50 0.00	34.29 2.15 0.00
EAST HAMPTON___GT 23717	34.35 3.30 -3.30	24.09 2.77 -0.01	22.80 2.65 -0.18	22.74 2.67 -0.01	34.77 2.88 -9.35	46.76 3.73 -13.15	49.79 4.44 -9.84	55.64 4.96 -13.13	49.32 4.75 -9.94	47.18 3.95 -13.53	49.30 3.46 -17.25	48.92 3.24 -18.87	48.72 3.03 -20.19	48.62 2.98 -19.67	48.99 2.86 -20.17	50.19 3.06 -19.07	52.62 3.50 -16.13	76.24 4.11 -28.88	139.11 4.35 -83.52	133.16 4.72 -72.92	135.35 4.72 -75.05	76.90 3.72 -25.54	53.20 3.28 -10.91	50.31 3.15 -15.03
EAST RIVER___6 23660	29.58 1.83 0.00	22.87 1.56 0.00	21.55 1.42 -0.18	21.42 1.36 0.00	23.91 1.37 0.00	31.58 1.70 0.00	37.60 2.09 0.00	40.14 2.59 0.00	37.27 2.63 0.00	32.13 2.44 0.00	31.01 2.43 0.00	29.33 2.52 0.00	28.57 2.63 -0.45	29.04 2.73 -0.36	29.57 2.75 -0.86	31.06 2.95 -0.05	36.10 3.10 0.00	46.67 3.42 0.00	54.73 3.49 0.00	59.35 3.83 0.00	59.31 3.72 0.00	50.70 3.05 0.00	41.59 2.57 0.00	34.35 2.22 0.00
EAST RIVER___7 23524	29.58 1.83 0.00	22.87 1.56 0.00	21.55 1.42 -0.18	21.42 1.36 0.00	23.91 1.37 0.00	31.58 1.70 0.00	37.60 2.09 0.00	40.14 2.59 0.00	37.27 2.63 0.00	32.13 2.44 0.00	31.01 2.43 0.00	29.33 2.52 0.00	28.57 2.63 -0.45	29.04 2.73 -0.36	29.57 2.75 -0.86	31.06 2.95 -0.05	36.10 3.10 0.00	46.67 3.42 0.00	54.73 3.49 0.00	59.35 3.83 0.00	59.31 3.72 0.00	50.70 3.05 0.00	41.59 2.57 0.00	34.35 2.22 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	29.44 1.69 0.00	22.74 1.43 0.00	21.45 1.32 -0.18	21.34 1.28 0.00	23.82 1.28 0.00	31.46 1.58 0.00	37.46 1.95 0.00	39.99 2.44 0.00	37.06 2.42 0.00	31.90 2.20 0.00	30.79 2.20 0.00	29.11 2.31 0.00	28.32 2.37 -0.45	28.78 2.47 -0.35	29.31 2.49 -0.86	30.81 2.69 -0.05	35.77 2.77 0.00	46.36 3.11 0.00	54.47 3.23 0.00	59.13 3.61 0.00	59.08 3.50 0.00	50.50 2.86 0.00	41.40 2.38 0.00	34.16 2.02 0.00
EAST_HAMPTON___DIESEL 23722	34.35 3.30 -3.30	24.07 2.75 -0.01	22.78 2.63 -0.18	22.74 2.67 -0.01	34.77 2.88 -9.35	46.76 3.73 -13.15	49.79 4.44 -9.84	55.64 4.96 -13.13	49.32 4.75 -9.94	47.18 3.95 -13.53	49.30 3.46 -17.25	48.90 3.22 -18.87	48.69 3.01 -20.19	48.57 2.93 -19.67	48.94 2.80 -20.17	50.14 3.00 -19.07	52.52 3.40 -16.13	76.15 4.02 -28.88	138.96 4.20 -83.52	133.05 4.61 -72.92	135.19 4.56 -75.05	76.76 3.58 -25.54	53.13 3.20 -10.91	50.25 3.09 -15.03
EAST_POINT___SOLAR 323840	29.44 1.69 0.00	22.70 1.38 0.00	21.50 1.30 -0.25	21.32 1.26 0.00	23.86 1.33 0.00	31.76 1.88 0.00	37.54 1.99 -0.04	38.86 1.24 -0.07	34.78 0.14 0.00	29.25 -0.44 0.00	28.24 -0.34 0.00	26.54 -0.27 0.00	25.32 -0.15 0.03	25.86 -0.08 0.02	25.85 -0.05 0.05	28.20 0.14 0.00	33.26 0.26 0.00	43.94 0.69 0.00	54.03 2.41 -0.37	60.62 4.05 -1.04	61.62 4.61 -1.43	51.74 3.33 -0.76	42.21 2.61 -0.58	34.26 2.12 0.00
EAST_PULASKI___ESR 323781	27.25 -0.50 0.00	20.93 -0.38 0.00	19.57 -0.40 -0.01	19.62 -0.44 0.00	22.02 -0.52 0.00	29.25 -0.63 0.00	34.83 -0.68 0.00	36.72 -0.83 0.00	33.70 -0.93 0.00	28.78 -0.92 0.00	27.70 -0.89 0.00	26.08 -0.72 0.00	24.81 -0.69 0.00	25.34 -0.62 0.00	25.34 -0.62 0.00	27.36 -0.70 0.00	32.14 -0.86 0.00	42.30 -0.95 0.00	50.37 -0.87 0.00	54.75 -0.78 0.00	54.86 -0.72 0.00	46.98 -0.67 0.00	38.39 -0.63 0.00	31.65 -0.48 0.00
EAST_RIVER___1 323558	29.61 1.86 0.00	22.87 1.56 0.00	21.57 1.44 -0.18	21.44 1.38 0.00	23.93 1.40 0.00	31.61 1.73 0.00	37.64 2.13 0.00	40.18 2.63 0.00	37.30 2.67 0.00	32.16 2.46 0.00	31.05 2.46 0.00	29.38 2.57 0.00	28.60 2.65 -0.45	29.07 2.75 -0.36	29.60 2.78 -0.86	31.09 2.97 -0.05	36.13 3.14 0.00	46.71 3.46 0.00	54.78 3.53 0.00	59.41 3.89 0.00	59.36 3.78 0.00	50.74 3.10 0.00	41.63 2.61 0.00	34.38 2.25 0.00
EAST_RIVER___2 323559	29.58 1.83 0.00	22.87 1.56 0.00	21.55 1.42 -0.18	21.42 1.36 0.00	23.91 1.37 0.00	31.58 1.70 0.00	37.60 2.09 0.00	40.14 2.59 0.00	37.27 2.63 0.00	32.13 2.44 0.00	31.01 2.43 0.00	29.33 2.52 0.00	28.57 2.63 -0.45	29.04 2.73 -0.36	29.57 2.75 -0.86	31.06 2.95 -0.05	36.10 3.10 0.00	46.67 3.42 0.00	54.73 3.49 0.00	59.35 3.83 0.00	59.31 3.72 0.00	50.70 3.05 0.00	41.59 2.57 0.00	34.35 2.22 0.00
EAST___DELAWARE_HYD 23607	29.22 1.47 0.00	22.55 1.24 0.00	21.26 1.14 -0.16	21.16 1.10 0.00	23.61 1.08 0.00	31.23 1.35 0.00	37.25 1.74 0.00	39.80 2.25 0.00	36.79 2.15 0.00	31.48 1.78 0.00	30.36 1.77 0.00	28.74 1.93 0.00	27.80 1.96 -0.34	28.28 2.05 -0.27	28.74 2.13 -0.65	30.37 2.27 -0.04	35.47 2.48 0.00	46.28 3.03 0.00	54.57 3.33 0.00	59.19 3.66 0.00	59.36 3.78 0.00	50.60 2.96 0.00	41.40 2.38 0.00	34.10 1.96 0.00
EIGHT_POINT___WT_PWR 323820	27.11 -0.64 0.00	20.70 -0.62 0.00	19.12 -0.88 -0.04	19.16 -0.90 0.00	21.43 -1.10 0.00	28.57 -1.31 0.00	34.30 -1.21 0.00	35.97 -1.58 0.00	33.22 -1.42 0.00	28.33 -1.37 0.00	27.33 -1.26 0.00	26.03 -0.78 0.00	24.81 -0.69 0.00	25.44 -0.52 0.00	25.57 -0.39 0.00	27.50 -0.56 0.00	31.97 -1.02 0.00	42.04 -1.21 0.00	49.71 -1.54 0.00	54.36 -1.17 0.00	54.47 -1.11 0.00	46.41 -1.24 0.00	37.81 -1.21 0.00	31.40 -0.74 0.00
ELBRIDGE_115KV_TB2 80188	27.33 -0.42 0.00	21.00 -0.32 0.00	19.66 -0.32 -0.02	19.72 -0.34 0.00	22.10 -0.43 0.00	29.34 -0.54 0.00	34.94 -0.57 0.00	36.80 -0.75 0.00	33.87 -0.76 0.00	29.01 -0.68 0.00	27.93 -0.66 0.00	26.32 -0.48 0.00	25.06 -0.43 0.00	25.57 -0.39 0.00	25.62 -0.34 0.00	27.67 -0.39 0.00	32.40 -0.59 0.00	42.43 -0.82 0.00	50.32 -0.92 0.00	54.53 -1.00 0.00	54.58 -1.00 0.00	46.69 -0.95 0.00	38.28 -0.74 0.00	31.65 -0.48 0.00
ELEC_TRO_TEK 24086	34.19 2.05 -4.39	23.07 1.75 -0.01	21.74 1.60 -0.19	21.66 1.58 -0.01	36.59 1.64 -12.41	49.90 2.06 -17.96	51.46 2.52 -13.43	51.88 2.97 -11.36	51.16 2.94 -13.58	45.66 2.67 -13.29	54.70 2.54 -23.57	55.24 2.65 -25.78	55.62 2.70 -27.42	55.51 2.80 -26.74	56.00 2.80 -27.24	57.04 2.95 -26.04	58.06 3.04 -22.03	69.34 3.42 -22.67	61.47 3.59 -6.64	64.23 3.94 -4.77	62.95 3.89 -3.48	64.75 3.19 -13.91	55.24 2.85 -13.37	55.20 2.54 -20.53
ELLENBURG_WT_PWR 323604	27.61 -0.14 0.00	21.08 -0.23 0.00	19.82 -0.14 0.00	19.96 -0.10 0.00	22.44 -0.09 0.00	29.91 0.03 0.00	35.33 -0.18 0.00	37.21 -0.34 0.00	34.32 -0.31 0.00	29.67 -0.03 0.00	28.39 -0.20 0.00	26.30 -0.51 0.00	24.86 -0.64 0.00	25.16 -0.81 0.00	25.10 -0.86 0.00	27.28 -0.79 0.00	32.50 -0.49 0.00	43.38 0.13 0.00	51.91 0.66 0.00	56.47 0.94 0.00	56.42 0.83 0.00	48.40 0.76 0.00	39.61 0.59 0.00	32.36 0.23 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	26.33 -1.42 0.00	20.21 -1.11 0.00	18.71 -1.28 -0.03	18.78 -1.28 0.00	20.98 -1.55 0.00	27.73 -2.15 0.00	33.10 -2.41 0.00	34.77 -2.78 0.00	32.39 -2.25 0.00	27.53 -2.17 0.00	26.59 -2.00 0.00	25.47 -1.34 0.00	24.27 -1.22 0.00	24.95 -1.01 0.00	25.15 -0.80 0.00	26.83 -1.23 0.00	30.92 -2.08 0.00	40.18 -3.07 0.00	47.35 -3.89 0.00	51.69 -3.83 0.00	51.80 -3.78 0.00	44.40 -3.24 0.00	36.56 -2.46 0.00	30.53 -1.61 0.00
EMPIRE_CC_1 323656	28.64 0.89 0.00	22.17 0.85 0.00	20.95 0.78 -0.21	20.82 0.76 0.00	23.28 0.74 0.00	30.75 0.87 0.00	35.99 0.92 0.44	37.81 1.01 0.75	35.57 0.94 0.00	30.47 0.77 0.00	29.39 0.80 0.00	27.56 0.75 0.00	26.33 0.82 -0.02	26.86 0.88 -0.01	26.88 0.88 -0.04	29.04 0.98 0.00	33.82 0.83 0.00	43.64 0.39 0.00	47.54 0.56 4.27	44.28 0.67 11.92	39.97 0.78 16.39	39.51 0.57 8.71	33.20 0.78 6.60	33.10 0.96 0.00
EMPIRE_CC_2 323658	28.64 0.89 0.00	22.17 0.85 0.00	20.95 0.78 -0.21	20.82 0.76 0.00	23.28 0.74 0.00	30.75 0.87 0.00	35.99 0.92 0.44	37.81 1.01 0.75	35.57 0.94 0.00	30.47 0.77 0.00	29.39 0.80 0.00	27.56 0.75 0.00	26.33 0.82 -0.02	26.86 0.88 -0.01	26.88 0.88 -0.04	29.04 0.98 0.00	33.82 0.83 0.00	43.64 0.39 0.00	47.54 0.56 4.27	44.28 0.67 11.92	39.97 0.78 16.39	39.51 0.57 8.71	33.20 0.78 6.60	33.10 0.96 0.00
ENORWICH_115KV_TB1 80156	29.33 1.58 0.00	22.55 1.24 0.00	21.05 1.04 -0.06	20.98 0.92 0.00	23.50 0.97 0.00	31.46 1.58 0.00	37.75 2.24 0.00	39.58 2.03 0.00	37.30 2.67 0.00	31.27 1.57 0.00	30.02 1.43 0.00	28.55 1.74 0.00	27.10 1.58 -0.02	27.72 1.74 -0.02	28.10 2.10 -0.04	30.14 2.08 0.00	35.70 2.71 0.00	47.62 4.37 0.00	57.03 5.79 0.00	61.86 6.33 0.00	62.31 6.73 0.00	53.08 5.43 0.00	42.65 3.63 0.00	35.12 2.99 0.00
ERIE_ST__34_KV_TB1-2 80199	26.61 -1.14 0.00	20.44 -0.87 0.00	18.81 -1.18 -0.03	18.96 -1.10 0.00	21.18 -1.35 0.00	28.03 -1.85 0.00	33.52 -1.99 0.00	35.22 -2.33 0.00	32.77 -1.87 0.00	27.86 -1.84 0.00	26.96 -1.63 0.00	25.79 -1.02 0.00	24.58 -0.92 0.00	25.26 -0.70 0.00	25.49 -0.47 0.00	27.25 -0.81 0.00	31.41 -1.58 0.00	41.00 -2.25 0.00	48.27 -2.97 0.00	52.69 -2.83 0.00	52.75 -2.83 0.00	45.12 -2.53 0.00	37.07 -1.95 0.00	30.88 -1.25 0.00
ERIE_WT_PWR 323693	26.47 -1.28 0.00	20.31 -1.00 0.00	18.79 -1.20 -0.03	18.88 -1.18 0.00	21.07 -1.46 0.00	27.91 -1.97 0.00	33.34 -2.17 0.00	34.99 -2.55 0.00	32.63 -2.01 0.00	27.71 -1.99 0.00	26.79 -1.80 0.00	25.63 -1.18 0.00	24.43 -1.07 0.00	25.11 -0.86 0.00	25.34 -0.62 0.00	27.02 -1.04 0.00	31.15 -1.85 0.00	40.70 -2.55 0.00	47.71 -3.54 0.00	52.25 -3.28 0.00	52.36 -3.23 0.00	44.83 -2.81 0.00	36.76 -2.26 0.00	30.72 -1.41 0.00
ESPRGFLD_115KV_TB1 80157	28.94 1.19 0.00	22.30 0.98 0.00	20.83 0.88 0.01	20.90 0.84 0.00	23.41 0.88 0.00	31.16 1.28 0.00	37.17 1.63 -0.03	39.10 1.50 -0.05	35.68 1.04 0.00	30.26 0.56 0.00	29.13 0.54 0.00	27.48 0.67 0.00	26.16 0.66 0.00	26.72 0.75 0.00	26.79 0.83 0.00	28.99 0.93 0.00	34.09 1.09 0.00	44.89 1.64 0.00	53.96 2.46 -0.25	59.28 3.05 -0.70	59.83 3.28 -0.97	50.68 2.53 -0.51	41.24 1.83 -0.39	33.68 1.54 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	28.11 0.36 0.00	21.59 0.28 0.00	20.18 0.18 -0.04	20.20 0.14 0.00	22.65 0.11 0.00	30.12 0.24 0.00	35.97 0.46 0.00	37.85 0.30 0.00	34.71 0.07 0.00	29.64 -0.06 0.00	28.50 -0.09 0.00	26.86 0.05 0.00	25.55 0.05 0.00	26.09 0.13 0.00	26.17 0.21 0.00	28.29 0.22 0.00	33.19 0.20 0.00	43.60 0.35 0.00	51.86 0.61 0.00	56.30 0.78 0.00	56.41 0.83 0.00	48.22 0.57 0.00	39.41 0.39 0.00	32.55 0.42 0.00
ETNA____115KV_TB2 80207	28.11 0.36 0.00	21.59 0.28 0.00	20.18 0.18 -0.04	20.20 0.14 0.00	22.65 0.11 0.00	30.12 0.24 0.00	35.97 0.46 0.00	37.85 0.30 0.00	34.71 0.07 0.00	29.64 -0.06 0.00	28.50 -0.09 0.00	26.86 0.05 0.00	25.55 0.05 0.00	26.09 0.13 0.00	26.17 0.21 0.00	28.29 0.22 0.00	33.19 0.20 0.00	43.60 0.35 0.00	51.86 0.61 0.00	56.30 0.78 0.00	56.41 0.83 0.00	48.22 0.57 0.00	39.41 0.39 0.00	32.55 0.42 0.00
EUCLID__115KV_TB2 356179	27.33 -0.42 0.00	21.00 -0.32 0.00	19.65 -0.32 -0.01	19.70 -0.36 0.00	22.10 -0.43 0.00	29.31 -0.57 0.00	34.91 -0.60 0.00	36.76 -0.79 0.00	33.87 -0.76 0.00	29.01 -0.68 0.00	27.96 -0.63 0.00	26.35 -0.46 0.00	25.09 -0.41 0.00	25.63 -0.34 0.00	25.65 -0.31 0.00	27.70 -0.36 0.00	32.44 -0.56 0.00	42.43 -0.82 0.00	50.32 -0.92 0.00	54.47 -1.05 0.00	54.58 -1.00 0.00	46.69 -0.95 0.00	38.28 -0.74 0.00	31.65 -0.48 0.00
E_CANADA_CAP_HY 24051	29.11 1.36 0.00	22.44 1.13 0.00	21.27 1.06 -0.26	21.06 1.00 0.00	23.59 1.06 0.00	31.37 1.49 0.00	37.25 1.70 -0.04	39.12 1.50 -0.06	35.43 0.80 0.00	29.91 0.21 0.00	28.84 0.26 0.00	27.08 0.27 0.00	25.83 0.36 0.02	26.39 0.44 0.02	26.38 0.47 0.05	28.70 0.65 0.00	33.82 0.83 0.00	44.55 1.30 0.00	54.00 2.41 -0.34	59.87 3.39 -0.96	60.68 3.78 -1.32	51.06 2.71 -0.70	41.66 2.11 -0.53	33.84 1.70 0.00
E_CANADA_MHWK_HY 24050	27.83 0.08 0.00	21.38 0.06 0.00	20.00 0.04 0.00	20.06 0.00 0.00	22.51 -0.02 0.00	29.88 0.00 0.00	35.55 0.04 0.00	37.55 0.00 0.00	34.64 0.00 0.00	29.64 -0.06 0.00	28.53 -0.06 0.00	26.81 0.00 0.00	25.50 0.00 0.00	25.99 0.03 0.00	26.01 0.05 0.00	28.09 0.03 0.00	33.00 0.00 0.00	43.25 0.00 0.00	51.30 0.05 0.00	55.58 0.06 0.00	55.69 0.11 0.00	47.69 0.05 0.00	39.02 0.00 0.00	32.20 0.06 0.00
E_FISHKILL__LBMP 23776	29.25 1.50 0.00	22.59 1.28 0.00	21.32 1.18 -0.18	21.20 1.14 0.00	23.68 1.15 0.00	31.28 1.40 0.00	37.25 1.74 0.00	39.69 2.14 0.00	36.78 2.15 0.00	31.63 1.93 0.00	30.53 1.94 0.00	28.84 2.04 0.00	28.05 2.09 -0.47	28.51 2.18 -0.37	29.06 2.21 -0.89	30.50 2.39 -0.05	35.44 2.44 0.00	45.97 2.72 0.00	54.06 2.82 0.00	58.63 3.11 0.00	58.64 3.06 0.00	50.12 2.48 0.00	41.09 2.07 0.00	33.93 1.80 0.00
FALCON__SEABRD_CC1 323796	27.89 0.14 0.00	21.29 -0.02 0.00	20.04 0.08 0.00	20.16 0.10 0.00	22.65 0.11 0.00	30.39 0.51 0.00	35.87 0.36 0.00	37.70 0.15 0.00	34.78 0.14 0.00	30.11 0.42 0.00	28.79 0.20 0.00	26.59 -0.22 0.00	25.06 -0.43 0.00	25.32 -0.65 0.00	25.26 -0.70 0.00	27.47 -0.59 0.00	32.83 -0.16 0.00	43.98 0.73 0.00	52.88 1.64 0.00	57.63 2.11 0.00	57.53 1.94 0.00	49.36 1.71 0.00	40.35 1.33 0.00	32.94 0.80 0.00
FALCON__SEABRD_CC2 323797	27.89 0.14 0.00	21.29 -0.02 0.00	20.04 0.08 0.00	20.16 0.10 0.00	22.65 0.11 0.00	30.39 0.51 0.00	35.87 0.36 0.00	37.70 0.15 0.00	34.78 0.14 0.00	30.11 0.42 0.00	28.79 0.20 0.00	26.59 -0.22 0.00	25.06 -0.43 0.00	25.32 -0.65 0.00	25.26 -0.70 0.00	27.47 -0.59 0.00	32.83 -0.16 0.00	43.98 0.73 0.00	52.88 1.64 0.00	57.63 2.11 0.00	57.53 1.94 0.00	49.36 1.71 0.00	40.35 1.33 0.00	32.94 0.80 0.00



FAR ROCKAWAY___4 23548	34.48 2.58 -4.15	23.46 2.13 -0.01	22.10 1.96 -0.19	22.00 1.93 -0.01	36.24 1.98 -11.73	49.44 2.54 -17.02	51.33 3.09 -12.73	51.92 3.60 -10.77	51.04 3.53 -12.87	46.40 3.21 -13.49	53.90 2.97 -22.34	54.30 3.06 -24.44	54.57 3.06 -26.01	54.52 3.19 -25.37	55.04 3.22 -25.86	56.19 3.45 -24.68	57.57 3.70 -20.88	69.07 4.32 -21.49	62.20 4.66 -6.29	65.15 5.11 -4.52	63.93 5.06 -3.30	65.02 4.19 -13.18	55.32 3.63 -12.67	54.71 3.12 -19.46
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	29.61 1.86 0.00	22.87 1.56 0.00	21.57 1.44 -0.18	21.44 1.38 0.00	23.91 1.37 0.00	31.58 1.70 0.00	37.64 2.13 0.00	40.22 2.67 0.00	37.30 2.67 0.00	32.16 2.46 0.00	31.04 2.46 0.00	29.38 2.57 0.00	28.60 2.65 -0.45	29.07 2.75 -0.36	29.60 2.78 -0.86	31.09 2.97 -0.05	36.06 3.07 0.00	46.71 3.46 0.00	54.78 3.54 0.00	59.41 3.89 0.00	59.36 3.78 0.00	50.79 3.14 0.00	41.63 2.61 0.00	34.38 2.25 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	29.61 1.86 0.00	22.87 1.56 0.00	21.57 1.44 -0.18	21.44 1.38 0.00	23.91 1.37 0.00	31.58 1.70 0.00	37.64 2.13 0.00	40.22 2.67 0.00	37.30 2.67 0.00	32.16 2.46 0.00	31.04 2.46 0.00	29.38 2.57 0.00	28.60 2.65 -0.45	29.07 2.75 -0.36	29.60 2.78 -0.86	31.09 2.97 -0.05	36.06 3.07 0.00	46.71 3.46 0.00	54.78 3.54 0.00	59.41 3.89 0.00	59.36 3.78 0.00	50.79 3.14 0.00	41.63 2.61 0.00	34.38 2.25 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	29.58 1.83 0.00	22.87 1.56 0.00	21.55 1.42 -0.18	21.42 1.36 0.00	23.91 1.37 0.00	31.58 1.70 0.00	37.64 2.13 0.00	40.18 2.63 0.00	37.30 2.67 0.00	32.16 2.46 0.00	31.04 2.46 0.00	29.35 2.55 0.00	28.57 2.63 -0.45	29.04 2.73 -0.36	29.58 2.75 -0.86	31.09 2.97 -0.05	36.06 3.07 0.00	46.67 3.42 0.00	54.73 3.48 0.00	59.36 3.83 0.00	59.30 3.72 0.00	50.74 3.10 0.00	41.59 2.58 0.00	34.35 2.22 0.00
FARRAGUT___LBMP 323566	29.58 1.83 0.00	22.85 1.53 0.00	21.55 1.42 -0.18	21.42 1.36 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.61 2.10 0.00	40.14 2.59 0.00	37.27 2.63 0.00	32.13 2.44 0.00	31.02 2.43 0.00	29.33 2.52 0.00	28.55 2.60 -0.45	29.02 2.70 -0.36	29.55 2.73 -0.86	31.06 2.95 -0.05	36.03 3.04 0.00	46.67 3.42 0.00	54.68 3.43 0.00	59.36 3.83 0.00	59.25 3.67 0.00	50.69 3.05 0.00	41.59 2.58 0.00	34.35 2.22 0.00
FENNER___WINDPWR 24204	28.08 0.33 0.00	21.59 0.28 0.00	20.18 0.20 -0.02	20.22 0.16 0.00	22.69 0.16 0.00	30.18 0.30 0.00	36.01 0.50 0.00	37.92 0.38 0.00	34.88 0.24 0.00	29.73 0.03 0.00	28.61 0.03 0.00	26.94 0.13 0.00	25.62 0.13 0.00	26.17 0.21 0.00	26.22 0.26 0.00	28.34 0.28 0.00	33.33 0.33 0.00	43.81 0.56 0.00	52.06 0.82 0.00	56.53 1.00 0.00	56.69 1.11 0.00	48.45 0.81 0.00	39.57 0.55 0.00	32.62 0.48 0.00
FIBERTEK___ENERGY 23856	27.53 -0.22 0.00	21.14 -0.17 0.00	19.77 -0.20 -0.02	19.84 -0.22 0.00	22.24 -0.29 0.00	29.52 -0.36 0.00	35.19 -0.32 0.00	37.02 -0.53 0.00	34.08 -0.55 0.00	29.22 -0.48 0.00	28.13 -0.46 0.00	26.51 -0.29 0.00	25.24 -0.25 0.00	25.78 -0.18 0.00	25.80 -0.16 0.00	27.89 -0.17 0.00	32.67 -0.33 0.00	42.82 -0.43 0.00	50.78 -0.46 0.00	54.97 -0.56 0.00	55.08 -0.50 0.00	47.07 -0.57 0.00	38.59 -0.43 0.00	31.88 -0.26 0.00
FITZPATRICK___ 23598	27.00 -0.75 0.00	20.74 -0.57 0.00	19.41 -0.56 -0.01	19.48 -0.58 0.00	21.86 -0.68 0.00	28.98 -0.90 0.00	34.48 -1.03 0.00	36.27 -1.28 0.00	33.46 -1.18 0.00	28.66 -1.04 0.00	27.58 -1.00 0.00	25.98 -0.83 0.00	24.73 -0.76 0.00	25.24 -0.73 0.00	25.26 -0.70 0.00	27.28 -0.79 0.00	31.94 -1.06 0.00	41.82 -1.43 0.00	49.55 -1.69 0.00	53.64 -1.89 0.00	53.75 -1.83 0.00	45.98 -1.67 0.00	37.73 -1.29 0.00	31.20 -0.93 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	29.36 1.61 0.00	22.68 1.36 0.00	21.39 1.26 -0.18	21.28 1.22 0.00	23.75 1.22 0.00	31.37 1.49 0.00	37.36 1.85 0.00	39.92 2.37 0.00	36.92 2.29 0.00	31.63 1.93 0.00	30.53 1.94 0.00	28.87 2.06 0.00	28.05 2.12 -0.44	28.54 2.23 -0.34	29.11 2.31 -0.84	30.58 2.47 -0.05	35.60 2.61 0.00	46.36 3.11 0.00	54.57 3.33 0.00	59.19 3.66 0.00	59.25 3.67 0.00	50.55 2.91 0.00	41.40 2.38 0.00	34.16 2.02 0.00
FORT ORANGE___ 23900	28.44 0.69 0.00	22.02 0.70 0.00	20.83 0.66 -0.22	20.70 0.64 0.00	23.12 0.58 0.00	30.54 0.66 0.00	35.85 0.67 0.33	37.74 0.75 0.56	35.23 0.59 0.00	30.14 0.45 0.00	29.07 0.49 0.00	27.29 0.48 0.00	26.07 0.59 0.02	26.60 0.65 0.01	26.58 0.65 0.03	28.84 0.78 0.00	33.72 0.73 0.00	43.68 0.43 0.00	48.72 0.66 3.18	47.47 0.83 8.89	44.30 0.94 12.22	41.77 0.62 6.50	34.83 0.74 4.93	32.90 0.77 0.00
FORT_DRUM_COGEN 23780	27.30 -0.44 0.00	21.00 -0.32 0.00	19.55 -0.42 -0.01	19.54 -0.52 0.00	21.97 -0.56 0.00	29.46 -0.42 0.00	35.23 -0.28 0.00	37.10 -0.45 0.00	33.77 -0.87 0.00	28.54 -1.16 0.00	27.33 -1.26 0.00	25.71 -1.10 0.00	24.40 -1.10 0.00	24.87 -1.09 0.00	24.95 -1.01 0.00	26.94 -1.12 0.00	31.91 -1.09 0.00	42.56 -0.69 0.00	51.24 0.00 0.00	56.08 0.56 0.00	56.25 0.67 0.00	48.12 0.48 0.00	38.94 -0.08 0.00	31.91 -0.22 0.00
FOX_HILLS___ESR 323835	29.81 2.05 -0.01	23.09 1.77 -0.01	21.78 1.64 -0.18	21.65 1.58 -0.01	24.12 1.58 -0.01	31.73 1.85 0.00	37.71 2.20 0.00	40.17 2.59 -0.03	37.20 2.53 -0.03	32.13 2.38 -0.06	31.04 2.40 -0.06	41.38 2.52 -12.05	46.94 2.63 -18.82	49.76 2.73 -21.07	55.63 2.75 -26.92	55.61 2.95 -24.60	53.78 3.04 -17.75	52.75 3.46 -6.04	54.52 3.28 0.00	59.13 3.61 0.00	59.03 3.45 0.00	50.63 2.95 -0.03	49.34 2.42 -7.90	34.34 2.19 -0.02
FPL_FAR_ROCK_GT1 24212	34.48 2.58 -4.15	23.46 2.13 -0.01	22.10 1.96 -0.19	22.00 1.93 -0.01	36.24 1.98 -11.73	49.44 2.54 -17.02	51.33 3.09 -12.73	51.92 3.61 -10.77	51.04 3.53 -12.87	46.40 3.21 -13.49	53.90 2.97 -22.34	54.30 3.05 -24.44	54.56 3.06 -26.01	54.52 3.19 -25.37	55.04 3.22 -25.86	56.19 3.45 -24.68	57.60 3.73 -20.88	69.07 4.32 -21.49	62.20 4.66 -6.29	65.21 5.16 -4.52	63.99 5.11 -3.30	65.02 4.19 -13.18	55.32 3.63 -12.67	54.71 3.12 -19.46
FPL_FAR_ROCK_GT2 23815	34.48 2.58 -4.15	23.46 2.13 -0.01	22.10 1.96 -0.19	22.00 1.93 -0.01	36.24 1.98 -11.73	49.44 2.54 -17.02	51.33 3.09 -12.73	51.92 3.61 -10.77	51.04 3.53 -12.87	46.40 3.21 -13.49	53.90 2.97 -22.34	54.30 3.05 -24.44	54.56 3.06 -26.01	54.52 3.19 -25.37	55.04 3.22 -25.86	56.19 3.45 -24.68	57.60 3.73 -20.88	69.07 4.32 -21.49	62.20 4.66 -6.29	65.21 5.16 -4.52	63.99 5.11 -3.30	65.02 4.19 -13.18	55.32 3.63 -12.67	54.71 3.12 -19.46
FRANKLIN_FALL_HYD 24054	27.64 -0.11 0.00	21.06 -0.26 0.00	19.84 -0.12 0.00	19.96 -0.10 0.00	22.38 -0.16 0.00	29.91 0.03 0.00	35.44 -0.07 0.00	37.40 -0.15 0.00	34.46 -0.17 0.00	29.79 0.09 0.00	28.44 -0.14 0.00	26.35 -0.46 0.00	24.91 -0.59 0.00	25.21 -0.75 0.00	25.13 -0.83 0.00	27.30 -0.76 0.00	32.60 -0.40 0.00	43.60 0.35 0.00	52.22 0.97 0.00	56.75 1.22 0.00	56.64 1.06 0.00	48.55 0.91 0.00	39.64 0.62 0.00	32.30 0.16 0.00



FREEPORT_EQUS_GT1 23764	33.83 2.30 -3.78	23.24 1.92 -0.01	21.92 1.78 -0.19	21.81 1.74 -0.01	35.04 1.82 -10.68	47.44 2.27 -15.29	49.68 2.73 -11.43	50.37 3.15 -9.67	49.31 3.12 -11.56	45.49 2.82 -12.97	51.31 2.66 -20.06	51.49 2.74 -21.95	51.68 2.78 -23.41	51.66 2.88 -22.82	52.18 2.91 -23.32	53.32 3.09 -22.17	54.98 3.24 -18.75	66.05 3.50 -19.30	60.63 3.74 -5.65	63.69 4.11 -4.06	62.60 4.06 -2.96	62.92 3.43 -11.84	53.48 3.08 -11.38	52.34 2.73 -17.47
FREEPORT___CT2 23818	33.83 2.30 -3.78	23.24 1.92 -0.01	21.92 1.78 -0.19	21.81 1.74 -0.01	35.04 1.82 -10.68	47.44 2.27 -15.29	49.68 2.73 -11.43	50.37 3.15 -9.67	49.31 3.12 -11.56	45.49 2.82 -12.97	51.31 2.66 -20.06	51.49 2.74 -21.95	51.68 2.78 -23.41	51.66 2.88 -22.82	52.18 2.91 -23.32	53.32 3.09 -22.17	54.98 3.24 -18.75	66.05 3.50 -19.30	60.63 3.74 -5.65	63.69 4.11 -4.06	62.60 4.06 -2.96	62.92 3.43 -11.84	53.48 3.08 -11.38	52.34 2.73 -17.47
FRESHKLS_33_KV_LOAD 356253	29.89 2.14 -0.01	23.16 1.83 -0.01	21.82 1.68 -0.18	21.71 1.64 -0.01	24.19 1.64 -0.01	31.79 1.91 0.00	37.75 2.24 0.00	40.17 2.59 -0.03	37.13 2.46 -0.03	32.03 2.29 -0.05	30.95 2.32 -0.05	37.08 2.44 -7.83	40.43 2.55 -12.38	42.42 2.65 -13.81	46.42 2.67 -17.79	46.92 2.86 -15.99	47.50 2.97 -11.53	50.51 3.33 -3.93	54.42 3.18 0.00	59.02 3.50 0.01	58.91 3.33 0.01	50.58 2.91 -0.03	46.46 2.30 -5.14	34.31 2.15 -0.02
FULTON COGEN____ 23766	27.11 -0.64 0.00	20.85 -0.47 0.00	19.49 -0.48 -0.01	19.56 -0.50 0.00	21.95 -0.59 0.00	29.10 -0.78 0.00	34.66 -0.85 0.00	36.46 -1.09 0.00	33.60 -1.04 0.00	28.78 -0.92 0.00	27.73 -0.86 0.00	26.11 -0.70 0.00	24.86 -0.64 0.00	25.39 -0.57 0.00	25.41 -0.55 0.00	27.44 -0.62 0.00	32.17 -0.82 0.00	42.13 -1.12 0.00	49.96 -1.28 0.00	54.08 -1.44 0.00	54.19 -1.39 0.00	46.36 -1.29 0.00	37.97 -1.05 0.00	31.40 -0.74 0.00
FULTON___LFGE 323630	29.27 1.53 0.00	22.55 1.24 0.00	21.36 1.16 -0.24	21.18 1.12 0.00	23.73 1.19 0.00	31.52 1.64 0.00	37.43 1.88 -0.04	39.39 1.77 -0.07	35.71 1.07 0.00	30.17 0.47 0.00	29.10 0.52 0.00	27.26 0.46 0.00	26.00 0.54 0.03	26.59 0.65 0.02	26.58 0.67 0.06	28.93 0.87 0.00	34.12 1.12 0.00	44.76 1.51 0.00	54.24 2.61 -0.38	60.19 3.61 -1.06	60.99 3.95 -1.46	51.28 2.86 -0.78	41.87 2.26 -0.59	33.97 1.83 0.00
G.F.CEMENT___DRP 24184	29.00 1.25 0.00	22.38 1.07 0.00	21.20 1.02 -0.22	21.02 0.96 0.00	23.52 0.99 0.00	31.19 1.31 0.00	37.39 1.56 -0.32	39.78 1.76 -0.47	35.88 1.25 0.00	30.35 0.65 0.00	29.27 0.69 0.00	27.32 0.51 0.00	26.08 0.61 0.03	26.66 0.73 0.03	26.65 0.75 0.06	29.10 1.04 0.00	34.35 1.35 0.00	43.86 0.61 0.00	54.92 1.08 -2.60	64.45 1.67 -7.26	67.45 1.89 -9.98	54.09 1.14 -5.30	44.02 0.98 -4.02	33.00 0.87 0.00
GARDENVILLE___LBMP 24039	26.39 -1.36 0.00	20.27 -1.04 0.00	18.73 -1.26 -0.03	18.82 -1.24 0.00	21.02 -1.51 0.00	27.82 -2.06 0.00	33.24 -2.27 0.00	34.92 -2.63 0.00	32.49 -2.15 0.00	27.62 -2.08 0.00	26.70 -1.89 0.00	25.55 -1.26 0.00	24.35 -1.15 0.00	25.05 -0.91 0.00	25.26 -0.70 0.00	26.94 -1.12 0.00	31.05 -1.95 0.00	40.44 -2.81 0.00	47.61 -3.64 0.00	51.97 -3.55 0.00	52.08 -3.50 0.00	44.60 -3.05 0.00	36.68 -2.34 0.00	30.62 -1.51 0.00
GARDNVLA_35_KV_LD 355827	26.50 -1.25 0.00	20.33 -0.98 0.00	18.79 -1.20 -0.03	18.88 -1.18 0.00	21.09 -1.44 0.00	27.94 -1.94 0.00	33.38 -2.13 0.00	35.07 -2.48 0.00	32.63 -2.01 0.00	27.74 -1.96 0.00	26.81 -1.77 0.00	25.68 -1.13 0.00	24.48 -1.02 0.00	25.16 -0.80 0.00	25.39 -0.57 0.00	27.08 -0.98 0.00	31.21 -1.78 0.00	40.65 -2.59 0.00	47.81 -3.43 0.00	52.19 -3.33 0.00	52.30 -3.28 0.00	44.79 -2.86 0.00	36.83 -2.19 0.00	30.75 -1.38 0.00
GELCKHM___115KV_LOAD 80723	27.39 -0.36 0.00	21.04 -0.28 0.00	19.69 -0.28 -0.02	19.74 -0.32 0.00	22.15 -0.38 0.00	29.37 -0.51 0.00	34.98 -0.53 0.00	36.84 -0.71 0.00	33.94 -0.69 0.00	29.07 -0.62 0.00	28.01 -0.57 0.00	26.41 -0.40 0.00	25.14 -0.36 0.00	25.68 -0.29 0.00	25.70 -0.26 0.00	27.78 -0.28 0.00	32.50 -0.49 0.00	42.56 -0.69 0.00	50.48 -0.77 0.00	54.64 -0.89 0.00	54.75 -0.83 0.00	46.83 -0.81 0.00	38.39 -0.62 0.00	31.72 -0.42 0.00
GENERAL___MILLS 23808	26.47 -1.28 0.00	20.31 -1.00 0.00	18.77 -1.22 -0.03	18.86 -1.20 0.00	21.07 -1.46 0.00	27.88 -2.00 0.00	33.31 -2.20 0.00	35.00 -2.55 0.00	32.56 -2.08 0.00	27.68 -2.02 0.00	26.76 -1.83 0.00	25.63 -1.18 0.00	24.42 -1.07 0.00	25.11 -0.86 0.00	25.31 -0.65 0.00	27.02 -1.04 0.00	31.15 -1.85 0.00	40.52 -2.72 0.00	47.71 -3.54 0.00	52.08 -3.44 0.00	52.19 -3.39 0.00	44.74 -2.91 0.00	36.80 -2.22 0.00	30.69 -1.45 0.00
GE_PLASTICS___DRP 24183	28.44 0.69 0.00	21.98 0.66 0.00	20.79 0.62 -0.22	20.66 0.60 0.00	23.10 0.56 0.00	30.51 0.63 0.00	35.96 0.67 0.23	37.91 0.75 0.39	35.30 0.66 0.00	30.23 0.53 0.00	29.16 0.57 0.00	27.37 0.56 0.00	26.10 0.64 0.03	26.64 0.70 0.03	26.62 0.73 0.06	28.87 0.81 0.00	33.79 0.79 0.00	43.81 0.56 0.00	49.70 0.67 2.21	50.19 0.83 6.17	47.92 0.83 8.49	43.75 0.62 4.51	36.30 0.70 3.42	32.84 0.71 0.00
GILBOA___1 23756	28.55 0.81 0.00	22.02 0.70 0.00	20.77 0.64 -0.17	20.68 0.62 0.00	23.14 0.61 0.00	30.60 0.72 0.00	36.36 0.85 0.00	38.45 0.90 0.00	35.50 0.87 0.00	30.44 0.74 0.00	29.36 0.77 0.00	27.64 0.83 0.00	26.30 0.89 0.08	26.86 0.96 0.07	26.78 0.99 0.16	29.12 1.07 0.01	34.05 1.06 0.00	44.25 1.00 0.00	52.32 1.08 0.00	56.64 1.11 0.00	56.75 1.17 0.00	48.60 0.95 0.00	39.88 0.86 0.00	32.97 0.83 0.00
GILBOA___2 23757	28.55 0.81 0.00	22.02 0.70 0.00	20.77 0.64 -0.17	20.68 0.62 0.00	23.14 0.61 0.00	30.60 0.72 0.00	36.36 0.85 0.00	38.45 0.90 0.00	35.50 0.87 0.00	30.44 0.74 0.00	29.36 0.77 0.00	27.64 0.83 0.00	26.30 0.89 0.08	26.86 0.96 0.07	26.78 0.99 0.16	29.12 1.07 0.01	34.05 1.06 0.00	44.25 1.00 0.00	52.32 1.08 0.00	56.64 1.11 0.00	56.75 1.17 0.00	48.60 0.95 0.00	39.88 0.86 0.00	32.97 0.83 0.00
GILBOA___3 23758	28.55 0.81 0.00	22.02 0.70 0.00	20.77 0.64 -0.17	20.68 0.62 0.00	23.14 0.61 0.00	30.60 0.72 0.00	36.36 0.85 0.00	38.45 0.90 0.00	35.50 0.87 0.00	30.44 0.74 0.00	29.36 0.77 0.00	27.64 0.83 0.00	26.30 0.89 0.08	26.86 0.96 0.07	26.78 0.99 0.16	29.12 1.07 0.01	34.05 1.06 0.00	44.25 1.00 0.00	52.32 1.08 0.00	56.64 1.11 0.00	56.75 1.17 0.00	48.60 0.95 0.00	39.88 0.86 0.00	32.97 0.83 0.00
GILBOA___4 23759	28.55 0.81 0.00	22.02 0.70 0.00	20.77 0.64 -0.17	20.68 0.62 0.00	23.14 0.61 0.00	30.60 0.72 0.00	36.36 0.85 0.00	38.45 0.90 0.00	35.50 0.87 0.00	30.44 0.74 0.00	29.36 0.77 0.00	27.64 0.83 0.00	26.30 0.89 0.08	26.86 0.96 0.07	26.78 0.99 0.16	29.12 1.07 0.01	34.05 1.06 0.00	44.25 1.00 0.00	52.32 1.08 0.00	56.64 1.11 0.00	56.75 1.17 0.00	48.60 0.95 0.00	39.88 0.86 0.00	32.97 0.83 0.00



