

# Day Ahead Market Generator LBMP

Generator Data		--- LBMP \$															--- Marginal Cost of Losses										--- Marginal Cost of Congestion										12/14/2023		
Name	PTID	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														
59TH STREET_GT_1	24138	29.81	28.94	28.08	28.08	28.49	30.41	39.58	47.13	40.02	34.91	34.35	32.14	30.80	30.75	32.55	35.93	43.39	60.27	48.21	41.86	39.36	36.95	34.13	31.63														
		1.47	1.30	1.26	1.21	1.15	1.31	2.73	3.45	3.07	2.44	2.31	2.19	2.17	2.12	2.36	2.78	3.34	4.08	3.26	3.26	3.07	2.93	2.63	2.29														
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.72	-14.09	-10.24	-4.32	-2.15	0.00	-0.56	0.00														
74TH STREET_GT_1	24260	29.70	28.91	28.05	28.11	28.46	30.35	39.50	47.18	39.95	34.87	34.26	32.11	30.72	30.69	32.49	35.80	43.39	60.24	48.26	41.83	39.33	36.88	34.11	31.62														
		1.36	1.27	1.23	1.24	1.12	1.25	2.65	3.49	2.99	2.40	2.21	2.16	2.09	2.06	2.29	2.65	3.34	4.04	3.30	3.22	3.04	2.86	2.60	2.29														
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.72	-14.10	-10.25	-4.33	-2.15	0.00	-0.56	0.00														
74TH STREET_GT_2	24261	29.70	28.91	28.05	28.11	28.46	30.35	39.50	47.18	39.95	34.87	34.26	32.11	30.72	30.69	32.49	35.80	43.39	60.24	48.26	41.83	39.33	36.88	34.11	31.62														
		1.36	1.27	1.23	1.24	1.12	1.25	2.65	3.49	2.99	2.40	2.21	2.16	2.09	2.06	2.29	2.65	3.34	4.04	3.30	3.22	3.04	2.86	2.60	2.29														
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.72	-14.10	-10.25	-4.33	-2.15	0.00	-0.56	0.00														
ADK HUDSON___FALLS	24011	29.33	28.53	27.81	27.89	28.38	30.26	39.02	46.39	39.10	33.93	33.49	31.21	29.74	29.78	31.58	34.64	43.19	62.53	49.81	41.66	38.77	35.82	33.28	30.86														
		0.99	0.88	0.99	1.02	1.04	1.16	2.17	2.71	2.14	1.46	1.44	1.26	1.12	1.15	1.39	1.49	2.11	2.40	2.01	1.85	1.88	1.80	1.61	1.53														
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.75	-18.02	-13.09	-5.53	-2.75	0.00	-0.72	0.00														
ADK RESOURCE___RCVRY	23798	29.41	28.61	27.90	27.97	28.49	30.38	39.24	46.65	39.29	34.09	33.65	31.31	29.83	29.86	31.70	34.83	43.34	62.70	49.99	41.76	38.87	35.99	33.31	30.95														
		1.08	0.97	1.07	1.10	1.15	1.28	2.39	2.97	2.33	1.62	1.60	1.35	1.20	1.23	1.51	1.69	2.25	2.57	2.19	1.95	1.98	1.97	1.64	1.61														
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.75	-18.03	-13.09	-5.53	-2.75	0.00	-0.72	0.00														
ADK S GLENS___FALLS	24028	29.33	28.53	27.81	27.89	28.38	30.26	39.02	46.39	39.10	33.93	33.49	31.21	29.74	29.78	31.58	34.64	43.19	62.53	49.81	41.66	38.77	35.82	33.28	30.86														