GILBOA____ 23599	28.55 0.80 0.00	22.02 0.70 0.00	20.77 0.64 -0.17	20.68 0.62 0.00	23.14 0.61 0.00	30.60 0.72 0.00	36.36 0.85 0.00	38.45 0.90 0.00	35.50 0.87 0.00	30.44 0.74 0.00	29.36 0.77 0.00	27.64 0.83 0.00	26.30 0.89 0.08	26.86 0.96 0.07	26.78 0.99 0.16	29.12 1.07 0.01	34.05 1.06 0.00	44.24 0.99 0.00	52.32 1.08 0.00	56.64 1.11 0.00	56.69 1.11 0.00	48.65 1.00 0.00	39.88 0.86 0.00	32.97 0.84 0.00
GINNA____ 23603	25.61 -2.14 0.00	19.67 -1.64 0.00	18.40 -1.58 -0.02	18.45 -1.61 0.00	20.71 -1.82 0.00	27.46 -2.42 0.00	32.64 -2.88 0.00	34.54 -3.01 0.00	31.90 -2.74 0.00	27.11 -2.58 0.00	26.21 -2.37 0.00	24.85 -1.96 0.00	23.64 -1.86 0.00	24.28 -1.69 0.00	24.32 -1.63 0.00	26.10 -1.97 0.00	30.46 -2.54 0.00	39.83 -3.42 0.00	47.14 -4.10 0.00	51.30 -4.22 0.00	51.53 -4.06 0.00	44.02 -3.62 0.00	36.05 -2.97 0.00	29.85 -2.28 0.00
GLEN PARK____ 23778	27.36 -0.39 0.00	21.04 -0.28 0.00	19.61 -0.36 -0.01	19.60 -0.46 0.00	22.02 -0.52 0.00	29.55 -0.33 0.00	35.37 -0.14 0.00	37.21 -0.34 0.00	33.81 -0.83 0.00	28.54 -1.16 0.00	27.30 -1.29 0.00	25.68 -1.12 0.00	24.40 -1.10 0.00	24.87 -1.09 0.00	24.95 -1.01 0.00	26.94 -1.12 0.00	31.94 -1.06 0.00	42.64 -0.61 0.00	51.40 0.15 0.00	56.25 0.72 0.00	56.47 0.89 0.00	48.31 0.67 0.00	39.06 0.04 0.00	32.01 -0.13 0.00
GLENDALE_27_KV_LOAD 356172	29.72 1.97 0.00	23.00 1.68 0.00	21.67 1.54 -0.18	21.54 1.48 0.00	24.02 1.49 0.00	31.64 1.76 0.00	37.68 2.17 0.00	40.25 2.70 0.00	37.37 2.74 0.00	32.31 2.61 0.00	31.19 2.60 0.00	29.52 2.71 0.00	28.75 2.80 -0.45	29.23 2.91 -0.36	29.76 2.93 -0.86	31.26 3.14 -0.05	36.26 3.27 0.00	46.93 3.68 0.00	54.88 3.64 0.00	59.52 4.00 0.00	59.42 3.84 0.00	50.84 3.19 0.00	41.67 2.65 0.00	34.42 2.28 0.00
GLENWOOD_IC_1_G5 23712	34.20 2.11 -4.34	23.10 1.77 -0.01	21.76 1.62 -0.19	21.68 1.60 -0.01	36.45 1.64 -12.27	49.67 2.09 -17.69	51.30 2.56 -13.23	51.74 3.00 -11.19	50.99 2.98 -13.37	43.93 2.70 -11.53	54.40 2.60 -23.22	54.91 2.71 -25.40	55.27 2.75 -27.02	55.17 2.86 -26.35	55.69 2.88 -26.85	56.77 3.06 -25.65	57.80 3.10 -21.70	69.09 3.50 -22.34	61.47 3.69 -6.54	64.27 4.05 -4.69	62.95 3.95 -3.42	64.59 3.24 -13.70	55.16 2.97 -13.17	54.93 2.57 -20.22
GLENWOOD_IC_2_G1 23688	29.84 1.86 -0.24	22.89 1.58 0.00	21.59 1.46 -0.18	21.49 1.42 0.00	24.64 1.44 -0.66	32.64 1.79 -0.96	38.43 2.20 -0.72	40.83 2.67 -0.61	38.03 2.67 -0.73	32.12 2.44 0.02	32.25 2.40 -1.27	30.69 2.49 -1.38	29.94 2.55 -1.90	30.39 2.65 -1.77	30.92 2.67 -2.28	32.37 2.86 -1.45	37.18 3.00 -1.18	47.80 3.33 -1.22	55.09 3.49 -0.36	59.61 3.83 -0.26	59.55 3.78 -0.19	51.44 3.05 -0.75	42.35 2.61 -0.72	35.52 2.28 -1.10
GLENWOOD_IC_3_G1 23689	29.84 1.86 -0.24	22.89 1.58 0.00	21.59 1.46 -0.18	21.49 1.42 0.00	24.64 1.44 -0.66	32.64 1.79 -0.96	38.43 2.20 -0.72	40.83 2.67 -0.61	38.03 2.67 -0.73	32.12 2.44 0.02	32.25 2.40 -1.27	30.69 2.49 -1.38	29.94 2.55 -1.90	30.39 2.65 -1.77	30.92 2.67 -2.28	32.37 2.86 -1.45	37.18 3.00 -1.18	47.80 3.33 -1.22	55.09 3.49 -0.36	59.61 3.83 -0.26	59.55 3.78 -0.19	51.44 3.05 -0.75	42.35 2.61 -0.72	35.52 2.28 -1.10
GLENWOOD___4 23550	34.20 2.11 -4.34	23.10 1.77 -0.01	21.76 1.62 -0.19	21.68 1.60 -0.01	36.45 1.64 -12.27	49.67 2.09 -17.69	51.30 2.56 -13.23	51.74 3.00 -11.19	50.99 2.98 -13.37	43.93 2.70 -11.53	54.40 2.60 -23.22	54.91 2.71 -25.40	55.27 2.75 -27.02	55.17 2.86 -26.35	55.69 2.88 -26.85	56.77 3.06 -25.65	57.83 3.13 -21.70	69.13 3.55 -22.34	61.52 3.74 -6.54	64.33 4.11 -4.69	63.06 4.06 -3.42	64.68 3.34 -13.70	55.16 2.97 -13.17	54.93 2.57 -20.22
GLENWOOD___5 23614	34.20 2.11 -4.34	23.10 1.77 -0.01	21.76 1.62 -0.19	21.68 1.60 -0.01	36.45 1.64 -12.27	49.67 2.09 -17.69	51.30 2.56 -13.23	51.74 3.00 -11.19	50.99 2.98 -13.37	43.93 2.70 -11.53	54.40 2.60 -23.22	54.91 2.71 -25.40	55.27 2.75 -27.02	55.17 2.86 -26.35	55.69 2.88 -26.85	56.77 3.06 -25.65	57.83 3.13 -21.70	69.13 3.55 -22.34	61.52 3.74 -6.54	64.33 4.11 -4.69	63.06 4.06 -3.42	64.68 3.34 -13.70	55.16 2.97 -13.17	54.93 2.57 -20.22
GLOBAL GREEN_PORT_GT1 23814	34.44 3.38 -3.30	24.14 2.81 -0.01	22.80 2.65 -0.18	22.72 2.65 -0.01	34.75 2.86 -9.35	46.73 3.70 -13.15	49.76 4.40 -9.84	55.60 4.92 -13.13	49.29 4.71 -9.94	47.18 3.95 -13.53	49.33 3.49 -17.25	49.00 3.32 -18.87	48.87 3.19 -20.19	48.80 3.17 -19.67	49.22 3.09 -20.17	50.45 3.31 -19.07	52.88 3.76 -16.13	76.63 4.50 -28.88	139.60 4.82 -83.54	133.74 5.28 -72.94	135.87 5.22 -75.07	77.38 4.19 -25.54	53.59 3.67 -10.91	50.53 3.37 -15.03
GLOBE___DSASP 323697	25.64 -2.11 0.00	19.76 -1.56 0.00	18.37 -1.62 -0.03	18.40 -1.66 0.00	20.55 -1.98 0.00	27.01 -2.87 0.00	32.14 -3.37 0.00	33.76 -3.79 0.00	31.45 -3.19 0.00	26.73 -2.97 0.00	25.76 -2.83 0.00	24.69 -2.12 0.00	23.51 -1.99 0.00	24.17 -1.79 0.00	24.35 -1.61 0.00	25.90 -2.16 0.00	29.83 -3.17 0.00	38.58 -4.67 0.00	45.56 -5.69 0.00	49.75 -5.77 0.00	49.97 -5.61 0.00	42.98 -4.67 0.00	35.47 -3.55 0.00	29.69 -2.44 0.00
GOETHSLN___LBMP 323567	29.44 1.69 0.00	22.74 1.43 0.00	21.45 1.32 -0.18	21.32 1.26 0.00	23.79 1.26 0.00	31.43 1.55 0.00	37.46 1.95 0.00	40.02 2.48 0.00	37.16 2.53 0.00	32.07 2.38 0.01	30.95 2.37 0.01	28.08 2.47 1.20	26.70 2.58 1.37	26.91 2.65 1.70	26.93 2.70 1.72	28.57 2.89 2.39	34.17 2.94 1.76	45.89 3.24 0.60	54.52 3.28 0.00	59.13 3.61 0.00	59.08 3.50 0.00	50.55 2.91 0.00	40.69 2.46 0.78	34.22 2.09 0.00
GOLAH___69_KV_TB 1_2 80279	26.69 -1.05 0.00	20.48 -0.83 0.00	19.14 -0.84 -0.02	19.20 -0.86 0.00	21.52 -1.01 0.00	28.57 -1.31 0.00	33.98 -1.53 0.00	35.86 -1.69 0.00	33.11 -1.52 0.00	28.09 -1.60 0.00	27.10 -1.49 0.00	25.71 -1.10 0.00	24.48 -1.02 0.00	25.13 -0.83 0.00	25.23 -0.73 0.00	26.99 -1.07 0.00	31.41 -1.58 0.00	40.91 -2.34 0.00	48.63 -2.61 0.00	53.03 -2.50 0.00	53.30 -2.28 0.00	45.60 -2.05 0.00	37.42 -1.60 0.00	31.14 -1.00 0.00
GOODYEAR_LAKE_HYD 323669	28.77 1.03 0.00	22.17 0.85 0.00	20.77 0.76 -0.05	20.76 0.70 0.00	23.28 0.74 0.00	30.93 1.05 0.00	36.90 1.38 0.00	38.94 1.39 0.00	35.78 1.14 0.00	30.47 0.77 0.00	29.36 0.77 0.00	27.72 0.91 0.00	26.39 0.89 0.00	26.92 0.96 0.00	27.02 1.06 0.00	29.18 1.12 0.00	34.22 1.22 0.00	44.94 1.69 0.00	53.35 2.10 0.00	57.91 2.39 0.00	58.08 2.50 0.00	49.65 2.00 0.00	40.50 1.48 0.00	33.39 1.25 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	27.86 0.11 0.00	21.42 0.11 0.00	20.00 -0.02 -0.06	20.04 -0.02 0.00	22.44 -0.09 0.00	29.76 -0.12 0.00	35.47 -0.04 0.00	37.40 -0.15 0.00	34.50 -0.14 0.00	29.52 -0.18 0.00	28.41 -0.17 0.00	26.86 0.05 0.00	25.62 0.10 -0.02	26.19 0.21 -0.01	26.28 0.29 -0.03	28.32 0.25 0.00	33.06 0.07 0.00	43.21 -0.04 0.00	51.19 -0.05 0.00	55.58 0.06 0.00	55.69 0.11 0.00	47.64 0.00 0.00	38.98 -0.04 0.00	32.26 0.13 0.00



GOUDEY___7 23579	27.86 0.11 0.00	21.42 0.11 0.00	20.00 -0.02 -0.06	20.04 -0.02 0.00	22.44 -0.09 0.00	29.76 -0.12 0.00	35.47 -0.04 0.00	37.40 -0.15 0.00	34.50 -0.14 0.00	29.52 -0.18 0.00	28.41 -0.17 0.00	26.86 0.05 0.00	25.62 0.10 -0.02	26.19 0.21 -0.01	26.28 0.29 -0.03	28.32 0.25 0.00	33.06 0.07 0.00	43.21 -0.04 0.00	51.19 -0.05 0.00	55.58 0.06 0.00	55.69 0.11 0.00	47.64 0.00 0.00	38.98 -0.04 0.00	32.26 0.13 0.00
GOUDEY___8 23580	27.86 0.11 0.00	21.42 0.11 0.00	20.00 -0.02 -0.06	20.04 -0.02 0.00	22.44 -0.09 0.00	29.76 -0.12 0.00	35.47 -0.04 0.00	37.40 -0.15 0.00	34.50 -0.14 0.00	29.52 -0.18 0.00	28.41 -0.17 0.00	26.86 0.05 0.00	25.62 0.10 -0.02	26.19 0.21 -0.01	26.28 0.29 -0.03	28.32 0.25 0.00	33.06 0.07 0.00	43.21 -0.04 0.00	51.19 -0.05 0.00	55.58 0.06 0.00	55.69 0.11 0.00	47.64 0.00 0.00	38.98 -0.04 0.00	32.26 0.13 0.00
GOWANUS_GT1_1 24077	29.78 2.03 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.10 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.48 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.91 3.17 -17.75	52.88 3.59 -6.04	54.73 3.48 0.00	59.30 3.78 0.00	59.19 3.61 0.00	50.77 3.10 -0.03	49.49 2.58 -7.90	34.37 2.22 -0.02
GOWANUS_GT1_2 24078	29.78 2.03 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.10 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.48 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.91 3.17 -17.75	52.88 3.59 -6.04	54.73 3.48 0.00	59.30 3.78 0.00	59.19 3.61 0.00	50.77 3.10 -0.03	49.49 2.58 -7.90	34.37 2.22 -0.02
GOWANUS_GT1_3 24079	29.78 2.03 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.10 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.48 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.91 3.17 -17.75	52.88 3.59 -6.04	54.73 3.48 0.00	59.30 3.78 0.00	59.19 3.61 0.00	50.77 3.10 -0.03	49.49 2.58 -7.90	34.37 2.22 -0.02
GOWANUS_GT1_4 24080	29.78 2.03 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.10 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.48 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.91 3.17 -17.75	52.88 3.59 -6.04	54.73 3.48 0.00	59.30 3.78 0.00	59.19 3.61 0.00	50.77 3.10 -0.03	49.49 2.58 -7.90	34.37 2.22 -0.02
GOWANUS_GT1_5 24084	29.78 2.03 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.10 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.48 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.91 3.17 -17.75	52.88 3.59 -6.04	54.73 3.48 0.00	59.30 3.78 0.00	59.19 3.61 0.00	50.77 3.10 -0.03	49.49 2.58 -7.90	34.37 2.22 -0.02
GOWANUS_GT1_6 24111	29.78 2.03 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.10 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.48 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.91 3.17 -17.75	52.88 3.59 -6.04	54.73 3.48 0.00	59.30 3.78 0.00	59.19 3.61 0.00	50.77 3.10 -0.03	49.49 2.58 -7.90	34.37 2.22 -0.02
GOWANUS_GT1_7 24112	29.78 2.03 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.10 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.48 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.91 3.17 -17.75	52.88 3.59 -6.04	54.73 3.48 0.00	59.30 3.78 0.00	59.19 3.61 0.00	50.77 3.10 -0.03	49.49 2.58 -7.90	34.37 2.22 -0.02
GOWANUS_GT1_8 24113	29.78 2.03 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.10 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.48 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.91 3.17 -17.75	52.88 3.59 -6.04	54.73 3.48 0.00	59.30 3.78 0.00	59.19 3.61 0.00	50.77 3.10 -0.03	49.49 2.58 -7.90	34.37 2.22 -0.02
GOWANUS_GT2_1 24114	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
GOWANUS_GT2_2 24115	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
GOWANUS_GT2_3 24116	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
GOWANUS_GT2_4 24117	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
GOWANUS_GT2_5 24118	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02



GOWANUS_GT2_6 24119	29.81	23.07	21.74	21.61	24.09	31.67	37.68	40.21	37.30	32.25	31.16	41.49	47.04	49.86	55.74	55.72	53.98	52.88	54.73	59.30	59.25	50.73	49.45	34.37
	2.05	1.75	1.60	1.54	1.55	1.79	2.17	2.63	2.63	2.49	2.52	2.63	2.73	2.83	2.86	3.06	3.24	3.59	3.49	3.78	3.67	3.05	2.53	2.22
	-0.01	-0.01	-0.18	-0.01	-0.01	0.00	0.00	-0.03	-0.03	-0.06	-0.06	-12.05	-18.82	-21.07	-26.92	-24.60	-17.75	-6.04	0.00	0.00	0.00	-0.03	-7.90	-0.02
GOWANUS_GT2_7 24120	29.81	23.07	21.74	21.61	24.09	31.67	37.68	40.21	37.30	32.25	31.16	41.49	47.04	49.86	55.74	55.72	53.98	52.88	54.73	59.30	59.25	50.73	49.45	34.37
	2.05	1.75	1.60	1.54	1.55	1.79	2.17	2.63	2.63	2.49	2.52	2.63	2.73	2.83	2.86	3.06	3.24	3.59	3.49	3.78	3.67	3.05	2.53	2.22
	-0.01	-0.01	-0.18	-0.01	-0.01	0.00	0.00	-0.03	-0.03	-0.06	-0.06	-12.05	-18.82	-21.07	-26.92	-24.60	-17.75	-6.04	0.00	0.00	0.00	-0.03	-7.90	-0.02
GOWANUS_GT2_8 24121	29.81	23.07	21.74	21.61	24.09	31.67	37.68	40.21	37.30	32.25	31.16	41.49	47.04	49.86	55.74	55.72	53.98	52.88	54.73	59.30	59.25	50.73	49.45	34.37
	2.05	1.75	1.60	1.54	1.55	1.79	2.17	2.63	2.63	2.49	2.52	2.63	2.73	2.83	2.86	3.06	3.24	3.59	3.49	3.78	3.67	3.05	2.53	2.22
	-0.01	-0.01	-0.18	-0.01	-0.01	0.00	0.00	-0.03	-0.03	-0.06	-0.06	-12.05	-18.82	-21.07	-26.92	-24.60	-17.75	-6.04	0.00	0.00	0.00	-0.03	-7.90	-0.02
GOWANUS_GT3_1 24122	29.81	23.07	21.74	21.61	24.09	31.67	37.68	40.21	37.30	32.25	31.16	41.49	47.04	49.86	55.74	55.72	53.98	52.88	54.73	59.30	59.25	50.73	49.45	34.37
	2.05	1.75	1.60	1.54	1.55	1.79	2.17	2.63	2.63	2.49	2.52	2.63	2.73	2.83	2.86	3.06	3.24	3.59	3.49	3.78	3.67	3.05	2.53	2.22
	-0.01	-0.01	-0.18	-0.01	-0.01	0.00	0.00	-0.03	-0.03	-0.06	-0.06	-12.05	-18.82	-21.07	-26.92	-24.60	-17.75	-6.04	0.00	0.00	0.00	-0.03	-7.90	-0.02
GOWANUS_GT3_2 24123	29.81	23.07	21.74	21.61	24.09	31.67	37.68	40.21	37.30	32.25	31.16	41.49	47.04	49.86	55.74	55.72	53.98	52.88	54.73	59.30	59.25	50.73	49.45	34.37
	2.05	1.75	1.60	1.54	1.55	1.79	2.17	2.63	2.63	2.49	2.52	2.63	2.73	2.83	2.86	3.06	3.24	3.59	3.49	3.78	3.67	3.05	2.53	2.22
	-0.01	-0.01	-0.18	-0.01	-0.01	0.00	0.00	-0.03	-0.03	-0.06	-0.06	-12.05	-18.82	-21.07	-26.92	-24.60	-17.75	-6.04	0.00	0.00	0.00	-0.03	-7.90	-0.02
GOWANUS_GT3_3 24124	29.81	23.07	21.74	21.61	24.09	31.67	37.68	40.21	37.30	32.25	31.16	41.49	47.04	49.86	55.74	55.72	53.98	52.88	54.73	59.30	59.25	50.73	49.45	34.37
	2.05	1.75	1.60	1.54	1.55	1.79	2.17	2.63	2.63	2.49	2.52	2.63	2.73	2.83	2.86	3.06	3.24	3.59	3.49	3.78	3.67	3.05	2.53	2.22
	-0.01	-0.01	-0.18	-0.01	-0.01	0.00	0.00	-0.03	-0.03	-0.06	-0.06	-12.05	-18.82	-21.07	-26.92	-24.60	-17.75	-6.04	0.00	0.00	0.00	-0.03	-7.90	-0.02
GOWANUS_GT3_4 24125	29.81	23.07	21.74	21.61	24.09	31.67	37.68	40.21	37.30	32.25	31.16	41.49	47.04	49.86	55.74	55.72	53.98	52.88	54.73	59.30	59.25	50.73	49.45	34.37
	2.05	1.75	1.60	1.54	1.55	1.79	2.17	2.63	2.63	2.49	2.52	2.63	2.73	2.83	2.86	3.06	3.24	3.59	3.49	3.78	3.67	3.05	2.53	2.22
	-0.01	-0.01	-0.18	-0.01	-0.01	0.00	0.00	-0.03	-0.03	-0.06	-0.06	-12.05	-18.82	-21.07	-26.92	-24.60	-17.75	-6.04	0.00	0.00	0.00	-0.03	-7.90	-0.02
GOWANUS_GT3_5 24126	29.81	23.07	21.74	21.61	24.09	31.67	37.68	40.21	37.30	32.25	31.16	41.49	47.04	49.86	55.74	55.72	53.98	52.88	54.73	59.30	59.25	50.73	49.45	34.37
	2.05	1.75	1.60	1.54	1.55	1.79	2.17	2.63	2.63	2.49	2.52	2.63	2.73	2.83	2.86	3.06	3.24	3.59	3.49	3.78	3.67	3.05	2.53	2.22
	-0.01	-0.01	-0.18	-0.01	-0.01	0.00	0.00	-0.03	-0.03	-0.06	-0.06	-12.05	-18.82	-21.07	-26.92	-24.60	-17.75	-6.04	0.00	0.00	0.00	-0.03	-7.90	-0.02
GOWANUS_GT3_6 24127	29.81	23.07	21.74	21.61	24.09	31.67	37.68	40.21	37.30	32.25	31.16	41.49	47.04	49.86	55.74	55.72	53.98	52.88	54.73	59.30	59.25	50.73	49.45	34.37
	2.05	1.75	1.60	1.54	1.55	1.79	2.17	2.63	2.63	2.49	2.52	2.63	2.73	2.83	2.86	3.06	3.24	3.59	3.49	3.78	3.67	3.05	2.53	2.22
	-0.01	-0.01	-0.18	-0.01	-0.01	0.00	0.00	-0.03	-0.03	-0.06	-0.06	-12.05	-18.82	-21.07	-26.92	-24.60	-17.75	-6.04	0.00	0.00	0.00	-0.03	-7.90	-0.02
GOWANUS_GT3_7 24128	29.81	23.07	21.74	21.61	24.09	31.67	37.68	40.21	37.30	32.25	31.16	41.49	47.04	49.86	55.74	55.72	53.98	52.88	54.73	59.30	59.25	50.73	49.45	34.37
	2.05	1.75	1.60	1.54	1.55	1.79	2.17	2.63	2.63	2.49	2.52	2.63	2.73	2.83	2.86	3.06	3.24	3.59	3.49	3.78	3.67	3.05	2.53	2.22
	-0.01	-0.01	-0.18	-0.01	-0.01	0.00	0.00	-0.03	-0.03	-0.06	-0.06	-12.05	-18.82	-21.07	-26.92	-24.60	-17.75	-6.04	0.00	0.00	0.00	-0.03	-7.90	-0.02
GOWANUS_GT3_8 24129	29.81	23.07	21.74	21.61	24.09	31.67	37.68	40.21	37.30	32.25	31.16	41.49	47.04	49.86	55.74	55.72	53.98	52.88	54.73	59.30	59.25	50.73	49.45	34.37
	2.05	1.75	1.60	1.54	1.55	1.79	2.17	2.63	2.63	2.49	2.52	2.63	2.73	2.83	2.86	3.06	3.24	3.59	3.49	3.78	3.67	3.05	2.53	2.22
	-0.01	-0.01	-0.18	-0.01	-0.01	0.00	0.00	-0.03	-0.03	-0.06	-0.06	-12.05	-18.82	-21.07	-26.92	-24.60	-17.75	-6.04	0.00	0.00	0.00	-0.03	-7.90	-0.02
GOWANUS_GT4_1 24130	29.78	23.07	21.74	21.61	24.10	31.67	37.68	40.21	37.30	32.25	31.16	41.48	47.04	49.86	55.74	55.72	53.91	52.88	54.73	59.30	59.19	50.77	49.49	34.37
	2.03	1.75	1.60	1.54	1.55	1.79	2.17	2.63	2.63	2.49	2.52	2.63	2.73	2.83	2.86	3.06	3.17	3.59	3.48	3.78	3.61	3.10	2.58	2.22
	-0.01	-0.01	-0.18	-0.01	-0.01	0.00	0.00	-0.03	-0.03	-0.06	-0.06	-12.05	-18.82	-21.07	-26.92	-24.60	-17.75	-6.04	0.00	0.00	0.00	-0.03	-7.90	-0.02
GOWANUS_GT4_2 24131	29.78	23.07	21.74	21.61	24.10	31.67	37.68	40.21	37.30	32.25	31.16	41.48	47.04	49.86	55.74	55.72	53.91	52.88	54.73	59.30	59.19	50.77	49.49	34.37
	2.03	1.75	1.60	1.54	1.55	1.79	2.17	2.63	2.63	2.49	2.52	2.63	2.73	2.83	2.86	3.06	3.17	3.59	3.48	3.78	3.61	3.10	2.58	2.22
	-0.01	-0.01	-0.18	-0.01	-0.01	0.00	0.00	-0.03	-0.03	-0.06	-0.06	-12.05	-18.82	-21.07	-26.92	-24.60	-17.75	-6.04	0.00	0.00	0.00	-0.03	-7.90	-0.02
GOWANUS_GT4_3 24132	29.78	23.07	21.74	21.61	24.10	31.67	37.68	40.21	37.30	32.25	31.16	41.48	47.04	49.86	55.74	55.72	53.91	52.88	54.73	59.30	59.19	50.77	49.49	34.37
	2.03	1.75	1.60	1.54	1.55	1.79	2.17	2.63	2.63	2.49	2.52	2.63	2.73	2.83	2.86	3.06	3.17	3.59	3.48	3.78	3.61	3.10	2.58	2.22
	-0.01	-0.01	-0.18	-0.01	-0.01	0.00	0.00	-0.03	-0.03	-0.06	-0.06	-12.05	-18.82	-21.07	-26.92	-24.60	-17.75	-6.04	0.00	0.00	0.00	-0.03	-7.90	-0.02
GOWANUS_GT4_4 24133	29.78	23.07	21.74	21.61	24.10	31.67	37.68	40.21	37.30	32.25	31.16	41.48	47.04	49.86	55.74	55.72	53.91	52.88	54.73	59.30	59.19	50.77	49.49	34.37
	2.03	1.75	1.60	1.54	1.55	1.79	2.17	2.63	2.63	2.49	2.52	2.63	2.73	2.83	2.86	3.06	3.17	3.59	3.48	3.78	3.61	3.10	2.58	2.22
	-0.01	-0.01	-0.18	-0.01	-0.01	0.00	0.00	-0.03	-0.03	-0.06	-0.06	-12.05	-18.82	-21.07	-26.92	-24.60	-17.75	-6.04	0.00	0.00	0.00	-0.03	-7.90	-0.02



GOWANUS_GT4_5 24134	29.78 2.03 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.10 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.48 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.91 3.17 -17.75	52.88 3.59 -6.04	54.73 3.48 0.00	59.30 3.78 0.00	59.19 3.61 0.00	50.77 3.10 -0.03	49.49 2.58 -7.90	34.37 2.22 -0.02
GOWANUS_GT4_6 24135	29.78 2.03 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.10 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.48 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.91 3.17 -17.75	52.88 3.59 -6.04	54.73 3.48 0.00	59.30 3.78 0.00	59.19 3.61 0.00	50.77 3.10 -0.03	49.49 2.58 -7.90	34.37 2.22 -0.02
GOWANUS_GT4_7 24136	29.78 2.03 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.10 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.48 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.91 3.17 -17.75	52.88 3.59 -6.04	54.73 3.48 0.00	59.30 3.78 0.00	59.19 3.61 0.00	50.77 3.10 -0.03	49.49 2.58 -7.90	34.37 2.22 -0.02
GOWANUS_GT4_8 24137	29.78 2.03 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.10 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.48 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.91 3.17 -17.75	52.88 3.59 -6.04	54.73 3.48 0.00	59.30 3.78 0.00	59.19 3.61 0.00	50.77 3.10 -0.03	49.49 2.58 -7.90	34.37 2.22 -0.02
GREATVR_69_KV_BK1 356245	34.01 2.91 -3.34	23.71 2.39 -0.01	22.36 2.22 -0.18	22.23 2.17 -0.01	34.27 2.28 -9.46	46.13 2.93 -13.32	48.89 3.41 -9.97	52.66 3.79 -11.31	48.48 3.78 -10.07	46.48 3.30 -13.48	49.16 3.09 -17.48	49.07 3.14 -19.12	49.09 3.14 -20.45	49.14 3.25 -19.93	49.63 3.24 -20.43	50.84 3.45 -19.33	53.03 3.70 -16.34	71.71 4.28 -24.18	107.87 4.56 -52.06	105.72 5.05 -45.14	106.56 4.95 -46.03	71.36 4.19 -19.52	53.36 3.75 -10.59	50.70 3.34 -15.23
GREENBSH_115KV_TB3 55895	28.36 0.61 0.00	21.95 0.64 0.00	20.78 0.60 -0.22	20.62 0.56 0.00	23.05 0.52 0.00	30.42 0.54 0.00	35.70 0.53 0.35	37.59 0.64 0.59	35.19 0.55 0.00	30.14 0.45 0.00	29.07 0.49 0.00	27.26 0.46 0.00	26.03 0.56 0.02	26.57 0.62 0.02	26.53 0.62 0.05	28.79 0.73 0.00	33.69 0.69 0.00	43.55 0.30 0.00	48.30 0.41 3.35	46.72 0.56 9.36	43.26 0.38 12.87	41.19 0.55 6.84	34.38 0.00 5.19	32.75 0.61 0.00
GREENDGE_115KV_TB5 80291	27.47 -0.28 0.00	21.04 -0.28 0.00	19.61 -0.38 -0.04	19.66 -0.40 0.00	22.04 -0.50 0.00	29.34 -0.54 0.00	35.08 -0.43 0.00	36.91 -0.64 0.00	33.94 -0.69 0.00	28.96 -0.74 0.00	27.87 -0.71 0.00	26.38 -0.43 0.00	25.11 -0.38 0.00	25.70 -0.26 0.00	25.80 -0.16 0.00	27.81 -0.25 0.00	32.47 -0.53 0.00	42.64 -0.61 0.00	50.32 -0.92 0.00	54.75 -0.78 0.00	54.86 -0.72 0.00	47.17 -0.48 0.00	38.51 -0.51 0.00	31.88 -0.26 0.00
GREENIDGE___3 23582	27.47 -0.28 0.00	21.04 -0.28 0.00	19.61 -0.38 -0.04	19.66 -0.40 0.00	22.04 -0.50 0.00	29.34 -0.54 0.00	35.08 -0.43 0.00	36.91 -0.64 0.00	33.94 -0.69 0.00	28.96 -0.74 0.00	27.87 -0.71 0.00	26.38 -0.43 0.00	25.11 -0.38 0.00	25.70 -0.26 0.00	25.80 -0.16 0.00	27.81 -0.25 0.00	32.47 -0.53 0.00	42.64 -0.61 0.00	50.32 -0.92 0.00	54.75 -0.78 0.00	54.86 -0.72 0.00	47.17 -0.48 0.00	38.51 -0.51 0.00	31.88 -0.26 0.00
GREENIDGE___4 23583	27.47 -0.28 0.00	21.04 -0.28 0.00	19.61 -0.38 -0.04	19.66 -0.40 0.00	22.04 -0.50 0.00	29.34 -0.54 0.00	35.09 -0.42 0.00	36.91 -0.64 0.00	33.94 -0.69 0.00	28.96 -0.74 0.00	27.87 -0.71 0.00	26.38 -0.43 0.00	25.11 -0.38 0.00	25.70 -0.26 0.00	25.80 -0.15 0.00	27.81 -0.25 0.00	32.47 -0.53 0.00	42.73 -0.52 0.00	50.32 -0.92 0.00	54.80 -0.72 0.00	54.97 -0.61 0.00	47.21 -0.43 0.00	38.55 -0.47 0.00	31.88 -0.26 0.00
GREENLWN_69_KV_BK 3 55738	33.39 2.30 -3.34	23.24 1.92 -0.01	21.92 1.78 -0.18	21.83 1.77 -0.01	33.82 1.85 -9.44	45.47 2.30 -13.29	48.04 2.59 -9.94	47.93 3.04 -7.34	47.70 3.01 -10.05	45.97 2.79 -13.48	48.69 2.66 -17.44	48.70 2.81 -19.08	48.73 2.83 -20.41	48.76 2.91 -19.89	49.25 2.91 -20.39	50.32 2.97 -19.28	52.27 2.97 -16.30	60.59 3.29 -14.05	42.18 3.48 12.55	47.53 3.89 11.88	45.84 3.78 13.52	57.58 3.05 -6.89	51.51 2.85 -9.65	49.99 2.67 -15.19
GREENWD_138_KV_38B11_REV_LBMP_J 345004	29.78 2.03 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.10 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.48 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.91 3.17 -17.75	52.88 3.59 -6.04	54.73 3.48 0.00	59.30 3.78 0.00	59.19 3.61 0.00	50.77 3.10 -0.03	49.49 2.58 -7.90	34.37 2.22 -0.02
GRISSOM___SOLAR 323813	29.22 1.47 0.00	22.53 1.21 0.00	21.34 1.14 -0.24	21.16 1.10 0.00	23.70 1.17 0.00	31.46 1.58 0.00	37.36 1.81 -0.04	39.35 1.73 -0.07	35.78 1.14 0.00	30.26 0.56 0.00	29.19 0.60 0.00	27.34 0.54 0.00	26.10 0.64 0.03	26.67 0.73 0.02	26.65 0.75 0.06	29.01 0.95 0.00	34.18 1.19 0.00	44.80 1.55 0.00	54.14 2.51 -0.39	59.99 3.39 -1.08	60.79 3.72 -1.49	51.10 2.67 -0.79	41.76 2.14 -0.60	33.90 1.77 0.00
GROVEVILLE___HYD 323602	29.36 1.61 0.00	22.68 1.36 0.00	21.39 1.26 -0.18	21.28 1.22 0.00	23.75 1.22 0.00	31.37 1.49 0.00	37.36 1.85 0.00	39.92 2.37 0.00	36.92 2.29 0.00	31.63 1.93 0.00	30.53 1.94 0.00	28.87 2.06 0.00	28.05 2.12 -0.44	28.54 2.23 -0.34	29.11 2.31 -0.84	30.58 2.47 -0.05	35.60 2.61 0.00	46.36 3.11 0.00	54.57 3.33 0.00	59.19 3.66 0.00	59.25 3.67 0.00	50.55 2.91 0.00	41.40 2.38 0.00	34.16 2.02 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	27.53 -0.22 0.00	21.14 -0.17 0.00	19.77 -0.20 -0.02	19.84 -0.22 0.00	22.24 -0.29 0.00	29.52 -0.36 0.00	35.19 -0.32 0.00	37.02 -0.53 0.00	34.08 -0.55 0.00	29.22 -0.48 0.00	28.13 -0.46 0.00	26.51 -0.29 0.00	25.24 -0.25 0.00	25.78 -0.18 0.00	25.80 -0.16 0.00	27.89 -0.17 0.00	32.67 -0.33 0.00	42.82 -0.43 0.00	50.78 -0.46 0.00	54.97 -0.56 0.00	55.08 -0.50 0.00	47.07 -0.57 0.00	38.59 -0.43 0.00	31.88 -0.26 0.00
HAMLTNNY_34_KV_TB 80303	27.47 -0.28 0.00	21.08 -0.23 0.00	19.74 -0.24 -0.02	19.78 -0.28 0.00	22.20 -0.34 0.00	29.49 -0.39 0.00	35.12 -0.39 0.00	36.99 -0.56 0.00	34.01 -0.62 0.00	29.13 -0.56 0.00	28.04 -0.54 0.00	26.43 -0.38 0.00	25.16 -0.33 0.00	25.70 -0.26 0.00	25.75 -0.21 0.00	27.84 -0.22 0.00	32.57 -0.43 0.00	42.64 -0.61 0.00	50.58 -0.67 0.00	54.80 -0.72 0.00	54.91 -0.67 0.00	46.93 -0.71 0.00	38.47 -0.55 0.00	31.81 -0.32 0.00



HAMPSHIRE___PAPER_HYD 323593	26.83 -0.92 0.00	20.53 -0.79 0.00	19.20 -0.76 0.00	19.24 -0.82 0.00	21.61 -0.92 0.00	29.01 -0.87 0.00	34.55 -0.96 0.00	36.50 -1.05 0.00	33.42 -1.21 0.00	28.51 -1.19 0.00	27.21 -1.37 0.00	25.41 -1.40 0.00	24.09 -1.40 0.00	24.46 -1.51 0.00	24.45 -1.51 0.00	26.46 -1.60 0.00	31.48 -1.52 0.00	41.99 -1.26 0.00	50.22 -1.02 0.00	54.75 -0.78 0.00	54.69 -0.89 0.00	46.93 -0.71 0.00	38.16 -0.86 0.00	31.14 -1.00 0.00
HARDSCRABBLE_WT_PWR 323673	27.86 0.11 0.00	21.40 0.09 0.00	20.00 0.04 0.00	20.08 0.02 0.00	22.53 0.00 0.00	29.91 0.03 0.00	35.58 0.07 0.00	37.59 0.04 0.00	34.67 0.03 0.00	29.67 -0.03 0.00	28.59 0.00 0.00	26.83 0.03 0.00	25.52 0.03 0.00	26.02 0.05 0.00	26.04 0.08 0.00	28.12 0.06 0.00	33.03 0.03 0.00	43.29 0.04 0.00	51.35 0.10 0.00	55.64 0.11 0.00	55.69 0.11 0.00	47.69 0.05 0.00	39.06 0.04 0.00	32.20 0.06 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	29.25 1.50 0.00	22.59 1.28 0.00	21.30 1.18 -0.17	21.20 1.14 0.00	23.66 1.13 0.00	31.25 1.37 0.00	37.25 1.74 0.00	39.73 2.18 0.00	36.78 2.15 0.00	31.57 1.87 0.00	30.47 1.89 0.00	28.82 2.01 0.00	27.96 2.07 -0.40	28.46 2.18 -0.32	28.96 2.23 -0.77	30.49 2.39 -0.05	35.50 2.51 0.00	46.19 2.94 0.00	54.37 3.13 0.00	58.97 3.44 0.00	58.97 3.39 0.00	50.36 2.72 0.00	41.24 2.22 0.00	34.00 1.86 0.00
HARSNRAD_115KV_TB1 81005	26.00 -1.75 0.00	19.95 -1.36 0.00	18.51 -1.48 -0.03	18.58 -1.48 0.00	20.75 -1.78 0.00	27.55 -2.33 0.00	32.88 -2.63 0.00	34.55 -3.00 0.00	32.14 -2.49 0.00	27.26 -2.44 0.00	26.33 -2.26 0.00	25.23 -1.58 0.00	24.02 -1.48 0.00	24.72 -1.25 0.00	24.89 -1.06 0.00	26.55 -1.52 0.00	30.62 -2.38 0.00	39.79 -3.46 0.00	46.53 -4.71 0.00	50.81 -4.72 0.00	50.97 -4.61 0.00	43.74 -3.91 0.00	36.05 -2.97 0.00	30.14 -1.99 0.00
HARZA MOOSE___RIVER 24016	27.78 0.03 0.00	21.34 0.02 0.00	19.88 -0.08 -0.01	19.88 -0.18 0.00	22.31 -0.23 0.00	29.79 -0.09 0.00	35.51 0.00 0.00	37.44 -0.11 0.00	34.33 -0.31 0.00	29.19 -0.50 0.00	28.01 -0.57 0.00	26.35 -0.46 0.00	25.04 -0.46 0.00	25.52 -0.44 0.00	25.60 -0.36 0.00	27.64 -0.42 0.00	32.67 -0.33 0.00	43.25 0.00 0.00	51.60 0.36 0.00	56.36 0.83 0.00	56.30 0.72 0.00	48.17 0.52 0.00	39.18 0.16 0.00	32.20 0.06 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	27.44 -0.31 0.00	21.10 -0.21 0.00	19.74 -0.24 -0.02	19.78 -0.28 0.00	22.20 -0.34 0.00	29.43 -0.45 0.00	35.05 -0.46 0.00	36.91 -0.64 0.00	34.05 -0.59 0.00	29.16 -0.53 0.00	28.07 -0.51 0.00	26.49 -0.32 0.00	25.22 -0.28 0.00	25.76 -0.21 0.00	25.80 -0.16 0.00	27.86 -0.20 0.00	32.60 -0.40 0.00	42.69 -0.56 0.00	50.58 -0.67 0.00	54.80 -0.72 0.00	54.86 -0.72 0.00	46.93 -0.71 0.00	38.47 -0.55 0.00	31.81 -0.32 0.00
HELLGATE_13_KV_LD 55870	29.77 2.03 0.00	23.02 1.71 0.00	21.69 1.56 -0.18	21.56 1.50 0.00	24.02 1.49 0.00	31.61 1.73 0.00	37.68 2.17 0.00	40.22 2.67 0.00	37.37 2.74 0.00	32.28 2.58 0.00	31.19 2.60 0.00	29.52 2.71 0.00	28.75 2.80 -0.45	29.23 2.91 -0.36	29.76 2.93 -0.86	31.26 3.14 -0.05	36.23 3.23 0.00	46.97 3.72 0.00	54.83 3.59 0.00	59.47 3.94 0.00	59.36 3.78 0.00	50.79 3.14 0.00	41.63 2.61 0.00	34.38 2.25 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	29.77 2.03 0.00	23.02 1.71 0.00	21.69 1.56 -0.18	21.56 1.50 0.00	24.02 1.49 0.00	31.61 1.73 0.00	37.68 2.17 0.00	40.22 2.67 0.00	37.37 2.74 0.00	32.28 2.58 0.00	31.19 2.60 0.00	29.52 2.71 0.00	28.75 2.80 -0.45	29.23 2.91 -0.36	29.76 2.93 -0.86	31.26 3.14 -0.05	36.23 3.23 0.00	46.97 3.72 0.00	54.83 3.59 0.00	59.47 3.94 0.00	59.36 3.78 0.00	50.79 3.14 0.00	41.63 2.61 0.00	34.38 2.25 0.00
HEMPSTEAD___ 23647	33.83 2.08 -4.00	23.07 1.75 -0.01	21.76 1.62 -0.19	21.68 1.61 -0.01	35.48 1.64 -11.31	48.16 2.06 -16.22	50.12 2.48 -12.13	50.74 2.93 -10.26	49.81 2.91 -12.26	44.85 2.64 -12.51	52.38 2.52 -21.28	52.69 2.60 -23.28	52.95 2.65 -24.80	52.90 2.75 -24.18	53.42 2.78 -24.68	54.52 2.95 -23.52	55.92 3.03 -19.89	67.10 3.38 -20.48	60.77 3.53 -5.99	63.71 3.89 -4.30	62.55 3.83 -3.14	63.30 3.10 -12.56	53.91 2.81 -12.08	53.18 2.51 -18.54
HICKLING___1 23621	27.61 -0.14 0.00	21.14 -0.17 0.00	19.64 -0.36 -0.05	19.70 -0.36 0.00	22.06 -0.47 0.00	29.34 -0.54 0.00	35.12 -0.39 0.00	36.91 -0.64 0.00	33.98 -0.66 0.00	29.07 -0.62 0.00	27.99 -0.60 0.00	26.59 -0.21 0.00	25.36 -0.15 0.00	25.97 0.00 -0.01	26.09 0.10 -0.03	28.09 0.03 0.00	32.70 -0.30 0.00	42.82 -0.43 0.00	50.73 -0.51 0.00	55.19 -0.33 0.00	55.30 -0.28 0.00	47.22 -0.43 0.00	38.59 -0.43 0.00	32.01 -0.13 0.00
HICKLING___2 23622	27.61 -0.14 0.00	21.14 -0.17 0.00	19.64 -0.36 -0.05	19.70 -0.36 0.00	22.06 -0.47 0.00	29.34 -0.54 0.00	35.12 -0.39 0.00	36.91 -0.64 0.00	33.98 -0.66 0.00	29.07 -0.62 0.00	27.99 -0.60 0.00	26.59 -0.21 0.00	25.36 -0.15 -0.01	25.97 0.00 -0.01	26.09 0.10 -0.03	28.09 0.03 0.00	32.70 -0.30 0.00	42.82 -0.43 0.00	50.73 -0.51 0.00	55.19 -0.33 0.00	55.30 -0.28 0.00	47.22 -0.43 0.00	38.59 -0.43 0.00	32.01 -0.13 0.00
HIGH FALLS___HY 23754	29.33 1.58 0.00	22.64 1.32 0.00	21.35 1.22 -0.18	21.24 1.18 0.00	23.70 1.17 0.00	31.31 1.43 0.00	37.28 1.81 0.04	39.99 2.52 0.07	37.10 2.46 0.00	31.81 2.11 0.00	30.70 2.12 0.00	29.09 2.28 0.00	28.14 2.29 -0.35	28.62 2.39 -0.27	29.09 2.47 -0.66	30.74 2.64 -0.04	35.80 2.80 0.00	46.71 3.46 0.00	54.56 3.69 0.37	58.54 4.05 1.04	58.20 4.06 1.43	50.12 3.24 0.76	41.02 2.58 0.58	34.29 2.15 0.00
HIGH_RIVER___SOLAR 323847	28.86 1.11 0.00	22.25 0.94 0.00	21.07 0.88 -0.23	20.90 0.84 0.00	23.41 0.88 0.00	31.02 1.14 0.00	36.83 1.28 -0.05	38.75 1.13 -0.08	35.26 0.62 0.00	29.91 0.21 0.00	28.79 0.20 0.00	27.00 0.19 0.00	25.77 0.31 0.03	26.33 0.39 0.03	26.31 0.41 0.06	28.56 0.51 0.00	33.59 0.59 0.00	44.03 0.78 0.00	53.19 1.54 -0.41	58.84 2.16 -1.15	59.55 2.39 -1.58	50.20 1.71 -0.84	41.10 1.44 -0.64	33.39 1.25 0.00
HILLBURN___GT 23639	29.33 1.58 0.00	22.66 1.34 0.00	21.36 1.24 -0.17	21.26 1.20 0.00	23.73 1.19 0.00	31.37 1.49 0.00	37.36 1.85 0.00	39.88 2.33 0.00	36.92 2.29 0.00	31.75 2.05 0.00	30.65 2.06 0.00	28.98 2.17 0.00	28.15 2.24 -0.41	28.65 2.36 -0.32	29.13 2.39 -0.79	30.69 2.58 -0.05	35.70 2.71 0.00	46.28 3.03 0.00	54.42 3.18 0.00	59.03 3.50 0.00	59.08 3.50 0.00	50.41 2.76 0.00	41.32 2.30 0.00	34.10 1.96 0.00
HILLSIDE_115KV_TB1 80332	27.33 -0.42 0.00	20.97 -0.34 0.00	19.53 -0.48 -0.05	19.58 -0.48 0.00	21.92 -0.61 0.00	29.07 -0.81 0.00	34.73 -0.78 0.00	36.54 -1.01 0.00	33.74 -0.90 0.00	28.84 -0.86 0.00	27.79 -0.80 0.00	26.32 -0.48 0.00	25.10 -0.41 -0.01	25.69 -0.29 -0.01	25.80 -0.18 -0.03	27.78 -0.28 0.00	32.37 -0.63 0.00	42.25 -0.99 0.00	50.01 -1.23 0.00	54.41 -1.11 0.00	54.52 -1.06 0.00	46.64 -1.00 0.00	38.12 -0.90 0.00	31.65 -0.48 0.00



HISHELDN_WT_PWR 323625	26.42 -1.33 0.00	20.21 -1.11 0.00	18.65 -1.34 -0.03	18.72 -1.34 0.00	20.93 -1.60 0.00	27.79 -2.09 0.00	33.34 -2.17 0.00	34.96 -2.59 0.00	32.46 -2.18 0.00	27.62 -2.08 0.00	26.70 -1.89 0.00	25.55 -1.26 0.00	24.35 -1.15 0.00	25.03 -0.93 0.00	25.21 -0.75 0.00	26.97 -1.09 0.00	31.18 -1.81 0.00	40.74 -2.51 0.00	47.81 -3.43 0.00	52.36 -3.16 0.00	52.47 -3.11 0.00	44.88 -2.76 0.00	36.72 -2.30 0.00	30.62 -1.51 0.00
HOLTSVILLE_IC_1 23690	33.71 2.66 -3.30	23.54 2.22 -0.01	22.20 2.06 -0.18	22.09 2.03 -0.01	34.00 2.12 -9.34	45.71 2.69 -13.14	48.43 3.09 -9.83	54.00 3.45 -13.00	48.03 3.46 -9.93	46.29 3.06 -13.54	48.68 2.86 -17.24	48.59 2.92 -18.86	48.60 2.93 -20.18	48.63 3.01 -19.66	49.13 3.01 -20.16	50.29 3.17 -19.06	52.48 3.37 -16.11	75.60 3.81 -28.54	136.86 4.15 -81.46	131.24 4.61 -71.11	133.29 4.56 -73.16	76.39 3.62 -25.13	53.17 3.28 -10.87	50.17 3.02 -15.01
HOLTSVILLE_IC_10 23699	33.86 2.80 -3.31	23.65 2.32 -0.01	22.28 2.14 -0.18	22.17 2.11 -0.01	34.14 2.23 -9.37	45.90 2.84 -13.18	48.65 3.26 -9.87	54.63 3.64 -13.44	48.24 3.64 -9.97	46.43 3.21 -13.52	48.86 2.97 -17.30	48.76 3.03 -18.92	48.77 3.03 -20.24	48.83 3.14 -19.72	49.30 3.11 -20.23	50.50 3.31 -19.13	52.73 3.56 -16.17	77.01 4.11 -29.65	143.95 4.51 -88.19	137.57 5.00 -77.05	139.88 4.94 -79.35	78.07 3.95 -26.48	53.57 3.55 -11.00	50.41 3.21 -15.07
HOLTSVILLE_IC_2 23691	33.71 2.66 -3.30	23.54 2.22 -0.01	22.20 2.06 -0.18	22.09 2.03 -0.01	34.00 2.12 -9.34	45.71 2.69 -13.14	48.43 3.09 -9.83	54.00 3.45 -13.00	48.03 3.46 -9.93	46.29 3.06 -13.54	48.68 2.86 -17.24	48.59 2.92 -18.86	48.60 2.93 -20.18	48.63 3.01 -19.66	49.13 3.01 -20.16	50.29 3.17 -19.06	52.48 3.37 -16.11	75.60 3.81 -28.54	136.86 4.15 -81.46	131.24 4.61 -71.11	133.29 4.56 -73.16	76.39 3.62 -25.13	53.17 3.28 -10.87	50.17 3.02 -15.01
HOLTSVILLE_IC_3 23692	33.71 2.66 -3.30	23.54 2.22 -0.01	22.20 2.06 -0.18	22.09 2.03 -0.01	34.00 2.12 -9.34	45.71 2.69 -13.14	48.43 3.09 -9.83	54.00 3.45 -13.00	48.03 3.46 -9.93	46.29 3.06 -13.54	48.68 2.86 -17.24	48.59 2.92 -18.86	48.60 2.93 -20.18	48.63 3.01 -19.66	49.13 3.01 -20.16	50.29 3.17 -19.06	52.48 3.37 -16.11	75.60 3.81 -28.54	136.86 4.15 -81.46	131.24 4.61 -71.11	133.29 4.56 -73.16	76.39 3.62 -25.13	53.17 3.28 -10.87	50.17 3.02 -15.01
HOLTSVILLE_IC_4 23693	33.71 2.66 -3.30	23.54 2.22 -0.01	22.20 2.06 -0.18	22.09 2.03 -0.01	34.00 2.12 -9.34	45.71 2.69 -13.14	48.43 3.09 -9.83	54.00 3.45 -13.00	48.03 3.46 -9.93	46.29 3.06 -13.54	48.68 2.86 -17.24	48.59 2.92 -18.86	48.60 2.93 -20.18	48.63 3.01 -19.66	49.13 3.01 -20.16	50.29 3.17 -19.06	52.48 3.37 -16.11	75.60 3.81 -28.54	136.86 4.15 -81.46	131.24 4.61 -71.11	133.29 4.56 -73.16	76.39 3.62 -25.13	53.17 3.28 -10.87	50.17 3.02 -15.01
HOLTSVILLE_IC_5 23694	33.71 2.66 -3.30	23.54 2.22 -0.01	22.20 2.06 -0.18	22.09 2.03 -0.01	34.00 2.12 -9.34	45.71 2.69 -13.14	48.43 3.09 -9.83	54.00 3.45 -13.00	48.03 3.46 -9.93	46.29 3.06 -13.54	48.68 2.86 -17.24	48.59 2.92 -18.86	48.60 2.93 -20.18	48.63 3.01 -19.66	49.13 3.01 -20.16	50.29 3.17 -19.06	52.48 3.37 -16.11	75.60 3.81 -28.54	136.86 4.15 -81.46	131.24 4.61 -71.11	133.29 4.56 -73.16	76.39 3.62 -25.13	53.17 3.28 -10.87	50.17 3.02 -15.01
HOLTSVILLE_IC_6 23695	33.86 2.80 -3.31	23.65 2.32 -0.01	22.28 2.14 -0.18	22.17 2.11 -0.01	34.14 2.23 -9.37	45.90 2.84 -13.18	48.65 3.26 -9.87	54.63 3.64 -13.44	48.24 3.64 -9.97	46.43 3.21 -13.52	48.86 2.97 -17.30	48.76 3.03 -18.92	48.77 3.03 -20.24	48.83 3.14 -19.72	49.30 3.11 -20.23	50.50 3.31 -19.13	52.73 3.56 -16.17	77.01 4.11 -29.65	143.95 4.51 -88.19	137.57 5.00 -77.05	139.88 4.94 -79.35	78.07 3.95 -26.48	53.57 3.55 -11.00	50.41 3.21 -15.07
HOLTSVILLE_IC_7 23696	33.86 2.80 -3.31	23.65 2.32 -0.01	22.28 2.14 -0.18	22.17 2.11 -0.01	34.14 2.23 -9.37	45.90 2.84 -13.18	48.65 3.26 -9.87	54.63 3.64 -13.44	48.24 3.64 -9.97	46.43 3.21 -13.52	48.86 2.97 -17.30	48.76 3.03 -18.92	48.77 3.03 -20.24	48.83 3.14 -19.72	49.30 3.11 -20.23	50.50 3.31 -19.13	52.73 3.56 -16.17	77.01 4.11 -29.65	143.95 4.51 -88.19	137.57 5.00 -77.05	139.88 4.94 -79.35	78.07 3.95 -26.48	53.57 3.55 -11.00	50.41 3.21 -15.07
HOLTSVILLE_IC_8 23697	33.86 2.80 -3.31	23.65 2.32 -0.01	22.28 2.14 -0.18	22.17 2.11 -0.01	34.14 2.23 -9.37	45.90 2.84 -13.18	48.65 3.26 -9.87	54.63 3.64 -13.44	48.24 3.64 -9.97	46.43 3.21 -13.52	48.86 2.97 -17.30	48.76 3.03 -18.92	48.77 3.03 -20.24	48.83 3.14 -19.72	49.30 3.11 -20.23	50.50 3.31 -19.13	52.73 3.56 -16.17	77.01 4.11 -29.65	143.95 4.51 -88.19	137.57 5.00 -77.05	139.88 4.94 -79.35	78.07 3.95 -26.48	53.57 3.55 -11.00	50.41 3.21 -15.07
HOLTSVILLE_IC_9 23698	33.86 2.80 -3.31	23.65 2.32 -0.01	22.28 2.14 -0.18	22.17 2.11 -0.01	34.14 2.23 -9.37	45.90 2.84 -13.18	48.65 3.26 -9.87	54.63 3.64 -13.44	48.24 3.64 -9.97	46.43 3.21 -13.52	48.86 2.97 -17.30	48.76 3.03 -18.92	48.77 3.03 -20.24	48.83 3.14 -19.72	49.30 3.11 -20.23	50.50 3.31 -19.13	52.73 3.56 -16.17	77.01 4.11 -29.65	143.95 4.51 -88.19	137.57 5.00 -77.05	139.88 4.94 -79.35	78.07 3.95 -26.48	53.57 3.55 -11.00	50.41 3.21 -15.07
HOMER_HL_115KV_TB2 355744	26.86 -0.89 0.00	20.63 -0.68 0.00	18.93 -1.06 -0.03	19.16 -0.90 0.00	21.38 -1.15 0.00	28.30 -1.58 0.00	33.84 -1.67 0.00	35.52 -2.03 0.00	33.04 -1.59 0.00	28.15 -1.54 0.00	27.21 -1.37 0.00	25.98 -0.83 0.00	24.76 -0.74 0.00	25.44 -0.52 0.00	25.65 -0.31 0.00	27.47 -0.59 0.00	31.74 -1.25 0.00	41.43 -1.82 0.00	48.89 -2.36 0.00	53.36 -2.17 0.00	53.47 -2.11 0.00	45.64 -2.00 0.00	37.34 -1.68 0.00	31.17 -0.96 0.00
HOWARD_WT_PWR 323690	27.14 -0.61 0.00	20.70 -0.62 0.00	19.14 -0.86 -0.04	19.16 -0.90 0.00	21.43 -1.10 0.00	28.57 -1.31 0.00	34.34 -1.17 0.00	36.01 -1.54 0.00	33.22 -1.42 0.00	28.36 -1.34 0.00	27.36 -1.23 0.00	26.06 -0.75 0.00	24.83 -0.66 0.00	25.47 -0.49 0.00	25.62 -0.34 0.00	27.53 -0.53 0.00	32.01 -0.99 0.00	42.12 -1.12 0.00	49.76 -1.49 0.00	54.42 -1.11 0.00	54.52 -1.06 0.00	46.46 -1.19 0.00	37.85 -1.17 0.00	31.40 -0.74 0.00
HQ_GEN_CEDARS 23644	27.44 -0.31 0.00	20.93 -0.38 0.00	19.68 -0.28 0.00	19.80 -0.26 0.00	22.26 -0.27 0.00	29.91 0.03 0.00	35.51 0.00 0.00	37.62 0.08 0.00	34.64 0.00 0.00	29.79 0.09 0.00	28.33 -0.26 0.00	26.35 -0.46 0.00	24.93 -0.56 0.00	25.26 -0.70 0.00	25.18 -0.78 0.00	27.28 -0.79 0.00	32.47 -0.53 0.00	43.16 -0.09 0.00	51.30 0.05 0.00	55.58 0.06 0.00	55.53 -0.06 0.00	47.74 0.10 0.00	39.02 0.00 0.00	31.81 -0.32 0.00
HQ_GEN_CEDARS_PROXY 323590	27.44 -0.30 0.00	20.93 -0.38 0.00	19.68 -0.28 0.00	19.80 -0.26 0.00	22.26 -0.27 0.00	29.91 0.03 0.00	35.51 0.00 0.00	37.62 0.08 0.00	34.64 0.00 0.00	29.79 0.09 0.00	28.33 -0.26 0.00	26.35 -0.46 0.00	24.93 -0.56 0.00	25.26 -0.70 0.00	25.18 -0.78 0.00	27.28 -0.79 0.00	32.47 -0.53 0.00	43.16 -0.09 0.00	51.30 0.05 0.00	55.58 0.06 0.00	55.47 -0.11 0.00	47.74 0.10 0.00	39.02 0.00 0.00	31.81 -0.32 0.00



HQ_GEN_IMPORT 323601	27.52 -0.22 0.00	21.04 -0.28 0.00	19.74 -0.22 0.00	19.88 -0.18 0.00	22.42 -0.11 0.00	29.82 -0.06 0.00	35.40 -0.11 0.00	37.51 -0.04 0.00	34.60 -0.03 0.00	29.70 0.00 0.00	28.53 -0.06 0.00	26.59 -0.22 0.00	25.19 -0.30 0.00	25.57 -0.39 0.00	25.52 -0.44 0.00	27.61 -0.45 0.00	32.70 -0.30 0.00	43.21 -0.04 0.00	51.24 0.00 0.00	55.47 -0.06 0.00	55.47 -0.11 0.00	47.69 0.05 0.00	38.98 -0.04 0.00	31.91 -0.22 0.00
HQ_GEN_WHEEL 23651	27.52 -0.22 0.00	21.04 -0.28 0.00	19.74 -0.22 0.00	19.88 -0.18 0.00	22.42 -0.11 0.00	29.82 -0.06 0.00	35.40 -0.11 0.00	37.51 -0.04 0.00	34.60 -0.03 0.00	29.70 0.00 0.00	28.53 -0.06 0.00	26.59 -0.22 0.00	25.19 -0.30 0.00	25.57 -0.39 0.00	25.52 -0.44 0.00	27.61 -0.45 0.00	32.70 -0.30 0.00	43.21 -0.04 0.00	51.24 0.00 0.00	55.47 -0.06 0.00	55.47 -0.11 0.00	47.69 0.05 0.00	38.98 -0.04 0.00	31.91 -0.22 0.00
HUDSON AVE_GT_3 23810	29.61 1.86 0.00	22.87 1.56 0.00	21.57 1.44 -0.18	21.44 1.38 0.00	23.93 1.40 0.00	31.61 1.73 0.00	37.68 2.17 0.00	40.22 2.67 0.00	37.34 2.70 0.00	32.19 2.49 0.00	31.07 2.49 0.00	29.38 2.57 0.00	28.60 2.65 -0.45	29.07 2.75 -0.36	29.63 2.80 -0.86	31.12 3.00 -0.05	36.10 3.10 0.00	46.75 3.50 0.00	54.83 3.59 0.00	59.47 3.94 0.00	59.36 3.78 0.00	50.79 3.14 0.00	41.63 2.61 0.00	34.38 2.25 0.00
HUDSON AVE_GT_4 23540	29.61 1.86 0.00	22.87 1.56 0.00	21.57 1.44 -0.18	21.44 1.38 0.00	23.93 1.40 0.00	31.61 1.73 0.00	37.68 2.17 0.00	40.22 2.67 0.00	37.34 2.70 0.00	32.19 2.49 0.00	31.07 2.49 0.00	29.38 2.57 0.00	28.60 2.65 -0.45	29.07 2.75 -0.36	29.63 2.80 -0.86	31.12 3.00 -0.05	36.10 3.10 0.00	46.75 3.50 0.00	54.83 3.59 0.00	59.47 3.94 0.00	59.36 3.78 0.00	50.79 3.14 0.00	41.63 2.61 0.00	34.38 2.25 0.00
HUDSON AVE_GT_5 23657	29.61 1.86 0.00	22.87 1.56 0.00	21.57 1.44 -0.18	21.44 1.38 0.00	23.93 1.40 0.00	31.61 1.73 0.00	37.68 2.17 0.00	40.22 2.67 0.00	37.34 2.70 0.00	32.19 2.49 0.00	31.07 2.49 0.00	29.38 2.57 0.00	28.60 2.65 -0.45	29.07 2.75 -0.36	29.63 2.80 -0.86	31.12 3.00 -0.05	36.10 3.10 0.00	46.75 3.50 0.00	54.83 3.59 0.00	59.47 3.94 0.00	59.36 3.78 0.00	50.79 3.14 0.00	41.63 2.61 0.00	34.38 2.25 0.00
HUDSON_AVE_10 24168	29.50 1.75 0.00	22.79 1.47 0.00	21.49 1.36 -0.18	21.36 1.30 0.00	23.82 1.28 0.00	31.49 1.61 0.00	37.57 2.06 0.00	40.14 2.59 0.00	37.27 2.63 0.00	32.13 2.44 0.00	30.99 2.40 0.00	29.33 2.52 0.00	28.55 2.60 -0.45	29.02 2.70 -0.36	29.55 2.73 -0.86	31.03 2.92 -0.05	36.03 3.04 0.00	46.62 3.37 0.00	54.63 3.38 0.00	59.25 3.72 0.00	59.19 3.61 0.00	50.65 3.00 0.00	41.56 2.54 0.00	34.29 2.15 0.00
HUDSON___115KV_TB 4 355613	28.64 0.89 0.00	22.17 0.85 0.00	20.97 0.80 -0.21	20.82 0.76 0.00	23.25 0.72 0.00	30.72 0.84 0.00	36.21 0.96 0.26	38.20 1.09 0.44	35.40 0.76 0.00	30.17 0.48 0.00	29.07 0.49 0.00	27.26 0.46 0.00	26.12 0.61 -0.02	26.68 0.70 -0.01	26.72 0.73 -0.03	28.93 0.87 0.00	33.89 0.89 0.00	44.07 0.82 0.00	50.09 1.33 2.48	50.26 1.67 6.93	47.83 1.78 9.53	43.87 1.29 5.06	36.39 1.21 3.84	33.20 1.06 0.00
HUNTER MOUNT___DRP 323613	28.64 0.89 0.00	22.15 0.83 0.00	20.96 0.80 -0.21	20.82 0.76 0.00	23.23 0.70 0.00	30.69 0.81 0.00	36.30 0.99 0.21	38.36 1.16 0.35	35.30 0.66 0.00	30.02 0.33 0.00	28.93 0.34 0.00	27.13 0.32 0.00	26.12 0.56 -0.07	26.67 0.65 -0.05	26.79 0.70 -0.13	28.88 0.81 -0.01	33.79 0.79 0.00	44.03 0.78 0.00	50.74 1.49 1.99	51.81 1.83 5.54	49.90 1.95 7.62	44.98 1.38 4.05	37.23 1.29 3.07	33.20 1.06 0.00
HUNTINGTON_RES_REC 323705	33.59 2.52 -3.32	23.41 2.09 -0.01	22.08 1.94 -0.18	21.98 1.91 -0.01	33.93 2.00 -9.39	45.60 2.51 -13.21	48.22 2.84 -9.86	45.63 3.27 -4.82	47.88 3.25 -9.98	46.15 2.94 -13.51	48.69 2.77 -17.33	48.64 2.87 -18.96	48.66 2.88 -20.28	48.71 2.98 -19.76	49.20 2.98 -20.26	50.34 3.11 -19.16	52.43 3.24 -16.20	54.56 3.63 -7.67	2.44 3.95 52.75	12.54 4.39 47.37	9.35 4.34 50.57	50.00 3.38 1.03	51.15 3.12 -9.01	50.12 2.89 -15.10
HUNTLEY___63 23557	26.22 -1.53 0.00	20.16 -1.15 0.00	18.69 -1.30 -0.03	18.74 -1.32 0.00	20.93 -1.60 0.00	27.67 -2.21 0.00	32.99 -2.52 0.00	34.66 -2.89 0.00	32.28 -2.36 0.00	27.41 -2.29 0.00	26.47 -2.12 0.00	25.36 -1.45 0.00	24.14 -1.35 0.00	24.85 -1.12 0.00	25.05 -0.91 0.00	26.71 -1.35 0.00	30.75 -2.24 0.00	39.96 -3.29 0.00	47.09 -4.15 0.00	51.42 -4.11 0.00	51.52 -4.06 0.00	44.21 -3.43 0.00	36.44 -2.58 0.00	30.43 -1.70 0.00
HUNTLEY___64 23558	26.22 -1.53 0.00	20.16 -1.15 0.00	18.69 -1.30 -0.03	18.74 -1.32 0.00	20.93 -1.60 0.00	27.67 -2.21 0.00	32.99 -2.52 0.00	34.66 -2.89 0.00	32.28 -2.36 0.00	27.41 -2.29 0.00	26.47 -2.12 0.00	25.36 -1.45 0.00	24.14 -1.35 0.00	24.85 -1.12 0.00	25.05 -0.91 0.00	26.71 -1.35 0.00	30.75 -2.24 0.00	39.96 -3.29 0.00	47.09 -4.15 0.00	51.42 -4.11 0.00	51.52 -4.06 0.00	44.21 -3.43 0.00	36.44 -2.58 0.00	30.43 -1.70 0.00
HUNTLEY___65 23559	26.22 -1.53 0.00	20.16 -1.15 0.00	18.69 -1.30 -0.03	18.74 -1.32 0.00	20.93 -1.60 0.00	27.67 -2.21 0.00	32.99 -2.52 0.00	34.66 -2.89 0.00	32.28 -2.36 0.00	27.41 -2.29 0.00	26.47 -2.12 0.00	25.36 -1.45 0.00	24.14 -1.35 0.00	24.85 -1.12 0.00	25.05 -0.91 0.00	26.71 -1.35 0.00	30.75 -2.24 0.00	39.96 -3.29 0.00	47.09 -4.15 0.00	51.42 -4.11 0.00	51.52 -4.06 0.00	44.21 -3.43 0.00	36.44 -2.58 0.00	30.43 -1.70 0.00
HUNTLEY___66 23560	26.22 -1.53 0.00	20.16 -1.15 0.00	18.69 -1.30 -0.03	18.74 -1.32 0.00	20.93 -1.60 0.00	27.67 -2.21 0.00	32.99 -2.52 0.00	34.66 -2.89 0.00	32.28 -2.36 0.00	27.41 -2.29 0.00	26.47 -2.12 0.00	25.36 -1.45 0.00	24.14 -1.35 0.00	24.85 -1.12 0.00	25.05 -0.91 0.00	26.71 -1.35 0.00	30.75 -2.24 0.00	39.96 -3.29 0.00	47.09 -4.15 0.00	51.42 -4.11 0.00	51.52 -4.06 0.00	44.21 -3.43 0.00	36.44 -2.58 0.00	30.43 -1.70 0.00
HUNTLEY___67 23561	26.17 -1.58 0.00	20.08 -1.24 0.00	18.61 -1.38 -0.03	18.68 -1.38 0.00	20.87 -1.67 0.00	27.58 -2.30 0.00	32.88 -2.63 0.00	34.55 -3.00 0.00	32.14 -2.49 0.00	27.32 -2.38 0.00	26.39 -2.20 0.00	25.25 -1.55 0.00	24.07 -1.43 0.00	24.74 -1.22 0.00	24.92 -1.04 0.00	26.57 -1.49 0.00	30.62 -2.38 0.00	39.75 -3.50 0.00	46.89 -4.36 0.00	51.19 -4.33 0.00	51.36 -4.22 0.00	44.02 -3.62 0.00	36.29 -2.73 0.00	30.34 -1.80 0.00
HUNTLEY___68 23562	26.17 -1.58 0.00	20.08 -1.24 0.00	18.61 -1.38 -0.03	18.68 -1.38 0.00	20.87 -1.67 0.00	27.58 -2.30 0.00	32.88 -2.63 0.00	34.55 -3.00 0.00	32.14 -2.49 0.00	27.32 -2.38 0.00	26.39 -2.20 0.00	25.25 -1.55 0.00	24.07 -1.43 0.00	24.74 -1.22 0.00	24.92 -1.04 0.00	26.57 -1.49 0.00	30.62 -2.38 0.00	39.75 -3.50 0.00	46.89 -4.36 0.00	51.19 -4.33 0.00	51.36 -4.22 0.00	44.02 -3.62 0.00	36.29 -2.73 0.00	30.34 -1.80 0.00



HYLAND___LFGE 323620	27.61 -0.14 0.00	21.12 -0.19 0.00	19.67 -0.32 -0.03	19.72 -0.34 0.00	22.15 -0.38 0.00	29.52 -0.36 0.00	35.26 -0.25 0.00	37.06 -0.49 0.00	33.70 -0.93 0.00	28.36 -1.34 0.00	27.10 -1.49 0.00	25.68 -1.12 0.00	24.40 -1.10 0.00	25.00 -0.96 0.00	25.15 -0.80 0.00	27.08 -0.98 0.00	31.68 -1.32 0.00	42.08 -1.17 0.00	50.73 -0.51 0.00	56.02 0.50 0.00	56.47 0.89 0.00	47.98 0.34 0.00	39.10 0.08 0.00	32.30 0.16 0.00
INDECK___CORINTH 23802	28.86 1.11 0.00	22.28 0.96 0.00	21.10 0.92 -0.22	20.94 0.88 0.00	23.41 0.88 0.00	31.04 1.16 0.00	37.17 1.38 -0.28	39.54 1.58 -0.42	35.75 1.11 0.00	30.29 0.59 0.00	29.24 0.66 0.00	27.29 0.48 0.00	26.02 0.56 0.03	26.64 0.70 0.03	26.60 0.70 0.06	29.04 0.98 0.00	34.22 1.22 0.00	43.29 0.04 0.00	53.92 0.36 -2.32	62.83 0.83 -6.47	65.59 1.11 -8.89	52.80 0.43 -4.73	43.03 0.43 -3.58	32.58 0.45 0.00
INDECK___ILION 23567	27.89 0.14 0.00	21.44 0.13 0.00	20.06 0.10 0.00	20.14 0.08 0.00	22.60 0.07 0.00	29.97 0.09 0.00	35.62 0.11 0.00	37.66 0.11 0.00	34.71 0.07 0.00	29.73 0.03 0.00	28.61 0.03 0.00	26.89 0.08 0.00	25.60 0.10 0.00	26.09 0.13 0.00	26.11 0.16 0.00	28.20 0.14 0.00	33.13 0.13 0.00	43.38 0.13 0.00	51.45 0.20 0.00	55.75 0.22 0.00	55.80 0.22 0.00	47.79 0.14 0.00	39.14 0.12 0.00	32.26 0.13 0.00
INDECK___OLEAN 23982	26.86 -0.89 0.00	20.63 -0.68 0.00	18.93 -1.06 -0.03	19.16 -0.90 0.00	21.38 -1.15 0.00	28.27 -1.61 0.00	33.84 -1.67 0.00	35.48 -2.07 0.00	33.08 -1.56 0.00	28.15 -1.55 0.00	27.21 -1.37 0.00	25.98 -0.83 0.00	24.76 -0.74 0.00	25.44 -0.52 0.00	25.65 -0.31 0.00	27.47 -0.59 0.00	31.74 -1.25 0.00	41.56 -1.69 0.00	48.84 -2.41 0.00	53.47 -2.05 0.00	53.58 -2.00 0.00	45.69 -1.96 0.00	37.34 -1.68 0.00	31.17 -0.96 0.00
INDECK___OSWEGO 23783	27.11 -0.64 0.00	20.83 -0.49 0.00	19.49 -0.48 -0.01	19.54 -0.52 0.00	21.93 -0.61 0.00	29.07 -0.81 0.00	34.62 -0.89 0.00	36.42 -1.13 0.00	33.56 -1.07 0.00	28.75 -0.95 0.00	27.67 -0.92 0.00	26.06 -0.75 0.00	24.81 -0.69 0.00	25.32 -0.65 0.00	25.34 -0.62 0.00	27.36 -0.70 0.00	32.07 -0.92 0.00	41.99 -1.26 0.00	49.81 -1.43 0.00	53.97 -1.55 0.00	54.08 -1.50 0.00	46.26 -1.38 0.00	37.93 -1.09 0.00	31.36 -0.77 0.00
INDECK___YERKES 23781	26.25 -1.50 0.00	20.18 -1.13 0.00	18.71 -1.28 -0.03	18.76 -1.30 0.00	20.96 -1.58 0.00	27.67 -2.21 0.00	33.02 -2.49 0.00	34.66 -2.89 0.00	32.35 -2.29 0.00	27.41 -2.29 0.00	26.50 -2.09 0.00	25.39 -1.42 0.00	24.17 -1.33 0.00	24.87 -1.09 0.00	25.08 -0.88 0.00	26.71 -1.35 0.00	30.75 -2.24 0.00	40.14 -3.11 0.00	47.04 -4.20 0.00	51.53 -4.00 0.00	51.69 -3.89 0.00	44.31 -3.34 0.00	36.41 -2.61 0.00	30.46 -1.67 0.00
INDIAN POINT_GT_1 24139	29.33 1.58 0.00	22.68 1.36 0.00	21.39 1.26 -0.17	21.28 1.22 0.00	23.75 1.22 0.00	31.40 1.52 0.00	37.36 1.85 0.00	39.88 2.33 0.00	36.92 2.29 0.00	31.78 2.08 0.00	30.67 2.09 0.00	29.01 2.20 0.00	28.18 2.24 -0.44	28.68 2.36 -0.35	29.20 2.39 -0.85	30.69 2.58 -0.05	35.64 2.64 0.00	46.23 2.98 0.00	54.37 3.13 0.00	58.97 3.44 0.00	58.97 3.39 0.00	50.36 2.72 0.00	41.28 2.26 0.00	34.06 1.93 0.00
INDIAN POINT_GT_2 23659	29.33 1.58 0.00	22.68 1.36 0.00	21.39 1.26 -0.17	21.28 1.22 0.00	23.75 1.22 0.00	31.40 1.52 0.00	37.36 1.85 0.00	39.88 2.33 0.00	36.92 2.29 0.00	31.78 2.08 0.00	30.67 2.09 0.00	29.01 2.20 0.00	28.18 2.24 -0.44	28.68 2.36 -0.35	29.20 2.39 -0.85	30.69 2.58 -0.05	35.64 2.64 0.00	46.23 2.98 0.00	54.37 3.13 0.00	58.97 3.44 0.00	58.97 3.39 0.00	50.36 2.72 0.00	41.28 2.26 0.00	34.06 1.93 0.00
INDIAN POINT_GT_3 24019	29.33 1.58 0.00	22.68 1.36 0.00	21.39 1.26 -0.17	21.28 1.22 0.00	23.75 1.22 0.00	31.40 1.52 0.00	37.36 1.85 0.00	39.88 2.33 0.00	36.92 2.29 0.00	31.78 2.08 0.00	30.67 2.09 0.00	29.01 2.20 0.00	28.18 2.24 -0.44	28.68 2.36 -0.35	29.20 2.39 -0.85	30.69 2.58 -0.05	35.64 2.64 0.00	46.23 2.98 0.00	54.37 3.13 0.00	58.97 3.44 0.00	58.97 3.39 0.00	50.36 2.72 0.00	41.28 2.26 0.00	34.06 1.93 0.00
INDIAN POINT___2 23530	29.33 1.58 0.00	22.66 1.34 0.00	21.37 1.24 -0.17	21.26 1.20 0.00	23.73 1.19 0.00	31.34 1.46 0.00	37.32 1.81 0.00	39.84 2.29 0.00	36.89 2.25 0.00	31.75 2.05 0.00	30.65 2.06 0.00	28.98 2.17 0.00	28.17 2.24 -0.43	28.64 2.34 -0.34	29.15 2.36 -0.83	30.67 2.55 -0.05	35.67 2.67 0.00	46.19 2.94 0.00	54.32 3.07 0.00	58.91 3.39 0.00	58.97 3.39 0.00	50.31 2.67 0.00	41.24 2.22 0.00	34.06 1.93 0.00
INDIAN POINT___3 23531	29.33 1.58 0.00	22.66 1.34 0.00	21.37 1.24 -0.17	21.26 1.20 0.00	23.73 1.19 0.00	31.37 1.49 0.00	37.36 1.85 0.00	39.84 2.29 0.00	36.89 2.25 0.00	31.75 2.05 0.00	30.64 2.06 0.00	28.98 2.17 0.00	28.16 2.22 -0.44	28.65 2.34 -0.35	29.17 2.36 -0.85	30.67 2.55 -0.05	35.64 2.64 0.00	46.19 2.94 0.00	54.32 3.07 0.00	58.91 3.39 0.00	58.92 3.33 0.00	50.31 2.67 0.00	41.24 2.22 0.00	34.06 1.93 0.00
INGHAM_C_115KV_TB7 356103	27.83 0.08 0.00	21.38 0.06 0.00	20.00 0.04 0.00	20.06 0.00 0.00	22.51 -0.02 0.00	29.88 0.00 0.00	35.55 0.04 0.00	37.55 0.00 0.00	34.64 0.00 0.00	29.64 -0.06 0.00	28.53 -0.06 0.00	26.81 0.00 0.00	25.50 0.00 0.00	25.99 0.03 0.00	26.01 0.05 0.00	28.09 0.03 0.00	33.00 0.00 0.00	43.25 0.00 0.00	51.30 0.05 0.00	55.58 0.06 0.00	55.69 0.11 0.00	47.69 0.05 0.00	39.02 0.00 0.00	32.20 0.06 0.00
IP CORINTH___1 23988	28.86 1.11 0.00	22.27 0.96 0.00	21.10 0.92 -0.22	20.94 0.88 0.00	23.41 0.88 0.00	31.05 1.17 0.00	37.17 1.38 -0.28	39.54 1.58 -0.42	35.75 1.11 0.00	30.29 0.59 0.00	29.22 0.63 0.00	27.29 0.48 0.00	26.02 0.56 0.03	26.64 0.70 0.03	26.60 0.70 0.06	29.04 0.98 0.00	34.25 1.25 0.00	43.55 0.30 0.00	54.18 0.61 -2.32	63.16 1.17 -6.47	65.81 1.33 -8.89	53.04 0.67 -4.73	43.23 0.62 -3.58	32.75 0.61 0.00
IP___TICONDEROGA 23804	29.39 1.64 0.00	22.68 1.36 0.00	21.48 1.30 -0.22	21.32 1.26 0.00	23.84 1.31 0.00	31.64 1.76 0.00	37.91 2.10 -0.30	40.36 2.37 -0.45	36.26 1.63 0.00	30.47 0.77 0.00	29.39 0.80 0.00	27.37 0.56 0.00	26.13 0.66 0.03	26.77 0.83 0.03	26.75 0.86 0.06	29.35 1.29 0.00	34.81 1.81 0.00	44.50 1.25 0.00	55.84 2.10 -2.50	65.66 3.16 -6.97	68.61 3.45 -9.58	54.93 2.19 -5.09	44.64 1.76 -3.86	33.58 1.45 0.00
ISLIP_RES_REC 323679	33.98 2.91 -3.32	23.73 2.41 -0.01	22.36 2.22 -0.18	22.26 2.19 -0.01	34.22 2.30 -9.39	46.05 2.96 -13.21	48.85 3.44 -9.89	54.38 3.83 -13.00	48.43 3.81 -9.99	46.54 3.33 -13.51	49.01 3.09 -17.34	48.88 3.11 -18.97	48.89 3.11 -20.29	48.95 3.22 -19.77	49.45 3.22 -20.27	50.68 3.45 -19.17	52.96 3.76 -16.20	76.13 4.37 -28.52	136.74 4.77 -80.73	131.26 5.28 -70.45	133.27 5.22 -72.46	76.88 4.19 -25.04	53.68 3.75 -10.92	50.58 3.34 -15.10



JAMAICA__27_KV_LOAD 355505	29.44 1.69 0.00	22.74 1.43 0.00	21.43 1.30 -0.18	21.30 1.24 0.00	23.77 1.24 0.00	31.46 1.58 0.00	37.64 2.13 0.00	40.29 2.74 0.00	37.41 2.77 0.00	32.31 2.61 0.00	31.10 2.52 0.00	29.43 2.63 0.00	28.65 2.70 -0.45	29.12 2.80 -0.36	29.65 2.83 -0.86	31.17 3.06 -0.05	36.16 3.17 0.00	46.75 3.50 0.00	54.78 3.54 0.00	59.41 3.89 0.00	59.30 3.72 0.00	50.74 3.10 0.00	41.67 2.65 0.00	34.32 2.19 0.00
JANIS__SOLAR 323808	28.69 0.94 0.00	22.02 0.70 0.00	20.56 0.56 -0.05	20.56 0.50 0.00	23.05 0.52 0.00	30.78 0.90 0.00	36.82 1.31 0.00	38.60 1.05 0.00	34.67 0.03 0.00	29.46 -0.24 0.00	28.19 -0.40 0.00	26.49 -0.32 0.00	25.16 -0.33 0.00	25.70 -0.26 0.00	25.78 -0.18 0.00	27.98 -0.08 0.00	33.00 0.00 0.00	43.68 0.43 0.00	52.17 0.92 0.00	56.91 1.39 0.00	57.02 1.44 0.00	48.69 1.05 0.00	39.72 0.70 0.00	32.78 0.64 0.00
JARVIS____ 23743	27.86 0.11 0.00	21.42 0.11 0.00	20.04 0.08 0.00	20.14 0.08 0.00	22.58 0.05 0.00	29.91 0.03 0.00	35.55 0.04 0.00	37.59 0.04 0.00	34.67 0.03 0.00	29.70 0.00 0.00	28.61 0.03 0.00	26.86 0.05 0.00	25.60 0.10 0.00	26.09 0.13 0.00	26.09 0.13 0.00	28.20 0.14 0.00	33.13 0.13 0.00	43.29 0.04 0.00	51.35 0.10 0.00	55.64 0.11 0.00	55.69 0.11 0.00	47.69 0.05 0.00	39.10 0.08 0.00	32.23 0.10 0.00
JENNISON____1 23625	28.86 1.11 0.00	22.21 0.90 0.00	20.74 0.72 -0.06	20.68 0.62 0.00	23.16 0.63 0.00	30.90 1.02 0.00	36.97 1.46 0.00	38.86 1.31 0.00	36.09 1.45 0.00	30.53 0.83 0.00	29.36 0.77 0.00	27.85 1.05 0.00	26.48 0.97 -0.02	27.07 1.09 -0.02	27.30 1.30 -0.04	29.35 1.29 0.00	34.55 1.55 0.00	45.67 2.42 0.00	54.42 3.18 0.00	59.02 3.50 0.00	59.30 3.72 0.00	50.60 2.95 0.00	41.01 1.99 0.00	33.84 1.70 0.00
JENNISON____2 23626	28.86 1.11 0.00	22.21 0.90 0.00	20.74 0.72 -0.06	20.68 0.62 0.00	23.16 0.63 0.00	30.90 1.02 0.00	36.97 1.46 0.00	38.86 1.31 0.00	36.09 1.45 0.00	30.53 0.83 0.00	29.36 0.77 0.00	27.85 1.05 0.00	26.48 0.97 -0.02	27.07 1.09 -0.02	27.30 1.30 -0.04	29.35 1.29 0.00	34.55 1.55 0.00	45.67 2.42 0.00	54.42 3.18 0.00	59.02 3.50 0.00	59.30 3.72 0.00	50.60 2.95 0.00	41.01 1.99 0.00	33.84 1.70 0.00
JERICOHO_RISE_WT_PWR 323719	27.56 -0.19 0.00	21.04 -0.28 0.00	19.80 -0.16 0.00	19.94 -0.12 0.00	22.42 -0.11 0.00	29.85 -0.03 0.00	35.26 -0.25 0.00	37.14 -0.41 0.00	34.29 -0.35 0.00	29.61 -0.09 0.00	28.36 -0.23 0.00	26.27 -0.54 0.00	24.81 -0.69 0.00	25.13 -0.83 0.00	25.08 -0.88 0.00	27.25 -0.81 0.00	32.47 -0.53 0.00	43.29 0.04 0.00	51.81 0.56 0.00	56.36 0.83 0.00	56.30 0.72 0.00	48.31 0.67 0.00	39.49 0.47 0.00	32.26 0.13 0.00
KATONAH__115KV_46KV_TB4 355592	29.47 1.72 0.00	22.79 1.47 0.00	21.49 1.36 -0.18	21.38 1.32 0.00	23.86 1.33 0.00	31.55 1.67 0.00	37.53 2.02 0.00	40.03 2.48 0.00	37.06 2.42 0.00	31.84 2.14 0.00	30.79 2.20 0.00	29.11 2.31 0.00	28.30 2.35 -0.46	28.79 2.47 -0.36	29.33 2.49 -0.88	30.78 2.67 -0.05	35.77 2.77 0.00	46.45 3.20 0.00	54.63 3.38 0.00	59.25 3.72 0.00	59.30 3.72 0.00	50.65 3.00 0.00	41.48 2.46 0.00	34.22 2.09 0.00
KCE_NY_1 323755	29.03 1.28 0.00	22.40 1.09 0.00	21.20 1.02 -0.22	21.04 0.98 0.00	23.55 1.01 0.00	31.16 1.28 0.00	37.38 1.53 -0.34	39.75 1.61 -0.59	35.92 1.28 0.00	30.59 0.89 0.00	29.50 0.91 0.00	27.59 0.78 0.00	26.30 0.84 0.03	26.90 0.96 0.02	26.86 0.96 0.06	29.24 1.18 0.00	34.35 1.35 0.00	44.42 1.17 0.00	56.16 1.64 -3.27	66.72 2.06 -9.14	70.43 2.28 -12.56	55.94 1.62 -6.68	45.53 1.44 -5.06	33.42 1.29 0.00
KCE_NY_6_ESR 323823	26.47 -1.28 0.00	20.31 -1.00 0.00	18.79 -1.20 -0.03	18.88 -1.18 0.00	21.07 -1.46 0.00	27.91 -1.97 0.00	33.34 -2.17 0.00	34.99 -2.55 0.00	32.63 -2.01 0.00	27.71 -1.99 0.00	26.79 -1.80 0.00	25.63 -1.18 0.00	24.43 -1.07 0.00	25.11 -0.86 0.00	25.34 -0.62 0.00	27.02 -1.04 0.00	31.15 -1.85 0.00	40.70 -2.55 0.00	47.71 -3.54 0.00	52.25 -3.28 0.00	52.36 -3.23 0.00	44.83 -2.81 0.00	36.76 -2.26 0.00	30.72 -1.41 0.00
KEDC_PORT_JEFF_GT2 24210	33.86 2.80 -3.31	23.63 2.30 -0.01	22.28 2.14 -0.18	22.17 2.11 -0.01	34.11 2.21 -9.37	45.86 2.81 -13.17	48.60 3.23 -9.86	55.23 3.61 -14.07	48.19 3.60 -9.95	46.40 3.18 -13.53	48.84 2.97 -17.28	48.74 3.03 -18.90	48.75 3.03 -20.22	48.78 3.11 -19.70	49.28 3.11 -20.20	50.48 3.31 -19.11	52.71 3.56 -16.15	78.48 3.98 -31.25	154.13 4.31 -98.58	146.52 4.78 -86.22	149.23 4.72 -88.93	79.90 3.76 -28.49	53.67 3.51 -11.14	50.37 3.18 -15.05
KEDC_PORT_JEFF_GT3 24211	33.86 2.80 -3.31	23.63 2.30 -0.01	22.28 2.14 -0.18	22.17 2.11 -0.01	34.11 2.21 -9.37	45.86 2.81 -13.17	48.60 3.23 -9.86	55.23 3.61 -14.07	48.19 3.60 -9.95	46.40 3.18 -13.53	48.84 2.97 -17.28	48.74 3.03 -18.90	48.75 3.03 -20.22	48.78 3.11 -19.70	49.28 3.11 -20.20	50.48 3.31 -19.11	52.71 3.56 -16.15	78.48 3.98 -31.25	154.13 4.31 -98.58	146.52 4.78 -86.22	149.23 4.72 -88.93	79.90 3.76 -28.49	53.67 3.51 -11.14	50.37 3.18 -15.05
KEDC_GLWD_GT4 24219	34.20 2.11 -4.34	23.09 1.77 -0.01	21.76 1.62 -0.19	21.68 1.61 -0.01	36.45 1.64 -12.27	49.67 2.09 -17.69	51.30 2.56 -13.23	51.75 3.01 -11.19	50.99 2.98 -13.37	43.93 2.70 -11.53	54.40 2.60 -23.22	54.91 2.71 -25.40	55.27 2.75 -27.02	55.17 2.86 -26.35	55.69 2.88 -26.85	56.77 3.06 -25.65	57.83 3.14 -21.70	69.09 3.50 -22.34	61.48 3.69 -6.54	64.27 4.05 -4.69	63.01 4.00 -3.42	64.59 3.24 -13.70	55.16 2.96 -13.17	54.93 2.57 -20.22
KEDC_GLWD_GT5 24220	34.20 2.11 -4.34	23.09 1.77 -0.01	21.76 1.62 -0.19	21.68 1.61 -0.01	36.45 1.64 -12.27	49.67 2.09 -17.69	51.30 2.56 -13.23	51.75 3.01 -11.19	50.99 2.98 -13.37	43.93 2.70 -11.53	54.40 2.60 -23.22	54.91 2.71 -25.40	55.27 2.75 -27.02	55.17 2.86 -26.35	55.69 2.88 -26.85	56.77 3.06 -25.65	57.83 3.14 -21.70	69.09 3.50 -22.34	61.48 3.69 -6.54	64.27 4.05 -4.69	63.01 4.00 -3.42	64.59 3.24 -13.70	55.16 2.96 -13.17	54.93 2.57 -20.22
KENSICO____ 23655	29.44 1.69 0.00	22.74 1.43 0.00	21.45 1.32 -0.18	21.34 1.28 0.00	23.82 1.28 0.00	31.46 1.58 0.00	37.46 1.95 0.00	39.99 2.44 0.00	37.06 2.42 0.00	31.90 2.20 0.00	30.79 2.20 0.00	29.11 2.31 0.00	28.32 2.37 -0.45	28.78 2.47 -0.35	29.31 2.49 -0.86	30.81 2.69 -0.05	35.77 2.77 0.00	46.36 3.11 0.00	54.47 3.23 0.00	59.13 3.61 0.00	59.08 3.50 0.00	50.50 2.86 0.00	41.40 2.38 0.00	34.16 2.02 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	29.27 1.53 0.00	22.59 1.28 0.00	21.33 1.20 -0.17	21.22 1.16 0.00	23.68 1.15 0.00	31.28 1.40 0.00	37.26 1.78 0.03	39.90 2.40 0.05	36.96 2.32 0.00	31.66 1.96 0.00	30.53 1.94 0.00	28.90 2.09 0.00	27.99 2.14 -0.35	28.47 2.23 -0.28	28.94 2.31 -0.67	30.57 2.47 -0.04	35.64 2.64 0.00	46.49 3.24 0.00	54.53 3.54 0.25	58.71 3.89 0.70	58.51 3.89 0.96	50.23 3.10 0.51	41.13 2.50 0.39	34.22 2.09 0.00



KIAC_JFK_GT1 23816	29.30 1.55 0.00	22.64 1.32 0.00	21.33 1.20 -0.18	21.20 1.14 0.00	23.66 1.13 0.00	31.31 1.43 0.00	37.46 1.95 0.00	40.10 2.55 0.00	37.23 2.60 0.00	32.16 2.46 0.00	30.96 2.37 0.00	29.30 2.49 0.00	28.52 2.58 -0.45	28.99 2.67 -0.36	29.52 2.70 -0.86	31.00 2.89 -0.05	36.00 3.00 0.00	46.32 3.07 0.00	54.32 3.07 0.00	58.86 3.33 0.00	58.80 3.22 0.00	50.26 2.62 0.00	41.44 2.42 0.00	34.13 1.99 0.00
KIAC_JFK_GT2 23817	29.30 1.55 0.00	22.64 1.32 0.00	21.33 1.20 -0.18	21.20 1.14 0.00	23.66 1.13 0.00	31.31 1.43 0.00	37.46 1.95 0.00	40.10 2.55 0.00	37.23 2.60 0.00	32.16 2.46 0.00	30.96 2.37 0.00	29.30 2.49 0.00	28.52 2.58 -0.45	28.99 2.67 -0.36	29.52 2.70 -0.86	31.00 2.89 -0.05	36.00 3.00 0.00	46.32 3.07 0.00	54.32 3.07 0.00	58.86 3.33 0.00	58.80 3.22 0.00	50.26 2.62 0.00	41.44 2.42 0.00	34.13 1.99 0.00
KIAC_JFK____ 323774	29.30 1.55 0.00	22.64 1.32 0.00	21.33 1.20 -0.18	21.20 1.14 0.00	23.66 1.13 0.00	31.31 1.43 0.00	37.46 1.95 0.00	40.10 2.55 0.00	37.24 2.60 0.00	32.16 2.46 0.00	30.96 2.37 0.00	29.30 2.49 0.00	28.52 2.57 -0.45	28.99 2.67 -0.36	29.52 2.70 -0.86	31.00 2.89 -0.05	36.03 3.03 0.00	46.32 3.07 0.00	54.32 3.07 0.00	58.86 3.33 0.00	58.80 3.22 0.00	50.22 2.57 0.00	41.44 2.42 0.00	34.13 1.99 0.00
KINTIGH__24_KV_GSU 356498	26.19 -1.55 0.00	20.12 -1.19 0.00	18.74 -1.24 -0.02	18.78 -1.28 0.00	21.00 -1.53 0.00	27.73 -2.15 0.00	32.99 -2.52 0.00	34.73 -2.82 0.00	32.25 -2.39 0.00	27.44 -2.26 0.00	26.47 -2.12 0.00	25.25 -1.55 0.00	24.04 -1.45 0.00	24.69 -1.27 0.00	24.84 -1.12 0.00	26.52 -1.54 0.00	30.65 -2.34 0.00	39.79 -3.46 0.00	47.04 -4.20 0.00	51.31 -4.22 0.00	51.52 -4.06 0.00	44.17 -3.48 0.00	36.37 -2.65 0.00	30.37 -1.77 0.00
KINTIGH____ 23543	26.19 -1.55 0.00	20.12 -1.19 0.00	18.74 -1.24 -0.02	18.78 -1.28 0.00	21.00 -1.53 0.00	27.73 -2.15 0.00	32.99 -2.52 0.00	34.73 -2.82 0.00	32.25 -2.39 0.00	27.44 -2.26 0.00	26.47 -2.12 0.00	25.25 -1.55 0.00	24.04 -1.45 0.00	24.69 -1.27 0.00	24.84 -1.12 0.00	26.52 -1.54 0.00	30.65 -2.34 0.00	39.79 -3.46 0.00	47.04 -4.20 0.00	51.31 -4.22 0.00	51.52 -4.06 0.00	44.17 -3.48 0.00	36.37 -2.65 0.00	30.37 -1.77 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	27.94 0.19 0.00	21.29 -0.02 0.00	20.06 0.10 0.00	20.18 0.12 0.00	22.65 0.11 0.00	30.36 0.48 0.00	35.87 0.36 0.00	37.74 0.19 0.00	34.78 0.14 0.00	30.11 0.42 0.00	28.79 0.20 0.00	26.62 -0.19 0.00	25.09 -0.41 0.00	25.37 0.00 0.00	25.28 -0.67 0.00	27.53 -0.53 0.00	32.90 -0.10 0.00	44.11 0.86 0.00	53.04 1.79 0.00	57.80 2.28 0.00	57.69 2.11 0.00	49.41 1.76 0.00	40.38 1.37 0.00	32.94 0.80 0.00
LACHUTE____HYDRO 323717	29.38 1.64 0.00	22.68 1.37 0.00	21.50 1.32 -0.22	21.32 1.26 0.00	23.84 1.31 0.00	31.64 1.76 0.00	37.91 2.09 -0.30	40.36 2.37 -0.45	36.27 1.63 0.00	30.47 0.77 0.00	29.44 0.86 0.00	27.37 0.56 0.00	26.12 0.66 0.03	26.77 0.83 0.03	26.75 0.86 0.06	29.35 1.29 0.00	34.78 1.78 0.00	44.46 1.21 0.00	55.84 2.10 -2.50	65.60 3.11 -6.97	68.77 3.61 -9.58	54.93 2.19 -5.09	44.64 1.76 -3.86	33.58 1.45 0.00
LAWRNCALV_115KV_TB1 80681	26.94 -0.80 0.00	20.55 -0.77 0.00	19.32 -0.64 0.00	19.42 -0.64 0.00	21.83 -0.70 0.00	29.37 -0.51 0.00	34.91 -0.60 0.00	36.91 -0.64 0.00	33.94 -0.69 0.00	29.16 -0.53 0.00	27.73 -0.86 0.00	25.74 -1.07 0.00	24.37 -1.12 0.00	24.67 -1.30 0.00	24.58 -1.38 0.00	26.66 -1.40 0.00	31.78 -1.22 0.00	42.43 -0.82 0.00	50.58 -0.67 0.00	54.86 -0.67 0.00	54.80 -0.78 0.00	47.12 -0.52 0.00	38.43 -0.59 0.00	31.30 -0.84 0.00
LEDERLE____ 23769	29.39 1.64 0.00	22.70 1.39 0.00	21.41 1.28 -0.17	21.30 1.24 0.00	23.77 1.24 0.00	31.40 1.52 0.00	37.43 1.92 0.00	39.95 2.40 0.00	36.99 2.36 0.00	31.81 2.11 0.00	30.70 2.12 0.00	29.03 2.23 0.00	28.21 2.29 -0.42	28.69 2.39 -0.33	29.21 2.44 -0.81	30.75 2.64 -0.05	35.73 2.74 0.00	46.41 3.16 0.00	54.57 3.33 0.00	59.19 3.66 0.00	59.19 3.61 0.00	50.55 2.91 0.00	41.40 2.38 0.00	34.16 2.02 0.00
LIGHTHSE_115KV_TB6 355974	27.25 -0.50 0.00	20.95 -0.36 0.00	19.57 -0.40 -0.01	19.62 -0.44 0.00	22.01 -0.52 0.00	29.25 -0.63 0.00	34.84 -0.67 0.00	36.72 -0.83 0.00	33.70 -0.94 0.00	28.75 -0.95 0.00	27.67 -0.91 0.00	26.06 -0.75 0.00	24.78 -0.71 0.00	25.31 -0.65 0.00	25.31 -0.65 0.00	27.33 -0.73 0.00	32.11 -0.89 0.00	42.34 -0.91 0.00	50.48 -0.77 0.00	54.86 -0.67 0.00	55.03 -0.56 0.00	47.12 -0.52 0.00	38.47 -0.55 0.00	31.72 -0.42 0.00
LINDEN COGEN____ 23786	26.29 1.66 3.12	22.74 1.43 0.00	21.43 1.30 -0.17	21.30 1.24 0.00	23.77 1.24 0.00	27.27 1.52 4.14	28.22 1.92 9.21	29.47 2.44 10.52	29.21 2.50 7.92	27.85 2.35 4.19	27.88 2.34 3.05	27.34 2.44 1.91	26.67 2.55 1.37	26.91 2.65 1.70	26.91 2.67 1.72	28.54 2.86 2.39	30.55 2.97 5.42	32.88 3.20 13.57	35.95 3.23 18.52	43.33 3.56 15.75	43.28 3.50 15.81	34.49 2.81 15.96	30.14 2.42 11.30	27.16 2.09 7.06
LINDHRST_69_KV_BK1 356055	33.80 2.58 -3.47	23.48 2.15 -0.01	22.12 1.98 -0.19	22.01 1.95 -0.01	34.41 2.05 -9.82	46.38 2.60 -13.90	48.96 3.05 -10.40	50.21 3.45 -9.21	48.61 3.46 -10.51	46.07 3.06 -13.32	49.68 2.86 -18.24	49.68 2.92 -19.95	49.75 2.93 -21.32	49.80 3.06 -20.78	50.30 3.06 -21.28	51.45 3.23 -20.16	53.41 3.37 -17.05	65.66 3.81 -18.61	67.22 4.05 -11.93	69.70 4.50 -9.68	68.92 4.39 -8.95	63.45 3.72 -12.09	52.78 3.32 -10.45	51.04 3.02 -15.89
LIPA_MISC_IPP 23656	33.88 2.83 -3.30	23.67 2.34 -0.01	22.30 2.16 -0.18	22.19 2.13 -0.01	34.14 2.25 -9.35	45.89 2.87 -13.15	48.69 3.34 -9.84	54.36 3.72 -13.09	48.24 3.67 -9.94	46.44 3.21 -13.53	48.81 2.97 -17.25	48.68 3.00 -18.87	48.67 2.98 -20.19	48.72 3.09 -19.67	49.19 3.06 -20.17	50.39 3.26 -19.07	52.62 3.50 -16.12	76.09 4.07 -28.78	138.51 4.36 -82.91	132.74 4.83 -72.38	134.85 4.78 -74.49	77.01 3.95 -25.42	53.43 3.51 -10.90	50.34 3.18 -15.02
LISF____SOLAR 323691	33.97 2.91 -3.31	23.71 2.39 -0.01	22.36 2.22 -0.18	22.26 2.19 -0.01	34.19 2.30 -9.36	45.99 2.96 -13.15	48.77 3.41 -9.85	54.52 3.79 -13.17	48.32 3.74 -9.94	46.50 3.27 -13.53	48.85 3.00 -17.26	48.72 3.03 -18.88	48.73 3.03 -20.20	48.76 3.11 -19.68	49.25 3.11 -20.18	50.45 3.31 -19.08	52.73 3.60 -16.13	76.42 4.19 -28.98	140.00 4.61 -84.14	134.16 5.16 -73.47	136.31 5.11 -75.62	77.40 4.10 -25.66	53.57 3.63 -10.92	50.45 3.28 -15.03
LITTLE FALLS____HYD 24013	27.83 0.08 0.00	21.38 0.06 0.00	20.00 0.04 0.00	20.06 0.00 0.00	22.51 -0.02 0.00	29.88 0.00 0.00	35.55 0.04 0.00	37.55 0.00 0.00	34.64 0.00 0.00	29.64 -0.06 0.00	28.53 -0.06 0.00	26.81 0.00 0.00	25.50 0.00 0.00	25.99 0.03 0.00	26.01 0.05 0.00	28.09 0.03 0.00	33.00 0.00 0.00	43.25 0.00 0.00	51.30 0.05 0.00	55.58 0.06 0.00	55.69 0.11 0.00	47.69 0.05 0.00	39.02 0.00 0.00	32.20 0.06 0.00