		0.99	0.88	0.99	1.02	1.04	1.16	2.17	2.71	2.14	1.46	1.44	1.26	1.12	1.15	1.39	1.49	2.11	2.40	2.01	1.85	1.88	1.80	1.61	1.53														
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.75	-18.02	-13.09	-5.53	-2.75	0.00	-0.72	0.00														
ADK_NYS___DAM	23527	29.44	28.66	27.84	27.87	28.35	30.26	39.06	46.52	39.18	33.83	33.49	31.39	30.09	30.12	31.79	35.13	43.50	62.49	49.85	41.98	39.12	36.37	33.77	31.27														
		1.10	1.02	1.02	0.99	1.01	1.17	2.21	2.84	2.22	1.36	1.44	1.44	1.46	1.49	1.60	1.99	2.58	2.99	2.50	2.36	2.32	2.35	2.13	1.94														
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.59	-17.40	-12.63	-5.33	-2.66	0.00	-0.70	0.00														
AIR_PRODUCTS___DRP	24190	28.87	28.14	27.41	27.49	27.89	29.42	37.55	44.60	37.70	32.83	32.56	30.55	29.26	29.29	30.89	33.81	41.99	60.77	48.38	40.60	37.73	34.87	32.57	30.36														
		0.54	0.50	0.59	0.62	0.55	0.32	0.70	0.92	0.74	0.36	0.51	0.60	0.63	0.66	0.69	0.66	1.05	1.18	0.97	0.96	0.92	0.85	0.93	1.03														
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.61	-17.49	-12.70	-5.36	-2.67	0.00	-0.70	0.00														
AKWESSNE_115KV_BK	355683	28.39	27.72	26.93	26.98	27.51	29.16	36.26	42.90	36.33	32.31	31.92	29.90	28.54	28.52	30.01	32.85	35.68	41.26	34.02	33.63	33.63	33.61	30.60	29.10														
		0.06	0.08	0.11	0.11	0.16	0.06	-0.59	-0.79	-0.63	-0.16	-0.13	-0.06	-0.09	-0.11	-0.18	-0.30	-0.65	-0.84	-0.69	-0.65	-0.51	-0.41	-0.34	-0.23														
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	323833	29.47	28.69	27.95	28.00	28.44	30.12	38.47	45.56	38.47	33.51	33.13	31.00	29.63	29.69	31.37	34.44	42.57	61.25	48.85	41.16	38.37	35.55	33.09	30.80														
		1.13	1.05	1.13	1.13	1.09	1.02	1.62	1.88	1.52	1.04	1.09	1.05	1.00	1.06	1.18	1.29	1.71	1.98	1.67	1.61	1.60	1.53	1.45	1.47														
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.53	-17.17	-12.47	-5.27	-2.62	0.00	-0.69	0.00														
ALBANY_2_SOLAR	323834	29.44	28.69	27.92	28.00	28.44	30.12	38.47	45.56	38.47	33.51	33.10	31.00	29.63	29.66	31.34	34.44	42.57	61.26	48.85	41.16	38.37	35.52	33.09	30.80														
		1.11	1.05	1.10	1.13	1.09	1.02	1.62	1.88	1.52	1.04	1.06	1.05	1.00	1.03	1.15	1.29	1.71	1.98	1.67	1.61	1.60	1.50	1.45	1.47														
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.53	-17.17	-12.47	-5.27	-2.62	0.00	-0.69	0.00														
ALBANY___I	23571	28.87	28.14	27.41	27.49	27.89	29.42	37.55	44.60	37.70	32.83	32.56	30.55	29.26	29.29	30.89	33.81	41.99	60.77	48.38	40.60	37.73	34.87	32.57	30.36														
		0.54	0.50	0.59	0.62	0.55	0.32	0.70	0.92	0.74	0.36	0.51	0.60	0.63	0.66	0.69	0.66	1.05	1.18	0.97	0.96	0.92	0.85	0.93	1.03														