LITTLRIV_115KV_TB1 356100	27.22 -0.53 0.00	20.74 -0.58 0.00	19.50 -0.46 0.00	19.60 -0.46 0.00	22.06 -0.47 0.00	29.70 -0.18 0.00	35.33 -0.18 0.00	37.32 -0.23 0.00	34.19 -0.45 0.00	29.31 -0.39 0.00	27.84 -0.74 0.00	25.84 -0.97 0.00	24.45 -1.05 0.00	24.74 -1.22 0.00	24.69 -1.27 0.00	26.74 -1.32 0.00	31.97 -1.02 0.00	42.82 -0.43 0.00	51.19 -0.05 0.00	55.64 0.11 0.00	55.64 0.06 0.00	47.79 0.14 0.00	38.90 -0.12 0.00	31.65 -0.48 0.00
LI_NEWBRDGE___DRP 323616	33.01 2.05 -3.21	23.05 1.73 -0.01	21.74 1.60 -0.18	21.67 1.60 -0.01	33.30 1.69 -9.08	44.72 2.12 -12.71	47.57 2.56 -9.51	48.56 2.97 -8.04	47.26 3.01 -9.61	46.06 2.70 -13.66	47.87 2.60 -16.68	47.76 2.71 -18.25	47.76 2.73 -19.54	47.83 2.83 -19.03	48.32 2.83 -19.53	49.45 2.95 -18.44	51.59 3.00 -15.59	62.67 3.37 -16.05	59.48 3.54 -4.70	62.84 3.94 -3.37	61.88 3.84 -2.46	60.63 3.14 -9.85	51.33 2.85 -9.47	49.27 2.60 -14.53
LOCKPORT_115KV_TB60_63_64 80432	25.97 -1.78 0.00	19.95 -1.36 0.00	18.51 -1.48 -0.03	18.56 -1.50 0.00	20.73 -1.80 0.00	27.49 -2.39 0.00	32.78 -2.73 0.00	34.47 -3.08 0.00	32.04 -2.60 0.00	27.20 -2.49 0.00	26.27 -2.32 0.00	25.15 -1.66 0.00	23.94 -1.56 0.00	24.64 -1.32 0.00	24.82 -1.14 0.00	26.46 -1.60 0.00	30.49 -2.51 0.00	39.66 -3.59 0.00	46.48 -4.77 0.00	50.81 -4.72 0.00	50.97 -4.61 0.00	43.74 -3.91 0.00	36.05 -2.97 0.00	30.14 -1.99 0.00
LOCKPORT___CC1 323769	26.00 -1.75 0.00	19.95 -1.36 0.00	18.51 -1.48 -0.03	18.58 -1.48 0.00	20.75 -1.78 0.00	27.55 -2.33 0.00	32.88 -2.63 0.00	34.54 -3.01 0.00	32.18 -2.46 0.00	27.26 -2.43 0.00	26.33 -2.26 0.00	25.23 -1.58 0.00	24.02 -1.48 0.00	24.72 -1.25 0.00	24.89 -1.07 0.00	26.55 -1.52 0.00	30.59 -2.41 0.00	39.92 -3.33 0.00	46.43 -4.82 0.00	50.92 -4.61 0.00	51.08 -4.50 0.00	43.83 -3.81 0.00	36.02 -3.00 0.00	30.14 -1.99 0.00
LOCKPORT___CC2 323770	26.00 -1.75 0.00	19.95 -1.36 0.00	18.51 -1.48 -0.03	18.58 -1.48 0.00	20.75 -1.78 0.00	27.55 -2.33 0.00	32.88 -2.63 0.00	34.54 -3.01 0.00	32.18 -2.46 0.00	27.26 -2.43 0.00	26.33 -2.26 0.00	25.23 -1.58 0.00	24.02 -1.48 0.00	24.72 -1.25 0.00	24.89 -1.07 0.00	26.55 -1.52 0.00	30.59 -2.41 0.00	39.92 -3.33 0.00	46.43 -4.82 0.00	50.92 -4.61 0.00	51.08 -4.50 0.00	43.83 -3.81 0.00	36.02 -3.00 0.00	30.14 -1.99 0.00
LOCKPORT___CC3 323771	26.00 -1.75 0.00	19.95 -1.36 0.00	18.51 -1.48 -0.03	18.58 -1.48 0.00	20.75 -1.78 0.00	27.55 -2.33 0.00	32.88 -2.63 0.00	34.54 -3.01 0.00	32.18 -2.46 0.00	27.26 -2.43 0.00	26.33 -2.26 0.00	25.23 -1.58 0.00	24.02 -1.48 0.00	24.72 -1.25 0.00	24.89 -1.07 0.00	26.55 -1.52 0.00	30.59 -2.41 0.00	39.92 -3.33 0.00	46.43 -4.82 0.00	50.92 -4.61 0.00	51.08 -4.50 0.00	43.83 -3.81 0.00	36.02 -3.00 0.00	30.14 -1.99 0.00
LOCUSVLY_69_KV_BK2 55797	34.09 2.28 -4.06	23.22 1.90 -0.01	21.90 1.76 -0.19	21.80 1.73 -0.01	35.82 1.80 -11.49	48.63 2.27 -16.48	50.53 2.70 -12.32	51.16 3.19 -10.42	50.24 3.15 -12.45	44.64 2.85 -12.09	52.95 2.74 -21.62	53.30 2.84 -23.65	53.54 2.86 -25.19	53.51 2.99 -24.56	54.00 2.99 -25.06	55.09 3.14 -23.89	56.44 3.23 -20.21	67.73 3.68 -20.80	61.23 3.89 -6.09	64.23 4.33 -4.37	62.99 4.22 -3.19	63.88 3.48 -12.76	54.41 3.12 -12.27	53.70 2.73 -18.83
LONG_LAKE_PHOENIX 24014	27.11 -0.64 0.00	20.85 -0.47 0.00	19.49 -0.48 -0.01	19.56 -0.50 0.00	21.95 -0.59 0.00	29.10 -0.78 0.00	34.66 -0.85 0.00	36.46 -1.09 0.00	33.60 -1.04 0.00	28.78 -0.92 0.00	27.73 -0.86 0.00	26.11 -0.70 0.00	24.86 -0.64 0.00	25.39 -0.57 0.00	25.41 -0.55 0.00	27.44 -0.62 0.00	32.17 -0.82 0.00	42.13 -1.12 0.00	49.96 -1.28 0.00	54.08 -1.44 0.00	54.19 -1.39 0.00	46.36 -1.29 0.00	37.97 -1.05 0.00	31.40 -0.74 0.00
LOVETT___3 23632	29.30 1.55 0.00	22.64 1.32 0.00	21.35 1.22 -0.17	21.24 1.18 0.00	23.70 1.17 0.00	31.34 1.46 0.00	37.32 1.81 0.00	39.80 2.25 0.00	36.85 2.22 0.00	31.72 2.02 0.00	30.62 2.03 0.00	28.95 2.14 0.00	28.12 2.19 -0.43	28.61 2.31 -0.34	29.12 2.34 -0.82	30.64 2.53 -0.05	35.60 2.61 0.00	46.15 2.90 0.00	54.27 3.02 0.00	58.86 3.33 0.00	58.86 3.28 0.00	50.31 2.67 0.00	41.20 2.19 0.00	34.03 1.90 0.00
LOVETT___4 23642	29.30 1.55 0.00	22.64 1.32 0.00	21.35 1.22 -0.17	21.24 1.18 0.00	23.70 1.17 0.00	31.34 1.46 0.00	37.32 1.81 0.00	39.80 2.25 0.00	36.85 2.22 0.00	31.72 2.02 0.00	30.62 2.03 0.00	28.95 2.14 0.00	28.12 2.19 -0.43	28.61 2.31 -0.34	29.12 2.34 -0.82	30.64 2.53 -0.05	35.60 2.61 0.00	46.15 2.90 0.00	54.27 3.02 0.00	58.86 3.33 0.00	58.86 3.28 0.00	50.31 2.67 0.00	41.20 2.19 0.00	34.03 1.90 0.00
LOVETT___5 23593	29.30 1.55 0.00	22.64 1.32 0.00	21.35 1.22 -0.17	21.24 1.18 0.00	23.70 1.17 0.00	31.34 1.46 0.00	37.32 1.81 0.00	39.80 2.25 0.00	36.85 2.22 0.00	31.72 2.02 0.00	30.62 2.03 0.00	28.95 2.14 0.00	28.12 2.19 -0.43	28.61 2.31 -0.34	29.12 2.34 -0.82	30.64 2.53 -0.05	35.60 2.61 0.00	46.15 2.90 0.00	54.27 3.02 0.00	58.86 3.33 0.00	58.86 3.28 0.00	50.31 2.67 0.00	41.20 2.19 0.00	34.03 1.90 0.00
LOWER RAQUET___HYD 24057	26.80 -0.94 0.00	20.42 -0.89 0.00	19.20 -0.76 0.00	19.30 -0.76 0.00	21.70 -0.83 0.00	29.19 -0.69 0.00	34.69 -0.82 0.00	36.72 -0.83 0.00	33.70 -0.93 0.00	28.96 -0.74 0.00	27.53 -1.06 0.00	25.55 -1.26 0.00	24.17 -1.33 0.00	24.48 -1.48 0.00	24.40 -1.56 0.00	26.46 -1.60 0.00	31.58 -1.42 0.00	42.17 -1.08 0.00	50.37 -0.87 0.00	54.63 -0.89 0.00	54.52 -1.06 0.00	46.88 -0.76 0.00	38.24 -0.78 0.00	31.11 -1.03 0.00
LOWER___HUDSON 24059	28.78 1.03 0.00	22.23 0.92 0.00	21.04 0.86 -0.22	20.88 0.82 0.00	23.37 0.83 0.00	30.93 1.05 0.00	37.51 1.24 -0.75	40.20 1.35 -1.30	35.78 1.14 0.00	30.59 0.89 0.00	29.47 0.89 0.00	27.59 0.78 0.00	26.31 0.84 0.02	26.88 0.93 0.02	26.84 0.93 0.05	29.15 1.09 0.00	34.15 1.15 0.00	44.20 0.95 0.00	59.81 1.28 -7.28	77.40 1.55 -20.33	85.20 1.67 -27.95	63.73 1.24 -14.85	51.49 1.21 -11.26	33.29 1.16 0.00
LOWVILLE_115KV_TB2 356335	27.55 -0.19 0.00	21.17 -0.15 0.00	19.64 -0.32 -0.01	19.64 -0.42 0.00	22.04 -0.50 0.00	29.46 -0.42 0.00	35.16 -0.36 0.00	37.02 -0.53 0.00	33.87 -0.76 0.00	28.78 -0.92 0.00	27.56 -1.03 0.00	25.90 -0.91 0.00	24.60 -0.89 0.00	25.08 -0.88 0.00	25.13 -0.83 0.00	27.16 -0.90 0.00	32.17 -0.82 0.00	42.77 -0.48 0.00	51.24 0.00 0.00	56.14 0.61 0.00	55.97 0.39 0.00	47.88 0.24 0.00	38.86 -0.16 0.00	31.88 -0.26 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	29.00 1.25 0.00	22.38 1.07 0.00	21.18 1.00 -0.22	21.04 0.98 0.00	23.52 0.99 0.00	31.16 1.28 0.00	37.34 1.49 -0.34	39.75 1.61 -0.59	35.92 1.28 0.00	30.56 0.86 0.00	29.47 0.89 0.00	27.56 0.75 0.00	26.31 0.84 0.03	26.90 0.96 0.02	26.86 0.96 0.06	29.21 1.15 0.00	34.35 1.35 0.00	44.42 1.17 0.00	56.11 1.59 -3.27	66.72 2.05 -9.14	70.31 2.17 -12.56	55.89 1.57 -6.68	45.49 1.40 -5.06	33.42 1.29 0.00



LUTHERNY_35_KV_BK2 355980	29.02 1.28 0.00	22.40 1.09 0.00	21.20 1.02 -0.22	21.04 0.98 0.00	23.55 1.01 0.00	31.16 1.28 0.00	37.38 1.53 -0.34	39.75 1.61 -0.59	35.92 1.28 0.00	30.59 0.89 0.00	29.47 0.89 0.00	27.58 0.78 0.00	26.31 0.84 0.03	26.90 0.96 0.02	26.86 0.96 0.06	29.24 1.18 0.00	34.38 1.39 0.00	44.46 1.21 0.00	56.16 1.64 -3.27	66.77 2.11 -9.14	70.37 2.22 -12.56	55.94 1.62 -6.68	45.53 1.44 -5.06	33.42 1.29 0.00
LWR___OSWEGATCHIE_HYD 23850	26.83 -0.92 0.00	20.53 -0.79 0.00	19.20 -0.76 0.00	19.24 -0.82 0.00	21.61 -0.92 0.00	29.01 -0.87 0.00	34.55 -0.96 0.00	36.50 -1.05 0.00	33.42 -1.21 0.00	28.51 -1.19 0.00	27.21 -1.37 0.00	25.41 -1.39 0.00	24.09 -1.40 0.00	24.46 -1.51 0.00	24.45 -1.51 0.00	26.46 -1.60 0.00	31.48 -1.52 0.00	42.00 -1.25 0.00	50.22 -1.02 0.00	54.80 -0.72 0.00	54.69 -0.89 0.00	46.93 -0.71 0.00	38.16 -0.86 0.00	31.14 -1.00 0.00
LYONS_FALL_HYD 23570	27.78 0.03 0.00	21.34 0.02 0.00	19.88 -0.08 -0.01	19.88 -0.18 0.00	22.31 -0.23 0.00	29.79 -0.09 0.00	35.51 0.00 0.00	37.44 -0.11 0.00	34.32 -0.31 0.00	29.19 -0.51 0.00	28.01 -0.57 0.00	26.35 -0.46 0.00	25.04 -0.46 0.00	25.52 -0.44 0.00	25.60 -0.36 0.00	27.64 -0.42 0.00	32.67 -0.33 0.00	43.25 0.00 0.00	51.61 0.36 0.00	56.36 0.83 0.00	56.30 0.72 0.00	48.17 0.53 0.00	39.18 0.16 0.00	32.20 0.06 0.00
MADISON___COUNTY_LFGE 323628	28.19 0.44 0.00	21.70 0.38 0.00	20.27 0.30 -0.01	20.30 0.24 0.00	22.78 0.25 0.00	30.33 0.45 0.00	36.18 0.67 0.00	38.15 0.60 0.00	35.02 0.38 0.00	29.82 0.12 0.00	28.67 0.09 0.00	27.02 0.21 0.00	25.70 0.20 0.00	26.22 0.26 0.00	26.30 0.34 0.00	28.40 0.34 0.00	33.46 0.46 0.00	44.03 0.78 0.00	52.37 1.13 0.00	56.91 1.39 0.00	57.08 1.50 0.00	48.79 1.14 0.00	39.80 0.78 0.00	32.81 0.67 0.00
MALONE___115KV_TB1 356076	27.64 -0.11 0.00	21.06 -0.26 0.00	19.84 -0.12 0.00	19.96 -0.10 0.00	22.38 -0.16 0.00	29.91 0.03 0.00	35.44 -0.07 0.00	37.40 -0.15 0.00	34.46 -0.17 0.00	29.79 0.09 0.00	28.44 -0.14 0.00	26.35 -0.46 0.00	24.91 -0.59 0.00	25.21 -0.75 0.00	25.13 -0.83 0.00	27.30 -0.76 0.00	32.60 -0.40 0.00	43.60 0.35 0.00	52.22 0.97 0.00	56.75 1.22 0.00	56.64 1.06 0.00	48.55 0.91 0.00	39.64 0.62 0.00	32.30 0.16 0.00
MAPLEWOD_115KV_TB3 80458	28.64 0.89 0.00	22.15 0.83 0.00	20.96 0.78 -0.22	20.80 0.74 0.00	23.25 0.72 0.00	30.72 0.84 0.00	36.04 0.89 0.35	37.96 1.01 0.61	35.54 0.90 0.00	30.41 0.71 0.00	29.33 0.74 0.00	27.48 0.67 0.00	26.24 0.76 0.02	26.80 0.86 0.02	26.77 0.86 0.04	29.04 0.98 0.00	33.99 0.99 0.00	43.98 0.74 0.00	48.78 0.97 3.43	47.11 1.17 9.58	43.62 1.22 13.18	41.55 0.91 7.00	34.64 0.94 5.31	33.10 0.96 0.00
MAPLE_RIDGE_WT_1 323574	27.58 -0.17 0.00	21.10 -0.21 0.00	19.74 -0.22 0.00	19.80 -0.26 0.00	22.22 -0.32 0.00	29.34 -0.54 0.00	34.69 -0.82 0.00	36.65 -0.90 0.00	33.91 -0.73 0.00	29.22 -0.48 0.00	28.13 -0.46 0.00	26.35 -0.46 0.00	25.04 -0.46 0.00	25.50 -0.47 0.00	25.49 -0.47 0.00	27.61 -0.45 0.00	32.60 -0.39 0.00	42.99 -0.26 0.00	51.19 -0.05 0.00	55.58 0.06 0.00	55.58 0.00 0.00	47.55 -0.10 0.00	38.90 -0.12 0.00	31.91 -0.22 0.00
MAPLE_RIDGE_WT_2 323611	27.58 -0.17 0.00	21.10 -0.21 0.00	19.74 -0.22 0.00	19.80 -0.26 0.00	22.22 -0.32 0.00	29.34 -0.54 0.00	34.69 -0.82 0.00	36.65 -0.90 0.00	33.91 -0.73 0.00	29.22 -0.48 0.00	28.13 -0.46 0.00	26.35 -0.46 0.00	25.04 -0.46 0.00	25.50 -0.47 0.00	25.49 -0.47 0.00	27.61 -0.45 0.00	32.60 -0.39 0.00	42.99 -0.26 0.00	51.19 -0.05 0.00	55.58 0.06 0.00	55.58 0.00 0.00	47.55 -0.10 0.00	38.90 -0.12 0.00	31.91 -0.22 0.00
MARBLE_RIVER_WT_PWR 323696	27.61 -0.14 0.00	21.08 -0.23 0.00	19.84 -0.12 0.00	19.96 -0.10 0.00	22.47 -0.07 0.00	30.30 0.42 0.00	35.69 0.18 0.00	37.47 -0.07 0.00	34.57 -0.07 0.00	29.93 0.24 0.00	28.59 0.00 0.00	26.38 -0.43 0.00	24.81 -0.69 0.00	25.00 -0.96 0.00	24.95 -1.01 0.00	27.14 -0.93 0.00	32.47 -0.53 0.00	43.64 0.39 0.00	52.57 1.33 0.00	57.41 1.89 0.00	57.36 1.78 0.00	49.17 1.52 0.00	40.23 1.21 0.00	32.84 0.71 0.00
MARSHVLE_115KV_TB1 80742	29.19 1.44 0.00	22.51 1.19 0.00	21.33 1.12 -0.25	21.14 1.08 0.00	23.66 1.13 0.00	31.46 1.58 0.00	37.36 1.81 -0.04	39.15 1.54 -0.07	35.43 0.80 0.00	29.91 0.21 0.00	28.81 0.23 0.00	27.08 0.27 0.00	25.83 0.36 0.03	26.38 0.44 0.02	26.38 0.47 0.05	28.70 0.65 0.00	33.85 0.86 0.00	44.59 1.34 0.00	54.16 2.56 -0.35	60.12 3.61 -0.98	60.82 3.89 -1.35	51.27 2.91 -0.72	41.79 2.22 -0.54	33.93 1.80 0.00
MARSH_HILL_WT_PWR 323713	27.11 -0.64 0.00	20.70 -0.62 0.00	19.12 -0.88 -0.04	19.16 -0.90 0.00	21.43 -1.10 0.00	28.57 -1.31 0.00	34.30 -1.21 0.00	35.97 -1.58 0.00	33.22 -1.42 0.00	28.33 -1.37 0.00	27.33 -1.26 0.00	26.03 -0.78 0.00	24.81 -0.69 0.00	25.44 -0.52 0.00	25.57 -0.39 0.00	27.50 -0.56 0.00	31.97 -1.02 0.00	42.04 -1.21 0.00	49.71 -1.54 0.00	54.36 -1.17 0.00	54.47 -1.11 0.00	46.41 -1.24 0.00	37.81 -1.21 0.00	31.40 -0.74 0.00
MCINTYRE_115KV_TB2 80467	27.53 -0.22 0.00	20.97 -0.34 0.00	19.74 -0.22 0.00	19.84 -0.22 0.00	22.33 -0.20 0.00	30.06 0.18 0.00	35.79 0.28 0.00	37.77 0.23 0.00	34.57 -0.07 0.00	29.61 -0.09 0.00	28.10 -0.49 0.00	26.08 -0.72 0.00	24.68 -0.82 0.00	24.98 -0.99 0.00	24.89 -1.06 0.00	26.99 -1.07 0.00	32.30 -0.69 0.00	43.25 0.00 0.00	51.76 0.51 0.00	56.25 0.72 0.00	56.30 0.72 0.00	48.36 0.71 0.00	39.37 0.35 0.00	32.01 -0.13 0.00
MECO_____69_KV_BK1 80468	29.52 1.78 0.00	22.76 1.45 0.00	21.56 1.36 -0.24	21.38 1.32 0.00	23.93 1.40 0.00	31.82 1.94 0.00	37.76 2.20 -0.04	39.80 2.18 -0.07	36.06 1.42 0.00	30.38 0.68 0.00	29.30 0.71 0.00	27.42 0.62 0.00	26.18 0.71 0.03	26.77 0.83 0.02	26.76 0.86 0.06	29.15 1.09 0.00	34.42 1.42 0.00	45.28 2.03 0.00	54.85 3.23 -0.38	60.87 4.28 -1.07	61.55 4.50 -1.47	51.81 3.38 -0.78	42.26 2.65 -0.59	34.32 2.19 0.00
MENANDS___115KV_TB5 355628	28.52 0.78 0.00	22.08 0.77 0.00	20.88 0.70 -0.22	20.74 0.68 0.00	23.19 0.65 0.00	30.60 0.72 0.00	35.89 0.75 0.37	37.79 0.86 0.63	35.40 0.76 0.00	30.32 0.62 0.00	29.24 0.66 0.00	27.42 0.62 0.00	26.19 0.71 0.02	26.72 0.78 0.02	26.69 0.78 0.04	28.96 0.90 0.00	33.89 0.89 0.00	43.81 0.56 0.00	48.41 0.72 3.55	46.50 0.89 9.91	42.84 0.89 13.63	41.07 0.67 7.24	34.31 0.78 5.49	32.97 0.84 0.00
MG INDUSTRY___DRP 24185	28.52 0.78 0.00	22.04 0.72 0.00	20.85 0.68 -0.22	20.72 0.66 0.00	23.16 0.63 0.00	30.63 0.75 0.00	36.05 0.75 0.20	37.91 0.71 0.35	35.16 0.52 0.00	30.05 0.36 0.00	28.99 0.40 0.00	27.18 0.38 0.00	25.95 0.46 0.00	26.51 0.55 0.00	26.50 0.55 0.00	28.73 0.67 0.00	33.66 0.66 0.00	43.73 0.48 0.00	49.99 0.72 1.97	50.97 0.94 5.50	49.01 1.00 7.57	44.38 0.76 4.02	36.75 0.78 3.05	32.94 0.80 0.00



MID___OSWEGATCHIE_HYD 23849	26.83 -0.92 0.00	20.53 -0.79 0.00	19.20 -0.76 0.00	19.24 -0.82 0.00	21.61 -0.92 0.00	29.01 -0.87 0.00	34.55 -0.96 0.00	36.50 -1.05 0.00	33.42 -1.21 0.00	28.51 -1.19 0.00	27.21 -1.37 0.00	25.41 -1.39 0.00	24.09 -1.40 0.00	24.46 -1.51 0.00	24.45 -1.51 0.00	26.46 -1.60 0.00	31.48 -1.52 0.00	42.00 -1.25 0.00	50.22 -1.02 0.00	54.80 -0.72 0.00	54.69 -0.89 0.00	46.93 -0.71 0.00	38.16 -0.86 0.00	31.14 -1.00 0.00
MID___RAQUETTE_HYD 23851	26.80 -0.94 0.00	20.42 -0.90 0.00	19.20 -0.76 0.00	19.30 -0.76 0.00	21.70 -0.83 0.00	29.19 -0.69 0.00	34.69 -0.82 0.00	36.72 -0.83 0.00	33.70 -0.94 0.00	28.96 -0.74 0.00	27.53 -1.06 0.00	25.55 -1.26 0.00	24.17 -1.33 0.00	24.48 -1.48 0.00	24.40 -1.56 0.00	26.46 -1.60 0.00	31.58 -1.42 0.00	42.17 -1.08 0.00	50.32 -0.92 0.00	54.69 -0.83 0.00	54.58 -1.00 0.00	46.88 -0.76 0.00	38.24 -0.78 0.00	31.11 -1.03 0.00
MILLIKEN___1 23584	28.08 0.33 0.00	21.55 0.23 0.00	20.15 0.16 -0.04	20.18 0.12 0.00	22.62 0.09 0.00	30.09 0.21 0.00	35.94 0.43 0.00	37.81 0.26 0.00	34.67 0.03 0.00	29.64 -0.06 0.00	28.47 -0.11 0.00	26.83 0.03 0.00	25.55 0.05 0.00	26.09 0.13 0.00	26.14 0.18 0.00	28.29 0.22 0.00	33.16 0.16 0.00	43.60 0.35 0.00	51.86 0.61 0.00	56.25 0.72 0.00	56.36 0.78 0.00	48.17 0.52 0.00	39.37 0.35 0.00	32.52 0.39 0.00
MILLIKEN___2 23585	28.08 0.33 0.00	21.55 0.23 0.00	20.15 0.16 -0.04	20.18 0.12 0.00	22.62 0.09 0.00	30.09 0.21 0.00	35.94 0.43 0.00	37.81 0.26 0.00	34.67 0.03 0.00	29.64 -0.06 0.00	28.47 -0.11 0.00	26.83 0.03 0.00	25.55 0.05 0.00	26.09 0.13 0.00	26.14 0.18 0.00	28.29 0.22 0.00	33.16 0.16 0.00	43.60 0.35 0.00	51.86 0.61 0.00	56.25 0.72 0.00	56.36 0.78 0.00	48.17 0.52 0.00	39.37 0.35 0.00	32.52 0.39 0.00
MILLIKEN___DIESEL 23629	28.08 0.33 0.00	21.55 0.23 0.00	20.15 0.16 -0.04	20.18 0.12 0.00	22.62 0.09 0.00	30.09 0.21 0.00	35.94 0.43 0.00	37.81 0.26 0.00	34.67 0.03 0.00	29.64 -0.06 0.00	28.47 -0.11 0.00	26.83 0.03 0.00	25.55 0.05 0.00	26.09 0.13 0.00	26.14 0.18 0.00	28.29 0.22 0.00	33.16 0.16 0.00	43.60 0.35 0.00	51.86 0.61 0.00	56.25 0.72 0.00	56.36 0.78 0.00	48.17 0.52 0.00	39.37 0.35 0.00	32.52 0.39 0.00
MILLSEAT___LFGE 323607	26.44 -1.30 0.00	20.29 -1.02 0.00	18.87 -1.12 -0.03	18.94 -1.12 0.00	21.20 -1.33 0.00	28.15 -1.73 0.00	33.56 -1.95 0.00	35.41 -2.14 0.00	32.87 -1.77 0.00	27.77 -1.93 0.00	26.81 -1.77 0.00	25.60 -1.21 0.00	24.37 -1.12 0.00	25.08 -0.88 0.00	25.26 -0.70 0.00	26.94 -1.12 0.00	31.18 -1.81 0.00	40.79 -2.46 0.00	47.91 -3.33 0.00	52.53 -3.00 0.00	52.80 -2.78 0.00	45.12 -2.53 0.00	37.03 -1.99 0.00	30.85 -1.29 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	29.39 1.64 0.00	22.70 1.39 0.00	21.41 1.28 -0.18	21.30 1.24 0.00	23.77 1.24 0.00	31.43 1.55 0.00	37.39 1.88 0.00	39.92 2.37 0.00	36.96 2.32 0.00	31.81 2.11 0.00	30.70 2.12 0.00	29.03 2.23 0.00	28.24 2.29 -0.45	28.70 2.39 -0.35	29.23 2.41 -0.86	30.72 2.61 -0.05	35.67 2.67 0.00	46.28 3.03 0.00	54.37 3.13 0.00	58.97 3.44 0.00	58.97 3.39 0.00	50.41 2.76 0.00	41.32 2.30 0.00	34.09 1.96 0.00
MILLWOOD_13_KV_LOAD 356217	29.41 1.66 0.00	22.74 1.43 0.00	21.45 1.32 -0.18	21.34 1.28 0.00	23.82 1.28 0.00	31.49 1.61 0.00	37.46 1.95 0.00	39.95 2.40 0.00	37.03 2.39 0.00	31.84 2.14 0.00	30.76 2.17 0.00	29.09 2.28 0.00	28.26 2.32 -0.45	28.76 2.44 -0.35	29.28 2.47 -0.86	30.78 2.67 -0.05	35.73 2.74 0.00	46.36 3.11 0.00	54.52 3.28 0.00	59.13 3.61 0.00	59.14 3.56 0.00	50.50 2.86 0.00	41.40 2.38 0.00	34.16 2.02 0.00
MODEL_CITY_ENERGY 24167	25.72 -2.02 0.00	19.76 -1.56 0.00	18.33 -1.66 -0.03	18.38 -1.68 0.00	20.55 -1.98 0.00	27.19 -2.69 0.00	32.39 -3.13 0.00	34.02 -3.53 0.00	31.69 -2.94 0.00	26.88 -2.82 0.00	25.96 -2.63 0.00	24.85 -1.96 0.00	23.66 -1.84 0.00	24.33 -1.63 0.00	24.53 -1.43 0.00	26.13 -1.94 0.00	30.09 -2.90 0.00	39.14 -4.11 0.00	45.86 -5.38 0.00	50.25 -5.28 0.00	50.47 -5.11 0.00	43.31 -4.34 0.00	35.62 -3.39 0.00	29.82 -2.31 0.00
MODERN_LFGE___ 323580	25.72 -2.02 0.00	19.76 -1.56 0.00	18.33 -1.66 -0.03	18.38 -1.68 0.00	20.55 -1.98 0.00	27.19 -2.69 0.00	32.39 -3.13 0.00	34.02 -3.53 0.00	31.69 -2.94 0.00	26.88 -2.82 0.00	25.96 -2.63 0.00	24.85 -1.96 0.00	23.66 -1.84 0.00	24.33 -1.63 0.00	24.53 -1.43 0.00	26.13 -1.94 0.00	30.09 -2.90 0.00	39.14 -4.11 0.00	45.86 -5.38 0.00	50.25 -5.28 0.00	50.47 -5.11 0.00	43.31 -4.34 0.00	35.62 -3.39 0.00	29.82 -2.31 0.00
MOHAWK_PAPER___DRP 24187	28.64 0.89 0.00	22.15 0.83 0.00	20.96 0.78 -0.22	20.80 0.74 0.00	23.25 0.72 0.00	30.72 0.84 0.00	36.04 0.89 0.35	37.96 1.01 0.61	35.54 0.90 0.00	30.41 0.71 0.00	29.33 0.74 0.00	27.48 0.67 0.00	26.24 0.76 0.02	26.80 0.86 0.02	26.77 0.86 0.04	29.04 0.98 0.00	33.99 0.99 0.00	43.98 0.74 0.00	48.78 0.97 3.43	47.11 1.17 9.58	43.62 1.22 13.18	41.55 0.91 7.00	34.64 0.94 5.31	33.10 0.96 0.00
MOHICAN___35_KV_115KV_LD 80490	29.00 1.25 0.00	22.38 1.07 0.00	21.20 1.02 -0.22	21.02 0.96 0.00	23.52 0.99 0.00	31.19 1.31 0.00	37.39 1.56 -0.32	39.78 1.76 -0.47	35.88 1.25 0.00	30.35 0.65 0.00	29.27 0.69 0.00	27.32 0.51 0.00	26.08 0.61 0.03	26.66 0.73 0.03	26.65 0.75 0.06	29.10 1.04 0.00	34.35 1.35 0.00	43.86 0.61 0.00	54.92 1.08 -2.60	64.45 1.67 -7.26	67.45 1.89 -9.98	54.09 1.14 -5.30	44.02 0.98 -4.02	33.00 0.87 0.00
MONGAUP___HYD 23641	28.52 0.78 0.00	22.32 1.00 0.00	21.06 0.94 -0.16	20.96 0.90 0.00	23.39 0.86 0.00	30.48 0.60 0.00	36.33 0.82 0.00	38.75 1.20 0.00	35.75 1.11 0.00	30.62 0.92 0.00	29.53 0.94 0.00	27.88 1.07 0.00	27.03 1.15 -0.38	27.48 1.22 -0.30	27.96 1.27 -0.73	29.48 1.37 -0.04	34.45 1.45 0.00	44.93 1.69 0.00	53.04 1.79 0.00	57.58 2.06 0.00	57.75 2.17 0.00	49.21 1.57 0.00	40.66 1.64 0.00	33.52 1.38 0.00
MONTAUK___DIESEL 23721	34.35 3.30 -3.30	24.09 2.77 -0.01	22.80 2.65 -0.18	22.74 2.67 -0.01	34.77 2.88 -9.35	46.76 3.73 -13.15	49.79 4.44 -9.84	55.64 4.96 -13.13	49.32 4.75 -9.94	47.18 3.95 -13.53	49.30 3.46 -17.25	48.92 3.24 -18.87	48.72 3.03 -20.19	48.65 3.01 -19.67	48.99 2.86 -20.17	50.19 3.06 -19.07	52.55 3.43 -16.13	76.23 4.11 -28.88	139.01 4.25 -83.52	133.11 4.66 -72.92	135.19 4.56 -75.05	76.90 3.72 -25.54	53.20 3.28 -10.91	50.31 3.15 -15.03
MOONROAD_115KV_HARTFLD_TB1-2 355988	26.61 -1.14 0.00	20.33 -0.98 0.00	18.75 -1.24 -0.03	18.86 -1.20 0.00	21.07 -1.46 0.00	27.91 -1.97 0.00	33.38 -2.13 0.00	35.15 -2.40 0.00	32.94 -1.70 0.00	28.12 -1.57 0.00	27.36 -1.23 0.00	26.24 -0.56 0.00	25.09 -0.41 0.00	25.83 -0.13 0.00	26.06 0.10 0.00	27.86 -0.20 0.00	32.11 -0.89 0.00	42.00 -1.25 0.00	49.35 -1.90 0.00	53.69 -1.83 0.00	53.52 -2.06 0.00	45.64 -2.00 0.00	37.42 -1.60 0.00	31.11 -1.03 0.00



MORRIS_RIDGE___SOLAR 323848	26.80 -0.94 0.00	20.48 -0.83 0.00	18.94 -1.06 -0.04	19.00 -1.06 0.00	21.25 -1.28 0.00	28.24 -1.64 0.00	33.88 -1.63 0.00	35.41 -2.14 0.00	32.66 -1.97 0.00	27.83 -1.87 0.00	26.84 -1.74 0.00	25.63 -1.18 0.00	24.45 -1.05 0.00	25.08 -0.88 0.00	25.23 -0.73 0.00	27.08 -0.98 0.00	31.45 -1.55 0.00	41.22 -2.03 0.00	48.63 -2.61 0.00	53.30 -2.22 0.00	53.47 -2.11 0.00	45.65 -2.00 0.00	37.30 -1.72 0.00	31.04 -1.09 0.00
MORTIMER_115KV_TB3 55949	26.69 -1.05 0.00	20.51 -0.81 0.00	19.16 -0.82 -0.02	19.20 -0.86 0.00	21.52 -1.01 0.00	28.51 -1.37 0.00	33.91 -1.60 0.00	35.82 -1.73 0.00	33.15 -1.49 0.00	28.18 -1.51 0.00	27.19 -1.40 0.00	25.84 -0.97 0.00	24.60 -0.89 0.00	25.24 -0.73 0.00	25.34 -0.62 0.00	27.14 -0.93 0.00	31.58 -1.42 0.00	41.13 -2.12 0.00	48.78 -2.46 0.00	53.08 -2.44 0.00	53.30 -2.28 0.00	45.60 -2.05 0.00	37.46 -1.56 0.00	31.11 -1.03 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	29.55 1.80 0.00	22.85 1.53 0.00	21.53 1.40 -0.18	21.40 1.34 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.61 2.10 0.00	40.14 2.59 0.00	37.23 2.60 0.00	32.07 2.38 0.00	30.96 2.37 0.00	29.30 2.49 0.00	28.50 2.55 -0.45	28.99 2.67 -0.36	29.52 2.70 -0.86	31.00 2.89 -0.05	35.97 2.97 0.00	46.62 3.37 0.00	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.69 3.05 0.00	41.56 2.54 0.00	34.32 2.19 0.00
MUNSVILLE_WIND_PWR 323609	29.47 1.72 0.00	22.66 1.34 0.00	21.15 1.14 -0.06	21.06 1.00 0.00	23.57 1.04 0.00	31.58 1.70 0.00	37.93 2.42 0.00	39.76 2.21 0.00	37.48 2.84 0.00	31.36 1.66 0.00	30.10 1.51 0.00	28.66 1.85 0.00	27.20 1.68 -0.02	27.82 1.84 -0.02	28.23 2.23 -0.04	30.25 2.19 0.00	35.87 2.87 0.00	47.92 4.67 0.00	57.39 6.15 0.00	62.24 6.72 0.00	62.70 7.12 0.00	53.36 5.71 0.00	42.80 3.78 0.00	35.25 3.12 0.00
N SALMON___HYD 24042	27.64 -0.11 0.00	21.06 -0.25 0.00	19.84 -0.12 0.00	19.96 -0.10 0.00	22.38 -0.16 0.00	29.91 0.03 0.00	35.44 -0.07 0.00	37.44 -0.11 0.00	34.46 -0.17 0.00	29.79 0.09 0.00	28.44 -0.14 0.00	26.35 -0.46 0.00	24.91 -0.59 0.00	25.21 -0.75 0.00	25.13 -0.83 0.00	27.30 -0.76 0.00	32.60 -0.39 0.00	43.59 0.34 0.00	52.22 0.97 0.00	56.75 1.22 0.00	56.58 1.00 0.00	48.55 0.90 0.00	39.64 0.62 0.00	32.30 0.16 0.00
N.AKRON__115KV_KNAPP 355671	26.39 -1.36 0.00	20.27 -1.04 0.00	18.83 -1.16 -0.03	18.90 -1.16 0.00	21.16 -1.37 0.00	28.09 -1.79 0.00	33.49 -2.02 0.00	35.33 -2.22 0.00	32.73 -1.91 0.00	27.71 -1.99 0.00	26.76 -1.83 0.00	25.57 -1.23 0.00	24.35 -1.15 0.00	25.05 -0.91 0.00	25.23 -0.73 0.00	26.91 -1.15 0.00	31.12 0.00 0.00	40.57 -2.68 0.00	47.81 -3.43 0.00	52.25 -3.28 0.00	52.47 -3.11 0.00	44.88 -2.76 0.00	36.95 -2.07 0.00	30.75 -1.38 0.00
N.E_GEN_SANDY PD 24062	28.91 1.17 0.00	31.90 1.04 -9.54	28.00 0.96 -7.08	27.00 0.94 -6.00	28.10 0.95 -4.62	32.80 1.16 -1.76	44.00 1.35 -7.14	44.70 1.46 -5.69	37.30 1.35 -1.31	32.00 1.13 -1.17	29.70 1.11 0.00	27.80 0.99 0.00	26.54 1.02 -0.03	27.10 1.12 -0.02	27.10 1.09 -0.05	29.27 1.21 0.00	34.22 1.22 0.00	44.20 0.95 0.00	55.53 1.28 -3.00	65.34 1.44 -8.37	68.65 1.55 -11.52	55.00 1.24 -6.12	44.95 1.29 -4.64	35.30 1.32 -1.85
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	29.30 1.55 0.00	22.66 1.34 0.00	21.37 1.24 -0.17	21.26 1.20 0.00	23.73 1.19 0.00	31.34 1.46 0.00	37.32 1.81 0.00	39.84 2.29 0.00	36.89 2.25 0.00	31.72 2.02 0.00	30.62 2.03 0.00	28.95 2.14 0.00	28.14 2.22 -0.42	28.61 2.31 -0.34	29.14 2.36 -0.82	30.64 2.53 -0.05	35.64 2.64 0.00	46.23 2.98 0.00	54.37 3.13 0.00	58.97 3.44 0.00	58.97 3.39 0.00	50.36 2.72 0.00	41.28 2.26 0.00	34.06 1.93 0.00
N.QUEENS_27_KV_LOAD 356247	29.72 1.97 0.00	23.04 1.73 0.00	21.71 1.58 -0.18	21.56 1.50 0.00	24.04 1.51 0.00	31.43 1.55 0.00	37.43 1.92 0.00	39.99 2.44 0.00	37.20 2.56 0.00	32.13 2.44 0.00	31.10 2.52 0.00	29.46 2.65 0.00	28.70 2.75 -0.45	29.17 2.86 -0.36	29.68 2.86 -0.86	31.17 3.06 -0.05	36.10 3.10 0.00	46.71 3.46 0.00	54.57 3.33 0.00	59.13 3.61 0.00	59.03 3.45 0.00	50.50 2.86 0.00	41.40 2.38 0.00	34.22 2.09 0.00
N.TROY___115KV_TB1 355778	28.77 1.03 0.00	22.23 0.92 0.00	21.04 0.86 -0.22	20.88 0.82 0.00	23.37 0.83 0.00	30.93 1.05 0.00	37.51 1.24 -0.75	40.20 1.35 -1.30	35.78 1.14 0.00	30.59 0.89 0.00	29.47 0.89 0.00	27.58 0.78 0.00	26.31 0.84 0.02	26.88 0.93 0.02	26.85 0.93 0.05	29.15 1.09 0.00	34.18 1.19 0.00	44.24 0.99 0.00	59.81 1.28 -7.28	77.41 1.55 -20.33	85.15 1.61 -27.95	63.74 1.24 -14.85	51.49 1.21 -11.26	33.29 1.16 0.00
NARROWS_GT1_1 24228	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
NARROWS_GT1_2 24229	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
NARROWS_GT1_3 24230	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
NARROWS_GT1_4 24231	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
NARROWS_GT1_5 24232	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02



NARROWS_GT1_6 24233	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
NARROWS_GT1_7 24234	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
NARROWS_GT1_8 24235	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
NARROWS_GT2_1 24236	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
NARROWS_GT2_2 24237	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
NARROWS_GT2_3 24238	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
NARROWS_GT2_4 24239	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
NARROWS_GT2_5 24240	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
NARROWS_GT2_6 24241	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
NARROWS_GT2_7 24242	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
NARROWS_GT2_8 24243	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	28.64 0.89 0.00	22.15 0.83 0.00	20.96 0.80 -0.21	20.82 0.76 0.00	23.23 0.70 0.00	30.69 0.81 0.00	36.30 0.99 0.21	38.36 1.16 0.35	35.30 0.66 0.00	30.02 0.33 0.00	28.93 0.34 0.00	27.13 0.32 0.00	26.12 0.56 -0.07	26.67 0.65 -0.05	26.79 0.70 -0.13	28.88 0.81 -0.01	33.79 0.79 0.00	44.03 0.78 0.00	50.74 1.49 1.99	51.81 1.83 5.54	49.90 1.95 7.62	44.98 1.38 4.05	37.23 1.29 3.07	33.20 1.06 0.00
NCHELSEA_115KV_TR2 355582	29.33 1.58 0.00	22.66 1.34 0.00	21.37 1.24 -0.18	21.26 1.20 0.00	23.73 1.19 0.00	31.34 1.46 0.00	37.32 1.81 0.00	39.88 2.33 0.00	36.89 2.25 0.00	31.63 1.93 0.00	30.53 1.94 0.00	28.87 2.06 0.00	28.04 2.12 -0.43	28.54 2.23 -0.34	29.07 2.28 -0.83	30.58 2.47 -0.05	35.57 2.57 0.00	46.32 3.07 0.00	54.52 3.28 0.00	59.13 3.61 0.00	59.19 3.61 0.00	50.50 2.86 0.00	41.40 2.38 0.00	34.13 1.99 0.00
NEG CAPITAL___MECHNVIL 23645	29.05 1.30 0.00	22.42 1.11 0.00	21.22 1.04 -0.22	21.06 1.00 0.00	23.57 1.04 0.00	31.19 1.31 0.00	37.53 1.56 -0.46	40.03 1.69 -0.79	35.99 1.35 0.00	30.65 0.95 0.00	29.56 0.97 0.00	27.64 0.83 0.00	26.38 0.92 0.03	26.98 1.04 0.02	26.94 1.04 0.06	29.32 1.26 0.00	34.45 1.45 0.00	44.55 1.30 0.00	57.47 1.79 -4.43	70.11 2.22 -12.36	75.03 2.44 -17.00	58.44 1.76 -9.03	47.43 1.56 -6.85	33.52 1.38 0.00
NEG CENTRAL_HIGH_ACRES 23767	26.42 -1.33 0.00	20.27 -1.04 0.00	18.94 -1.04 -0.02	19.00 -1.06 0.00	21.32 -1.22 0.00	28.27 -1.61 0.00	33.66 -1.85 0.00	35.52 -2.03 0.00	32.83 -1.80 0.00	27.95 -1.75 0.00	26.99 -1.60 0.00	25.57 -1.23 0.00	24.35 -1.15 0.00	24.98 -0.99 0.00	25.05 -0.91 0.00	26.88 -1.18 0.00	31.35 -1.65 0.00	41.00 -2.25 0.00	48.53 -2.72 0.00	52.86 -2.66 0.00	53.03 -2.56 0.00	45.31 -2.33 0.00	37.11 -1.91 0.00	30.75 -1.38 0.00



NEG CENTRAL___DRP 24199	27.44 -0.31 0.00	21.04 -0.28 0.00	19.66 -0.32 -0.02	19.70 -0.36 0.00	22.10 -0.43 0.00	29.40 -0.48 0.00	35.08 -0.43 0.00	36.95 -0.60 0.00	33.98 -0.66 0.00	29.04 -0.65 0.00	27.96 -0.63 0.00	26.41 -0.40 0.00	25.14 -0.36 0.00	25.70 -0.26 0.00	25.78 -0.18 0.00	27.81 -0.25 0.00	32.50 -0.49 0.00	42.64 -0.61 0.00	50.53 -0.72 0.00	54.86 -0.67 0.00	54.97 -0.61 0.00	47.07 -0.57 0.00	38.47 -0.55 0.00	31.85 -0.29 0.00
NEG CENTRAL___INDECK 23768	27.42 -0.33 0.00	20.97 -0.34 0.00	19.53 -0.46 -0.03	19.58 -0.48 0.00	21.97 -0.56 0.00	29.25 -0.63 0.00	34.94 -0.57 0.00	36.76 -0.79 0.00	33.70 -0.93 0.00	28.54 -1.16 0.00	27.41 -1.17 0.00	26.03 -0.78 0.00	24.78 -0.71 0.00	25.42 -0.55 0.00	25.54 -0.42 0.00	27.44 -0.62 0.00	32.01 -0.99 0.00	42.21 -1.04 0.00	50.42 -0.82 0.00	55.36 -0.17 0.00	55.69 0.11 0.00	47.41 -0.24 0.00	38.67 -0.35 0.00	32.01 -0.13 0.00
NEG CENTRAL___SENECA 23627	27.47 -0.28 0.00	21.06 -0.26 0.00	19.62 -0.36 -0.03	19.70 -0.36 0.00	22.08 -0.45 0.00	29.37 -0.51 0.00	35.12 -0.39 0.00	36.99 -0.56 0.00	33.98 -0.66 0.00	29.01 -0.68 0.00	27.93 -0.66 0.00	26.43 -0.38 0.00	25.16 -0.33 0.00	25.78 -0.18 0.00	25.86 -0.10 0.00	27.86 -0.20 0.00	32.53 -0.46 0.00	42.69 -0.56 0.00	50.53 -0.72 0.00	54.91 -0.61 0.00	55.03 -0.56 0.00	47.17 -0.48 0.00	38.55 -0.47 0.00	31.91 -0.22 0.00
NEG CENTRAL___STATE_STREET 24147	27.55 -0.19 0.00	21.14 -0.17 0.00	19.78 -0.20 -0.02	19.84 -0.22 0.00	22.24 -0.29 0.00	29.55 -0.33 0.00	35.26 -0.25 0.00	37.14 -0.41 0.00	34.12 -0.52 0.00	29.19 -0.50 0.00	28.10 -0.49 0.00	26.51 -0.29 0.00	25.22 -0.28 0.00	25.78 -0.18 0.00	25.83 -0.13 0.00	27.92 -0.14 0.00	32.70 -0.30 0.00	42.90 -0.35 0.00	50.89 -0.36 0.00	55.19 -0.33 0.00	55.30 -0.28 0.00	47.26 -0.38 0.00	38.67 -0.35 0.00	31.94 -0.19 0.00
NEG MILLWOOD___DRP 24198	29.47 1.72 0.00	22.81 1.49 0.00	21.51 1.38 -0.18	21.40 1.34 0.00	23.86 1.33 0.00	31.58 1.70 0.00	37.57 2.06 0.00	40.10 2.55 0.00	37.10 2.46 0.00	31.81 2.11 0.00	30.73 2.14 0.00	29.09 2.28 0.00	28.24 2.29 -0.45	28.76 2.44 -0.35	29.31 2.49 -0.86	30.78 2.67 -0.05	35.77 2.77 0.00	46.54 3.29 0.00	54.78 3.54 0.00	59.41 3.89 0.00	59.53 3.95 0.00	50.79 3.14 0.00	41.56 2.54 0.00	34.29 2.15 0.00
NEG NORTH_FLCN_SEA 23793	27.89 0.14 0.00	21.29 -0.02 0.00	20.04 0.08 0.00	20.16 0.10 0.00	22.65 0.11 0.00	30.39 0.51 0.00	35.87 0.36 0.00	37.70 0.15 0.00	34.78 0.14 0.00	30.11 0.42 0.00	28.79 0.20 0.00	26.59 -0.21 0.00	25.06 -0.43 0.00	25.31 -0.65 0.00	25.26 -0.70 0.00	27.47 -0.59 0.00	32.83 -0.16 0.00	43.98 0.74 0.00	52.88 1.64 0.00	57.64 2.11 0.00	57.58 2.00 0.00	49.31 1.67 0.00	40.35 1.33 0.00	32.94 0.80 0.00
NEG NORTH_KES_CHATEGAY 23792	27.61 -0.14 0.00	21.08 -0.23 0.00	19.84 -0.12 0.00	19.98 -0.08 0.00	22.47 -0.07 0.00	29.91 0.03 0.00	35.33 -0.18 0.00	37.21 -0.34 0.00	34.33 -0.31 0.00	29.67 -0.03 0.00	28.36 -0.23 0.00	26.30 -0.51 0.00	24.83 -0.66 0.00	25.13 -0.83 0.00	25.10 -0.86 0.00	27.28 -0.79 0.00	32.50 -0.49 0.00	43.42 0.17 0.00	51.96 0.72 0.00	56.58 1.05 0.00	56.53 0.94 0.00	48.45 0.81 0.00	39.60 0.59 0.00	32.36 0.22 0.00
NEG NORTH___ALICE_FALLS 23915	27.94 0.19 0.00	21.29 -0.02 0.00	20.06 0.10 0.00	20.18 0.12 0.00	22.65 0.11 0.00	30.36 0.48 0.00	35.87 0.36 0.00	37.74 0.19 0.00	34.78 0.14 0.00	30.11 0.42 0.00	28.79 0.20 0.00	26.62 -0.19 0.00	25.09 -0.41 0.00	25.37 -0.60 0.00	25.28 -0.67 0.00	27.53 -0.53 0.00	32.90 -0.10 0.00	44.11 0.86 0.00	53.04 1.79 0.00	57.80 2.28 0.00	57.69 2.11 0.00	49.41 1.76 0.00	40.38 1.37 0.00	32.94 0.80 0.00
NEG NORTH___LWR_SARANAC 23913	27.94 0.19 0.00	21.29 -0.02 0.00	20.06 0.10 0.00	20.18 0.12 0.00	22.65 0.11 0.00	30.36 0.48 0.00	35.87 0.36 0.00	37.74 0.19 0.00	34.78 0.14 0.00	30.11 0.42 0.00	28.79 0.20 0.00	26.62 -0.19 0.00	25.09 -0.41 0.00	25.37 -0.60 0.00	25.28 -0.67 0.00	27.53 -0.53 0.00	32.90 -0.10 0.00	44.11 0.86 0.00	53.04 1.79 0.00	57.80 2.28 0.00	57.69 2.11 0.00	49.41 1.76 0.00	40.38 1.37 0.00	32.94 0.80 0.00
NEG NORTH___PLATTSBURG 23628	27.94 0.20 0.00	21.29 -0.02 0.00	20.06 0.10 0.00	20.18 0.12 0.00	22.65 0.11 0.00	30.36 0.48 0.00	35.87 0.36 0.00	37.74 0.19 0.00	34.78 0.14 0.00	30.11 0.42 0.00	28.79 0.20 0.00	26.62 -0.19 0.00	25.09 -0.41 0.00	25.37 -0.60 0.00	25.28 -0.68 0.00	27.53 -0.53 0.00	32.90 -0.10 0.00	44.11 0.86 0.00	52.99 1.74 0.00	57.80 2.28 0.00	57.64 2.06 0.00	49.41 1.76 0.00	40.38 1.36 0.00	32.94 0.80 0.00
NEG WEST_LEA_LOCKPORT 23791	26.00 -1.75 0.00	19.95 -1.36 0.00	18.51 -1.48 -0.03	18.58 -1.48 0.00	20.75 -1.78 0.00	27.55 -2.33 0.00	32.88 -2.63 0.00	34.55 -3.00 0.00	32.14 -2.49 0.00	27.26 -2.44 0.00	26.33 -2.26 0.00	25.23 -1.58 0.00	24.02 -1.48 0.00	24.72 -1.25 0.00	24.89 -1.06 0.00	26.55 -1.52 0.00	30.62 -2.38 0.00	39.79 -3.46 0.00	46.53 -4.71 0.00	50.81 -4.72 0.00	50.97 -4.61 0.00	43.74 -3.91 0.00	36.05 -2.97 0.00	30.14 -1.99 0.00
NEG WEST___LANCASTER 23811	26.61 -1.14 0.00	20.44 -0.87 0.00	18.75 -1.24 -0.03	18.98 -1.08 0.00	21.20 -1.33 0.00	28.06 -1.82 0.00	33.52 -1.99 0.00	35.22 -2.33 0.00	32.77 -1.87 0.00	27.89 -1.81 0.00	26.93 -1.66 0.00	25.76 -1.05 0.00	24.55 -0.94 0.00	25.24 -0.73 0.00	25.44 -0.52 0.00	27.22 -0.84 0.00	31.41 -1.58 0.00	40.96 -2.29 0.00	48.27 -2.97 0.00	52.64 -2.89 0.00	52.75 -2.83 0.00	45.12 -2.53 0.00	37.03 -1.99 0.00	30.88 -1.25 0.00
NEG_PENN_ALLEGHNY 23528	27.83 0.08 0.00	21.40 0.09 0.00	20.00 -0.02 -0.06	20.02 -0.04 0.00	22.42 -0.11 0.00	29.76 -0.12 0.00	35.47 -0.04 0.00	37.40 -0.15 0.00	34.50 -0.14 0.00	29.52 -0.18 0.00	28.44 -0.14 0.00	26.86 0.05 0.00	25.62 0.10 -0.02	26.18 0.21 -0.01	26.28 0.29 -0.03	28.32 0.25 0.00	33.10 0.10 0.00	43.29 0.04 0.00	51.24 0.00 0.00	55.69 0.17 0.00	55.80 0.22 0.00	47.69 0.05 0.00	38.98 -0.04 0.00	32.26 0.13 0.00
NEG___GEN_MONROE 24207	26.69 -1.05 0.00	20.48 -0.83 0.00	19.14 -0.84 -0.02	19.20 -0.86 0.00	21.52 -1.01 0.00	28.57 -1.31 0.00	33.98 -1.53 0.00	35.86 -1.69 0.00	33.11 -1.52 0.00	28.09 -1.60 0.00	27.10 -1.49 0.00	25.71 -1.10 0.00	24.48 -1.02 0.00	25.13 -0.83 0.00	25.23 -0.73 0.00	26.99 -1.07 0.00	31.41 -1.58 0.00	40.91 -2.34 0.00	48.63 -2.61 0.00	53.03 -2.50 0.00	53.30 -2.28 0.00	45.60 -2.05 0.00	37.42 -1.60 0.00	31.14 -1.00 0.00
NEPA___ENERGY 23901	26.75 -1.00 0.00	20.55 -0.77 0.00	18.97 -1.02 -0.03	19.08 -0.98 0.00	21.32 -1.22 0.00	28.18 -1.70 0.00	33.66 -1.85 0.00	35.37 -2.18 0.00	32.94 -1.70 0.00	28.06 -1.63 0.00	27.13 -1.46 0.00	25.95 -0.86 0.00	24.73 -0.76 0.00	25.42 -0.55 0.00	25.62 -0.34 0.00	27.39 -0.67 0.00	31.64 -1.35 0.00	41.22 -2.03 0.00	48.58 -2.66 0.00	53.03 -2.50 0.00	53.08 -2.50 0.00	45.41 -2.24 0.00	37.22 -1.79 0.00	31.07 -1.06 0.00



NEVERSINK___HYD 23608	29.22 1.47 0.00	22.55 1.24 0.00	21.26 1.14 -0.16	21.16 1.10 0.00	23.61 1.08 0.00	31.23 1.35 0.00	37.25 1.74 0.00	39.80 2.25 0.00	36.75 2.11 0.00	31.45 1.75 0.00	30.36 1.77 0.00	28.71 1.90 0.00	27.77 1.94 -0.34	28.28 2.05 -0.27	28.73 2.13 -0.65	30.37 2.27 -0.04	35.44 2.44 0.00	46.28 3.03 0.00	54.57 3.33 0.00	59.19 3.66 0.00	59.31 3.72 0.00	50.60 2.96 0.00	41.40 2.38 0.00	34.10 1.96 0.00
NEWKRMKL_115KV_TB1 55635	28.39 0.64 0.00	21.98 0.66 0.00	20.80 0.62 -0.22	20.66 0.60 0.00	23.07 0.54 0.00	30.48 0.60 0.00	35.78 0.57 0.30	37.71 0.68 0.51	35.23 0.59 0.00	30.14 0.45 0.00	29.10 0.51 0.00	27.29 0.48 0.00	26.03 0.56 0.03	26.59 0.65 0.02	26.56 0.65 0.05	28.82 0.76 0.00	33.76 0.76 0.00	43.64 0.39 0.00	48.86 0.51 2.90	48.10 0.67 8.10	45.17 0.72 11.13	42.21 0.48 5.92	35.16 0.62 4.49	32.81 0.67 0.00
NEWTON___FALLS_HYD 23847	26.83 -0.92 0.00	20.53 -0.79 0.00	19.20 -0.76 0.00	19.24 -0.82 0.00	21.61 -0.92 0.00	29.01 -0.87 0.00	34.55 -0.96 0.00	36.50 -1.05 0.00	33.42 -1.21 0.00	28.51 -1.19 0.00	27.21 -1.37 0.00	25.41 -1.39 0.00	24.09 -1.40 0.00	24.46 -1.51 0.00	24.45 -1.51 0.00	26.46 -1.60 0.00	31.48 -1.52 0.00	42.00 -1.25 0.00	50.22 -1.02 0.00	54.80 -0.72 0.00	54.69 -0.89 0.00	46.93 -0.71 0.00	38.16 -0.86 0.00	31.14 -1.00 0.00
NGRID_A1_DSASP 323792	25.72 -2.02 0.00	19.82 -1.49 0.00	18.41 -1.58 -0.03	18.45 -1.61 0.00	20.62 -1.92 0.00	27.10 -2.78 0.00	32.24 -3.27 0.00	33.83 -3.72 0.00	31.59 -3.05 0.00	26.82 -2.88 0.00	25.84 -2.74 0.00	24.77 -2.04 0.00	23.61 -1.89 0.00	24.25 -1.71 0.00	24.43 -1.53 0.00	25.98 -2.08 0.00	29.89 -3.10 0.00	38.84 -4.41 0.00	45.66 -5.58 0.00	50.03 -5.50 0.00	50.24 -5.34 0.00	43.16 -4.48 0.00	35.51 -3.51 0.00	29.79 -2.34 0.00
NGRID_A2_DSASP 323793	25.72 -2.02 0.00	19.82 -1.49 0.00	18.41 -1.58 -0.03	18.45 -1.61 0.00	20.62 -1.92 0.00	27.10 -2.78 0.00	32.24 -3.27 0.00	33.83 -3.72 0.00	31.59 -3.05 0.00	26.82 -2.88 0.00	25.84 -2.74 0.00	24.77 -2.04 0.00	23.61 -1.89 0.00	24.25 -1.71 0.00	24.43 -1.53 0.00	25.98 -2.08 0.00	29.89 -3.10 0.00	38.84 -4.41 0.00	45.66 -5.58 0.00	50.03 -5.50 0.00	50.24 -5.34 0.00	43.16 -4.48 0.00	35.51 -3.51 0.00	29.79 -2.34 0.00
NGRID_A4_DSASP 323807	25.72 -2.02 0.00	19.82 -1.49 0.00	18.41 -1.58 -0.03	18.45 -1.61 0.00	20.62 -1.92 0.00	27.10 -2.78 0.00	32.24 -3.27 0.00	33.83 -3.72 0.00	31.59 -3.05 0.00	26.82 -2.88 0.00	25.84 -2.74 0.00	24.77 -2.04 0.00	23.61 -1.89 0.00	24.25 -1.71 0.00	24.43 -1.53 0.00	25.98 -2.08 0.00	29.89 -3.10 0.00	38.84 -4.41 0.00	45.66 -5.58 0.00	50.03 -5.50 0.00	50.24 -5.34 0.00	43.16 -4.48 0.00	35.51 -3.51 0.00	29.79 -2.34 0.00
NIAGARA_115E_LBMP 323715	25.58 -2.16 0.00	19.65 -1.66 0.00	18.25 -1.74 -0.03	18.29 -1.77 0.00	20.44 -2.09 0.00	27.01 -2.87 0.00	32.14 -3.37 0.00	33.76 -3.79 0.00	31.49 -3.15 0.00	26.70 -3.00 0.00	25.76 -2.83 0.00	24.69 -2.12 0.00	23.51 -1.99 0.00	24.17 -1.79 0.00	24.35 -1.61 0.00	25.93 -2.13 0.00	29.86 -3.14 0.00	38.80 -4.45 0.00	45.51 -5.74 0.00	49.92 -5.61 0.00	50.08 -5.50 0.00	43.02 -4.62 0.00	35.39 -3.63 0.00	29.66 -2.47 0.00
NIAGARA_115W_LBMP 323714	25.64 -2.11 0.00	19.76 -1.56 0.00	18.37 -1.62 -0.03	18.40 -1.66 0.00	20.55 -1.98 0.00	27.01 -2.87 0.00	32.14 -3.37 0.00	33.76 -3.79 0.00	31.49 -3.15 0.00	26.73 -2.97 0.00	25.76 -2.83 0.00	24.69 -2.12 0.00	23.53 -1.96 0.00	24.17 -1.79 0.00	24.35 -1.61 0.00	25.90 -2.16 0.00	29.80 -3.20 0.00	38.66 -4.59 0.00	45.51 -5.74 0.00	49.86 -5.66 0.00	50.08 -5.50 0.00	43.02 -4.62 0.00	35.39 -3.63 0.00	29.69 -2.44 0.00
NIAGARA_230_LBMP 323716	25.89 -1.86 0.00	19.89 -1.43 0.00	18.49 -1.50 -0.03	18.53 -1.53 0.00	20.71 -1.82 0.00	27.31 -2.57 0.00	32.49 -3.02 0.00	34.13 -3.42 0.00	31.83 -2.80 0.00	27.03 -2.67 0.00	26.07 -2.52 0.00	24.96 -1.85 0.00	23.76 -1.73 0.00	24.41 -1.56 0.00	24.58 -1.38 0.00	26.18 -1.88 0.00	30.16 -2.84 0.00	39.14 -4.11 0.00	46.02 -5.23 0.00	50.42 -5.11 0.00	50.63 -4.95 0.00	43.50 -4.15 0.00	35.78 -3.24 0.00	29.98 -2.15 0.00
NIAGARA___115KV_198_GIBSON 55903	25.64 -2.11 0.00	19.76 -1.56 0.00	18.37 -1.62 -0.03	18.40 -1.66 0.00	20.55 -1.98 0.00	27.01 -2.87 0.00	32.14 -3.37 0.00	33.76 -3.79 0.00	31.45 -3.19 0.00	26.73 -2.97 0.00	25.76 -2.83 0.00	24.69 -2.12 0.00	23.51 -1.99 0.00	24.17 -1.79 0.00	24.35 -1.61 0.00	25.90 -2.16 0.00	29.83 -3.17 0.00	38.58 -4.67 0.00	45.56 -5.69 0.00	49.75 -5.77 0.00	49.97 -5.61 0.00	42.98 -4.67 0.00	35.47 -3.55 0.00	29.69 -2.44 0.00
NIAGARA____ 23760	25.89 -1.86 0.00	19.89 -1.43 0.00	18.49 -1.50 -0.03	18.53 -1.53 0.00	20.71 -1.82 0.00	27.31 -2.57 0.00	32.49 -3.02 0.00	34.13 -3.42 0.00	31.83 -2.80 0.00	27.03 -2.67 0.00	26.07 -2.52 0.00	24.96 -1.85 0.00	23.76 -1.73 0.00	24.41 -1.56 0.00	24.58 -1.38 0.00	26.18 -1.88 0.00	30.16 -2.84 0.00	39.14 -4.11 0.00	46.02 -5.23 0.00	50.42 -5.11 0.00	50.63 -4.95 0.00	43.50 -4.15 0.00	35.78 -3.24 0.00	29.98 -2.15 0.00
NINE_MILE_1 23575	26.97 -0.78 0.00	20.74 -0.57 0.00	19.41 -0.56 -0.01	19.48 -0.58 0.00	21.86 -0.68 0.00	28.95 -0.93 0.00	34.45 -1.06 0.00	36.27 -1.28 0.00	33.46 -1.18 0.00	28.66 -1.04 0.00	27.58 -1.00 0.00	25.98 -0.83 0.00	24.73 -0.76 0.00	25.24 -0.73 0.00	25.26 -0.70 0.00	27.28 -0.79 0.00	31.94 -1.06 0.00	41.82 -1.43 0.00	49.55 -1.69 0.00	53.64 -1.89 0.00	53.75 -1.83 0.00	45.98 -1.67 0.00	37.73 -1.29 0.00	31.20 -0.93 0.00
NINE_MILE_2 23744	27.00 -0.75 0.00	20.74 -0.57 0.00	19.41 -0.56 -0.01	19.48 -0.58 0.00	21.86 -0.68 0.00	28.98 -0.90 0.00	34.48 -1.03 0.00	36.27 -1.28 0.00	33.46 -1.18 0.00	28.66 -1.04 0.00	27.58 -1.00 0.00	25.98 -0.83 0.00	24.73 -0.76 0.00	25.24 -0.73 0.00	25.26 -0.70 0.00	27.28 -0.79 0.00	31.94 -1.06 0.00	41.82 -1.43 0.00	49.55 -1.69 0.00	53.64 -1.89 0.00	53.75 -1.83 0.00	45.98 -1.67 0.00	37.73 -1.29 0.00	31.20 -0.93 0.00
NM_CAPITAL___DRP 24208	28.47 0.72 0.00	22.04 0.72 0.00	20.86 0.68 -0.22	20.70 0.64 0.00	23.14 0.61 0.00	30.57 0.69 0.00	35.81 0.67 0.38	37.69 0.79 0.65	35.33 0.69 0.00	30.26 0.56 0.00	29.19 0.60 0.00	27.37 0.56 0.00	26.14 0.66 0.02	26.67 0.73 0.02	26.64 0.73 0.04	28.90 0.84 0.00	33.82 0.82 0.00	43.73 0.48 0.00	48.14 0.56 3.67	46.01 0.72 10.24	42.27 0.78 14.08	40.73 0.57 7.48	34.05 0.70 5.68	32.91 0.77 0.00
NM_CENTRAL___DRP 24181	27.47 -0.28 0.00	21.10 -0.21 0.00	19.73 -0.24 -0.02	19.80 -0.26 0.00	22.20 -0.34 0.00	29.46 -0.42 0.00	35.08 -0.43 0.00	36.95 -0.60 0.00	34.05 -0.59 0.00	29.16 -0.53 0.00	28.10 -0.49 0.00	26.49 -0.32 0.00	25.22 -0.28 0.00	25.78 -0.18 0.00	25.80 -0.16 0.00	27.86 -0.20 0.00	32.63 -0.36 0.00	42.69 -0.56 0.00	50.63 -0.61 0.00	54.86 -0.67 0.00	54.91 -0.67 0.00	46.98 -0.67 0.00	38.47 -0.55 0.00	31.81 -0.32 0.00



NM_FRONTIER___DRP 24179	25.64 -2.11 0.00	19.76 -1.56 0.00	18.37 -1.62 -0.03	18.40 -1.66 0.00	20.55 -1.98 0.00	27.01 -2.87 0.00	32.14 -3.37 0.00	33.76 -3.79 0.00	31.45 -3.19 0.00	26.73 -2.97 0.00	25.76 -2.83 0.00	24.69 -2.12 0.00	23.51 -1.99 0.00	24.17 -1.79 0.00	24.35 -1.61 0.00	25.90 -2.16 0.00	29.83 -3.17 0.00	38.58 -4.67 0.00	45.56 -5.69 0.00	49.75 -5.77 0.00	49.97 -5.61 0.00	42.98 -4.67 0.00	35.47 -3.55 0.00	29.69 -2.44 0.00
NM_ST_REGIS___HYD 24053	27.03 -0.72 0.00	20.59 -0.72 0.00	19.38 -0.58 0.00	19.48 -0.58 0.00	21.88 -0.65 0.00	29.40 -0.48 0.00	34.91 -0.60 0.00	36.91 -0.64 0.00	33.91 -0.73 0.00	29.19 -0.50 0.00	27.76 -0.83 0.00	25.76 -1.05 0.00	24.37 -1.12 0.00	24.67 -1.30 0.00	24.58 -1.38 0.00	26.66 -1.40 0.00	31.84 -1.15 0.00	42.56 -0.69 0.00	50.89 -0.36 0.00	55.25 -0.28 0.00	55.19 -0.39 0.00	47.36 -0.29 0.00	38.63 -0.39 0.00	31.43 -0.71 0.00
NORTHPORT___1 23551	33.25 2.22 -3.28	23.20 1.88 -0.01	21.88 1.74 -0.18	21.79 1.73 -0.01	33.61 1.78 -9.30	45.12 2.18 -13.06	47.62 2.34 -9.77	47.94 2.55 -7.84	47.28 2.77 -9.87	45.84 2.58 -13.56	48.18 2.46 -17.13	48.13 2.57 -18.74	48.18 2.63 -20.06	48.18 2.67 -19.54	48.65 2.65 -20.04	49.70 2.69 -18.94	51.61 2.61 -16.01	61.44 2.81 -15.38	52.02 2.97 2.19	56.08 3.28 2.72	54.87 3.22 3.93	58.90 2.52 -8.74	51.03 2.38 -9.63	49.50 2.44 -14.92
NORTHPORT___2 23552	33.25 2.22 -3.28	23.20 1.88 -0.01	21.88 1.74 -0.18	21.79 1.73 -0.01	33.61 1.78 -9.30	45.12 2.18 -13.06	47.62 2.34 -9.77	47.94 2.55 -7.84	47.28 2.77 -9.87	45.84 2.58 -13.56	48.18 2.46 -17.13	48.13 2.57 -18.74	48.18 2.63 -20.06	48.18 2.67 -19.54	48.65 2.65 -20.04	49.70 2.69 -18.94	51.61 2.61 -16.01	61.44 2.81 -15.38	52.02 2.97 2.19	56.08 3.28 2.72	54.87 3.22 3.93	58.90 2.52 -8.74	51.03 2.38 -9.63	49.50 2.44 -14.92
NORTHPORT___3 23553	33.35 2.30 -3.30	23.24 1.92 -0.01	21.92 1.78 -0.18	21.83 1.77 -0.01	33.71 1.85 -9.33	45.30 2.30 -13.12	47.80 2.48 -9.81	48.38 2.97 -7.86	47.49 2.94 -9.91	45.99 2.76 -13.53	48.42 2.63 -17.21	48.42 2.79 -18.82	48.42 2.78 -20.14	48.47 2.88 -19.62	48.94 2.86 -20.12	50.00 2.92 -19.03	51.95 2.87 -16.08	61.83 3.12 -15.46	52.51 3.43 2.17	56.64 3.83 2.71	55.44 3.78 3.93	59.29 2.86 -8.79	51.41 2.73 -9.66	49.72 2.60 -14.99
NORTHPORT___4 23650	33.35 2.30 -3.30	23.24 1.92 -0.01	21.92 1.78 -0.18	21.83 1.77 -0.01	33.71 1.85 -9.33	45.30 2.30 -13.12	47.80 2.48 -9.81	48.38 2.97 -7.86	47.49 2.94 -9.91	45.99 2.76 -13.53	48.42 2.63 -17.21	48.42 2.79 -18.82	48.42 2.78 -20.14	48.47 2.88 -19.62	48.94 2.86 -20.12	50.00 2.92 -19.03	51.95 2.87 -16.08	61.83 3.12 -15.46	52.51 3.43 2.17	56.64 3.83 2.71	55.44 3.78 3.93	59.29 2.86 -8.79	51.41 2.73 -9.66	49.72 2.60 -14.99
NORTHPORT___IC 23718	33.25 2.22 -3.28	23.20 1.88 -0.01	21.88 1.74 -0.18	21.79 1.73 -0.01	33.61 1.78 -9.30	45.12 2.18 -13.06	47.59 2.31 -9.77	47.94 2.55 -7.84	47.28 2.77 -9.87	45.84 2.58 -13.56	48.18 2.46 -17.13	48.13 2.57 -18.74	48.15 2.60 -20.06	48.21 2.70 -19.54	48.65 2.65 -20.04	49.70 2.69 -18.94	51.58 2.57 -16.01	61.44 2.81 -15.38	51.92 2.87 2.19	55.97 3.16 2.72	54.77 3.11 3.93	58.95 2.57 -8.74	51.03 2.38 -9.63	49.50 2.44 -14.92
NORTH___COUNTRY_ESR 323785	27.56 -0.19 0.00	21.04 -0.28 0.00	19.80 -0.16 0.00	19.94 -0.12 0.00	22.42 -0.11 0.00	29.85 -0.03 0.00	35.26 -0.25 0.00	37.14 -0.41 0.00	34.29 -0.35 0.00	29.61 -0.09 0.00	28.36 -0.23 0.00	26.27 -0.54 0.00	24.81 -0.69 0.00	25.13 -0.83 0.00	25.08 -0.88 0.00	27.25 -0.81 0.00	32.47 -0.53 0.00	43.29 0.04 0.00	51.81 0.56 0.00	56.36 0.83 0.00	56.30 0.72 0.00	48.31 0.67 0.00	39.49 0.47 0.00	32.26 0.13 0.00
NPX_GEN_1385_PROXY 323591	33.20 2.17 -3.28	26.45 1.96 -3.17	25.29 1.80 -3.53	24.40 1.78 -2.56	33.54 1.71 -9.30	38.15 2.06 -6.21	47.62 2.34 -9.77	47.94 2.55 -7.84	47.21 2.70 -9.87	38.50 2.46 -6.34	33.88 2.37 -2.92	33.05 2.49 -3.75	32.43 2.52 -4.41	33.76 2.60 -5.20	33.83 2.57 -5.30	37.20 2.61 -6.53	42.27 2.51 -6.77	53.90 2.68 -7.97	52.02 2.97 2.19	56.65 3.50 2.38	56.92 3.45 2.11	58.86 2.48 -8.74	47.05 2.26 -5.77	38.00 2.32 -3.55
NPX_GEN_CSC 323557	33.94 2.89 -3.30	23.71 2.39 -0.01	22.34 2.20 -0.18	22.24 2.17 -0.01	34.18 2.30 -9.35	45.96 2.93 -13.15	48.76 3.41 -9.84	54.47 3.79 -13.13	48.32 3.74 -9.94	46.50 3.27 -13.53	48.84 3.00 -17.25	48.71 3.03 -18.87	48.72 3.03 -20.19	48.75 3.11 -19.67	49.22 3.09 -20.17	50.44 3.31 -19.07	52.68 3.56 -16.12	76.27 4.15 -28.86	139.26 4.56 -83.45	133.44 5.05 -72.86	135.57 5.00 -74.99	77.17 4.00 -25.52	53.47 3.55 -10.91	50.40 3.24 -15.02
NSINS_S_GLNS_FALLS 23858	29.00 1.25 0.00	22.36 1.04 0.00	21.18 1.00 -0.22	21.02 0.96 0.00	23.52 0.99 0.00	31.16 1.28 0.00	37.34 1.53 -0.30	39.72 1.73 -0.45	35.88 1.25 0.00	30.35 0.65 0.00	29.27 0.69 0.00	27.32 0.51 0.00	26.07 0.61 0.03	26.69 0.75 0.03	26.65 0.75 0.06	29.10 1.04 0.00	34.35 1.35 0.00	43.81 0.56 0.00	54.71 0.97 -2.49	64.09 1.61 -6.96	66.93 1.78 -9.57	53.78 1.05 -5.08	43.77 0.90 -3.86	32.94 0.80 0.00
NUCOR_STEEL___DRP 24197	27.61 -0.14 0.00	21.21 -0.11 0.00	19.84 -0.14 -0.02	19.90 -0.16 0.00	22.31 -0.23 0.00	29.64 -0.24 0.00	35.33 -0.18 0.00	37.17 -0.38 0.00	34.19 -0.45 0.00	29.25 -0.45 0.00	28.16 -0.43 0.00	26.54 -0.27 0.00	25.27 -0.23 0.00	25.81 -0.16 0.00	25.86 -0.10 0.00	27.95 -0.11 0.00	32.73 -0.26 0.00	42.95 -0.30 0.00	50.94 -0.31 0.00	55.25 -0.28 0.00	55.36 -0.22 0.00	47.31 -0.33 0.00	38.75 -0.27 0.00	32.01 -0.13 0.00
NUMBER_THREE_WT_PWR 323818	27.50 -0.25 0.00	21.12 -0.19 0.00	19.61 -0.36 -0.01	19.60 -0.46 0.00	21.97 -0.56 0.00	29.40 -0.48 0.00	35.09 -0.42 0.00	36.95 -0.60 0.00	33.81 -0.83 0.00	28.72 -0.98 0.00	27.50 -1.09 0.00	25.84 -0.96 0.00	24.53 -0.97 0.00	25.00 -0.96 0.00	25.08 -0.88 0.00	27.08 -0.98 0.00	32.11 -0.89 0.00	42.69 -0.56 0.00	51.14 -0.10 0.00	56.08 0.56 0.00	55.86 0.28 0.00	47.79 0.14 0.00	38.83 -0.19 0.00	31.81 -0.32 0.00
NYISO_LBMP_REFERENCE 24008	27.75 0.00 0.00	21.32 0.00 0.00	19.96 0.00 0.00	20.06 0.00 0.00	22.53 0.00 0.00	29.88 0.00 0.00	35.51 0.00 0.00	37.55 0.00 0.00	34.64 0.00 0.00	29.70 0.00 0.00	28.59 0.00 0.00	26.81 0.00 0.00	25.50 0.00 0.00	25.96 0.00 0.00	25.96 0.00 0.00	28.06 0.00 0.00	33.00 0.00 0.00	43.25 0.00 0.00	51.24 0.00 0.00	55.53 0.00 0.00	55.58 0.00 0.00	47.64 0.00 0.00	39.02 0.00 0.00	32.13 0.00 0.00
NYPA_BRENTWD____GT 24164	33.71 2.64 -3.33	23.52 2.20 -0.01	22.16 2.01 -0.18	22.05 1.99 -0.01	34.02 2.07 -9.42	45.76 2.63 -13.25	48.44 3.02 -9.91	50.27 3.34 -9.38	48.05 3.40 -10.02	46.23 3.03 -13.50	48.83 2.86 -17.39	48.75 2.92 -19.02	48.80 2.96 -20.35	48.82 3.04 -19.82	49.32 3.04 -20.32	50.45 3.17 -19.22	52.58 3.33 -16.25	66.20 3.67 -19.28	76.41 3.95 -21.22	77.84 4.39 -17.93	77.53 4.34 -17.61	64.53 3.43 -13.45	52.35 3.24 -10.10	50.30 3.02 -15.14



NYPA_GOWANUS____GT5 24156	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
NYPA_GOWANUS____GT6 24157	29.81 2.05 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.09 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.49 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.98 3.24 -17.75	52.88 3.59 -6.04	54.73 3.49 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.73 3.05 -0.03	49.45 2.53 -7.90	34.37 2.22 -0.02
NYPA_HARLEM__RVR__GT1 24160	29.69 1.94 0.00	23.00 1.68 0.00	21.67 1.54 -0.18	21.52 1.46 0.00	24.00 1.46 0.00	31.40 1.52 0.01	37.38 1.88 0.01	39.95 2.41 0.01	37.09 2.46 0.01	32.07 2.38 0.01	31.01 2.43 0.01	29.37 2.57 0.01	28.61 2.68 -0.44	29.09 2.78 -0.35	29.59 2.78 -0.86	31.08 2.97 -0.04	36.06 3.07 0.01	46.57 3.33 0.01	54.41 3.18 0.01	59.02 3.50 0.01	58.91 3.33 0.01	50.35 2.71 0.01	41.35 2.34 0.01	34.16 2.03 0.00
NYPA_HARLEM__RVR__GT2 24161	29.69 1.94 0.00	23.00 1.68 0.00	21.67 1.54 -0.18	21.52 1.46 0.00	24.00 1.46 0.00	31.40 1.52 0.01	37.38 1.88 0.01	39.95 2.41 0.01	37.09 2.46 0.01	32.07 2.38 0.01	31.01 2.43 0.01	29.37 2.57 0.01	28.61 2.68 -0.44	29.09 2.78 -0.35	29.59 2.78 -0.86	31.08 2.97 -0.04	36.06 3.07 0.01	46.57 3.33 0.01	54.41 3.18 0.01	59.02 3.50 0.01	58.91 3.33 0.01	50.35 2.71 0.01	41.35 2.34 0.01	34.16 2.03 0.00
NYPA_KENT____GT 24152	29.75 2.00 0.00	23.00 1.68 0.00	21.68 1.54 -0.18	21.55 1.48 0.00	24.02 1.49 0.00	31.61 1.73 0.00	37.64 2.13 0.00	40.16 2.59 -0.02	37.29 2.63 -0.02	32.22 2.49 -0.03	31.13 2.52 -0.03	36.33 2.63 -6.90	39.19 2.73 -10.97	41.01 2.83 -12.21	44.60 2.86 -15.78	45.23 3.06 -14.11	46.36 3.20 -10.16	50.25 3.55 -3.46	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.67 3.00 -0.02	46.08 2.53 -4.52	34.36 2.22 -0.01
NYPA_POUCH1____GT 24155	29.86 2.11 -0.01	23.09 1.77 -0.01	21.78 1.64 -0.18	21.65 1.58 -0.01	24.12 1.58 -0.01	31.70 1.82 0.00	37.71 2.20 0.00	40.17 2.59 -0.03	37.20 2.53 -0.03	32.13 2.38 -0.06	31.04 2.40 -0.06	41.38 2.52 -12.05	46.94 2.63 -18.82	49.76 2.73 -21.07	55.63 2.75 -26.92	55.61 2.95 -24.60	53.85 3.10 -17.75	52.71 3.42 -6.04	54.53 3.28 0.00	59.13 3.61 0.00	59.03 3.45 0.00	50.58 2.91 -0.03	49.34 2.42 -7.90	34.34 2.19 -0.02
NYPA_VERNON____GT2 24162	29.66 1.91 0.00	22.96 1.64 0.00	21.63 1.50 -0.18	21.51 1.45 0.00	23.98 1.44 0.00	31.58 1.70 0.00	37.60 2.09 0.00	40.14 2.59 0.00	37.27 2.63 0.00	32.20 2.49 -0.01	31.08 2.49 -0.01	31.15 2.60 -1.75	31.31 2.70 -3.11	32.13 2.80 -3.36	33.43 2.83 -4.64	34.71 3.03 -3.61	38.74 3.17 -2.57	47.63 3.50 -0.88	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.60 2.96 0.00	42.70 2.53 -1.15	34.32 2.19 0.00
NYPA_VERNON____GT3 24163	29.66 1.91 0.00	22.96 1.64 0.00	21.63 1.50 -0.18	21.51 1.45 0.00	23.98 1.44 0.00	31.58 1.70 0.00	37.60 2.09 0.00	40.14 2.59 0.00	37.27 2.63 0.00	32.20 2.49 -0.01	31.08 2.49 -0.01	31.15 2.60 -1.75	31.31 2.70 -3.11	32.13 2.80 -3.36	33.43 2.83 -4.64	34.71 3.03 -3.61	38.74 3.17 -2.57	47.63 3.50 -0.88	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.60 2.96 0.00	42.70 2.53 -1.15	34.32 2.19 0.00
NYPA____ASTORIA_CC1 323568	29.64 1.89 0.00	22.93 1.62 0.00	21.61 1.48 -0.18	21.48 1.42 0.00	23.95 1.42 0.00	31.52 1.64 0.00	37.53 2.02 0.00	40.07 2.52 0.00	37.20 2.56 0.00	32.16 2.46 0.00	31.07 2.49 0.00	29.41 2.60 0.00	28.62 2.68 -0.45	29.10 2.78 -0.36	29.65 2.83 -0.86	31.12 3.00 -0.05	36.13 3.14 0.00	46.67 3.42 0.00	54.57 3.33 0.00	59.19 3.66 0.00	59.14 3.56 0.00	50.50 2.86 0.00	41.48 2.46 0.00	34.26 2.12 0.00
NYPA____ASTORIA_CC2 323569	29.64 1.89 0.00	22.93 1.62 0.00	21.61 1.48 -0.18	21.48 1.42 0.00	23.95 1.42 0.00	31.52 1.64 0.00	37.53 2.02 0.00	40.07 2.52 0.00	37.20 2.56 0.00	32.16 2.46 0.00	31.07 2.49 0.00	29.41 2.60 0.00	28.62 2.68 -0.45	29.10 2.78 -0.36	29.65 2.83 -0.86	31.12 3.00 -0.05	36.13 3.14 0.00	46.67 3.42 0.00	54.57 3.33 0.00	59.19 3.66 0.00	59.14 3.56 0.00	50.50 2.86 0.00	41.48 2.46 0.00	34.26 2.12 0.00
NYPA____HOLTSVILL 23794	33.71 2.66 -3.30	23.54 2.22 -0.01	22.18 2.04 -0.18	22.07 2.01 -0.01	34.00 2.12 -9.34	45.71 2.69 -13.14	48.43 3.09 -9.83	53.97 3.42 -13.00	48.03 3.46 -9.93	46.29 3.06 -13.54	48.68 2.86 -17.24	48.56 2.90 -18.86	48.58 2.91 -20.18	48.63 3.01 -19.66	49.10 2.98 -20.16	50.29 3.17 -19.06	52.48 3.37 -16.11	75.60 3.81 -28.54	136.86 4.15 -81.46	131.24 4.61 -71.11	133.29 4.56 -73.16	76.39 3.62 -25.13	53.17 3.28 -10.87	50.17 3.02 -15.01
NYPA____HELLGATE_GT1 24158	29.69 1.94 0.00	23.00 1.68 0.00	21.67 1.54 -0.18	21.52 1.46 0.00	24.00 1.46 0.00	31.40 1.52 0.01	37.38 1.88 0.01	39.95 2.41 0.01	37.09 2.46 0.01	32.07 2.38 0.01	31.01 2.43 0.01	29.37 2.57 0.01	28.61 2.68 -0.44	29.09 2.78 -0.35	29.59 2.78 -0.86	31.08 2.97 -0.04	36.06 3.07 0.01	46.57 3.33 0.01	54.41 3.18 0.01	59.02 3.50 0.01	58.91 3.33 0.01	50.35 2.71 0.01	41.35 2.34 0.01	34.16 2.03 0.00
NYPA____HELLGATE_GT2 24159	29.69 1.94 0.00	23.00 1.68 0.00	21.67 1.54 -0.18	21.52 1.46 0.00	24.00 1.46 0.00	31.40 1.52 0.01	37.38 1.88 0.01	39.95 2.41 0.01	37.09 2.46 0.01	32.07 2.38 0.01	31.01 2.43 0.01	29.37 2.57 0.01	28.61 2.68 -0.44	29.09 2.78 -0.35	29.59 2.78 -0.86	31.08 2.97 -0.04	36.06 3.07 0.01	46.57 3.33 0.01	54.41 3.18 0.01	59.02 3.50 0.01	58.91 3.33 0.01	50.35 2.71 0.01	41.35 2.34 0.01	34.16 2.03 0.00
NYS_BARGE____HYD 23848	25.97 -1.78 0.00	19.95 -1.36 0.00	18.51 -1.48 -0.03	18.56 -1.50 0.00	20.73 -1.80 0.00	27.49 -2.39 0.00	32.78 -2.73 0.00	34.47 -3.08 0.00	32.07 -2.56 0.00	27.20 -2.49 0.00	26.27 -2.31 0.00	25.15 -1.66 0.00	23.94 -1.56 0.00	24.64 -1.32 0.00	24.82 -1.14 0.00	26.46 -1.60 0.00	30.49 -2.51 0.00	39.75 -3.50 0.00	46.43 -4.82 0.00	50.92 -4.61 0.00	51.08 -4.50 0.00	43.83 -3.81 0.00	36.02 -3.00 0.00	30.14 -1.99 0.00
OAK ORCHARD____HYD 24046	26.69 -1.05 0.00	20.51 -0.81 0.00	19.16 -0.82 -0.02	19.20 -0.86 0.00	21.52 -1.01 0.00	28.51 -1.37 0.00	33.91 -1.60 0.00	35.82 -1.73 0.00	33.15 -1.49 0.00	28.18 -1.51 0.00	27.19 -1.40 0.00	25.84 -0.96 0.00	24.60 -0.89 0.00	25.24 -0.73 0.00	25.34 -0.62 0.00	27.14 -0.93 0.00	31.58 -1.42 0.00	41.26 -1.99 0.00	48.79 -2.46 0.00	53.20 -2.33 0.00	53.47 -2.11 0.00	45.69 -1.96 0.00	37.46 -1.56 0.00	31.11 -1.03 0.00



OAKDALE___35_KV_LOAD 356122	27.80 0.06 0.00	21.38 0.06 0.00	19.98 -0.04 -0.06	20.02 -0.04 0.00	22.42 -0.11 0.00	29.73 -0.15 0.00	35.44 -0.07 0.00	37.36 -0.19 0.00	34.46 -0.17 0.00	29.49 -0.21 0.00	28.39 -0.20 0.00	26.83 0.03 0.00	25.59 0.08 -0.02	26.16 0.18 -0.01	26.23 0.23 -0.03	28.26 0.20 0.00	33.03 0.03 0.00	43.16 -0.09 0.00	51.14 -0.10 0.00	55.47 -0.06 0.00	55.58 0.00 0.00	47.55 -0.10 0.00	38.90 -0.12 0.00	32.20 0.06 0.00
OCC_CHEM___DRP 24175	25.72 -2.03 0.00	19.82 -1.49 0.00	18.41 -1.58 -0.03	18.46 -1.60 0.00	20.62 -1.92 0.00	27.10 -2.78 0.00	32.24 -3.27 0.00	33.87 -3.68 0.00	31.52 -3.12 0.00	26.82 -2.88 0.00	25.84 -2.74 0.00	24.77 -2.04 0.00	23.61 -1.89 0.00	24.25 -1.71 0.00	24.43 -1.53 0.00	25.98 -2.08 0.00	29.93 -3.07 0.00	38.71 -4.54 0.00	45.71 -5.53 0.00	49.92 -5.61 0.00	50.13 -5.45 0.00	43.12 -4.53 0.00	35.59 -3.43 0.00	29.79 -2.35 0.00
OH_GEN_PROXY 24063	25.94 -1.80 0.00	19.91 -1.41 0.00	18.51 -1.48 -0.03	18.56 -1.50 0.00	20.75 -1.78 0.00	27.37 -2.51 0.00	32.56 -2.95 0.00	34.21 -3.34 0.00	31.90 -2.74 0.00	27.08 -2.61 0.00	26.10 -2.49 0.00	25.01 -1.80 0.00	23.81 -1.68 0.00	24.46 -1.51 0.00	24.61 -1.35 0.00	26.21 -1.85 0.00	30.22 -2.77 0.00	39.27 -3.98 0.00	46.17 -5.07 0.00	50.58 -4.94 0.00	50.80 -4.78 0.00	43.64 -4.00 0.00	35.86 -3.16 0.00	30.05 -2.09 0.00
OLIN_CORP_DRP 24177	25.67 -2.08 0.00	19.70 -1.62 0.00	18.29 -1.70 -0.03	18.33 -1.73 0.00	20.48 -2.05 0.00	27.07 -2.81 0.00	32.21 -3.30 0.00	33.87 -3.68 0.00	31.52 -3.12 0.00	26.76 -2.94 0.00	25.81 -2.77 0.00	24.74 -2.06 0.00	23.56 -1.94 0.00	24.22 -1.74 0.00	24.40 -1.56 0.00	25.98 -2.08 0.00	29.93 -3.07 0.00	38.79 -4.45 0.00	45.71 -5.53 0.00	49.92 -5.61 0.00	50.13 -5.45 0.00	43.07 -4.57 0.00	35.51 -3.51 0.00	29.72 -2.41 0.00
OLIN_CORP_DSASP 323712	25.72 -2.02 0.00	19.82 -1.49 0.00	18.41 -1.58 -0.03	18.45 -1.61 0.00	20.62 -1.92 0.00	27.10 -2.78 0.00	32.24 -3.27 0.00	33.83 -3.72 0.00	31.59 -3.05 0.00	26.82 -2.88 0.00	25.84 -2.74 0.00	24.77 -2.04 0.00	23.61 -1.89 0.00	24.25 -1.71 0.00	24.43 -1.53 0.00	25.98 -2.08 0.00	29.89 -3.10 0.00	38.84 -4.41 0.00	45.66 -5.58 0.00	50.03 -5.50 0.00	50.24 -5.34 0.00	43.16 -4.48 0.00	35.51 -3.51 0.00	29.79 -2.34 0.00
ONEIDA_HERK_LFGE 323681	27.92 0.17 0.00	21.49 0.17 0.00	20.02 0.06 -0.01	20.06 0.00 0.00	22.51 -0.02 0.00	30.00 0.12 0.00	35.76 0.25 0.00	37.74 0.19 0.00	34.64 0.00 0.00	29.46 -0.24 0.00	28.30 -0.29 0.00	26.62 -0.19 0.00	25.32 -0.18 0.00	25.81 -0.15 0.00	25.88 -0.08 0.00	27.95 -0.11 0.00	33.00 0.00 0.00	43.55 0.30 0.00	51.91 0.66 0.00	56.53 1.00 0.00	56.58 1.00 0.00	48.40 0.76 0.00	39.41 0.39 0.00	32.42 0.29 0.00
ONEIDA___115KV_TB4 55905	28.19 0.44 0.00	21.70 0.38 0.00	20.27 0.30 -0.01	20.30 0.24 0.00	22.78 0.25 0.00	30.33 0.45 0.00	36.18 0.67 0.00	38.15 0.60 0.00	35.02 0.38 0.00	29.82 0.12 0.00	28.67 0.09 0.00	27.02 0.21 0.00	25.70 0.20 0.00	26.22 0.26 0.00	26.30 0.34 0.00	28.40 0.34 0.00	33.46 0.46 0.00	44.03 0.78 0.00	52.37 1.13 0.00	56.91 1.39 0.00	57.08 1.50 0.00	48.79 1.14 0.00	39.80 0.78 0.00	32.81 0.67 0.00
ONONDAGA_REF_OCCRA 23987	27.55 -0.19 0.00	21.19 -0.13 0.00	19.82 -0.16 -0.02	19.86 -0.20 0.00	22.29 -0.25 0.00	29.58 -0.30 0.00	35.23 -0.28 0.00	37.14 -0.41 0.00	34.19 -0.45 0.00	29.28 -0.42 0.00	28.19 -0.40 0.00	26.59 -0.21 0.00	25.32 -0.18 0.00	25.86 -0.10 0.00	25.88 -0.08 0.00	27.98 -0.08 0.00	32.77 -0.23 0.00	42.90 -0.35 0.00	50.89 -0.36 0.00	55.14 -0.39 0.00	55.25 -0.33 0.00	47.22 -0.43 0.00	38.67 -0.35 0.00	31.97 -0.16 0.00
ONONDAGA___COGEN 23986	27.53 -0.22 0.00	21.14 -0.17 0.00	19.77 -0.20 -0.02	19.84 -0.22 0.00	22.24 -0.29 0.00	29.52 -0.36 0.00	35.19 -0.32 0.00	37.02 -0.53 0.00	34.08 -0.55 0.00	29.22 -0.48 0.00	28.13 -0.46 0.00	26.51 -0.29 0.00	25.24 -0.25 0.00	25.78 -0.18 0.00	25.80 -0.16 0.00	27.89 -0.17 0.00	32.67 -0.33 0.00	42.82 -0.43 0.00	50.78 -0.46 0.00	54.97 -0.56 0.00	55.08 -0.50 0.00	47.07 -0.57 0.00	38.59 -0.43 0.00	31.88 -0.26 0.00
ONTARIO___LFGE 23819	27.47 -0.28 0.00	21.06 -0.25 0.00	19.62 -0.36 -0.03	19.70 -0.36 0.00	22.08 -0.45 0.00	29.37 -0.51 0.00	35.12 -0.39 0.00	36.99 -0.56 0.00	34.01 -0.62 0.00	29.02 -0.68 0.00	27.93 -0.66 0.00	26.43 -0.38 0.00	25.16 -0.33 0.00	25.78 -0.18 0.00	25.86 -0.10 0.00	27.87 -0.20 0.00	32.53 -0.46 0.00	42.77 -0.47 0.00	50.53 -0.72 0.00	55.02 -0.50 0.00	55.13 -0.45 0.00	47.21 -0.43 0.00	38.59 -0.43 0.00	31.91 -0.22 0.00
ORANGEVILLE_WT_PWR 323706	26.50 -1.25 0.00	20.27 -1.04 0.00	18.69 -1.30 -0.03	18.74 -1.32 0.00	20.96 -1.58 0.00	27.85 -2.03 0.00	33.45 -2.06 0.00	35.03 -2.52 0.00	32.49 -2.15 0.00	27.65 -2.05 0.00	26.73 -1.86 0.00	25.57 -1.23 0.00	24.37 -1.12 0.00	25.03 -0.93 0.00	25.21 -0.75 0.00	26.99 -1.07 0.00	31.25 -1.75 0.00	40.87 -2.38 0.00	48.02 -3.23 0.00	52.58 -2.94 0.00	52.75 -2.83 0.00	45.07 -2.57 0.00	36.83 -2.18 0.00	30.72 -1.41 0.00
ORANGEVILLE___ESR 323794	26.50 -1.25 0.00	20.27 -1.04 0.00	18.69 -1.30 -0.03	18.74 -1.32 0.00	20.96 -1.58 0.00	27.85 -2.03 0.00	33.45 -2.06 0.00	35.03 -2.52 0.00	32.49 -2.15 0.00	27.65 -2.05 0.00	26.73 -1.86 0.00	25.57 -1.23 0.00	24.37 -1.12 0.00	25.03 -0.93 0.00	25.21 -0.75 0.00	26.99 -1.07 0.00	31.25 -1.75 0.00	40.87 -2.38 0.00	48.02 -3.23 0.00	52.58 -2.94 0.00	52.75 -2.83 0.00	45.07 -2.57 0.00	36.83 -2.18 0.00	30.72 -1.41 0.00
OSWEGATCHIE___HYD 24044	26.83 -0.92 0.00	20.53 -0.79 0.00	19.20 -0.76 0.00	19.24 -0.82 0.00	21.61 -0.92 0.00	29.01 -0.87 0.00	34.55 -0.96 0.00	36.50 -1.05 0.00	33.42 -1.21 0.00	28.51 -1.19 0.00	27.21 -1.37 0.00	25.41 -1.40 0.00	24.09 -1.40 0.00	24.46 -1.51 0.00	24.45 -1.51 0.00	26.46 -1.60 0.00	31.48 -1.52 0.00	41.99 -1.26 0.00	50.22 -1.02 0.00	54.75 -0.78 0.00	54.69 -0.89 0.00	46.93 -0.71 0.00	38.16 -0.86 0.00	31.14 -1.00 0.00
OSWEGO___5 23606	27.14 -0.61 0.00	20.85 -0.47 0.00	19.51 -0.46 -0.01	19.58 -0.48 0.00	21.97 -0.56 0.00	29.13 -0.75 0.00	34.66 -0.85 0.00	36.50 -1.05 0.00	33.63 -1.01 0.00	28.81 -0.89 0.00	27.76 -0.83 0.00	26.11 -0.70 0.00	24.86 -0.64 0.00	25.37 -0.60 0.00	25.39 -0.57 0.00	27.42 -0.64 0.00	32.14 -0.86 0.00	42.08 -1.17 0.00	49.86 -1.38 0.00	54.03 -1.50 0.00	54.08 -1.50 0.00	46.31 -1.33 0.00	37.97 -1.05 0.00	31.36 -0.77 0.00
OSWEGO___6 23613	27.14 -0.61 0.00	20.85 -0.47 0.00	19.51 -0.46 -0.01	19.58 -0.48 0.00	21.97 -0.56 0.00	29.13 -0.75 0.00	34.66 -0.85 0.00	36.50 -1.05 0.00	33.63 -1.01 0.00	28.81 -0.89 0.00	27.76 -0.83 0.00	26.11 -0.70 0.00	24.86 -0.64 0.00	25.37 -0.60 0.00	25.39 -0.57 0.00	27.42 -0.64 0.00	32.14 -0.86 0.00	42.08 -1.17 0.00	49.86 -1.38 0.00	54.03 -1.50 0.00	54.08 -1.50 0.00	46.31 -1.33 0.00	37.97 -1.05 0.00	31.36 -0.77 0.00