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.61	-17.49	-12.70	-5.36	-2.67	0.00	-0.70	0.00														



ALBANY___2 23572	28.87 0.54 0.00	28.14 0.50 0.00	27.41 0.59 0.00	27.49 0.62 0.00	27.89 0.55 0.00	29.42 0.32 0.00	37.55 0.70 0.00	44.60 0.92 0.00	37.70 0.74 0.00	32.83 0.36 0.00	32.56 0.51 0.00	30.55 0.60 0.00	29.26 0.63 0.00	29.29 0.66 0.00	30.89 0.69 0.00	33.81 0.66 0.00	41.99 1.05 -4.61	60.77 1.18 -17.49	48.38 0.97 -12.70	40.60 0.96 -5.36	37.73 0.92 -2.67	34.87 0.85 0.00	32.57 0.93 -0.70	30.36 1.03 0.00
ALBANY___3 23573	28.87 0.54 0.00	28.14 0.50 0.00	27.41 0.59 0.00	27.49 0.62 0.00	27.89 0.55 0.00	29.42 0.32 0.00	37.55 0.70 0.00	44.60 0.92 0.00	37.70 0.74 0.00	32.83 0.36 0.00	32.56 0.51 0.00	30.55 0.60 0.00	29.26 0.63 0.00	29.29 0.66 0.00	30.89 0.69 0.00	33.81 0.66 0.00	41.99 1.05 -4.61	60.77 1.18 -17.49	48.38 0.97 -12.70	40.60 0.96 -5.36	37.73 0.92 -2.67	34.87 0.85 0.00	32.57 0.93 -0.70	30.36 1.03 0.00
ALBANY___4 23574	28.87 0.54 0.00	28.14 0.50 0.00	27.41 0.59 0.00	27.49 0.62 0.00	27.89 0.55 0.00	29.42 0.32 0.00	37.55 0.70 0.00	44.60 0.92 0.00	37.70 0.74 0.00	32.83 0.36 0.00	32.56 0.51 0.00	30.55 0.60 0.00	29.26 0.63 0.00	29.29 0.66 0.00	30.89 0.69 0.00	33.81 0.66 0.00	41.99 1.05 -4.61	60.77 1.18 -17.49	48.38 0.97 -12.70	40.60 0.96 -5.36	37.73 0.92 -2.67	34.87 0.85 0.00	32.57 0.93 -0.70	30.36 1.03 0.00
ALBANY___LFGE 323615	28.93 0.60 0.00	28.22 0.58 0.00	27.46 0.64 0.00	27.54 0.67 0.00	27.94 0.60 0.00	29.68 0.58 0.00	37.99 1.14 0.00	45.12 1.44 0.00	38.10 1.15 0.00	33.18 0.71 0.00	32.91 0.87 0.00	30.85 0.90 0.00	29.54 0.92 0.00	29.57 0.94 0.00	31.19 0.99 0.00	34.30 1.16 0.00	42.43 1.45 -4.65	61.37 1.64 -17.63	48.90 1.39 -12.80	40.99 1.30 -5.40	38.10 1.26 -2.69	35.28 1.26 0.00	32.83 1.18 -0.71	30.60 1.26 0.00
ALCOA_PA_115KV_PL-6C 55860	28.65 0.31 0.00	27.97 0.33 0.00	27.14 0.32 0.00	27.19 0.32 0.00	27.73 0.38 0.00	29.39 0.29 0.00	36.41 -0.44 0.00	43.07 -0.61 0.00	36.48 -0.48 0.00	32.40 -0.06 0.00	32.01 -0.03 0.00	30.05 0.09 0.00	28.71 0.09 0.00	28.69 0.06 0.00	30.19 0.00 0.00	32.95 -0.20 0.00	35.79 -0.54 0.00	41.39 -0.72 0.00	34.09 -0.62 0.00	33.73 -0.55 0.00	33.73 -0.41 0.00	33.75 -0.27 0.00	30.73 -0.22 0.00	29.28 -0.06 0.00
ALCOA_RYNLDS___DRP 24188	28.65 0.31 0.00	27.97 0.33 0.00	27.14 0.32 0.00	27.19 0.32 0.00	27.73 0.38 0.00	29.39 0.29 0.00	36.41 -0.44 0.00	43.07 -0.61 0.00	36.48 -0.48 0.00	32.40 -0.06 0.00	32.01 -0.03 0.00	30.05 0.09 0.00	28.71 0.09 0.00	28.69 0.06 0.00	30.19 0.00 0.00	32.95 -0.20 0.00	35.79 -0.54 0.00	41.39 -0.72 0.00	34.09 -0.62 0.00	33.73 -0.55 0.00	33.73 -0.41 0.00	33.75 -0.27 0.00	30.73 -0.22 0.00	29.28 -0.06 0.00