OUTOKUMPU-AB___DRP 24206	26.22 -1.53 0.00	20.16 -1.15 0.00	18.69 -1.30 -0.03	18.74 -1.32 0.00	20.93 -1.60 0.00	27.67 -2.21 0.00	32.99 -2.52 0.00	34.66 -2.89 0.00	32.28 -2.36 0.00	27.41 -2.29 0.00	26.47 -2.12 0.00	25.36 -1.45 0.00	24.14 -1.35 0.00	24.85 -1.12 0.00	25.05 -0.91 0.00	26.71 -1.35 0.00	30.75 -2.24 0.00	39.96 -3.29 0.00	47.09 -4.15 0.00	51.42 -4.11 0.00	51.52 -4.06 0.00	44.21 -3.43 0.00	36.44 -2.58 0.00	30.43 -1.70 0.00
OXBOW___BTM 323836	26.00 -1.75 0.00	20.01 -1.30 0.00	18.57 -1.42 -0.03	18.62 -1.44 0.00	20.80 -1.73 0.00	27.40 -2.48 0.00	32.67 -2.84 0.00	34.28 -3.27 0.00	32.00 -2.63 0.00	27.14 -2.55 0.00	26.21 -2.37 0.00	25.09 -1.72 0.00	23.91 -1.58 0.00	24.59 -1.38 0.00	24.79 -1.17 0.00	26.41 -1.66 0.00	30.39 -2.61 0.00	39.53 -3.72 0.00	46.43 -4.82 0.00	50.86 -4.66 0.00	51.02 -4.56 0.00	43.83 -3.81 0.00	36.02 -3.00 0.00	30.14 -1.99 0.00
OXBOW___ 24026	26.00 -1.75 0.00	20.02 -1.30 0.00	18.57 -1.42 -0.03	18.62 -1.44 0.00	20.80 -1.74 0.00	27.40 -2.48 0.00	32.67 -2.84 0.00	34.32 -3.23 0.00	31.94 -2.70 0.00	27.14 -2.55 0.00	26.21 -2.37 0.00	25.09 -1.72 0.00	23.91 -1.58 0.00	24.59 -1.38 0.00	24.79 -1.17 0.00	26.41 -1.66 0.00	30.39 -2.61 0.00	39.44 -3.81 0.00	46.48 -4.77 0.00	50.75 -4.78 0.00	50.91 -4.67 0.00	43.74 -3.91 0.00	36.05 -2.97 0.00	30.14 -1.99 0.00
OXY_CHEM_DSASP 323612	25.72 -2.03 0.00	19.82 -1.49 0.00	18.41 -1.58 -0.03	18.46 -1.60 0.00	20.62 -1.92 0.00	27.10 -2.78 0.00	32.24 -3.27 0.00	33.87 -3.68 0.00	31.52 -3.12 0.00	26.82 -2.88 0.00	25.84 -2.74 0.00	24.77 -2.04 0.00	23.61 -1.89 0.00	24.25 -1.71 0.00	24.43 -1.53 0.00	25.98 -2.08 0.00	29.93 -3.07 0.00	38.71 -4.54 0.00	45.71 -5.53 0.00	49.92 -5.61 0.00	50.13 -5.45 0.00	43.12 -4.53 0.00	35.59 -3.43 0.00	29.79 -2.35 0.00
OZONE_PARK_ESR 323760	29.75 2.00 0.00	22.98 1.66 0.00	21.65 1.52 -0.18	21.52 1.46 0.00	24.02 1.49 0.00	31.73 1.85 0.00	37.85 2.34 0.00	40.40 2.85 0.00	37.51 2.87 0.00	32.34 2.64 0.00	31.22 2.63 0.00	29.54 2.73 0.00	28.75 2.80 -0.45	29.23 2.91 -0.36	29.76 2.93 -0.86	31.26 3.14 -0.05	36.30 3.30 0.00	47.01 3.76 0.00	55.14 3.89 0.00	59.80 4.28 0.00	59.75 4.17 0.00	51.07 3.43 0.00	41.87 2.85 0.00	34.58 2.44 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	25.72 -2.03 0.00	19.82 -1.49 0.00	18.41 -1.58 -0.03	18.46 -1.60 0.00	20.62 -1.92 0.00	27.10 -2.78 0.00	32.24 -3.27 0.00	33.87 -3.68 0.00	31.52 -3.12 0.00	26.82 -2.88 0.00	25.84 -2.74 0.00	24.77 -2.04 0.00	23.61 -1.89 0.00	24.25 -1.71 0.00	24.43 -1.53 0.00	25.98 -2.08 0.00	29.93 -3.07 0.00	38.71 -4.54 0.00	45.71 -5.53 0.00	49.92 -5.61 0.00	50.13 -5.45 0.00	43.12 -4.53 0.00	35.59 -3.43 0.00	29.79 -2.35 0.00
PACKARD__115KV_DUPONT_184 80571	25.72 -2.03 0.00	19.82 -1.49 0.00	18.41 -1.58 -0.03	18.46 -1.60 0.00	20.62 -1.92 0.00	27.10 -2.78 0.00	32.24 -3.27 0.00	33.87 -3.68 0.00	31.52 -3.12 0.00	26.82 -2.88 0.00	25.84 -2.74 0.00	24.77 -2.04 0.00	23.61 -1.89 0.00	24.25 -1.71 0.00	24.43 -1.53 0.00	25.98 -2.08 0.00	29.93 -3.07 0.00	38.71 -4.54 0.00	45.71 -5.53 0.00	49.92 -5.61 0.00	50.13 -5.45 0.00	43.12 -4.53 0.00	35.59 -3.43 0.00	29.79 -2.35 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	29.63 1.89 0.00	22.96 1.64 0.00	21.63 1.50 -0.18	21.50 1.44 0.00	23.95 1.42 0.00	31.40 1.52 0.00	37.39 1.88 0.00	39.88 2.33 0.00	37.06 2.42 0.00	32.01 2.32 0.00	30.93 2.34 0.00	29.27 2.47 0.00	28.52 2.58 -0.45	28.99 2.67 -0.36	29.52 2.70 -0.86	31.00 2.89 -0.05	35.93 2.94 0.00	46.49 3.24 0.00	54.42 3.18 0.00	58.97 3.44 0.00	58.86 3.28 0.00	50.41 2.76 0.00	41.32 2.30 0.00	34.16 2.02 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	29.80 2.05 0.00	23.11 1.79 0.00	21.79 1.66 -0.18	21.64 1.58 0.00	24.13 1.60 0.00	31.64 1.76 0.00	37.64 2.13 0.00	40.14 2.59 0.00	37.27 2.63 0.00	32.19 2.49 0.00	31.07 2.49 0.00	29.38 2.57 0.00	28.62 2.68 -0.45	29.07 2.75 -0.36	29.60 2.78 -0.86	31.09 2.97 -0.05	36.03 3.04 0.00	46.67 3.42 0.00	54.57 3.33 0.00	59.19 3.66 0.00	59.08 3.50 0.00	50.55 2.91 0.00	41.48 2.46 0.00	34.26 2.12 0.00
PATROON__115KV_TB1 80586	28.44 0.69 0.00	22.02 0.70 0.00	20.84 0.66 -0.22	20.70 0.64 0.00	23.12 0.59 0.00	30.54 0.66 0.00	35.86 0.64 0.29	37.80 0.75 0.50	35.30 0.66 0.00	30.20 0.50 0.00	29.16 0.57 0.00	27.34 0.54 0.00	26.08 0.61 0.03	26.64 0.70 0.02	26.61 0.70 0.05	28.90 0.84 0.00	33.82 0.82 0.00	43.77 0.52 0.00	49.07 0.67 2.84	48.42 0.83 7.94	45.55 0.89 10.92	42.41 0.57 5.80	35.32 0.70 4.40	32.87 0.74 0.00
PATTRSNVILLE___SOLAR 323815	28.80 1.05 0.00	22.21 0.90 0.00	21.03 0.84 -0.23	20.86 0.80 0.00	23.37 0.83 0.00	30.95 1.07 0.00	36.77 1.21 -0.05	38.83 1.20 -0.08	35.47 0.83 0.00	30.20 0.50 0.00	29.10 0.52 0.00	27.29 0.48 0.00	26.02 0.56 0.03	26.59 0.65 0.03	26.57 0.67 0.07	28.84 0.78 0.00	33.89 0.89 0.00	44.20 0.95 0.00	53.20 1.54 -0.42	58.69 2.00 -1.16	59.35 2.17 -1.60	50.07 1.57 -0.85	40.99 1.33 -0.65	33.32 1.19 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	26.58 -1.17 0.00	20.42 -0.90 0.00	18.77 -1.22 -0.03	18.96 -1.10 0.00	21.16 -1.37 0.00	28.03 -1.85 0.00	33.49 -2.02 0.00	35.18 -2.37 0.00	32.73 -1.91 0.00	27.83 -1.87 0.00	26.90 -1.69 0.00	25.74 -1.07 0.00	24.53 -0.97 0.00	25.24 -0.73 0.00	25.44 -0.52 0.00	27.19 -0.87 0.00	31.35 -1.65 0.00	40.91 -2.34 0.00	48.17 -3.07 0.00	52.58 -2.94 0.00	52.69 -2.89 0.00	45.07 -2.57 0.00	36.99 -2.03 0.00	30.85 -1.29 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	29.47 1.72 0.00	22.81 1.49 0.00	21.51 1.38 -0.18	21.40 1.34 0.00	23.86 1.33 0.00	31.58 1.70 0.00	37.57 2.06 0.00	40.10 2.55 0.00	37.10 2.46 0.00	31.81 2.11 0.00	30.73 2.14 0.00	29.09 2.28 0.00	28.24 2.29 -0.45	28.76 2.44 -0.35	29.31 2.49 -0.86	30.78 2.67 -0.05	35.77 2.77 0.00	46.54 3.29 0.00	54.78 3.54 0.00	59.41 3.89 0.00	59.53 3.95 0.00	50.79 3.14 0.00	41.56 2.54 0.00	34.29 2.15 0.00
PEEKSKILL___ 23653	29.33 1.58 0.00	22.68 1.37 0.00	21.39 1.26 -0.17	21.28 1.22 0.00	23.75 1.22 0.00	31.40 1.52 0.00	37.36 1.85 0.00	39.88 2.33 0.00	36.92 2.29 0.00	31.78 2.08 0.00	30.67 2.09 0.00	29.01 2.20 0.00	28.18 2.24 -0.44	28.67 2.36 -0.35	29.19 2.39 -0.85	30.69 2.58 -0.05	35.67 2.67 0.00	46.23 2.98 0.00	54.37 3.13 0.00	58.97 3.44 0.00	59.03 3.45 0.00	50.36 2.71 0.00	41.28 2.26 0.00	34.06 1.93 0.00
PGE MADISON___WINDPWR 24146	29.47 1.72 0.00	22.66 1.34 0.00	21.15 1.14 -0.06	21.06 1.00 0.00	23.57 1.04 0.00	31.58 1.70 0.00	37.93 2.42 0.00	39.76 2.21 0.00	37.48 2.84 0.00	31.36 1.66 0.00	30.10 1.51 0.00	28.66 1.85 0.00	27.20 1.68 -0.02	27.82 1.84 -0.02	28.23 2.23 -0.04	30.25 2.19 0.00	35.87 2.87 0.00	47.92 4.67 0.00	57.39 6.15 0.00	62.24 6.72 0.00	62.70 7.12 0.00	53.36 5.71 0.00	42.80 3.78 0.00	35.25 3.12 0.00



PIERCEFIELD___HYD 23852	26.80 -0.94 0.00	20.42 -0.90 0.00	19.20 -0.76 0.00	19.30 -0.76 0.00	21.70 -0.83 0.00	29.19 -0.69 0.00	34.69 -0.82 0.00	36.72 -0.83 0.00	33.70 -0.94 0.00	28.96 -0.74 0.00	27.53 -1.06 0.00	25.55 -1.26 0.00	24.17 -1.33 0.00	24.48 -1.48 0.00	24.40 -1.56 0.00	26.46 -1.60 0.00	31.58 -1.42 0.00	42.17 -1.08 0.00	50.32 -0.92 0.00	54.69 -0.83 0.00	54.58 -1.00 0.00	46.88 -0.76 0.00	38.24 -0.78 0.00	31.11 -1.03 0.00
PINELAWN_CC_1 323563	33.66 2.47 -3.45	23.37 2.05 -0.01	22.04 1.90 -0.19	21.93 1.87 -0.01	34.25 1.96 -9.75	46.15 2.48 -13.79	48.73 2.91 -10.31	49.88 3.31 -9.03	48.35 3.29 -10.42	45.95 2.91 -13.34	49.42 2.74 -18.09	49.44 2.84 -19.79	49.50 2.85 -21.15	49.53 2.96 -20.61	50.03 2.96 -21.11	50.92 2.86 -20.00	52.87 2.97 -16.91	64.69 3.25 -18.19	64.74 3.33 -10.17	67.32 3.66 -8.13	66.54 3.61 -7.34	62.36 3.05 -11.67	52.20 2.85 -10.34	50.78 2.89 -15.75
PJM_GEN_HTTP_PROXY 323702	29.55 1.80 0.00	22.85 1.54 0.00	21.53 1.40 -0.18	21.42 1.36 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.60 2.09 0.00	40.14 2.59 0.00	37.24 2.60 0.00	32.10 2.40 0.00	30.99 2.40 0.00	29.30 2.49 0.00	28.52 2.57 -0.45	28.99 2.67 -0.36	29.52 2.70 -0.86	31.00 2.89 -0.05	36.03 3.03 0.00	46.58 3.33 0.00	54.68 3.43 0.00	59.30 3.78 0.00	59.31 3.72 0.00	50.60 2.96 0.00	41.52 2.50 0.00	34.32 2.19 0.00
PJM_GEN_KEystone 24065	27.92 0.17 0.00	21.51 0.19 0.00	20.00 -0.06 -0.10	20.00 -0.06 0.00	22.35 -0.18 0.00	29.52 -0.36 0.00	35.19 -0.32 0.00	37.25 -0.30 0.00	34.57 -0.07 0.00	29.61 -0.09 0.00	28.59 0.00 0.00	27.13 0.32 0.00	26.12 0.41 -0.21	26.68 0.55 -0.17	27.02 0.65 -0.41	28.65 0.56 -0.03	33.26 0.26 0.00	43.25 0.00 0.00	50.83 -0.41 0.00	55.36 -0.17 0.00	55.47 -0.11 0.00	47.41 -0.24 0.00	38.86 -0.16 0.00	32.39 0.26 0.00
PJM_GEN_NEPTUNE_PROXY 323594	32.88 2.02 -3.11	23.03 1.71 -0.01	21.72 1.58 -0.18	21.65 1.58 -0.01	32.99 1.67 -8.79	44.72 2.12 -12.71	47.58 2.56 -9.51	48.56 2.97 -8.04	47.26 3.01 -9.61	46.06 2.70 -13.66	47.87 2.60 -16.68	47.76 2.71 -18.25	47.76 2.73 -19.54	47.83 2.83 -19.03	48.32 2.83 -19.53	49.48 2.97 -18.44	51.62 3.03 -15.59	62.67 3.38 -16.05	59.53 3.59 -4.70	62.90 4.00 -3.37	61.99 3.95 -2.46	60.63 3.14 -9.85	51.33 2.85 -9.47	49.27 2.60 -14.53
PJM_GEN_VFT_PROXY 323633	26.29 1.66 3.12	22.74 1.43 0.00	21.43 1.30 -0.17	21.30 1.24 0.00	23.77 1.24 0.00	27.27 1.52 4.14	28.22 1.92 9.21	29.47 2.44 10.52	29.21 2.50 7.92	27.85 2.35 4.19	27.88 2.34 3.05	27.34 2.44 1.91	26.67 2.55 1.37	26.91 2.65 1.70	26.91 2.67 1.72	28.54 2.86 2.39	30.55 2.97 5.42	32.88 3.20 13.57	35.95 3.23 18.52	43.33 3.56 15.75	43.28 3.50 15.81	34.49 2.81 15.96	30.14 2.42 11.30	27.16 2.09 7.06
PLATSBURG_115KV_PMLD1 355749	27.89 0.14 0.00	21.27 -0.04 0.00	20.02 0.06 0.00	20.16 0.10 0.00	22.65 0.11 0.00	30.36 0.48 0.00	35.83 0.32 0.00	37.66 0.11 0.00	34.74 0.10 0.00	30.08 0.39 0.00	28.76 0.17 0.00	26.59 -0.21 0.00	25.04 -0.46 0.00	25.31 -0.65 0.00	25.23 -0.73 0.00	27.44 -0.62 0.00	32.80 -0.20 0.00	43.98 0.74 0.00	52.83 1.59 0.00	57.64 2.11 0.00	57.58 2.00 0.00	49.31 1.67 0.00	40.35 1.33 0.00	32.91 0.77 0.00
PLEASANTVLY___LBMP 24000	29.22 1.47 0.00	22.59 1.28 0.00	21.32 1.18 -0.18	21.20 1.14 0.00	23.66 1.13 0.00	31.28 1.40 0.00	37.21 1.70 0.00	39.65 2.10 0.00	36.72 2.08 0.00	31.57 1.87 0.00	30.47 1.89 0.00	28.79 1.98 0.00	28.02 2.04 -0.49	28.48 2.13 -0.39	29.05 2.15 -0.94	30.45 2.33 -0.06	35.37 2.38 0.00	45.89 2.64 0.00	53.96 2.72 0.00	58.52 3.00 0.00	58.53 2.95 0.00	50.07 2.43 0.00	41.05 2.03 0.00	33.87 1.74 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	29.41 1.66 0.00	22.74 1.43 0.00	21.45 1.32 -0.18	21.32 1.26 0.00	23.79 1.26 0.00	31.46 1.58 0.00	37.46 1.95 0.00	39.99 2.44 0.00	37.03 2.39 0.00	31.87 2.17 0.00	30.76 2.17 0.00	29.09 2.28 0.00	28.30 2.35 -0.46	28.76 2.44 -0.36	29.30 2.47 -0.87	30.78 2.67 -0.05	35.73 2.74 0.00	46.36 3.11 0.00	54.47 3.23 0.00	59.08 3.55 0.00	59.08 3.50 0.00	50.50 2.86 0.00	41.36 2.34 0.00	34.16 2.02 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	29.41 1.66 0.00	22.74 1.43 0.00	21.45 1.32 -0.18	21.32 1.26 0.00	23.79 1.26 0.00	31.46 1.58 0.00	37.46 1.95 0.00	39.99 2.44 0.00	37.03 2.39 0.00	31.87 2.17 0.00	30.76 2.17 0.00	29.09 2.28 0.00	28.30 2.35 -0.46	28.76 2.44 -0.36	29.30 2.47 -0.87	30.78 2.67 -0.05	35.73 2.74 0.00	46.36 3.11 0.00	54.47 3.23 0.00	59.08 3.55 0.00	59.08 3.50 0.00	50.50 2.86 0.00	41.36 2.34 0.00	34.16 2.02 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	29.30 1.55 0.00	22.64 1.32 0.00	21.35 1.22 -0.18	21.24 1.18 0.00	23.70 1.17 0.00	31.31 1.43 0.00	37.29 1.78 0.00	39.84 2.29 0.00	36.85 2.22 0.00	31.60 1.90 0.00	30.47 1.89 0.00	28.82 2.01 0.00	27.92 2.01 -0.41	28.41 2.13 -0.32	28.92 2.18 -0.78	30.44 2.33 -0.05	35.44 2.44 0.00	46.06 2.81 0.00	54.27 3.02 0.00	58.86 3.33 0.00	58.92 3.33 0.00	50.31 2.67 0.00	41.24 2.22 0.00	34.03 1.90 0.00
POLETTI____ 23519	29.58 1.83 0.00	22.85 1.53 0.00	21.55 1.42 -0.18	21.42 1.36 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.53 2.02 0.00	40.07 2.52 0.00	37.20 2.56 0.00	32.07 2.38 0.00	30.96 2.37 0.00	29.30 2.49 0.00	28.52 2.58 -0.45	28.99 2.67 -0.36	29.52 2.70 -0.86	31.00 2.89 -0.05	35.97 2.97 0.00	46.54 3.29 0.00	54.57 3.33 0.00	59.19 3.66 0.00	59.14 3.56 0.00	50.60 2.95 0.00	41.52 2.50 0.00	34.32 2.19 0.00
POMONA___ESR 323819	29.30 1.55 0.00	22.66 1.34 0.00	21.37 1.24 -0.17	21.26 1.20 0.00	23.73 1.19 0.00	31.34 1.46 0.00	37.32 1.81 0.00	39.84 2.29 0.00	36.89 2.25 0.00	31.72 2.02 0.00	30.62 2.03 0.00	28.95 2.15 0.00	28.14 2.22 -0.42	28.61 2.31 -0.34	29.14 2.36 -0.82	30.64 2.53 -0.05	35.67 2.67 0.00	46.23 2.98 0.00	54.37 3.13 0.00	58.97 3.44 0.00	59.03 3.45 0.00	50.36 2.71 0.00	41.28 2.26 0.00	34.06 1.93 0.00
PORT_JEFF_3 23555	33.83 2.77 -3.30	23.63 2.30 -0.01	22.26 2.11 -0.18	22.15 2.09 -0.01	34.10 2.21 -9.35	45.84 2.81 -13.15	48.59 3.23 -9.84	54.53 3.61 -13.38	48.18 3.60 -9.94	46.41 3.18 -13.53	48.79 2.95 -17.25	48.68 3.00 -18.88	48.70 3.01 -20.19	48.75 3.11 -19.68	49.22 3.09 -20.18	50.42 3.28 -19.08	52.66 3.53 -16.13	76.72 3.98 -29.50	143.09 4.35 -87.49	136.78 4.83 -76.43	139.07 4.78 -78.71	77.77 3.81 -26.31	53.46 3.47 -10.97	50.31 3.15 -15.03
PORT_JEFF_4 23616	33.83 2.77 -3.30	23.63 2.30 -0.01	22.26 2.11 -0.18	22.15 2.09 -0.01	34.10 2.21 -9.35	45.84 2.81 -13.15	48.59 3.23 -9.84	54.53 3.61 -13.38	48.18 3.60 -9.94	46.41 3.18 -13.53	48.79 2.95 -17.25	48.68 3.00 -18.88	48.70 3.01 -20.19	48.75 3.11 -19.68	49.22 3.09 -20.18	50.42 3.28 -19.08	52.66 3.53 -16.13	76.72 3.98 -29.50	143.09 4.35 -87.49	136.78 4.83 -76.43	139.07 4.78 -78.71	77.77 3.81 -26.31	53.46 3.47 -10.97	50.31 3.15 -15.03



PORT_JEFF_IC 23713	33.86 2.80 -3.31	23.63 2.30 -0.01	22.28 2.14 -0.18	22.17 2.11 -0.01	34.11 2.21 -9.37	45.86 2.81 -13.17	48.60 3.23 -9.86	55.26 3.64 -14.07	48.23 3.64 -9.95	46.40 3.18 -13.53	48.84 2.97 -17.28	48.74 3.03 -18.90	48.73 3.01 -20.22	48.81 3.14 -19.70	49.28 3.12 -20.20	50.48 3.31 -19.11	52.68 3.53 -16.15	78.44 3.94 -31.25	154.03 4.20 -98.58	146.41 4.66 -86.22	149.07 4.56 -88.93	79.95 3.81 -28.49	53.67 3.51 -11.14	50.37 3.18 -15.05
PPL PILGRIM_ST_GT1 24216	33.71 2.64 -3.33	23.52 2.20 -0.01	22.16 2.01 -0.18	22.05 1.99 -0.01	34.02 2.07 -9.42	45.76 2.63 -13.25	48.44 3.02 -9.91	50.27 3.34 -9.38	48.05 3.40 -10.02	46.23 3.03 -13.50	48.83 2.86 -17.39	48.75 2.92 -19.02	48.80 2.96 -20.35	48.82 3.04 -19.82	49.32 3.04 -20.32	50.45 3.17 -19.22	52.58 3.33 -16.25	66.20 3.67 -19.28	76.41 3.95 -21.22	77.84 4.39 -17.93	77.53 4.34 -17.61	64.53 3.43 -13.45	52.35 3.24 -10.10	50.30 3.02 -15.14
PPL PILGRIM_ST_GT2 24217	33.71 2.64 -3.33	23.52 2.20 -0.01	22.16 2.01 -0.18	22.05 1.99 -0.01	34.02 2.07 -9.42	45.76 2.63 -13.25	48.44 3.02 -9.91	50.27 3.34 -9.38	48.05 3.40 -10.02	46.23 3.03 -13.50	48.83 2.86 -17.39	48.75 2.92 -19.02	48.80 2.96 -20.35	48.82 3.04 -19.82	49.32 3.04 -20.32	50.45 3.17 -19.22	52.58 3.33 -16.25	66.20 3.67 -19.28	76.41 3.95 -21.22	77.84 4.39 -17.93	77.53 4.34 -17.61	64.53 3.43 -13.45	52.35 3.24 -10.10	50.30 3.02 -15.14
PPL_SHRM_GT3 24213	34.02 2.97 -3.31	23.75 2.43 -0.01	22.40 2.25 -0.18	22.29 2.23 -0.01	34.23 2.34 -9.36	46.05 3.02 -13.16	48.88 3.52 -9.85	54.82 3.91 -13.37	48.39 3.81 -9.95	46.55 3.33 -13.53	48.91 3.06 -17.26	48.75 3.05 -18.89	48.76 3.06 -20.20	48.79 3.14 -19.69	49.28 3.14 -20.19	50.49 3.34 -19.09	52.79 3.66 -16.14	77.00 4.28 -29.47	143.22 4.71 -87.26	137.03 5.28 -76.23	139.30 5.22 -78.50	78.06 4.14 -26.27	53.65 3.67 -10.97	50.48 3.31 -15.04
PPL_SHRM_GT4 24214	34.02 2.97 -3.31	23.75 2.43 -0.01	22.40 2.25 -0.18	22.29 2.23 -0.01	34.23 2.34 -9.36	46.05 3.02 -13.16	48.88 3.52 -9.85	54.82 3.91 -13.37	48.39 3.81 -9.95	46.55 3.33 -13.53	48.91 3.06 -17.26	48.75 3.05 -18.89	48.76 3.06 -20.20	48.79 3.14 -19.69	49.28 3.14 -20.19	50.49 3.34 -19.09	52.79 3.66 -16.14	77.00 4.28 -29.47	143.22 4.71 -87.26	137.03 5.28 -76.23	139.30 5.22 -78.50	78.06 4.14 -26.27	53.65 3.67 -10.97	50.48 3.31 -15.04
PROJECT___ORANGE 1 24174	27.47 -0.28 0.00	21.12 -0.19 0.00	19.75 -0.22 -0.02	19.80 -0.26 0.00	22.22 -0.32 0.00	29.46 -0.42 0.00	35.12 -0.39 0.00	36.99 -0.56 0.00	34.08 -0.55 0.00	29.19 -0.50 0.00	28.13 -0.46 0.00	26.51 -0.29 0.00	25.27 -0.23 0.00	25.81 -0.16 0.00	25.83 -0.13 0.00	27.89 -0.17 0.00	32.67 -0.33 0.00	42.73 -0.52 0.00	50.68 -0.56 0.00	54.86 -0.67 0.00	54.97 -0.61 0.00	47.03 -0.62 0.00	38.51 -0.51 0.00	31.85 -0.29 0.00
PROJECT___ORANGE 2 24166	27.47 -0.28 0.00	21.12 -0.19 0.00	19.75 -0.22 -0.02	19.80 -0.26 0.00	22.22 -0.32 0.00	29.46 -0.42 0.00	35.12 -0.39 0.00	36.99 -0.56 0.00	34.08 -0.55 0.00	29.19 -0.50 0.00	28.13 -0.46 0.00	26.51 -0.29 0.00	25.27 -0.23 0.00	25.81 -0.16 0.00	25.83 -0.13 0.00	27.89 -0.17 0.00	32.67 -0.33 0.00	42.73 -0.52 0.00	50.68 -0.56 0.00	54.86 -0.67 0.00	54.97 -0.61 0.00	47.03 -0.62 0.00	38.51 -0.51 0.00	31.85 -0.29 0.00
PUCKETT___SOLAR 323809	28.25 0.50 0.00	21.72 0.40 0.00	20.30 0.28 -0.06	20.30 0.24 0.00	22.74 0.20 0.00	30.21 0.33 0.00	36.08 0.57 0.00	37.96 0.41 0.00	34.98 0.35 0.00	29.76 0.06 0.00	28.59 0.00 0.00	27.05 0.24 0.00	25.74 0.23 -0.02	26.31 0.34 -0.01	26.46 0.47 -0.04	28.51 0.45 0.00	33.46 0.46 0.00	44.03 0.78 0.00	52.32 1.08 0.00	56.91 1.39 0.00	57.08 1.50 0.00	48.74 1.10 0.00	39.72 0.70 0.00	32.84 0.71 0.00
PYRITES___HYD 24023	27.36 -0.39 0.00	20.85 -0.47 0.00	19.60 -0.36 0.00	19.70 -0.36 0.00	22.17 -0.36 0.00	29.88 0.00 0.00	35.58 0.07 0.00	37.55 0.00 0.00	34.36 -0.28 0.00	29.43 -0.27 0.00	27.93 -0.66 0.00	25.95 -0.86 0.00	24.53 -0.97 0.00	24.82 -1.14 0.00	24.79 -1.17 0.00	26.85 -1.21 0.00	32.11 -0.89 0.00	42.99 -0.26 0.00	51.50 0.26 0.00	55.97 0.44 0.00	55.97 0.39 0.00	48.12 0.48 0.00	39.14 0.12 0.00	31.81 -0.32 0.00
QUAKERRD_115KV_BK1 80622	26.31 -1.44 0.00	20.21 -1.11 0.00	18.88 -1.10 -0.02	18.94 -1.12 0.00	21.23 -1.31 0.00	28.15 -1.73 0.00	33.49 -2.02 0.00	35.37 -2.18 0.00	32.66 -1.97 0.00	27.83 -1.87 0.00	26.84 -1.74 0.00	25.47 -1.34 0.00	24.22 -1.27 0.00	24.85 -1.12 0.00	24.92 -1.04 0.00	26.74 -1.32 0.00	31.18 -1.81 0.00	40.65 -2.59 0.00	48.22 -3.02 0.00	52.42 -3.11 0.00	52.64 -2.95 0.00	44.98 -2.67 0.00	36.91 -2.11 0.00	30.62 -1.51 0.00
QUENSBRY_115KV_TB8 356137	28.97 1.22 0.00	22.36 1.04 0.00	21.16 0.98 -0.22	21.00 0.94 0.00	23.50 0.97 0.00	31.16 1.28 0.00	37.33 1.53 -0.29	39.71 1.73 -0.43	35.88 1.25 0.00	30.35 0.65 0.00	29.27 0.69 0.00	27.32 0.51 0.00	26.07 0.61 0.03	26.69 0.75 0.03	26.68 0.78 0.06	29.12 1.07 0.00	34.38 1.39 0.00	43.77 0.52 0.00	54.56 0.92 -2.40	63.77 1.55 -6.69	66.51 1.72 -9.20	53.49 0.95 -4.89	43.59 0.86 -3.71	32.91 0.77 0.00
RAMAPO___LBMP 323565	29.22 1.47 0.00	22.59 1.28 0.00	21.31 1.18 -0.17	21.20 1.14 0.00	23.66 1.13 0.00	31.25 1.37 0.00	37.21 1.70 0.00	39.69 2.14 0.00	36.78 2.15 0.00	31.63 1.93 0.00	30.53 1.94 0.00	28.87 2.06 0.00	28.03 2.12 -0.42	28.53 2.23 -0.33	29.02 2.26 -0.80	30.55 2.44 -0.05	35.50 2.51 0.00	46.06 2.81 0.00	54.17 2.92 0.00	58.75 3.22 0.00	58.75 3.17 0.00	50.22 2.57 0.00	41.13 2.11 0.00	33.93 1.80 0.00
RANKINE____ 23646	26.47 -1.28 0.00	20.31 -1.00 0.00	18.77 -1.22 -0.03	18.86 -1.20 0.00	21.07 -1.46 0.00	27.88 -2.00 0.00	33.31 -2.20 0.00	35.00 -2.55 0.00	32.56 -2.08 0.00	27.68 -2.02 0.00	26.76 -1.83 0.00	25.63 -1.18 0.00	24.42 -1.07 0.00	25.11 -0.86 0.00	25.31 -0.65 0.00	27.02 -1.04 0.00	31.15 -1.85 0.00	40.52 -2.72 0.00	47.71 -3.54 0.00	52.08 -3.44 0.00	52.19 -3.39 0.00	44.74 -2.91 0.00	36.80 -2.22 0.00	30.69 -1.45 0.00
RAVENSWOOD_GT2_1 24244	29.55 1.80 0.00	22.85 1.53 0.00	21.53 1.40 -0.18	21.42 1.36 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.61 2.10 0.00	40.14 2.59 0.00	37.23 2.60 0.00	32.10 2.41 0.00	30.99 2.40 0.00	29.30 2.49 0.00	28.52 2.58 -0.45	29.02 2.70 -0.36	29.55 2.73 -0.86	31.03 2.92 -0.05	36.00 3.00 0.00	46.62 3.37 0.00	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.65 3.00 0.00	41.56 2.54 0.00	34.32 2.19 0.00
RAVENSWOOD_GT2_2 24245	29.55 1.80 0.00	22.85 1.53 0.00	21.53 1.40 -0.18	21.42 1.36 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.61 2.10 0.00	40.14 2.59 0.00	37.23 2.60 0.00	32.10 2.41 0.00	30.99 2.40 0.00	29.30 2.49 0.00	28.52 2.58 -0.45	29.02 2.70 -0.36	29.55 2.73 -0.86	31.03 2.92 -0.05	36.00 3.00 0.00	46.62 3.37 0.00	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.65 3.00 0.00	41.56 2.54 0.00	34.32 2.19 0.00



RAVENSWOOD_GT2_3 24246	29.58 1.83 0.00	22.85 1.53 0.00	21.55 1.42 -0.18	21.42 1.36 0.00	23.91 1.37 0.00	31.55 1.67 0.00	37.61 2.10 0.00	40.14 2.59 0.00	37.27 2.63 0.00	32.13 2.44 0.00	31.02 2.43 0.00	29.33 2.52 0.00	28.55 2.60 -0.45	29.02 2.70 -0.36	29.55 2.73 -0.86	31.03 2.92 -0.05	36.03 3.04 0.00	46.67 3.42 0.00	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.69 3.05 0.00	41.56 2.54 0.00	34.32 2.19 0.00
RAVENSWOOD_GT2_4 24247	29.58 1.83 0.00	22.85 1.53 0.00	21.55 1.42 -0.18	21.42 1.36 0.00	23.91 1.37 0.00	31.55 1.67 0.00	37.61 2.10 0.00	40.14 2.59 0.00	37.27 2.63 0.00	32.13 2.44 0.00	31.02 2.43 0.00	29.33 2.52 0.00	28.55 2.60 -0.45	29.02 2.70 -0.36	29.55 2.73 -0.86	31.03 2.92 -0.05	36.03 3.04 0.00	46.67 3.42 0.00	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.69 3.05 0.00	41.56 2.54 0.00	34.32 2.19 0.00
RAVENSWOOD_GT3_1 24248	29.55 1.80 0.00	22.85 1.53 0.00	21.55 1.42 -0.18	21.42 1.36 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.61 2.10 0.00	40.14 2.59 0.00	37.23 2.60 0.00	32.10 2.41 0.00	30.99 2.40 0.00	29.33 2.52 0.00	28.55 2.60 -0.45	29.02 2.70 -0.36	29.55 2.73 -0.86	31.03 2.92 -0.05	36.00 3.00 0.00	46.62 3.37 0.00	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.69 3.05 0.00	41.56 2.54 0.00	34.32 2.19 0.00
RAVENSWOOD_GT3_2 24249	29.55 1.80 0.00	22.85 1.53 0.00	21.55 1.42 -0.18	21.42 1.36 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.61 2.10 0.00	40.14 2.59 0.00	37.23 2.60 0.00	32.10 2.41 0.00	30.99 2.40 0.00	29.33 2.52 0.00	28.55 2.60 -0.45	29.02 2.70 -0.36	29.55 2.73 -0.86	31.03 2.92 -0.05	36.00 3.00 0.00	46.62 3.37 0.00	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.69 3.05 0.00	41.56 2.54 0.00	34.32 2.19 0.00
RAVENSWOOD_GT3_3 24250	29.58 1.83 0.00	22.87 1.56 0.00	21.57 1.44 -0.18	21.44 1.38 0.00	23.91 1.37 0.00	31.58 1.70 0.00	37.64 2.13 0.00	40.18 2.63 0.00	37.27 2.63 0.00	32.13 2.44 0.00	31.04 2.46 0.00	29.35 2.55 0.00	28.57 2.63 -0.45	29.04 2.73 -0.36	29.58 2.75 -0.86	31.06 2.95 -0.05	36.06 3.07 0.00	46.71 3.46 0.00	54.73 3.48 0.00	59.36 3.83 0.00	59.30 3.72 0.00	50.74 3.10 0.00	41.59 2.58 0.00	34.35 2.22 0.00
RAVENSWOOD_GT3_4 24251	29.58 1.83 0.00	22.87 1.56 0.00	21.57 1.44 -0.18	21.44 1.38 0.00	23.91 1.37 0.00	31.58 1.70 0.00	37.64 2.13 0.00	40.18 2.63 0.00	37.27 2.63 0.00	32.13 2.44 0.00	31.04 2.46 0.00	29.35 2.55 0.00	28.57 2.63 -0.45	29.04 2.73 -0.36	29.58 2.75 -0.86	31.06 2.95 -0.05	36.06 3.07 0.00	46.71 3.46 0.00	54.73 3.48 0.00	59.36 3.83 0.00	59.30 3.72 0.00	50.74 3.10 0.00	41.59 2.58 0.00	34.35 2.22 0.00
RAVENSWOOD_GT_1 23729	29.66 1.91 0.00	22.96 1.64 0.00	21.63 1.50 -0.18	21.51 1.44 0.00	23.98 1.44 0.00	31.58 1.70 0.00	37.61 2.10 0.00	40.14 2.59 0.00	37.27 2.63 0.00	32.20 2.49 -0.01	31.11 2.52 -0.01	31.16 2.60 -1.75	31.31 2.70 -3.11	32.13 2.80 -3.36	33.43 2.83 -4.64	34.70 3.03 -3.61	38.71 3.13 -2.57	47.63 3.50 -0.88	54.68 3.43 0.00	59.30 3.78 0.00	59.19 3.61 0.00	50.65 3.00 0.00	42.70 2.54 -1.15	34.32 2.19 0.00
RAVENSWOOD_GT_10 24258	29.55 1.80 0.00	22.85 1.53 0.00	21.53 1.40 -0.18	21.42 1.36 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.61 2.10 0.00	40.14 2.59 0.00	37.23 2.60 0.00	32.10 2.41 0.00	30.99 2.40 0.00	29.30 2.49 0.00	28.52 2.58 -0.45	29.02 2.70 -0.36	29.55 2.73 -0.86	31.03 2.92 -0.05	36.00 3.00 0.00	46.62 3.37 0.00	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.69 3.05 0.00	41.56 2.54 0.00	34.32 2.19 0.00
RAVENSWOOD_GT_11 24259	29.55 1.80 0.00	22.85 1.53 0.00	21.53 1.40 -0.18	21.42 1.36 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.61 2.10 0.00	40.14 2.59 0.00	37.23 2.60 0.00	32.10 2.41 0.00	30.99 2.40 0.00	29.30 2.49 0.00	28.52 2.58 -0.45	29.02 2.70 -0.36	29.55 2.73 -0.86	31.03 2.92 -0.05	36.00 3.00 0.00	46.62 3.37 0.00	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.69 3.05 0.00	41.56 2.54 0.00	34.32 2.19 0.00
RAVENSWOOD_GT_4 24252	29.55 1.80 0.00	22.83 1.51 0.00	21.53 1.40 -0.18	21.40 1.34 0.00	23.89 1.35 0.00	31.55 1.67 0.00	37.61 2.10 0.00	40.14 2.59 0.00	37.24 2.60 0.00	32.11 2.41 -0.01	30.99 2.40 -0.01	30.63 2.49 -1.33	30.55 2.58 -2.48	31.28 2.67 -2.64	32.40 2.70 -3.74	33.72 2.89 -2.76	37.96 3.00 -1.96	47.29 3.37 -0.67	54.68 3.43 0.00	59.36 3.83 0.00	59.30 3.72 0.00	50.70 3.05 0.00	42.43 2.54 -0.87	34.32 2.19 0.00
RAVENSWOOD_GT_5 24254	29.55 1.80 0.00	22.83 1.51 0.00	21.53 1.40 -0.18	21.40 1.34 0.00	23.89 1.35 0.00	31.55 1.67 0.00	37.61 2.10 0.00	40.14 2.59 0.00	37.24 2.60 0.00	32.11 2.41 -0.01	30.99 2.40 -0.01	30.63 2.49 -1.33	30.55 2.58 -2.48	31.28 2.67 -2.64	32.40 2.70 -3.74	33.72 2.89 -2.76	37.96 3.00 -1.96	47.29 3.37 -0.67	54.68 3.43 0.00	59.36 3.83 0.00	59.30 3.72 0.00	50.70 3.05 0.00	42.43 2.54 -0.87	34.32 2.19 0.00
RAVENSWOOD_GT_6 24253	29.55 1.80 0.00	22.83 1.51 0.00	21.53 1.40 -0.18	21.40 1.34 0.00	23.89 1.35 0.00	31.55 1.67 0.00	37.61 2.10 0.00	40.14 2.59 0.00	37.24 2.60 0.00	32.11 2.41 -0.01	30.99 2.40 -0.01	30.63 2.49 -1.33	30.55 2.58 -2.48	31.28 2.67 -2.64	32.40 2.70 -3.74	33.72 2.89 -2.76	37.96 3.00 -1.96	47.29 3.37 -0.67	54.68 3.43 0.00	59.36 3.83 0.00	59.30 3.72 0.00	50.70 3.05 0.00	42.43 2.54 -0.87	34.32 2.19 0.00
RAVENSWOOD_GT_7 24255	29.55 1.80 0.00	22.83 1.51 0.00	21.53 1.40 -0.18	21.40 1.34 0.00	23.89 1.35 0.00	31.55 1.67 0.00	37.61 2.10 0.00	40.14 2.59 0.00	37.24 2.60 0.00	32.11 2.41 -0.01	30.99 2.40 -0.01	30.63 2.49 -1.33	30.55 2.58 -2.48	31.28 2.67 -2.64	32.40 2.70 -3.74	33.72 2.89 -2.76	37.96 3.00 -1.96	47.29 3.37 -0.67	54.68 3.43 0.00	59.36 3.83 0.00	59.30 3.72 0.00	50.70 3.05 0.00	42.43 2.54 -0.87	34.32 2.19 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	29.55 1.80 0.00	22.85 1.53 0.00	21.53 1.40 -0.18	21.42 1.36 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.61 2.10 0.00	40.14 2.59 0.00	37.23 2.60 0.00	32.10 2.41 0.00	30.99 2.40 0.00	29.30 2.49 0.00	28.52 2.58 -0.45	29.02 2.70 -0.36	29.55 2.73 -0.86	31.03 2.92 -0.05	36.00 3.00 0.00	46.62 3.37 0.00	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.69 3.05 0.00	41.56 2.54 0.00	34.32 2.19 0.00
RAVENSWOOD_GT_9 24257	29.55 1.80 0.00	22.85 1.53 0.00	21.53 1.40 -0.18	21.42 1.36 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.61 2.10 0.00	40.14 2.59 0.00	37.23 2.60 0.00	32.10 2.41 0.00	30.99 2.40 0.00	29.30 2.49 0.00	28.52 2.58 -0.45	29.02 2.70 -0.36	29.55 2.73 -0.86	31.03 2.92 -0.05	36.00 3.00 0.00	46.62 3.37 0.00	54.68 3.43 0.00	59.30 3.78 0.00	59.25 3.67 0.00	50.69 3.05 0.00	41.56 2.54 0.00	34.32 2.19 0.00



RAVENSWOOD___1 23533	29.64 1.89 0.00	22.93 1.62 0.00	21.61 1.48 -0.18	21.48 1.42 0.00	23.95 1.42 0.00	31.55 1.67 0.00	37.57 2.06 0.00	40.10 2.55 0.00	37.24 2.60 0.00	32.16 2.46 0.00	31.07 2.49 0.00	29.41 2.60 0.00	28.65 2.70 -0.45	29.12 2.80 -0.36	29.65 2.83 -0.86	31.15 3.03 -0.05	36.13 3.14 0.00	46.71 3.46 0.00	54.68 3.43 0.00	59.25 3.72 0.00	59.19 3.61 0.00	50.55 2.91 0.00	41.52 2.50 0.00	34.29 2.15 0.00
RAVENSWOOD___2 23534	29.64 1.89 0.00	22.93 1.62 0.00	21.61 1.48 -0.18	21.48 1.42 0.00	23.95 1.42 0.00	31.55 1.67 0.00	37.57 2.06 0.00	40.10 2.55 0.00	37.20 2.56 0.00	32.16 2.46 0.00	31.07 2.49 0.00	29.41 2.60 0.00	28.65 2.70 -0.45	29.12 2.80 -0.36	29.65 2.83 -0.86	31.15 3.03 -0.05	36.13 3.14 0.00	46.71 3.46 0.00	54.63 3.38 0.00	59.25 3.72 0.00	59.19 3.61 0.00	50.55 2.91 0.00	41.52 2.50 0.00	34.29 2.15 0.00
RAVENSWOOD___3 23535	29.55 1.80 0.00	22.85 1.54 0.00	21.55 1.42 -0.18	21.42 1.36 0.00	23.88 1.35 0.00	31.55 1.67 0.00	37.60 2.09 0.00	40.14 2.59 0.00	37.24 2.60 0.00	32.10 2.40 0.00	30.99 2.40 0.00	29.33 2.52 0.00	28.55 2.60 -0.45	29.02 2.70 -0.36	29.55 2.72 -0.86	31.03 2.92 -0.05	36.07 3.07 0.00	46.63 3.38 0.00	54.68 3.43 0.00	59.30 3.78 0.00	59.31 3.72 0.00	50.65 3.00 0.00	41.55 2.53 0.00	34.32 2.19 0.00
RAVENSWOOD___4 23820	29.63 1.89 0.00	22.91 1.60 0.00	21.61 1.48 -0.18	21.48 1.42 0.00	23.95 1.42 0.00	31.52 1.64 0.00	37.53 2.02 0.00	40.06 2.52 0.00	37.20 2.56 0.00	32.15 2.46 0.01	31.04 2.46 0.01	27.69 2.60 1.72	26.00 2.68 2.17	26.17 2.80 2.60	25.93 2.83 2.86	27.61 3.00 3.45	33.60 3.14 2.54	45.85 3.46 0.86	54.63 3.38 0.00	59.19 3.66 0.00	59.14 3.56 0.00	50.55 2.91 0.00	40.39 2.50 1.13	34.25 2.12 0.00
RCPL_TRUST___DRP 24196	29.75 2.00 0.00	22.98 1.66 0.00	21.67 1.54 -0.18	21.54 1.48 0.00	24.04 1.51 0.00	31.76 1.88 0.00	37.89 2.38 0.00	40.48 2.93 0.00	37.58 2.94 0.00	32.34 2.64 0.00	31.19 2.60 0.00	29.49 2.68 0.00	28.70 2.75 -0.45	29.17 2.86 -0.36	29.70 2.88 -0.86	31.23 3.11 -0.05	36.23 3.23 0.00	46.93 3.68 0.00	55.14 3.89 0.00	59.80 4.28 0.00	59.75 4.17 0.00	51.07 3.43 0.00	41.75 2.73 0.00	34.58 2.44 0.00
RED___ROCHESTER 323720	26.83 -0.92 0.00	20.59 -0.72 0.00	19.24 -0.74 -0.02	19.28 -0.78 0.00	21.63 -0.90 0.00	28.68 -1.20 0.00	34.09 -1.42 0.00	36.05 -1.50 0.00	33.36 -1.28 0.00	28.33 -1.37 0.00	27.36 -1.23 0.00	26.00 -0.80 0.00	24.76 -0.74 0.00	25.42 -0.55 0.00	25.49 -0.47 0.00	27.33 -0.73 0.00	31.81 -1.19 0.00	41.56 -1.69 0.00	49.19 -2.05 0.00	53.64 -1.89 0.00	53.91 -1.67 0.00	46.02 -1.62 0.00	37.73 -1.29 0.00	31.30 -0.84 0.00
REGAN___SOLAR 323812	29.41 1.66 0.00	22.68 1.37 0.00	21.48 1.28 -0.24	21.30 1.24 0.00	23.84 1.31 0.00	31.67 1.79 0.00	37.61 2.06 -0.04	39.65 2.03 -0.07	35.99 1.35 0.00	30.38 0.68 0.00	29.30 0.71 0.00	27.45 0.64 0.00	26.18 0.71 0.03	26.77 0.83 0.02	26.76 0.86 0.06	29.15 1.09 0.00	34.35 1.35 0.00	45.11 1.86 0.00	54.60 2.97 -0.39	60.49 3.89 -1.08	61.29 4.22 -1.48	51.53 3.10 -0.79	42.08 2.46 -0.60	34.16 2.03 0.00
RENSSELAER___COGEN 23796	28.36 0.61 0.00	21.95 0.64 0.00	20.77 0.60 -0.22	20.62 0.56 0.00	23.05 0.52 0.00	30.42 0.54 0.00	35.70 0.53 0.35	37.59 0.64 0.59	35.16 0.52 0.00	30.14 0.45 0.00	29.07 0.49 0.00	27.26 0.46 0.00	26.03 0.56 0.02	26.57 0.62 0.02	26.53 0.62 0.05	28.79 0.73 0.00	33.66 0.66 0.00	43.55 0.30 0.00	48.30 0.41 3.35	46.66 0.50 9.36	43.32 0.61 12.87	41.18 0.38 6.84	34.38 0.55 5.19	32.74 0.61 0.00
REPUBLIC_115KV_BARTNBK 55605	29.52 1.78 0.00	22.76 1.45 0.00	21.58 1.40 -0.22	21.40 1.34 0.00	23.93 1.40 0.00	31.79 1.91 0.00	38.09 2.27 -0.30	40.55 2.55 -0.45	36.44 1.80 0.00	30.59 0.89 0.00	29.53 0.94 0.00	27.45 0.64 0.00	26.23 0.76 0.03	26.87 0.93 0.03	26.88 0.99 0.06	29.52 1.46 0.00	35.01 2.01 0.00	44.81 1.56 0.00	56.25 2.51 -2.50	66.05 3.55 -6.97	69.05 3.89 -9.58	55.26 2.53 -5.09	44.87 1.99 -3.86	33.74 1.61 0.00
REVERE_CPPR_DRP 24186	28.30 0.55 0.00	21.76 0.45 0.00	20.33 0.36 -0.01	20.34 0.28 0.00	22.85 0.32 0.00	30.48 0.60 0.00	36.36 0.85 0.00	38.34 0.79 0.00	35.16 0.52 0.00	29.85 0.15 0.00	28.70 0.11 0.00	27.02 0.21 0.00	25.70 0.20 0.00	26.22 0.26 0.00	26.32 0.36 0.00	28.40 0.34 0.00	33.52 0.53 0.00	44.29 1.04 0.00	52.78 1.54 0.00	57.36 1.83 0.00	57.53 1.95 0.00	49.22 1.57 0.00	40.03 1.01 0.00	32.97 0.84 0.00
REYNLDPA_13_KV_LD 356490	27.61 -0.14 0.00	21.06 -0.26 0.00	19.80 -0.16 0.00	19.94 -0.12 0.00	22.42 -0.11 0.00	29.88 0.00 0.00	35.47 -0.04 0.00	37.59 0.04 0.00	34.64 0.00 0.00	29.79 0.09 0.00	28.53 -0.06 0.00	26.54 -0.27 0.00	25.14 -0.36 0.00	25.47 -0.49 0.00	25.39 -0.57 0.00	27.50 -0.56 0.00	32.70 -0.30 0.00	43.38 0.13 0.00	51.50 0.26 0.00	55.75 0.22 0.00	55.75 0.17 0.00	47.88 0.24 0.00	39.18 0.16 0.00	31.97 -0.16 0.00
REYNOLDS_115KV_TB3 80639	28.55 0.80 0.00	22.10 0.79 0.00	20.92 0.74 -0.22	20.76 0.70 0.00	23.21 0.68 0.00	30.66 0.78 0.00	35.88 0.82 0.45	37.68 0.90 0.77	35.47 0.83 0.00	30.38 0.68 0.00	29.30 0.71 0.00	27.48 0.67 0.00	26.24 0.76 0.02	26.78 0.83 0.02	26.75 0.83 0.04	29.01 0.95 0.00	33.89 0.89 0.00	43.81 0.56 0.00	47.62 0.72 4.34	44.29 0.89 12.12	39.80 0.89 16.67	39.45 0.67 8.86	33.08 0.78 6.72	33.00 0.87 0.00
RIVERBAY____ 323610	29.80 2.05 0.00	23.11 1.79 0.00	21.79 1.66 -0.18	21.64 1.58 0.00	24.13 1.60 0.00	31.64 1.76 0.00	37.64 2.13 0.00	40.14 2.59 0.00	37.27 2.63 0.00	32.19 2.49 0.00	31.07 2.49 0.00	29.38 2.57 0.00	28.62 2.68 -0.45	29.07 2.75 -0.36	29.60 2.78 -0.86	31.09 2.97 -0.05	36.03 3.04 0.00	46.67 3.42 0.00	54.57 3.33 0.00	59.19 3.66 0.00	59.08 3.50 0.00	50.55 2.91 0.00	41.48 2.46 0.00	34.26 2.12 0.00
RIVERSDE_115KV_TB3 55908	28.47 0.72 0.00	22.04 0.72 0.00	20.86 0.68 -0.22	20.70 0.64 0.00	23.14 0.61 0.00	30.57 0.69 0.00	35.81 0.67 0.38	37.69 0.79 0.65	35.33 0.69 0.00	30.26 0.56 0.00	29.19 0.60 0.00	27.37 0.56 0.00	26.14 0.66 0.02	26.67 0.73 0.02	26.64 0.73 0.04	28.90 0.84 0.00	33.82 0.82 0.00	43.73 0.48 0.00	48.14 0.56 3.67	46.01 0.72 10.24	42.27 0.78 14.08	40.73 0.57 7.48	34.05 0.70 5.68	32.91 0.77 0.00
ROARING___BROOK_WT_PWR 323790	27.58 -0.17 0.00	21.10 -0.21 0.00	19.74 -0.22 0.00	19.80 -0.26 0.00	22.22 -0.32 0.00	29.34 -0.54 0.00	34.69 -0.82 0.00	36.65 -0.90 0.00	33.91 -0.73 0.00	29.22 -0.48 0.00	28.13 -0.46 0.00	26.35 -0.46 0.00	25.04 -0.46 0.00	25.50 -0.47 0.00	25.49 -0.47 0.00	27.61 -0.45 0.00	32.60 -0.39 0.00	42.99 -0.26 0.00	51.19 -0.05 0.00	55.58 0.06 0.00	55.58 0.00 0.00	47.55 -0.10 0.00	38.90 -0.12 0.00	31.91 -0.22 0.00



ROCHESRG_115KV_T4 355643	26.64 -1.11 0.00	20.46 -0.85 0.00	19.10 -0.88 -0.02	19.16 -0.90 0.00	21.47 -1.06 0.00	28.45 -1.43 0.00	33.81 -1.70 0.00	35.67 -1.88 0.00	33.01 -1.63 0.00	28.09 -1.60 0.00	27.13 -1.46 0.00	25.76 -1.05 0.00	24.53 -0.97 0.00	25.16 -0.80 0.00	25.26 -0.70 0.00	27.05 -1.01 0.00	31.48 -1.52 0.00	41.00 -2.25 0.00	48.58 -2.66 0.00	52.86 -2.67 0.00	53.08 -2.50 0.00	45.41 -2.24 0.00	37.30 -1.72 0.00	31.01 -1.12 0.00
ROCHESTER_9_IC 23652	26.75 -1.00 0.00	20.53 -0.79 0.00	19.18 -0.80 -0.02	19.22 -0.84 0.00	21.56 -0.97 0.00	28.57 -1.31 0.00	33.98 -1.53 0.00	35.90 -1.65 0.00	33.18 -1.45 0.00	28.21 -1.48 0.00	27.24 -1.34 0.00	25.90 -0.91 0.00	24.63 -0.87 0.00	25.29 -0.68 0.00	25.39 -0.57 0.00	27.19 -0.87 0.00	31.64 -1.35 0.00	41.22 -2.03 0.00	48.89 -2.36 0.00	53.25 -2.28 0.00	53.47 -2.11 0.00	45.69 -1.95 0.00	37.50 -1.52 0.00	31.14 -1.00 0.00
ROCKVIEW_13_KV_LD 356306	29.52 1.78 0.00	22.83 1.51 0.00	21.53 1.40 -0.18	21.40 1.34 0.00	23.88 1.35 0.00	31.58 1.70 0.00	37.61 2.10 0.00	40.14 2.59 0.00	37.20 2.56 0.00	32.04 2.35 0.00	30.93 2.34 0.00	29.27 2.47 0.00	28.47 2.52 -0.45	28.97 2.65 -0.36	29.47 2.65 -0.86	30.98 2.86 -0.05	35.97 2.97 0.00	46.62 3.37 0.00	54.78 3.54 0.00	59.41 3.89 0.00	59.36 3.78 0.00	50.74 3.10 0.00	41.59 2.58 0.00	34.32 2.19 0.00
ROME____115KV_TB2 80656	28.30 0.55 0.00	21.76 0.45 0.00	20.33 0.36 -0.01	20.34 0.28 0.00	22.85 0.32 0.00	30.48 0.60 0.00	36.36 0.85 0.00	38.34 0.79 0.00	35.16 0.52 0.00	29.85 0.15 0.00	28.70 0.11 0.00	27.02 0.21 0.00	25.70 0.20 0.00	26.22 0.26 0.00	26.32 0.36 0.00	28.40 0.34 0.00	33.52 0.53 0.00	44.29 1.04 0.00	52.78 1.54 0.00	57.36 1.83 0.00	57.53 1.95 0.00	49.22 1.57 0.00	40.03 1.01 0.00	32.97 0.84 0.00
ROSETON___1 23587	29.19 1.44 0.00	22.55 1.24 0.00	21.27 1.14 -0.18	21.16 1.10 0.00	23.61 1.08 0.00	31.23 1.35 0.00	37.14 1.63 0.00	39.65 2.10 0.00	36.72 2.08 0.00	31.57 1.87 0.00	30.47 1.89 0.00	28.79 1.98 0.00	27.98 2.04 -0.44	28.47 2.15 -0.35	28.99 2.18 -0.85	30.44 2.33 -0.05	35.44 2.44 0.00	45.93 2.68 0.00	54.06 2.82 0.00	58.58 3.05 0.00	58.64 3.05 0.00	50.07 2.43 0.00	41.05 2.03 0.00	33.90 1.77 0.00
ROSETON___2 23588	29.19 1.44 0.00	22.55 1.24 0.00	21.27 1.14 -0.18	21.16 1.10 0.00	23.61 1.08 0.00	31.23 1.35 0.00	37.14 1.63 0.00	39.65 2.10 0.00	36.72 2.08 0.00	31.57 1.87 0.00	30.47 1.89 0.00	28.79 1.98 0.00	27.98 2.04 -0.44	28.47 2.15 -0.35	28.99 2.18 -0.85	30.44 2.33 -0.05	35.44 2.44 0.00	45.93 2.68 0.00	54.06 2.82 0.00	58.58 3.05 0.00	58.64 3.05 0.00	50.07 2.43 0.00	41.05 2.03 0.00	33.90 1.77 0.00
ROTRDAM_115KV_TB3 80664	28.64 0.89 0.00	22.10 0.79 0.00	20.90 0.72 -0.23	20.76 0.70 0.00	23.23 0.70 0.00	30.75 0.87 0.00	36.55 0.99 -0.05	38.68 1.05 -0.08	35.50 0.87 0.00	30.35 0.65 0.00	29.24 0.66 0.00	27.45 0.64 0.00	26.17 0.71 0.04	26.71 0.78 0.03	26.67 0.78 0.07	28.95 0.90 0.00	33.99 0.99 0.00	44.16 0.91 0.00	52.85 1.18 -0.43	58.17 1.44 -1.20	58.73 1.50 -1.65	49.66 1.14 -0.87	40.70 1.01 -0.66	33.07 0.93 0.00
RUSSELL___1 23602	26.83 -0.92 0.00	20.59 -0.72 0.00	19.24 -0.74 -0.02	19.28 -0.78 0.00	21.63 -0.90 0.00	28.68 -1.20 0.00	34.09 -1.42 0.00	36.05 -1.50 0.00	33.32 -1.32 0.00	28.33 -1.37 0.00	27.36 -1.23 0.00	26.00 -0.80 0.00	24.76 -0.74 0.00	25.42 -0.55 0.00	25.52 -0.44 0.00	27.33 -0.73 0.00	31.81 -1.19 0.00	41.48 -1.77 0.00	49.19 -2.05 0.00	53.53 -2.00 0.00	53.80 -1.78 0.00	45.93 -1.72 0.00	37.69 -1.33 0.00	31.30 -0.84 0.00
RUSSELL___2 23532	26.83 -0.92 0.00	20.59 -0.72 0.00	19.24 -0.74 -0.02	19.28 -0.78 0.00	21.63 -0.90 0.00	28.68 -1.20 0.00	34.09 -1.42 0.00	36.05 -1.50 0.00	33.32 -1.32 0.00	28.33 -1.37 0.00	27.36 -1.23 0.00	26.00 -0.80 0.00	24.76 -0.74 0.00	25.42 -0.55 0.00	25.52 -0.44 0.00	27.33 -0.73 0.00	31.81 -1.19 0.00	41.48 -1.77 0.00	49.19 -2.05 0.00	53.53 -2.00 0.00	53.80 -1.78 0.00	45.93 -1.72 0.00	37.69 -1.33 0.00	31.30 -0.84 0.00
RUSSELL___3 23549	26.83 -0.92 0.00	20.59 -0.72 0.00	19.24 -0.74 -0.02	19.28 -0.78 0.00	21.63 -0.90 0.00	28.68 -1.20 0.00	34.09 -1.42 0.00	36.05 -1.50 0.00	33.32 -1.32 0.00	28.33 -1.37 0.00	27.36 -1.23 0.00	26.00 -0.80 0.00	24.76 -0.74 0.00	25.42 -0.55 0.00	25.52 -0.44 0.00	27.33 -0.73 0.00	31.81 -1.19 0.00	41.48 -1.77 0.00	49.19 -2.05 0.00	53.53 -2.00 0.00	53.80 -1.78 0.00	45.93 -1.72 0.00	37.69 -1.33 0.00	31.30 -0.84 0.00
RUSSELL___4 23556	26.83 -0.92 0.00	20.59 -0.72 0.00	19.24 -0.74 -0.02	19.28 -0.78 0.00	21.63 -0.90 0.00	28.68 -1.20 0.00	34.09 -1.42 0.00	36.05 -1.50 0.00	33.32 -1.32 0.00	28.33 -1.37 0.00	27.36 -1.23 0.00	26.00 -0.80 0.00	24.76 -0.74 0.00	25.42 -0.55 0.00	25.52 -0.44 0.00	27.33 -0.73 0.00	31.81 -1.19 0.00	41.48 -1.77 0.00	49.19 -2.05 0.00	53.53 -2.00 0.00	53.80 -1.78 0.00	45.93 -1.72 0.00	37.69 -1.33 0.00	31.30 -0.84 0.00
RUSSELL___STATION 23914	26.83 -0.92 0.00	20.59 -0.72 0.00	19.24 -0.74 -0.02	19.28 -0.78 0.00	21.63 -0.90 0.00	28.68 -1.20 0.00	34.09 -1.42 0.00	36.05 -1.50 0.00	33.32 -1.32 0.00	28.33 -1.37 0.00	27.36 -1.23 0.00	26.00 -0.80 0.00	24.76 -0.74 0.00	25.42 -0.55 0.00	25.52 -0.44 0.00	27.33 -0.73 0.00	31.81 -1.19 0.00	41.48 -1.77 0.00	49.19 -2.05 0.00	53.53 -2.00 0.00	53.80 -1.78 0.00	45.93 -1.72 0.00	37.69 -1.33 0.00	31.30 -0.84 0.00
S SALMON___HYD 24043	27.25 -0.50 0.00	20.95 -0.36 0.00	19.57 -0.40 -0.01	19.62 -0.44 0.00	22.02 -0.52 0.00	29.25 -0.63 0.00	34.83 -0.68 0.00	36.72 -0.83 0.00	33.70 -0.93 0.00	28.75 -0.95 0.00	27.67 -0.92 0.00	26.06 -0.75 0.00	24.78 -0.71 0.00	25.32 -0.65 0.00	25.31 -0.65 0.00	27.33 -0.73 0.00	32.11 -0.89 0.00	42.34 -0.91 0.00	50.48 -0.77 0.00	54.92 -0.61 0.00	55.03 -0.56 0.00	47.12 -0.52 0.00	38.47 -0.55 0.00	31.72 -0.42 0.00
S.PERRY__115KV_TB1 80734	27.41 -0.33 0.00	20.97 -0.34 0.00	19.53 -0.46 -0.03	19.58 -0.48 0.00	21.97 -0.56 0.00	29.25 -0.63 0.00	34.94 -0.57 0.00	36.76 -0.79 0.00	33.67 -0.97 0.00	28.54 -1.16 0.00	27.41 -1.17 0.00	26.03 -0.78 0.00	24.78 -0.71 0.00	25.42 -0.55 0.00	25.54 -0.42 0.00	27.44 -0.62 0.00	32.01 -0.99 0.00	40.78 -2.47 0.00	48.84 -2.41 0.00	53.42 -2.11 0.00	53.75 -1.83 0.00	45.79 -1.86 0.00	37.42 -1.60 0.00	32.01 -0.13 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	26.22 -1.53 0.00	20.12 -1.19 0.00	18.65 -1.34 -0.03	18.72 -1.34 0.00	20.91 -1.62 0.00	27.61 -2.27 0.00	32.92 -2.59 0.00	34.62 -2.93 0.00	32.21 -2.42 0.00	27.38 -2.32 0.00	26.44 -2.14 0.00	25.31 -1.50 0.00	24.12 -1.38 0.00	24.80 -1.17 0.00	25.00 -0.96 0.00	26.63 -1.43 0.00	30.69 -2.31 0.00	39.88 -3.37 0.00	46.99 -4.25 0.00	51.31 -4.22 0.00	51.47 -4.11 0.00	44.17 -3.48 0.00	36.37 -2.65 0.00	30.40 -1.74 0.00



SAWYER___23_KV_LOAD 55526	26.22 -1.53 0.00	20.12 -1.19 0.00	18.65 -1.34 -0.03	18.72 -1.34 0.00	20.91 -1.62 0.00	27.61 -2.27 0.00	32.92 -2.59 0.00	34.62 -2.93 0.00	32.21 -2.42 0.00	27.38 -2.32 0.00	26.44 -2.14 0.00	25.31 -1.50 0.00	24.12 -1.38 0.00	24.80 -1.17 0.00	25.00 -0.96 0.00	26.63 -1.43 0.00	30.69 -2.31 0.00	39.88 -3.37 0.00	46.99 -4.25 0.00	51.31 -4.22 0.00	51.47 -4.11 0.00	44.17 -3.48 0.00	36.37 -2.65 0.00	30.40 -1.74 0.00
SELKIRK___I 23801	28.52 0.78 0.00	22.04 0.73 0.00	20.85 0.68 -0.22	20.72 0.66 0.00	23.16 0.63 0.00	30.63 0.75 0.00	36.05 0.75 0.20	37.91 0.71 0.35	35.16 0.52 0.00	30.06 0.36 0.00	28.99 0.40 0.00	27.18 0.38 0.00	25.95 0.46 0.00	26.51 0.55 0.00	26.50 0.55 0.00	28.73 0.67 0.00	33.62 0.63 0.00	43.68 0.43 0.00	49.99 0.72 1.97	50.96 0.94 5.50	49.06 1.05 7.57	44.34 0.72 4.02	36.75 0.78 3.05	32.94 0.80 0.00
SELKIRK___II 23799	28.44 0.69 0.00	21.98 0.66 0.00	20.79 0.62 -0.22	20.66 0.60 0.00	23.10 0.56 0.00	30.51 0.63 0.00	35.95 0.67 0.23	37.91 0.75 0.39	35.26 0.62 0.00	30.23 0.54 0.00	29.16 0.57 0.00	27.37 0.56 0.00	26.10 0.64 0.03	26.64 0.70 0.03	26.62 0.73 0.06	28.87 0.81 0.00	33.76 0.76 0.00	43.77 0.52 0.00	49.70 0.66 2.21	50.13 0.78 6.17	47.98 0.89 8.49	43.75 0.62 4.51	36.30 0.70 3.42	32.84 0.71 0.00
SENECA OSWGO___HYD 24041	27.11 -0.64 0.00	20.85 -0.47 0.00	19.49 -0.48 -0.01	19.56 -0.50 0.00	21.95 -0.59 0.00	29.10 -0.78 0.00	34.66 -0.85 0.00	36.46 -1.09 0.00	33.60 -1.04 0.00	28.78 -0.92 0.00	27.73 -0.86 0.00	26.11 -0.70 0.00	24.86 -0.64 0.00	25.39 -0.57 0.00	25.41 -0.55 0.00	27.44 -0.62 0.00	32.17 -0.82 0.00	42.12 -1.12 0.00	49.96 -1.28 0.00	54.08 -1.44 0.00	54.19 -1.39 0.00	46.36 -1.28 0.00	37.97 -1.05 0.00	31.40 -0.74 0.00
SENECA___115KV_TB3 355854	26.50 -1.25 0.00	20.33 -0.98 0.00	18.79 -1.20 -0.03	18.88 -1.18 0.00	21.09 -1.44 0.00	27.91 -1.97 0.00	33.34 -2.17 0.00	35.03 -2.52 0.00	32.63 -2.01 0.00	27.71 -1.99 0.00	26.79 -1.80 0.00	25.65 -1.15 0.00	24.45 -1.05 0.00	25.16 -0.80 0.00	25.36 -0.60 0.00	27.08 -0.98 0.00	31.18 -1.81 0.00	40.61 -2.64 0.00	47.81 -3.43 0.00	52.19 -3.33 0.00	52.30 -3.28 0.00	44.79 -2.86 0.00	36.83 -2.19 0.00	30.75 -1.38 0.00
SENECA___ENERGY 23797	27.25 -0.50 0.00	20.91 -0.41 0.00	19.54 -0.44 -0.02	19.60 -0.46 0.00	21.97 -0.56 0.00	29.22 -0.66 0.00	34.87 -0.64 0.00	36.72 -0.83 0.00	33.81 -0.83 0.00	28.90 -0.80 0.00	27.82 -0.77 0.00	26.27 -0.54 0.00	25.01 -0.49 0.00	25.57 -0.39 0.00	25.62 -0.34 0.00	27.64 -0.42 0.00	32.34 -0.66 0.00	42.43 -0.82 0.00	50.22 -1.02 0.00	54.53 -1.00 0.00	54.69 -0.89 0.00	46.79 -0.86 0.00	38.24 -0.78 0.00	31.62 -0.52 0.00
SHOEMAKER___GT 23640	28.97 1.22 0.00	22.38 1.07 0.00	21.10 0.98 -0.16	21.00 0.94 0.00	23.46 0.92 0.00	30.99 1.11 0.00	36.89 1.38 0.00	39.31 1.77 0.00	36.33 1.70 0.00	31.18 1.48 0.00	30.10 1.51 0.00	28.42 1.61 0.00	27.53 1.66 -0.38	28.03 1.77 -0.30	28.48 1.79 -0.73	30.04 1.93 -0.04	35.04 2.05 0.00	45.54 2.29 0.00	53.70 2.46 0.00	58.25 2.72 0.00	58.30 2.72 0.00	49.79 2.15 0.00	40.82 1.80 0.00	33.68 1.54 0.00
SHOEMAKR_138KV_BK 111 55601	28.97 1.22 0.00	22.38 1.07 0.00	21.10 0.98 -0.16	21.02 0.96 0.00	23.48 0.95 0.00	31.02 1.14 0.00	36.93 1.42 0.00	39.35 1.80 0.00	36.37 1.73 0.00	31.24 1.54 0.00	30.13 1.54 0.00	28.47 1.66 0.00	27.58 1.71 -0.38	28.05 1.79 -0.30	28.52 1.84 -0.72	30.07 1.96 -0.04	35.04 2.05 0.00	45.59 2.34 0.00	53.70 2.46 0.00	58.25 2.72 0.00	58.30 2.72 0.00	49.84 2.19 0.00	40.81 1.79 0.00	33.68 1.54 0.00
SHOREHAM_IC_1 23715	34.02 2.97 -3.31	23.75 2.43 -0.01	22.40 2.25 -0.18	22.29 2.23 -0.01	34.23 2.34 -9.36	46.05 3.02 -13.16	48.88 3.52 -9.85	54.82 3.91 -13.37	48.39 3.81 -9.95	46.55 3.33 -13.53	48.91 3.06 -17.26	48.75 3.05 -18.89	48.76 3.06 -20.20	48.79 3.14 -19.69	49.28 3.14 -20.19	50.49 3.34 -19.09	52.79 3.66 -16.14	77.00 4.28 -29.47	143.22 4.71 -87.26	137.03 5.28 -76.23	139.30 5.22 -78.50	78.06 4.14 -26.27	53.65 3.67 -10.97	50.48 3.31 -15.04
SHOREHAM_IC_2 23716	34.02 2.97 -3.31	23.75 2.43 -0.01	22.40 2.26 -0.18	22.30 2.23 -0.01	34.23 2.34 -9.36	46.06 3.02 -13.16	48.88 3.52 -9.85	54.82 3.91 -13.37	48.43 3.84 -9.95	46.55 3.33 -13.53	48.91 3.06 -17.26	48.75 3.06 -18.89	48.76 3.06 -20.20	48.82 3.17 -19.69	49.29 3.14 -20.19	50.49 3.34 -19.09	52.76 3.63 -16.14	77.00 4.28 -29.47	143.12 4.61 -87.26	136.92 5.16 -76.23	139.14 5.06 -78.50	78.11 4.19 -26.27	53.69 3.71 -10.97	50.48 3.31 -15.04
SISSONVILLE____ 23735	26.80 -0.94 0.00	20.42 -0.90 0.00	19.20 -0.76 0.00	19.30 -0.76 0.00	21.70 -0.83 0.00	29.19 -0.69 0.00	34.69 -0.82 0.00	36.72 -0.83 0.00	33.70 -0.94 0.00	28.96 -0.74 0.00	27.53 -1.06 0.00	25.55 -1.26 0.00	24.17 -1.33 0.00	24.48 -1.48 0.00	24.40 -1.56 0.00	26.46 -1.60 0.00	31.58 -1.42 0.00	42.17 -1.08 0.00	50.32 -0.92 0.00	54.69 -0.83 0.00	54.58 -1.00 0.00	46.88 -0.76 0.00	38.24 -0.78 0.00	31.11 -1.03 0.00
SITHE_IND_GS1 24169	27.00 -0.75 0.00	20.76 -0.55 0.00	19.43 -0.54 -0.01	19.50 -0.56 0.00	21.88 -0.65 0.00	28.98 -0.90 0.00	34.48 -1.03 0.00	36.27 -1.28 0.00	33.46 -1.18 0.00	28.66 -1.04 0.00	27.61 -0.97 0.00	25.98 -0.83 0.00	24.73 -0.76 0.00	25.24 -0.73 0.00	25.26 -0.70 0.00	27.28 -0.79 0.00	31.94 -1.06 0.00	41.82 -1.43 0.00	49.55 -1.69 0.00	53.64 -1.89 0.00	53.75 -1.83 0.00	45.98 -1.67 0.00	37.73 -1.29 0.00	31.20 -0.93 0.00
SITHE_IND_GS2 24170	27.00 -0.75 0.00	20.76 -0.55 0.00	19.43 -0.54 -0.01	19.50 -0.56 0.00	21.88 -0.65 0.00	28.98 -0.90 0.00	34.48 -1.03 0.00	36.27 -1.28 0.00	33.46 -1.18 0.00	28.66 -1.04 0.00	27.61 -0.97 0.00	25.98 -0.83 0.00	24.73 -0.76 0.00	25.24 -0.73 0.00	25.26 -0.70 0.00	27.28 -0.79 0.00	31.94 -1.06 0.00	41.82 -1.43 0.00	49.55 -1.69 0.00	53.64 -1.89 0.00	53.75 -1.83 0.00	45.98 -1.67 0.00	37.73 -1.29 0.00	31.20 -0.93 0.00
SITHE_IND_GS3 24171	27.00 -0.75 0.00	20.76 -0.55 0.00	19.43 -0.54 -0.01	19.50 -0.56 0.00	21.88 -0.65 0.00	28.98 -0.90 0.00	34.48 -1.03 0.00	36.27 -1.28 0.00	33.46 -1.18 0.00	28.66 -1.04 0.00	27.61 -0.97 0.00	25.98 -0.83 0.00	24.73 -0.76 0.00	25.24 -0.73 0.00	25.26 -0.70 0.00	27.28 -0.79 0.00	31.94 -1.06 0.00	41.82 -1.43 0.00	49.55 -1.69 0.00	53.64 -1.89 0.00	53.75 -1.83 0.00	45.98 -1.67 0.00	37.73 -1.29 0.00	31.20 -0.93 0.00
SITHE_IND_GS4 24172	27.00 -0.75 0.00	20.76 -0.55 0.00	19.43 -0.54 -0.01	19.50 -0.56 0.00	21.88 -0.65 0.00	28.98 -0.90 0.00	34.48 -1.03 0.00	36.27 -1.28 0.00	33.46 -1.18 0.00	28.66 -1.04 0.00	27.61 -0.97 0.00	25.98 -0.83 0.00	24.73 -0.76 0.00	25.24 -0.73 0.00	25.26 -0.70 0.00	27.28 -0.79 0.00	31.94 -1.06 0.00	41.82 -1.43 0.00	49.55 -1.69 0.00	53.64 -1.89 0.00	53.75 -1.83 0.00	45.98 -1.67 0.00	37.73 -1.29 0.00	31.20 -0.93 0.00



SITHE___BATAVIA 24024	26.69 -1.05 0.00	20.51 -0.81 0.00	19.08 -0.90 -0.02	19.14 -0.92 0.00	21.45 -1.08 0.00	28.51 -1.37 0.00	33.98 -1.53 0.00	35.90 -1.65 0.00	33.25 -1.39 0.00	28.06 -1.63 0.00	27.10 -1.49 0.00	25.84 -0.96 0.00	24.58 -0.92 0.00	25.32 -0.65 0.00	25.46 -0.49 0.00	27.19 -0.87 0.00	31.51 -1.48 0.00	41.30 -1.95 0.00	48.68 -2.56 0.00	53.36 -2.17 0.00	53.63 -1.95 0.00	45.79 -1.86 0.00	37.54 -1.48 0.00	31.24 -0.90 0.00
SITHE___INDEPEND 23800	27.00 -0.75 0.00	20.76 -0.55 0.00	19.43 -0.54 -0.01	19.50 -0.56 0.00	21.88 -0.65 0.00	28.98 -0.90 0.00	34.48 -1.03 0.00	36.27 -1.28 0.00	33.46 -1.18 0.00	28.66 -1.04 0.00	27.61 -0.97 0.00	25.98 -0.83 0.00	24.73 -0.76 0.00	25.24 -0.73 0.00	25.26 -0.70 0.00	27.28 -0.79 0.00	31.94 -1.06 0.00	41.82 -1.43 0.00	49.55 -1.69 0.00	53.64 -1.89 0.00	53.69 -1.89 0.00	45.98 -1.67 0.00	37.73 -1.29 0.00	31.20 -0.93 0.00
SITHE___MASSENA 23902	27.52 -0.22 0.00	21.00 -0.32 0.00	19.74 -0.22 0.00	19.86 -0.20 0.00	22.33 -0.20 0.00	29.91 0.03 0.00	35.55 0.04 0.00	37.66 0.11 0.00	34.64 0.00 0.00	29.82 0.12 0.00	28.42 -0.17 0.00	26.43 -0.38 0.00	25.04 -0.46 0.00	25.37 -0.60 0.00	25.28 -0.68 0.00	27.39 -0.67 0.00	32.57 -0.43 0.00	43.25 0.00 0.00	51.45 0.21 0.00	55.69 0.17 0.00	55.58 0.00 0.00	47.84 0.19 0.00	39.10 0.08 0.00	31.91 -0.22 0.00
SITHE___OGDNSBRG 24021	27.53 -0.22 0.00	21.00 -0.32 0.00	19.74 -0.22 0.00	19.84 -0.22 0.00	22.33 -0.20 0.00	30.06 0.18 0.00	35.76 0.25 0.00	37.77 0.23 0.00	34.57 -0.07 0.00	29.64 -0.06 0.00	28.16 -0.43 0.00	26.14 -0.67 0.00	24.73 -0.76 0.00	25.03 -0.93 0.00	24.95 -1.01 0.00	27.05 -1.01 0.00	32.34 -0.66 0.00	43.25 0.00 0.00	51.71 0.46 0.00	56.19 0.67 0.00	56.19 0.61 0.00	48.31 0.67 0.00	39.33 0.31 0.00	32.01 -0.13 0.00
SITHE___STERLING 23777	28.19 0.44 0.00	21.70 0.38 0.00	20.27 0.30 -0.01	20.30 0.24 0.00	22.78 0.25 0.00	30.33 0.45 0.00	36.18 0.67 0.00	38.15 0.60 0.00	35.02 0.38 0.00	29.82 0.12 0.00	28.67 0.09 0.00	27.02 0.21 0.00	25.70 0.20 0.00	26.22 0.26 0.00	26.30 0.34 0.00	28.40 0.34 0.00	33.46 0.46 0.00	44.03 0.78 0.00	52.37 1.13 0.00	56.91 1.39 0.00	57.08 1.50 0.00	48.79 1.14 0.00	39.80 0.78 0.00	32.81 0.68 0.00
SLEIGHT__34_KV_TB1 80719	26.86 -0.89 0.00	20.61 -0.70 0.00	19.28 -0.70 -0.02	19.32 -0.74 0.00	21.68 -0.86 0.00	28.80 -1.08 0.00	34.30 -1.21 0.00	36.20 -1.35 0.00	33.39 -1.25 0.00	28.45 -1.25 0.00	27.44 -1.14 0.00	26.00 -0.80 0.00	24.76 -0.74 0.00	25.37 -0.60 0.00	25.41 -0.55 0.00	27.33 -0.73 0.00	31.91 -1.09 0.00	41.74 -1.51 0.00	49.55 -1.69 0.00	53.80 -1.72 0.00	53.97 -1.61 0.00	46.07 -1.57 0.00	37.77 -1.25 0.00	31.27 -0.87 0.00
SMITHTWN_69_KV_BK 1 55830	33.84 2.77 -3.31	23.63 2.30 -0.01	22.26 2.12 -0.18	22.15 2.09 -0.01	34.10 2.19 -9.38	45.85 2.78 -13.19	48.59 3.20 -9.88	57.34 3.60 -16.19	48.21 3.60 -9.97	46.39 3.18 -13.52	48.86 2.97 -17.30	48.77 3.03 -18.93	48.78 3.03 -20.25	48.84 3.14 -19.73	49.33 3.14 -20.23	50.50 3.31 -19.13	52.70 3.53 -16.17	83.95 4.07 -36.63	188.49 4.36 -132.89	176.86 4.83 -116.50	180.86 4.72 -120.55	86.76 3.91 -35.21	54.18 3.51 -11.64	50.39 3.18 -15.07
SOUTH CAIRO___GT 23612	28.75 1.00 0.00	22.23 0.92 0.00	21.04 0.88 -0.21	20.92 0.86 0.00	23.32 0.79 0.00	30.78 0.90 0.00	36.44 1.14 0.21	38.55 1.35 0.35	35.43 0.80 0.00	30.05 0.36 0.00	28.96 0.37 0.00	27.18 0.38 0.00	26.15 0.59 -0.07	26.69 0.68 -0.05	26.82 0.73 -0.13	28.94 0.87 -0.01	33.89 0.89 0.00	44.29 1.04 0.00	51.10 1.84 1.99	52.26 2.28 5.54	50.40 2.45 7.62	45.36 1.76 4.05	37.51 1.56 3.07	33.39 1.25 0.00
SOUTH HAMPTN___IC 23720	34.19 3.13 -3.30	23.92 2.60 -0.01	22.56 2.41 -0.18	22.47 2.41 -0.01	34.43 2.55 -9.35	46.32 3.29 -13.15	49.22 3.87 -9.84	54.96 4.28 -13.13	48.73 4.15 -9.94	46.79 3.56 -13.53	49.10 3.26 -17.25	48.87 3.19 -18.87	48.82 3.14 -20.19	48.83 3.19 -19.67	49.30 3.17 -20.17	50.50 3.37 -19.07	52.85 3.73 -16.13	76.54 4.41 -28.87	139.56 4.82 -83.50	133.76 5.33 -72.90	135.89 5.28 -75.03	77.37 4.19 -25.53	53.64 3.71 -10.91	50.53 3.37 -15.03
SOUTHDOW_115KV_TB1 355954	27.08 -0.67 0.00	20.74 -0.58 0.00	19.09 -0.90 -0.03	19.24 -0.82 0.00	21.47 -1.06 0.00	28.45 -1.43 0.00	34.09 -1.42 0.00	35.86 -1.69 0.00	33.53 -1.11 0.00	28.54 -1.16 0.00	27.73 -0.86 0.00	26.57 -0.24 0.00	25.37 -0.13 0.00	26.12 0.16 0.00	26.37 0.42 0.00	28.20 0.14 0.00	32.47 -0.53 0.00	42.51 -0.74 0.00	50.01 -1.23 0.00	54.47 -1.05 0.00	54.41 -1.17 0.00	46.36 -1.29 0.00	38.04 -0.98 0.00	31.59 -0.55 0.00
SOUTHOLD_69_KV_BK 2 55809	34.44 3.39 -3.30	24.14 2.81 -0.01	22.80 2.65 -0.18	22.72 2.65 -0.01	34.75 2.86 -9.35	46.73 3.71 -13.15	49.76 4.40 -9.84	55.60 4.92 -13.13	49.29 4.71 -9.94	47.18 3.95 -13.53	49.33 3.49 -17.25	49.00 3.32 -18.87	48.85 3.16 -20.19	48.83 3.19 -19.67	49.22 3.09 -20.17	50.45 3.31 -19.07	52.85 3.73 -16.13	76.58 4.45 -28.88	139.55 4.77 -83.54	133.69 5.22 -72.94	135.76 5.11 -75.07	77.38 4.19 -25.54	53.60 3.67 -10.91	50.54 3.37 -15.03
SOUTHOLD___IC 23719	34.44 3.38 -3.30	24.14 2.81 -0.01	22.80 2.65 -0.18	22.72 2.65 -0.01	34.75 2.86 -9.35	46.73 3.70 -13.15	49.76 4.40 -9.84	55.60 4.92 -13.13	49.29 4.71 -9.94	47.18 3.95 -13.53	49.33 3.49 -17.25	49.00 3.32 -18.87	48.87 3.19 -20.19	48.80 3.17 -19.67	49.22 3.09 -20.17	50.45 3.31 -19.07	52.88 3.76 -16.13	76.63 4.50 -28.88	139.60 4.82 -83.54	133.74 5.28 -72.94	135.87 5.22 -75.07	77.38 4.19 -25.54	53.59 3.67 -10.91	50.53 3.37 -15.03
SOUTH_FORK_WT_PWR 323839	34.35 3.30 -3.30	24.07 2.75 -0.01	22.78 2.63 -0.18	22.74 2.67 -0.01	34.77 2.88 -9.35	46.76 3.73 -13.15	49.79 4.44 -9.84	55.64 4.96 -13.13	49.32 4.75 -9.94	47.18 3.95 -13.53	49.30 3.46 -17.25	48.90 3.22 -18.87	48.69 3.01 -20.19	48.57 2.93 -19.67	48.94 2.80 -20.17	50.14 3.00 -19.07	52.52 3.40 -16.13	76.15 4.02 -28.88	138.96 4.20 -83.52	133.05 4.61 -72.92	135.19 4.56 -75.05	76.76 3.58 -25.54	53.13 3.20 -10.91	50.25 3.09 -15.03
SPIERFLS_115KV_TB 1 80737	28.86 1.11 0.00	22.27 0.96 0.00	21.10 0.92 -0.22	20.94 0.88 0.00	23.41 0.88 0.00	31.05 1.17 0.00	37.17 1.38 -0.28	39.54 1.58 -0.42	35.75 1.11 0.00	30.29 0.59 0.00	29.22 0.63 0.00	27.29 0.48 0.00	26.02 0.56 0.03	26.64 0.70 0.03	26.60 0.70 0.06	29.04 0.98 0.00	34.25 1.25 0.00	43.55 0.30 0.00	54.18 0.61 -2.32	63.16 1.17 -6.47	65.81 1.33 -8.89	53.04 0.67 -4.73	43.23 0.62 -3.58	32.75 0.61 0.00
ST LAWRENCE____ 23600	27.42 -0.33 0.00	20.93 -0.38 0.00	19.66 -0.30 0.00	19.80 -0.26 0.00	22.31 -0.23 0.00	29.70 -0.18 0.00	35.26 -0.25 0.00	37.36 -0.19 0.00	34.43 -0.21 0.00	29.58 -0.12 0.00	28.39 -0.20 0.00	26.43 -0.38 0.00	25.01 -0.49 0.00	25.37 -0.60 0.00	25.28 -0.68 0.00	27.39 -0.67 0.00	32.47 -0.53 0.00	43.03 -0.22 0.00	51.09 -0.15 0.00	55.30 -0.22 0.00	55.25 -0.33 0.00	47.55 -0.10 0.00	38.86 -0.16 0.00	31.78 -0.35 0.00



STATE_CA_115KV_115_LB 55624	28.44 0.69 0.00	22.04 0.72 0.00	20.84 0.66 -0.22	20.70 0.64 0.00	23.12 0.59 0.00	30.54 0.66 0.00	35.90 0.67 0.29	37.80 0.75 0.50	35.30 0.66 0.00	30.20 0.50 0.00	29.16 0.57 0.00	27.34 0.54 0.00	26.08 0.61 0.03	26.64 0.70 0.02	26.61 0.70 0.05	28.90 0.84 0.00	33.82 0.82 0.00	43.77 0.52 0.00	49.10 0.67 2.81	48.52 0.83 7.84	45.69 0.89 10.78	42.49 0.57 5.73	35.38 0.70 4.34	32.91 0.77 0.00
STATE_ST_34_KV_LOAD 55959	27.55 -0.19 0.00	21.14 -0.17 0.00	19.78 -0.20 -0.02	19.84 -0.22 0.00	22.24 -0.29 0.00	29.55 -0.33 0.00	35.26 -0.25 0.00	37.14 -0.41 0.00	34.12 -0.52 0.00	29.19 -0.50 0.00	28.10 -0.49 0.00	26.51 -0.29 0.00	25.22 -0.28 0.00	25.78 -0.18 0.00	25.83 -0.13 0.00	27.92 -0.14 0.00	32.70 -0.30 0.00	42.90 -0.35 0.00	50.89 -0.36 0.00	55.19 -0.33 0.00	55.30 -0.28 0.00	47.26 -0.38 0.00	38.67 -0.35 0.00	31.94 -0.19 0.00
STATION_5_MISC_HYD 23604	26.75 -1.00 0.00	20.53 -0.79 0.00	19.18 -0.80 -0.02	19.22 -0.84 0.00	21.56 -0.97 0.00	28.57 -1.31 0.00	33.98 -1.53 0.00	35.86 -1.69 0.00	33.22 -1.42 0.00	28.21 -1.48 0.00	27.24 -1.34 0.00	25.90 -0.91 0.00	24.63 -0.87 0.00	25.29 -0.68 0.00	25.39 -0.57 0.00	27.19 -0.87 0.00	31.64 -1.35 0.00	41.35 -1.90 0.00	48.89 -2.36 0.00	53.30 -2.22 0.00	53.58 -2.00 0.00	45.79 -1.86 0.00	37.54 -1.48 0.00	31.14 -1.00 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	27.00 -0.75 0.00	20.72 -0.60 0.00	19.36 -0.62 -0.02	19.40 -0.66 0.00	21.77 -0.77 0.00	28.89 -0.99 0.00	34.44 -1.07 0.00	36.35 -1.20 0.00	33.53 -1.11 0.00	28.57 -1.13 0.00	27.56 -1.03 0.00	26.11 -0.70 0.00	24.83 -0.66 0.00	25.47 -0.49 0.00	25.54 -0.42 0.00	27.44 -0.62 0.00	32.04 -0.96 0.00	41.87 -1.38 0.00	49.66 -1.59 0.00	53.97 -1.55 0.00	54.14 -1.45 0.00	46.26 -1.38 0.00	37.93 -1.09 0.00	31.40 -0.74 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	26.64 -1.11 0.00	20.44 -0.87 0.00	19.10 -0.88 -0.02	19.16 -0.90 0.00	21.47 -1.06 0.00	28.48 -1.40 0.00	33.88 -1.63 0.00	35.78 -1.76 0.00	33.08 -1.56 0.00	28.15 -1.54 0.00	27.19 -1.40 0.00	25.79 -1.02 0.00	24.55 -0.94 0.00	25.21 -0.75 0.00	25.28 -0.67 0.00	27.11 -0.95 0.00	31.58 -1.42 0.00	41.13 -2.12 0.00	48.78 -2.46 0.00	53.08 -2.44 0.00	53.30 -2.28 0.00	45.55 -2.10 0.00	37.38 -1.64 0.00	31.01 -1.12 0.00
STA_56___34_KV_BUS2 355983	26.64 -1.11 0.00	20.44 -0.87 0.00	19.10 -0.88 -0.02	19.16 -0.90 0.00	21.47 -1.06 0.00	28.48 -1.40 0.00	33.88 -1.63 0.00	35.78 -1.76 0.00	33.08 -1.56 0.00	28.15 -1.54 0.00	27.19 -1.40 0.00	25.79 -1.02 0.00	24.55 -0.94 0.00	25.21 -0.75 0.00	25.28 -0.67 0.00	27.11 -0.95 0.00	31.58 -1.42 0.00	41.13 -2.12 0.00	48.78 -2.46 0.00	53.08 -2.44 0.00	53.30 -2.28 0.00	45.55 -2.10 0.00	37.38 -1.64 0.00	31.01 -1.12 0.00
STA_67___115KV_BK2 355882	26.69 -1.05 0.00	20.51 -0.81 0.00	19.14 -0.84 -0.02	19.20 -0.86 0.00	21.52 -1.01 0.00	28.51 -1.37 0.00	33.91 -1.60 0.00	35.78 -1.76 0.00	33.11 -1.52 0.00	28.18 -1.51 0.00	27.19 -1.40 0.00	25.84 -0.97 0.00	24.58 -0.92 0.00	25.24 -0.73 0.00	25.34 -0.62 0.00	27.14 -0.93 0.00	31.58 -1.42 0.00	41.13 -2.12 0.00	48.78 -2.46 0.00	53.08 -2.44 0.00	53.30 -2.28 0.00	45.60 -2.05 0.00	37.42 -1.60 0.00	31.07 -1.06 0.00
STA_7___115KV_9TRANS 80674	26.83 -0.92 0.00	20.59 -0.72 0.00	19.24 -0.74 -0.02	19.28 -0.78 0.00	21.63 -0.90 0.00	28.68 -1.20 0.00	34.09 -1.42 0.00	36.05 -1.50 0.00	33.32 -1.32 0.00	28.33 -1.37 0.00	27.36 -1.23 0.00	26.00 -0.80 0.00	24.76 -0.74 0.00	25.42 -0.55 0.00	25.52 -0.44 0.00	27.33 -0.73 0.00	31.81 -1.19 0.00	41.48 -1.77 0.00	49.19 -2.05 0.00	53.53 -2.00 0.00	53.80 -1.78 0.00	45.93 -1.72 0.00	37.69 -1.33 0.00	31.30 -0.84 0.00
STA_82___115KV_TB1 80780	26.69 -1.05 0.00	20.51 -0.81 0.00	19.16 -0.82 -0.02	19.20 -0.86 0.00	21.52 -1.01 0.00	28.51 -1.37 0.00	33.91 -1.60 0.00	35.82 -1.73 0.00	33.11 -1.52 0.00	28.18 -1.51 0.00	27.19 -1.40 0.00	25.84 -0.97 0.00	24.58 -0.92 0.00	25.24 -0.73 0.00	25.34 -0.62 0.00	27.14 -0.93 0.00	31.58 -1.42 0.00	41.13 -2.12 0.00	48.78 -2.46 0.00	53.08 -2.44 0.00	53.30 -2.28 0.00	45.60 -2.05 0.00	37.42 -1.60 0.00	31.11 -1.03 0.00
STEEL___WIND 323596	26.47 -1.28 0.00	20.31 -1.00 0.00	18.79 -1.20 -0.03	18.88 -1.18 0.00	21.07 -1.46 0.00	27.91 -1.97 0.00	33.34 -2.17 0.00	34.99 -2.55 0.00	32.63 -2.01 0.00	27.71 -1.99 0.00	26.79 -1.80 0.00	25.63 -1.18 0.00	24.43 -1.07 0.00	25.11 -0.86 0.00	25.34 -0.62 0.00	27.02 -1.04 0.00	31.15 -1.85 0.00	40.70 -2.55 0.00	47.71 -3.54 0.00	52.25 -3.28 0.00	52.36 -3.23 0.00	44.83 -2.81 0.00	36.76 -2.26 0.00	30.72 -1.41 0.00
STEPHTWN_115KV_BK_2 55603	28.58 0.83 0.00	22.13 0.81 0.00	20.93 0.76 -0.22	20.78 0.72 0.00	23.21 0.68 0.00	30.69 0.81 0.00	36.02 0.85 0.35	37.93 0.98 0.59	35.47 0.83 0.00	30.32 0.62 0.00	29.24 0.66 0.00	27.42 0.62 0.00	26.18 0.71 0.02	26.75 0.80 0.02	26.72 0.80 0.05	29.01 0.95 0.00	33.99 0.99 0.00	44.03 0.78 0.00	48.86 0.97 3.35	47.39 1.22 9.36	43.98 1.28 12.87	41.71 0.91 6.84	34.81 0.98 5.19	33.07 0.93 0.00
STEUBEN_REC_LFGE 323667	27.25 -0.50 0.00	20.78 -0.53 0.00	19.22 -0.78 -0.04	19.26 -0.80 0.00	21.54 -0.99 0.00	28.74 -1.14 0.00	34.52 -0.99 0.00	36.24 -1.31 0.00	33.39 -1.25 0.00	28.51 -1.19 0.00	27.50 -1.09 0.00	26.19 -0.62 0.00	24.96 -0.54 0.00	25.60 -0.36 0.00	25.75 -0.21 0.00	27.67 -0.39 0.00	32.17 -0.82 0.00	42.17 -1.08 0.00	49.96 -1.28 0.00	54.47 -1.05 0.00	54.52 -1.06 0.00	46.50 -1.14 0.00	37.97 -1.05 0.00	31.56 -0.58 0.00
STILLWATER___SOLAR 323814	28.97 1.22 0.00	22.36 1.04 0.00	21.16 0.98 -0.22	21.02 0.96 0.00	23.50 0.97 0.00	31.13 1.25 0.00	37.36 1.46 -0.39	39.78 1.54 -0.69	35.85 1.21 0.00	30.53 0.83 0.00	29.44 0.86 0.00	27.53 0.72 0.00	26.26 0.79 0.03	26.85 0.91 0.02	26.81 0.91 0.06	29.15 1.09 0.00	34.28 1.29 0.00	44.29 1.04 0.00	56.56 1.49 -3.83	68.15 1.94 -10.68	72.44 2.17 -14.69	56.98 1.52 -7.81	46.31 1.36 -5.92	33.39 1.25 0.00
STONY___BROOK 24151	33.86 2.80 -3.31	23.65 2.32 -0.01	22.28 2.14 -0.18	22.17 2.11 -0.01	34.13 2.23 -9.37	45.86 2.81 -13.18	48.64 3.26 -9.87	55.76 3.64 -14.57	48.23 3.64 -9.96	46.43 3.21 -13.52	48.85 2.97 -17.29	48.75 3.03 -18.91	48.79 3.06 -20.23	48.82 3.14 -19.71	49.31 3.14 -20.21	50.51 3.34 -19.11	52.75 3.60 -16.16	79.84 4.06 -32.53	162.34 4.41 -106.68	153.84 4.94 -93.37	156.81 4.83 -96.40	81.58 3.86 -30.08	53.83 3.55 -11.26	50.41 3.21 -15.06
STURGEON_POOL_HYD 23609	29.19 1.44 0.00	22.53 1.21 0.00	21.28 1.14 -0.18	21.16 1.10 0.00	23.61 1.08 0.00	31.19 1.31 0.00	37.13 1.67 0.05	39.94 2.48 0.09	36.99 2.36 0.00	31.78 2.08 0.00	30.67 2.09 0.00	29.03 2.23 0.00	28.18 2.35 -0.34	28.67 2.44 -0.27	29.14 2.52 -0.66	30.77 2.67 -0.04	35.70 2.71 0.00	46.45 3.20 0.00	54.28 3.48 0.45	58.05 3.78 1.26	57.63 3.78 1.73	49.78 3.05 0.92	40.78 2.46 0.70	34.16 2.02 0.00



ST_LAW_115_BK7_LBMP 345037	27.36 -0.39 0.00	20.89 -0.43 0.00	19.64 -0.32 0.00	19.78 -0.28 0.00	22.29 -0.25 0.00	29.67 -0.21 0.00	35.22 -0.29 0.00	37.33 -0.22 0.00	34.40 -0.24 0.00	29.58 -0.12 0.00	28.33 -0.26 0.00	26.35 -0.46 0.00	24.93 -0.56 0.00	25.29 -0.68 0.00	25.21 -0.75 0.00	27.28 -0.79 0.00	32.40 -0.59 0.00	42.99 -0.26 0.00	51.04 -0.20 0.00	55.25 -0.28 0.00	55.19 -0.39 0.00	47.50 -0.14 0.00	38.83 -0.19 0.00	31.72 -0.42 0.00
ST_LAW_115_BK8_LBMP 345038	27.36 -0.39 0.00	20.89 -0.43 0.00	19.64 -0.32 0.00	19.78 -0.28 0.00	22.29 -0.25 0.00	29.67 -0.21 0.00	35.22 -0.29 0.00	37.33 -0.22 0.00	34.40 -0.24 0.00	29.58 -0.12 0.00	28.33 -0.26 0.00	26.35 -0.46 0.00	24.93 -0.56 0.00	25.29 -0.68 0.00	25.21 -0.75 0.00	27.28 -0.79 0.00	32.40 -0.59 0.00	42.99 -0.26 0.00	51.04 -0.20 0.00	55.25 -0.28 0.00	55.19 -0.39 0.00	47.50 -0.14 0.00	38.83 -0.19 0.00	31.72 -0.42 0.00
ST_LAW_230_BK5_LBMP 345035	27.42 -0.33 0.00	20.93 -0.38 0.00	19.66 -0.30 0.00	19.80 -0.26 0.00	22.31 -0.23 0.00	29.70 -0.18 0.00	35.26 -0.25 0.00	37.36 -0.19 0.00	34.43 -0.21 0.00	29.58 -0.12 0.00	28.39 -0.20 0.00	26.43 -0.38 0.00	25.01 -0.49 0.00	25.37 -0.60 0.00	25.28 -0.68 0.00	27.39 -0.67 0.00	32.47 -0.53 0.00	43.03 -0.22 0.00	51.09 -0.15 0.00	55.30 -0.22 0.00	55.25 -0.33 0.00	47.55 -0.10 0.00	38.86 -0.16 0.00	31.78 -0.35 0.00
ST_LAW_230_BK6_LBMP 345036	27.42 -0.33 0.00	20.93 -0.38 0.00	19.66 -0.30 0.00	19.80 -0.26 0.00	22.31 -0.23 0.00	29.70 -0.18 0.00	35.26 -0.25 0.00	37.36 -0.19 0.00	34.43 -0.21 0.00	29.58 -0.12 0.00	28.39 -0.20 0.00	26.43 -0.38 0.00	25.01 -0.49 0.00	25.37 -0.60 0.00	25.28 -0.68 0.00	27.39 -0.67 0.00	32.47 -0.53 0.00	43.03 -0.22 0.00	51.09 -0.15 0.00	55.30 -0.22 0.00	55.25 -0.33 0.00	47.55 -0.10 0.00	38.86 -0.16 0.00	31.78 -0.35 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	29.14 1.39 0.00	22.51 1.19 0.00	21.22 1.10 -0.16	21.12 1.06 0.00	23.57 1.04 0.00	31.16 1.28 0.00	37.11 1.60 0.00	39.58 2.03 0.00	36.61 1.97 0.00	31.48 1.78 0.00	30.36 1.77 0.00	28.68 1.88 0.00	27.83 1.94 -0.40	28.33 2.05 -0.31	28.80 2.08 -0.76	30.35 2.24 -0.05	35.34 2.34 0.00	45.89 2.64 0.00	54.01 2.77 0.00	58.58 3.05 0.00	58.64 3.06 0.00	50.07 2.43 0.00	41.05 2.03 0.00	33.84 1.70 0.00
SWANROAD_115KV_TB1 355699	25.67 -2.08 0.00	19.72 -1.60 0.00	18.29 -1.70 -0.03	18.33 -1.73 0.00	20.48 -2.05 0.00	27.10 -2.78 0.00	32.28 -3.23 0.00	33.91 -3.64 0.00	31.55 -3.08 0.00	26.79 -2.91 0.00	25.87 -2.72 0.00	24.77 -2.04 0.00	23.61 -1.89 0.00	24.25 -1.71 0.00	24.45 -1.51 0.00	26.04 -2.02 0.00	29.99 -3.00 0.00	38.88 -4.37 0.00	45.76 -5.48 0.00	50.03 -5.50 0.00	50.19 -5.39 0.00	43.12 -4.53 0.00	35.55 -3.47 0.00	29.76 -2.38 0.00
SYNERGY___BIOGAS 323694	26.69 -1.05 0.00	20.51 -0.81 0.00	19.08 -0.90 -0.02	19.14 -0.92 0.00	21.45 -1.08 0.00	28.51 -1.37 0.00	33.98 -1.53 0.00	35.90 -1.65 0.00	33.22 -1.42 0.00	28.06 -1.63 0.00	27.10 -1.49 0.00	25.84 -0.97 0.00	24.58 -0.92 0.00	25.31 -0.65 0.00	25.47 -0.49 0.00	27.19 -0.87 0.00	31.51 -1.48 0.00	41.17 -2.08 0.00	48.73 -2.51 0.00	53.25 -2.28 0.00	53.52 -2.06 0.00	45.69 -1.95 0.00	37.58 -1.44 0.00	31.23 -0.90 0.00
SYRACUSE___ENERGY_ST1 323597	27.53 -0.22 0.00	21.14 -0.17 0.00	19.77 -0.20 -0.02	19.84 -0.22 0.00	22.24 -0.29 0.00	29.52 -0.36 0.00	35.19 -0.32 0.00	37.02 -0.53 0.00	34.08 -0.55 0.00	29.22 -0.48 0.00	28.13 -0.46 0.00	26.51 -0.29 0.00	25.24 -0.25 0.00	25.78 -0.18 0.00	25.80 -0.16 0.00	27.89 -0.17 0.00	32.67 -0.33 0.00	42.82 -0.43 0.00	50.78 -0.46 0.00	54.97 -0.56 0.00	55.08 -0.50 0.00	47.07 -0.57 0.00	38.59 -0.43 0.00	31.88 -0.26 0.00
SYRACUSE___ENERGY_ST2 323598	27.53 -0.22 0.00	21.14 -0.17 0.00	19.77 -0.20 -0.02	19.84 -0.22 0.00	22.24 -0.29 0.00	29.52 -0.36 0.00	35.19 -0.32 0.00	37.02 -0.53 0.00	34.08 -0.55 0.00	29.22 -0.48 0.00	28.13 -0.46 0.00	26.51 -0.29 0.00	25.24 -0.25 0.00	25.78 -0.18 0.00	25.80 -0.16 0.00	27.89 -0.17 0.00	32.67 -0.33 0.00	42.82 -0.43 0.00	50.78 -0.46 0.00	54.97 -0.56 0.00	55.08 -0.50 0.00	47.07 -0.57 0.00	38.59 -0.43 0.00	31.88 -0.26 0.00
SYRACUSE___POWER 24017	27.55 -0.19 0.00	21.17 -0.15 0.00	19.80 -0.18 -0.02	19.86 -0.20 0.00	22.26 -0.27 0.00	29.55 -0.33 0.00	35.23 -0.28 0.00	37.10 -0.45 0.00	34.19 -0.45 0.00	29.25 -0.45 0.00	28.19 -0.40 0.00	26.57 -0.24 0.00	25.29 -0.20 0.00	25.83 -0.13 0.00	25.88 -0.08 0.00	27.95 -0.11 0.00	32.73 -0.26 0.00	42.90 -0.35 0.00	50.83 -0.41 0.00	55.08 -0.44 0.00	55.19 -0.39 0.00	47.22 -0.43 0.00	38.67 -0.35 0.00	31.94 -0.19 0.00
TALLMAN_138KV_BK151 55660	29.30 1.55 0.00	22.64 1.32 0.00	21.35 1.22 -0.17	21.24 1.18 0.00	23.70 1.17 0.00	31.31 1.43 0.00	37.29 1.78 0.00	39.80 2.25 0.00	36.85 2.22 0.00	31.72 2.02 0.00	30.62 2.03 0.00	28.93 2.12 0.00	28.11 2.19 -0.42	28.60 2.31 -0.33	29.10 2.34 -0.80	30.64 2.53 -0.05	35.60 2.61 0.00	46.19 2.94 0.00	54.32 3.07 0.00	58.91 3.39 0.00	58.92 3.33 0.00	50.31 2.67 0.00	41.24 2.22 0.00	34.03 1.90 0.00
TEALLAVE_115KV_TB7 355573	27.47 -0.28 0.00	21.10 -0.21 0.00	19.73 -0.24 -0.02	19.80 -0.26 0.00	22.20 -0.34 0.00	29.46 -0.42 0.00	35.08 -0.43 0.00	36.95 -0.60 0.00	34.05 -0.59 0.00	29.16 -0.53 0.00	28.10 -0.49 0.00	26.49 -0.32 0.00	25.22 -0.28 0.00	25.78 -0.18 0.00	25.80 -0.16 0.00	27.86 -0.20 0.00	32.63 -0.36 0.00	42.69 -0.56 0.00	50.63 -0.61 0.00	54.86 -0.67 0.00	54.91 -0.67 0.00	46.98 -0.67 0.00	38.47 -0.55 0.00	31.81 -0.32 0.00
TELGRAPH_34_KV_EAST 80808	26.25 -1.50 0.00	20.14 -1.17 0.00	18.73 -1.26 -0.03	18.78 -1.28 0.00	21.00 -1.53 0.00	27.88 -2.00 0.00	33.24 -2.27 0.00	35.00 -2.55 0.00	32.49 -2.15 0.00	27.53 -2.17 0.00	26.59 -2.00 0.00	25.41 -1.39 0.00	24.22 -1.27 0.00	24.90 -1.06 0.00	25.08 -0.88 0.00	26.74 -1.32 0.00	30.92 -2.08 0.00	40.22 -3.03 0.00	47.35 -3.89 0.00	51.69 -3.83 0.00	51.91 -3.67 0.00	44.45 -3.19 0.00	36.60 -2.42 0.00	30.53 -1.61 0.00
TEMPLE___115KV_TB 2 55572	27.47 -0.28 0.00	21.12 -0.19 0.00	19.75 -0.22 -0.02	19.80 -0.26 0.00	22.22 -0.32 0.00	29.46 -0.42 0.00	35.12 -0.39 0.00	36.99 -0.56 0.00	34.08 -0.55 0.00	29.19 -0.50 0.00	28.13 -0.46 0.00	26.51 -0.29 0.00	25.27 -0.23 0.00	25.81 -0.16 0.00	25.83 -0.13 0.00	27.89 -0.17 0.00	32.67 -0.33 0.00	42.73 -0.52 0.00	50.68 -0.56 0.00	54.86 -0.67 0.00	54.97 -0.61 0.00	47.03 -0.62 0.00	38.51 -0.51 0.00	31.85 -0.29 0.00
TIANA____69_KV_BK 1 55817	34.13 3.08 -3.30	23.88 2.56 -0.01	22.52 2.38 -0.18	22.42 2.35 -0.01	34.36 2.48 -9.35	46.23 3.20 -13.15	49.08 3.73 -9.84	54.85 4.17 -13.13	48.66 4.09 -9.94	46.73 3.50 -13.53	49.04 3.20 -17.25	48.84 3.16 -18.87	48.80 3.11 -20.19	48.86 3.22 -19.67	49.30 3.17 -20.17	50.53 3.40 -19.07	52.85 3.73 -16.13	76.54 4.41 -28.88	139.54 4.77 -83.53	133.73 5.27 -72.93	135.81 5.17 -75.06	77.47 4.29 -25.54	53.71 3.78 -10.91	50.54 3.37 -15.03



TILDEN___115KV_TB1 80814	27.55 -0.19 0.00	21.17 -0.15 0.00	19.80 -0.18 -0.02	19.86 -0.20 0.00	22.26 -0.27 0.00	29.55 -0.33 0.00	35.23 -0.28 0.00	37.10 -0.45 0.00	34.19 -0.45 0.00	29.25 -0.45 0.00	28.19 -0.40 0.00	26.57 -0.24 0.00	25.29 -0.20 0.00	25.83 -0.13 0.00	25.88 -0.08 0.00	27.95 -0.11 0.00	32.73 -0.26 0.00	42.90 -0.35 0.00	50.83 -0.41 0.00	55.08 -0.44 0.00	55.19 -0.39 0.00	47.22 -0.43 0.00	38.67 -0.35 0.00	31.94 -0.19 0.00
TRIGEN___CC 323695	34.19 2.05 -4.39	23.07 1.75 -0.01	21.74 1.60 -0.19	21.66 1.58 -0.01	36.59 1.64 -12.41	49.90 2.06 -17.96	51.46 2.52 -13.43	51.88 2.97 -11.36	51.16 2.94 -13.58	45.66 2.67 -13.29	54.70 2.54 -23.57	55.24 2.65 -25.78	55.62 2.70 -27.42	55.51 2.80 -26.74	56.00 2.80 -27.24	57.04 2.95 -26.04	58.06 3.04 -22.03	69.34 3.42 -22.67	61.47 3.59 -6.64	64.23 3.94 -4.77	62.95 3.89 -3.48	64.75 3.19 -13.91	55.24 2.85 -13.37	55.20 2.54 -20.53
TRINITY___115KV___4 BK 55933	28.39 0.64 0.00	22.00 0.68 0.00	20.80 0.62 -0.22	20.66 0.60 0.00	23.07 0.54 0.00	30.48 0.60 0.00	35.78 0.60 0.34	37.65 0.68 0.58	35.23 0.59 0.00	30.17 0.48 0.00	29.10 0.51 0.00	27.29 0.48 0.00	26.06 0.59 0.03	26.62 0.68 0.02	26.58 0.67 0.05	28.84 0.79 0.00	33.72 0.73 0.00	43.60 0.35 0.00	48.43 0.46 3.27	47.01 0.61 9.13	43.64 0.61 12.55	41.40 0.43 6.67	34.55 0.59 5.06	32.81 0.67 0.00
UNION___PROCESSING_DRP 323587	26.69 -1.05 0.00	20.51 -0.81 0.00	19.16 -0.82 -0.02	19.20 -0.86 0.00	21.52 -1.01 0.00	28.51 -1.37 0.00	33.91 -1.60 0.00	35.82 -1.73 0.00	33.15 -1.49 0.00	28.18 -1.51 0.00	27.19 -1.40 0.00	25.84 -0.97 0.00	24.60 -0.89 0.00	25.24 -0.73 0.00	25.34 -0.62 0.00	27.14 -0.93 0.00	31.58 -1.42 0.00	41.13 -2.12 0.00	48.78 -2.46 0.00	53.08 -2.44 0.00	53.30 -2.28 0.00	45.60 -2.05 0.00	37.46 -1.56 0.00	31.11 -1.03 0.00
UPPER HUDSON___HYD 24058	28.86 1.11 0.00	22.28 0.96 0.00	21.10 0.92 -0.22	20.94 0.88 0.00	23.41 0.88 0.00	31.04 1.16 0.00	37.17 1.38 -0.28	39.54 1.58 -0.42	35.75 1.11 0.00	30.29 0.59 0.00	29.24 0.66 0.00	27.29 0.48 0.00	26.02 0.56 0.03	26.64 0.70 0.03	26.60 0.70 0.06	29.04 0.98 0.00	34.22 1.22 0.00	43.51 0.26 0.00	54.18 0.62 -2.32	63.16 1.17 -6.47	65.92 1.44 -8.89	53.04 0.67 -4.73	43.23 0.62 -3.58	32.74 0.61 0.00
UPPER RAQUET___HYD 24056	26.80 -0.94 0.00	20.42 -0.89 0.00	19.20 -0.76 0.00	19.30 -0.76 0.00	21.70 -0.83 0.00	29.19 -0.69 0.00	34.69 -0.82 0.00	36.72 -0.83 0.00	33.70 -0.93 0.00	28.96 -0.74 0.00	27.53 -1.06 0.00	25.55 -1.26 0.00	24.17 -1.33 0.00	24.48 -1.48 0.00	24.40 -1.56 0.00	26.46 -1.60 0.00	31.58 -1.42 0.00	42.17 -1.08 0.00	50.37 -0.87 0.00	54.63 -0.89 0.00	54.52 -1.06 0.00	46.88 -0.76 0.00	38.24 -0.78 0.00	31.11 -1.03 0.00
VALLEY44_115KV_TB2 355964	26.83 -0.92 0.00	20.59 -0.72 0.00	18.91 -1.08 -0.03	19.12 -0.94 0.00	21.36 -1.17 0.00	28.24 -1.64 0.00	33.77 -1.74 0.00	35.45 -2.10 0.00	32.97 -1.66 0.00	28.09 -1.60 0.00	27.13 -1.46 0.00	25.92 -0.88 0.00	24.71 -0.79 0.00	25.37 -0.60 0.00	25.60 -0.36 0.00	27.39 -0.67 0.00	31.64 -1.35 0.00	41.30 -1.95 0.00	48.68 -2.56 0.00	53.14 -2.39 0.00	53.25 -2.33 0.00	45.50 -2.14 0.00	37.26 -1.76 0.00	31.11 -1.03 0.00
VALLEY___115KV_TB 1-4 80826	27.89 0.14 0.00	21.44 0.13 0.00	20.04 0.08 0.00	20.12 0.06 0.00	22.58 0.05 0.00	29.94 0.06 0.00	35.65 0.14 0.00	37.66 0.11 0.00	34.71 0.07 0.00	29.73 0.03 0.00	28.61 0.03 0.00	26.89 0.08 0.00	25.57 0.08 0.00	26.07 0.10 0.00	26.09 0.13 0.00	28.17 0.11 0.00	33.13 0.13 0.00	43.38 0.13 0.00	51.45 0.20 0.00	55.75 0.22 0.00	55.80 0.22 0.00	47.79 0.14 0.00	39.14 0.12 0.00	32.26 0.13 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	29.02 1.28 0.00	22.40 1.09 0.00	20.99 0.96 -0.08	20.96 0.90 0.00	23.48 0.95 0.00	31.25 1.37 0.00	37.29 1.78 0.00	39.39 1.84 0.00	36.20 1.56 0.00	30.83 1.13 0.00	29.67 1.09 0.00	28.04 1.23 0.00	26.72 1.20 -0.02	27.25 1.27 -0.02	27.41 1.40 -0.04	29.49 1.43 0.00	34.61 1.62 0.00	45.37 2.12 0.00	53.76 2.51 0.00	58.30 2.78 0.00	58.47 2.89 0.00	50.07 2.43 0.00	40.81 1.79 0.00	33.68 1.54 0.00
VISCHER___FERRY HYD 24020	28.78 1.03 0.00	22.23 0.92 0.00	21.04 0.86 -0.22	20.88 0.82 0.00	23.37 0.83 0.00	30.93 1.05 0.00	37.51 1.24 -0.75	40.20 1.35 -1.30	35.78 1.14 0.00	30.59 0.89 0.00	29.47 0.89 0.00	27.59 0.78 0.00	26.31 0.84 0.02	26.88 0.93 0.02	26.84 0.93 0.05	29.15 1.09 0.00	34.15 1.15 0.00	44.20 0.95 0.00	59.81 1.28 -7.28	77.40 1.55 -20.33	85.20 1.67 -27.95	63.73 1.24 -14.85	51.49 1.21 -11.26	33.29 1.16 0.00
V_A_10_SYNC_DSASP 323832	26.19 -1.55 0.00	20.12 -1.19 0.00	18.74 -1.24 -0.02	18.78 -1.28 0.00	21.00 -1.53 0.00	27.73 -2.15 0.00	32.99 -2.52 0.00	34.73 -2.82 0.00	32.28 -2.36 0.00	27.44 -2.26 0.00	26.47 -2.12 0.00	25.25 -1.56 0.00	24.04 -1.45 0.00	24.69 -1.27 0.00	24.84 -1.12 0.00	26.52 -1.54 0.00	30.65 -2.34 0.00	39.88 -3.37 0.00	46.99 -4.25 0.00	51.36 -4.17 0.00	51.58 -4.00 0.00	44.26 -3.38 0.00	36.36 -2.65 0.00	30.37 -1.77 0.00
V_CMM_10_SYNC_DSASP 323787	27.50 -0.25 0.00	20.97 -0.34 0.00	19.72 -0.24 0.00	19.86 -0.20 0.00	22.35 -0.18 0.00	29.79 -0.09 0.00	35.37 -0.14 0.00	37.47 -0.07 0.00	34.53 -0.10 0.00	29.70 0.00 0.00	28.44 -0.14 0.00	26.46 -0.35 0.00	25.04 -0.46 0.00	25.39 -0.57 0.00	25.31 -0.65 0.00	27.39 -0.67 0.00	32.57 -0.43 0.00	43.16 -0.09 0.00	51.30 0.05 0.00	55.53 0.00 0.00	55.41 -0.17 0.00	47.69 0.05 0.00	39.02 0.00 0.00	31.84 -0.29 0.00
V_CMP_10_SYNC_DSASP 323788	27.89 0.14 0.00	21.27 -0.04 0.00	20.02 0.06 0.00	20.16 0.10 0.00	22.65 0.11 0.00	30.39 0.51 0.00	35.83 0.32 0.00	37.70 0.15 0.00	34.74 0.10 0.00	30.08 0.39 0.00	28.76 0.17 0.00	26.59 -0.22 0.00	25.04 -0.46 0.00	25.32 -0.65 0.00	25.23 -0.73 0.00	27.44 -0.62 0.00	32.80 -0.20 0.00	43.98 0.73 0.00	52.83 1.59 0.00	57.63 2.11 0.00	57.53 1.94 0.00	49.31 1.67 0.00	40.35 1.33 0.00	32.90 0.77 0.00
V_D_10_SYNC_DSASP 323841	27.52 -0.22 0.00	21.00 -0.32 0.00	19.74 -0.22 0.00	19.86 -0.20 0.00	22.35 -0.18 0.00	29.91 0.03 0.00	35.55 0.04 0.00	37.66 0.11 0.00	34.64 0.00 0.00	29.82 0.12 0.00	28.42 -0.17 0.00	26.43 -0.38 0.00	25.04 -0.46 0.00	25.37 -0.60 0.00	25.28 -0.68 0.00	27.39 -0.67 0.00	32.57 -0.43 0.00	43.25 0.00 0.00	51.45 0.21 0.00	55.69 0.17 0.00	55.58 0.00 0.00	47.84 0.19 0.00	39.14 0.12 0.00	31.91 -0.22 0.00
V_E_10_SYNC_DSASP 323830	29.47 1.72 0.00	22.66 1.34 0.00	21.15 1.14 -0.06	21.06 1.00 0.00	23.57 1.04 0.00	31.58 1.70 0.00	37.93 2.42 0.00	39.76 2.21 0.00	37.48 2.84 0.00	31.36 1.66 0.00	30.10 1.51 0.00	28.66 1.85 0.00	27.20 1.68 -0.02	27.82 1.84 -0.02	28.23 2.23 -0.04	30.25 2.19 0.00	35.87 2.87 0.00	47.92 4.67 0.00	57.39 6.15 0.00	62.24 6.72 0.00	62.70 7.12 0.00	53.36 5.71 0.00	42.80 3.78 0.00	35.25 3.12 0.00



V_F_30_NSYNC___DSASP 323816	29.00 1.25 0.00	22.38 1.07 0.00	21.18 1.00 -0.22	21.04 0.98 0.00	23.52 0.99 0.00	31.16 1.28 0.00	37.34 1.49 -0.34	39.75 1.61 -0.59	35.92 1.28 0.00	30.56 0.86 0.00	29.47 0.89 0.00	27.56 0.75 0.00	26.30 0.84 0.03	26.90 0.96 0.02	26.86 0.96 0.06	29.21 1.15 0.00	34.35 1.35 0.00	44.37 1.12 0.00	56.11 1.59 -3.27	66.72 2.06 -9.14	70.37 2.23 -12.56	55.89 1.57 -6.68	45.49 1.40 -5.06	33.42 1.29 0.00
V_F_30_SYNC_DSASP 323786	28.44 0.69 0.00	22.02 0.70 0.00	20.84 0.66 -0.22	20.70 0.64 0.00	23.12 0.59 0.00	30.54 0.66 0.00	35.86 0.64 0.29	37.80 0.75 0.50	35.30 0.66 0.00	30.20 0.50 0.00	29.16 0.57 0.00	27.34 0.54 0.00	26.08 0.61 0.03	26.64 0.70 0.02	26.61 0.70 0.05	28.90 0.84 0.00	33.82 0.82 0.00	43.77 0.52 0.00	49.07 0.67 2.84	48.42 0.83 7.94	45.55 0.89 10.92	42.41 0.57 5.80	35.32 0.70 4.40	32.87 0.74 0.00
V_XM_10_SYNC_DSASP 323789	27.89 0.14 0.00	21.27 -0.04 0.00	20.02 0.06 0.00	20.16 0.10 0.00	22.65 0.11 0.00	30.39 0.51 0.00	35.83 0.32 0.00	37.70 0.15 0.00	34.74 0.10 0.00	30.08 0.39 0.00	28.76 0.17 0.00	26.59 -0.22 0.00	25.04 -0.46 0.00	25.32 -0.65 0.00	25.23 -0.73 0.00	27.44 -0.62 0.00	32.80 -0.20 0.00	43.98 0.73 0.00	52.83 1.59 0.00	57.63 2.11 0.00	57.53 1.94 0.00	49.31 1.67 0.00	40.35 1.33 0.00	32.90 0.77 0.00
W.BABYLN_69_KV_BK1 56697	33.92 2.72 -3.45	23.56 2.24 -0.01	22.22 2.08 -0.19	22.11 2.05 -0.01	34.43 2.14 -9.76	46.39 2.72 -13.79	49.02 3.20 -10.32	50.46 3.60 -9.30	48.63 3.57 -10.43	46.19 3.15 -13.34	49.63 2.94 -18.10	49.61 3.00 -19.80	49.66 3.01 -21.16	49.73 3.14 -20.62	50.22 3.14 -21.12	51.38 3.31 -20.01	53.34 3.43 -16.92	66.08 3.94 -18.89	69.92 4.10 -14.57	72.16 4.61 -12.02	71.49 4.50 -11.40	64.04 3.86 -12.53	52.86 3.43 -10.40	51.05 3.15 -15.76
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	29.36 1.61 0.00	22.68 1.36 0.00	21.39 1.26 -0.17	21.28 1.22 0.00	23.75 1.22 0.00	31.40 1.52 0.00	37.39 1.88 0.00	39.92 2.37 0.00	36.96 2.32 0.00	31.78 2.08 0.00	30.67 2.09 0.00	29.01 2.20 0.00	28.19 2.27 -0.43	28.66 2.36 -0.34	29.19 2.41 -0.82	30.69 2.58 -0.05	35.70 2.71 0.00	46.32 3.07 0.00	54.47 3.23 0.00	59.08 3.55 0.00	59.14 3.56 0.00	50.50 2.86 0.00	41.36 2.34 0.00	34.13 1.99 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	29.61 1.86 0.00	22.89 1.58 0.00	21.57 1.44 -0.18	21.44 1.38 0.00	23.93 1.40 0.00	31.61 1.73 0.00	37.68 2.17 0.00	40.25 2.70 0.00	37.34 2.70 0.00	32.16 2.46 0.00	31.04 2.46 0.00	29.35 2.55 0.00	28.57 2.63 -0.45	29.04 2.73 -0.36	29.57 2.75 -0.86	31.06 2.95 -0.05	36.06 3.07 0.00	46.67 3.42 0.00	54.78 3.54 0.00	59.47 3.94 0.00	59.42 3.84 0.00	50.79 3.14 0.00	41.59 2.58 0.00	34.38 2.25 0.00
W50THST__13_KV_LOAD 356117	29.77 2.03 0.00	23.00 1.68 0.00	21.69 1.56 -0.18	21.56 1.50 0.00	24.04 1.51 0.00	31.79 1.91 0.00	37.92 2.41 0.00	40.52 2.97 0.00	37.62 2.98 0.00	32.34 2.64 0.00	31.22 2.63 0.00	29.52 2.71 0.00	28.72 2.78 -0.45	29.20 2.88 -0.36	29.73 2.91 -0.86	31.23 3.11 -0.05	36.26 3.27 0.00	46.93 3.68 0.00	55.19 3.95 0.00	59.86 4.33 0.00	59.75 4.17 0.00	51.12 3.48 0.00	41.75 2.73 0.00	34.58 2.44 0.00
WADING RIVER_IC_1 23522	33.94 2.89 -3.30	23.71 2.39 -0.01	22.34 2.20 -0.18	22.24 2.17 -0.01	34.18 2.30 -9.35	45.96 2.93 -13.15	48.76 3.41 -9.84	54.47 3.79 -13.13	48.32 3.74 -9.94	46.50 3.27 -13.53	48.84 3.00 -17.25	48.71 3.03 -18.87	48.72 3.03 -20.19	48.75 3.11 -19.67	49.22 3.09 -20.17	50.44 3.31 -19.07	52.68 3.56 -16.12	76.27 4.15 -28.86	139.26 4.56 -83.45	133.44 5.05 -72.86	135.57 5.00 -74.99	77.17 4.00 -25.52	53.51 3.59 -10.91	50.40 3.24 -15.02
WADING RIVER_IC_2 23547	33.94 2.89 -3.30	23.71 2.39 -0.01	22.34 2.20 -0.18	22.24 2.17 -0.01	34.18 2.30 -9.35	45.96 2.93 -13.15	48.76 3.41 -9.84	54.47 3.79 -13.13	48.32 3.74 -9.94	46.50 3.27 -13.53	48.84 3.00 -17.25	48.71 3.03 -18.87	48.72 3.03 -20.19	48.75 3.11 -19.67	49.22 3.09 -20.17	50.44 3.31 -19.07	52.68 3.56 -16.12	76.27 4.15 -28.86	139.26 4.56 -83.45	133.44 5.05 -72.86	135.57 5.00 -74.99	77.17 4.00 -25.52	53.51 3.59 -10.91	50.40 3.24 -15.02
WADING RIVER_IC_3 23601	33.94 2.89 -3.30	23.71 2.39 -0.01	22.34 2.20 -0.18	22.24 2.17 -0.01	34.18 2.30 -9.35	45.96 2.93 -13.15	48.76 3.41 -9.84	54.47 3.79 -13.13	48.32 3.74 -9.94	46.50 3.27 -13.53	48.84 3.00 -17.25	48.71 3.03 -18.87	48.72 3.03 -20.19	48.75 3.11 -19.67	49.22 3.09 -20.17	50.44 3.31 -19.07	52.68 3.56 -16.12	76.27 4.15 -28.86	139.26 4.56 -83.45	133.44 5.05 -72.86	135.57 5.00 -74.99	77.17 4.00 -25.52	53.51 3.59 -10.91	50.40 3.24 -15.02
WALDENNY_12_KV_BK2 80841	26.44 -1.30 0.00	20.31 -1.00 0.00	18.77 -1.22 -0.03	18.86 -1.20 0.00	21.05 -1.49 0.00	27.88 -2.00 0.00	33.27 -2.24 0.00	35.00 -2.55 0.00	32.56 -2.08 0.00	27.68 -2.02 0.00	26.76 -1.83 0.00	25.63 -1.18 0.00	24.42 -1.07 0.00	25.11 -0.86 0.00	25.34 -0.62 0.00	27.02 -1.04 0.00	31.15 -1.85 0.00	40.52 -2.72 0.00	47.71 -3.54 0.00	52.08 -3.44 0.00	52.19 -3.39 0.00	44.69 -2.95 0.00	36.80 -2.22 0.00	30.69 -1.45 0.00
WALDEN__HYDRO 24148	29.22 1.47 0.00	22.55 1.24 0.00	21.29 1.16 -0.17	21.18 1.12 0.00	23.64 1.10 0.00	31.22 1.34 0.00	37.18 1.67 0.00	39.73 2.18 0.00	36.75 2.11 0.00	31.54 1.84 0.00	30.44 1.86 0.00	28.76 1.96 0.00	27.92 2.01 -0.41	28.41 2.13 -0.32	28.92 2.18 -0.78	30.47 2.36 -0.05	35.44 2.44 0.00	46.10 2.85 0.00	54.27 3.02 0.00	58.86 3.33 0.00	58.92 3.33 0.00	50.31 2.67 0.00	41.20 2.19 0.00	34.00 1.86 0.00
WARRENSBURG____ 23737	28.86 1.11 0.00	22.27 0.96 0.00	21.10 0.92 -0.22	20.94 0.88 0.00	23.41 0.88 0.00	31.05 1.17 0.00	37.17 1.38 -0.28	39.54 1.58 -0.42	35.75 1.11 0.00	30.29 0.59 0.00	29.22 0.63 0.00	27.29 0.48 0.00	26.02 0.56 0.03	26.64 0.70 0.03	26.60 0.70 0.06	29.04 0.98 0.00	34.25 1.25 0.00	43.55 0.30 0.00	54.18 0.61 -2.32	63.16 1.17 -6.47	65.81 1.33 -8.89	53.04 0.67 -4.73	43.23 0.62 -3.58	32.75 0.61 0.00
WATERSIDE____6 8 9 23538	29.61 1.86 0.00	22.91 1.60 0.00	21.61 1.48 -0.18	21.48 1.42 0.00	23.95 1.42 0.00	31.52 1.64 0.00	37.53 2.02 0.00	40.06 2.52 0.00	37.20 2.56 0.00	32.15 2.46 0.01	31.04 2.46 0.01	27.69 2.60 1.72	26.00 2.68 2.17	26.16 2.80 2.60	25.93 2.83 2.86	27.61 3.00 3.45	33.56 3.10 2.54	45.85 3.46 0.86	54.63 3.38 0.00	59.19 3.66 0.00	59.14 3.56 0.00	50.59 2.95 0.00	40.39 2.50 1.13	34.25 2.12 0.00
WATKINRD_115KV_LN8_ILLION 55919	27.89 0.14 0.00	21.44 0.13 0.00	20.06 0.10 0.00	20.14 0.08 0.00	22.60 0.07 0.00	29.97 0.09 0.00	35.62 0.11 0.00	37.66 0.11 0.00	34.71 0.07 0.00	29.73 0.03 0.00	28.61 0.03 0.00	26.89 0.08 0.00	25.60 0.10 0.00	26.09 0.13 0.00	26.11 0.16 0.00	28.20 0.14 0.00	33.13 0.13 0.00	43.38 0.13 0.00	51.45 0.20 0.00	55.75 0.22 0.00	55.80 0.22 0.00	47.79 0.14 0.00	39.14 0.12 0.00	32.26 0.13 0.00



WDELAWARE___HYD 323627	29.22 1.47 0.00	22.55 1.24 0.00	21.26 1.14 -0.16	21.16 1.10 0.00	23.61 1.08 0.00	31.23 1.35 0.00	37.25 1.74 0.00	39.80 2.25 0.00	36.79 2.15 0.00	31.48 1.78 0.00	30.36 1.77 0.00	28.71 1.90 0.00	27.80 1.96 -0.34	28.28 2.05 -0.27	28.74 2.13 -0.65	30.37 2.27 -0.04	35.47 2.48 0.00	46.28 3.03 0.00	54.57 3.33 0.00	59.19 3.66 0.00	59.36 3.78 0.00	50.60 2.96 0.00	41.40 2.38 0.00	34.10 1.96 0.00
WEST BABYLON___IC 23714	33.92 2.72 -3.45	23.56 2.24 -0.01	22.22 2.08 -0.19	22.11 2.05 -0.01	34.43 2.14 -9.76	46.39 2.72 -13.79	49.02 3.20 -10.32	50.46 3.60 -9.30	48.63 3.57 -10.43	46.19 3.15 -13.34	49.63 3.00 -18.10	49.61 3.01 -19.80	49.66 3.01 -21.16	49.73 3.14 -20.62	50.22 3.14 -21.12	51.38 3.31 -20.01	53.34 3.43 -16.92	66.08 3.94 -18.89	69.92 4.10 -14.57	72.16 4.61 -12.02	71.49 4.50 -11.40	64.04 3.86 -12.53	52.86 3.43 -10.40	51.05 3.15 -15.76
WEST CANADA___HYD 24049	27.86 0.11 0.00	21.42 0.11 0.00	20.04 0.08 0.00	20.14 0.08 0.00	22.58 0.05 0.00	29.91 0.03 0.00	35.55 0.04 0.00	37.59 0.04 0.00	34.67 0.03 0.00	29.70 0.00 0.00	28.61 0.03 0.00	26.86 0.05 0.00	25.60 0.10 0.00	26.09 0.13 0.00	26.09 0.13 0.00	28.20 0.14 0.00	33.13 0.13 0.00	43.29 0.04 0.00	51.35 0.10 0.00	55.64 0.11 0.00	55.69 0.11 0.00	47.69 0.05 0.00	39.10 0.08 0.00	32.23 0.10 0.00
WESTERN_NY_WIND 24143	26.67 -1.08 0.00	20.48 -0.83 0.00	19.04 -0.94 -0.02	19.12 -0.94 0.00	21.43 -1.10 0.00	28.48 -1.40 0.00	33.91 -1.60 0.00	35.86 -1.69 0.00	33.18 -1.45 0.00	28.03 -1.66 0.00	27.07 -1.52 0.00	25.82 -0.99 0.00	24.55 -0.94 0.00	25.29 -0.68 0.00	25.44 -0.52 0.00	27.16 -0.90 0.00	31.48 -1.52 0.00	41.13 -2.12 0.00	48.63 -2.61 0.00	53.19 -2.33 0.00	53.47 -2.11 0.00	45.64 -2.00 0.00	37.50 -1.52 0.00	31.17 -0.96 0.00
WESTOVER___LESR 323668	27.86 0.11 0.00	21.42 0.11 0.00	20.00 -0.02 -0.06	20.04 -0.02 0.00	22.44 -0.09 0.00	29.76 -0.12 0.00	35.47 -0.04 0.00	37.40 -0.15 0.00	34.50 -0.14 0.00	29.52 -0.18 0.00	28.41 -0.17 0.00	26.86 0.05 0.00	25.62 0.10 -0.02	26.19 0.21 -0.01	26.28 0.29 -0.03	28.32 0.25 0.00	33.06 0.07 0.00	43.21 -0.04 0.00	51.19 -0.05 0.00	55.58 0.06 0.00	55.69 0.11 0.00	47.64 0.00 0.00	38.98 -0.04 0.00	32.26 0.13 0.00
WETHRSFD_WT_PWR 323626	26.53 -1.22 0.00	20.29 -1.02 0.00	18.71 -1.28 -0.03	18.76 -1.30 0.00	20.98 -1.55 0.00	27.88 -2.00 0.00	33.49 -2.02 0.00	35.07 -2.48 0.00	32.49 -2.15 0.00	27.68 -2.02 0.00	26.73 -1.86 0.00	25.57 -1.23 0.00	24.37 -1.12 0.00	25.05 -0.91 0.00	25.21 -0.75 0.00	26.99 -1.07 0.00	31.25 -1.75 0.00	40.91 -2.34 0.00	48.07 -3.18 0.00	52.70 -2.83 0.00	52.80 -2.78 0.00	45.12 -2.53 0.00	36.87 -2.15 0.00	30.72 -1.41 0.00
WHAVSTOR_138KV_BK127 55557	29.30 1.55 0.00	22.64 1.32 0.00	21.35 1.22 -0.17	21.24 1.18 0.00	23.70 1.17 0.00	31.31 1.43 0.00	37.29 1.78 0.00	39.80 2.25 0.00	36.85 2.22 0.00	31.72 2.02 0.00	30.62 2.03 0.00	28.93 2.12 0.00	28.11 2.19 -0.43	28.58 2.28 -0.34	29.11 2.34 -0.82	30.61 2.50 -0.05	35.60 2.61 0.00	46.15 2.90 0.00	54.27 3.02 0.00	58.86 3.33 0.00	58.86 3.28 0.00	50.31 2.67 0.00	41.20 2.19 0.00	34.03 1.90 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	29.30 1.55 0.00	22.64 1.32 0.00	21.35 1.22 -0.17	21.24 1.18 0.00	23.70 1.17 0.00	31.31 1.43 0.00	37.29 1.78 0.00	39.80 2.25 0.00	36.85 2.22 0.00	31.72 2.02 0.00	30.62 2.03 0.00	28.93 2.12 0.00	28.11 2.19 -0.43	28.58 2.28 -0.34	29.11 2.34 -0.82	30.61 2.50 -0.05	35.60 2.61 0.00	46.15 2.90 0.00	54.27 3.02 0.00	58.86 3.33 0.00	58.86 3.28 0.00	50.31 2.67 0.00	41.20 2.19 0.00	34.03 1.90 0.00
WHITEHAL_115KV_TB1 80871	29.14 1.39 0.00	22.49 1.17 0.00	21.30 1.12 -0.22	21.14 1.08 0.00	23.64 1.10 0.00	31.37 1.49 0.00	37.59 1.78 -0.30	40.03 2.03 -0.45	36.02 1.39 0.00	30.41 0.71 0.00	29.30 0.71 0.00	27.32 0.51 0.00	26.07 0.61 0.03	26.69 0.75 0.03	26.68 0.78 0.06	29.18 1.12 0.00	34.55 1.55 0.00	44.11 0.86 0.00	55.23 1.49 -2.50	64.77 2.28 -6.97	67.72 2.56 -9.58	54.31 1.57 -5.09	44.17 1.29 -3.86	33.20 1.06 0.00
WHITEPLN_13_KV_LOAD 356215	29.58 1.83 0.00	22.89 1.58 0.00	21.57 1.44 -0.18	21.44 1.38 0.00	23.91 1.37 0.00	31.64 1.76 0.00	37.68 2.17 0.00	40.25 2.70 0.00	37.30 2.67 0.00	32.07 2.38 0.00	30.96 2.37 0.00	29.33 2.52 0.00	28.54 2.60 -0.45	29.04 2.73 -0.35	29.52 2.70 -0.86	31.03 2.92 -0.05	36.06 3.07 0.00	46.80 3.55 0.00	54.98 3.74 0.00	59.69 4.16 0.00	59.69 4.11 0.00	50.88 3.24 0.00	41.67 2.65 0.00	34.38 2.25 0.00
WM_FLOYD_69_KV_BK2 356380	34.00 2.94 -3.31	23.75 2.43 -0.01	22.40 2.26 -0.18	22.30 2.23 -0.01	34.23 2.34 -9.36	46.03 2.99 -13.16	48.84 3.48 -9.85	54.64 3.87 -13.22	48.39 3.81 -9.95	46.52 3.30 -13.53	48.91 3.06 -17.27	48.75 3.06 -18.89	48.76 3.06 -20.21	48.82 3.17 -19.69	49.29 3.14 -20.19	50.52 3.37 -19.09	52.76 3.63 -16.14	76.63 4.28 -29.10	140.78 4.66 -84.88	134.81 5.16 -74.12	136.94 5.06 -76.30	77.69 4.24 -25.81	53.66 3.71 -10.94	50.52 3.34 -15.04
WOODARD___115KV_TB2 355635	27.41 -0.33 0.00	21.06 -0.26 0.00	19.71 -0.26 -0.02	19.76 -0.30 0.00	22.17 -0.36 0.00	29.40 -0.48 0.00	35.01 -0.50 0.00	36.87 -0.68 0.00	34.01 -0.62 0.00	29.13 -0.56 0.00	28.04 -0.54 0.00	26.43 -0.38 0.00	25.16 -0.33 0.00	25.70 -0.26 0.00	25.75 -0.21 0.00	27.81 -0.25 0.00	32.57 -0.43 0.00	42.64 -0.61 0.00	50.53 -0.72 0.00	54.75 -0.78 0.00	54.80 -0.78 0.00	46.88 -0.76 0.00	38.43 -0.59 0.00	31.75 -0.39 0.00
WOODMERE_69_KV_BK1 55827	34.37 2.47 -4.15	23.37 2.05 -0.01	22.02 1.88 -0.19	21.92 1.85 -0.01	36.15 1.89 -11.73	49.33 2.42 -17.02	51.19 2.95 -12.73	51.77 3.45 -10.77	50.90 3.39 -12.87	46.28 3.09 -13.49	53.78 2.86 -22.34	54.19 2.95 -24.44	54.49 2.98 -26.01	54.45 3.12 -25.37	54.94 3.12 -25.86	56.08 3.34 -24.68	57.44 3.56 -20.88	68.85 4.11 -21.49	61.94 4.41 -6.29	64.87 4.83 -4.52	63.66 4.78 -3.30	64.83 4.00 -13.18	55.17 3.47 -12.67	54.58 2.99 -19.46
YORK___WARBASSE 23770	29.78 2.03 -0.01	23.07 1.75 -0.01	21.74 1.60 -0.18	21.61 1.54 -0.01	24.10 1.55 -0.01	31.67 1.79 0.00	37.68 2.17 0.00	40.21 2.63 -0.03	37.30 2.63 -0.03	32.25 2.49 -0.06	31.16 2.52 -0.06	41.48 2.63 -12.05	47.04 2.73 -18.82	49.86 2.83 -21.07	55.74 2.86 -26.92	55.72 3.06 -24.60	53.91 3.17 -17.75	52.88 3.59 -6.04	54.73 3.48 0.00	59.30 3.78 0.00	59.19 3.61 0.00	50.77 3.10 -0.03	49.49 2.58 -7.90	34.37 2.22 -0.02