ALCOA___DSASP 323711	28.65 0.31 0.00	27.97 0.33 0.00	27.14 0.32 0.00	27.22 0.35 0.00	27.72 0.38 0.00	29.39 0.29 0.00	36.41 -0.44 0.00	43.07 -0.61 0.00	36.48 -0.48 0.00	32.40 -0.06 0.00	32.04 0.00 0.00	30.05 0.09 0.00	28.71 0.09 0.00	28.69 0.06 0.00	30.19 0.00 0.00	32.91 -0.23 0.00	35.79 -0.54 0.00	41.39 -0.72 0.00	34.09 -0.62 0.00	33.73 -0.55 0.00	33.73 -0.41 0.00	33.75 -0.27 0.00	30.85 -0.09 0.00	29.28 -0.06 0.00
ALLEGHENY___COGEN 23514	29.86 1.53 0.00	29.11 1.46 0.00	28.16 1.34 0.00	28.16 1.29 0.00	28.76 1.42 0.00	30.84 1.75 0.00	39.06 2.21 0.00	46.19 2.49 -0.02	39.10 2.14 0.00	33.96 1.49 0.00	32.97 0.93 0.00	30.50 0.54 0.00	28.88 0.26 0.00	28.95 0.32 0.00	30.49 0.30 0.00	33.41 0.26 0.00	37.79 0.76 -0.69	45.83 1.09 -2.63	37.52 0.90 -1.91	35.63 0.55 -0.81	34.93 0.24 -0.54	34.41 -0.10 -0.49	30.75 -0.46 -0.27	29.01 -0.32 0.00
ALTAMONT_115KV_TB 2 55880	28.99 0.65 0.00	28.25 0.61 0.00	27.46 0.64 0.00	27.52 0.64 0.00	27.94 0.60 0.00	29.71 0.61 0.00	37.99 1.14 0.00	45.12 1.44 0.00	38.14 1.18 0.00	33.25 0.78 0.00	32.85 0.80 0.00	30.76 0.81 0.00	29.43 0.80 0.00	29.46 0.83 0.00	31.10 0.91 0.00	34.14 0.99 0.00	42.32 1.38 -4.61	61.19 1.60 -17.49	48.77 1.35 -12.70	40.94 1.30 -5.36	38.07 1.26 -2.67	35.21 1.19 0.00	32.79 1.14 -0.70	30.42 1.09 0.00
ALTONA_WT_PWR 323606	28.51 0.17 0.00	27.95 0.30 0.00	27.22 0.40 0.00	27.38 0.51 0.00	28.05 0.71 0.00	29.53 0.44 0.00	36.26 -0.59 0.00	42.94 -0.74 0.00	36.37 -0.59 0.00	32.73 0.26 0.00	32.37 0.32 0.00	30.14 0.18 0.00	28.65 0.03 0.00	28.63 0.00 0.00	30.04 -0.15 0.00	32.91 -0.23 0.00	35.64 -0.69 0.00	40.46 -1.64 0.00	33.57 -1.14 0.00	32.98 -1.30 0.00	32.77 -1.37 0.00	32.59 -1.43 0.00	29.98 -0.96 0.00	28.34 -1.00 0.00
AMERICAN_REF_FUEL 24010	27.09 -1.25 0.00	26.43 -1.22 0.00	25.51 -1.31 0.00	25.69 -1.18 0.00	26.14 -1.20 0.00	27.73 -1.37 0.00	34.01 -2.84 0.00	39.56 -4.11 0.02	33.93 -3.03 0.00	29.61 -2.86 0.00	28.94 -3.11 0.00	26.87 -3.08 0.00	25.56 -3.06 0.00	25.65 -2.98 0.00	26.87 -3.32 0.00	28.74 -4.41 0.00	31.88 -4.83 -0.38	38.04 -5.64 -1.58	31.42 -4.34 -1.04	30.20 -4.53 -0.45	29.03 -4.88 0.23	27.15 -5.14 1.74	25.79 -4.67 0.48	25.43 -3.90 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	28.68 0.34 0.00	27.92 0.28 0.00	26.98 0.16 0.00	27.17 0.30 0.00	27.67 0.33 0.00	29.36 0.26 0.00	36.30 -0.55 0.00	41.79 -1.88 0.01	36.04 -0.92 0.00	31.33 -1.14 0.00	30.64 -1.41 0.00	28.34 -1.62 0.00	26.85 -1.77 0.00	26.91 -1.72 0.00	28.11 -2.08 0.00	29.83 -3.31 0.00	33.14 -3.67 -0.48	39.75 -4.21 -1.86	32.55 -3.47 -1.31	31.17 -3.67 -0.56	30.04 -3.99 0.11	28.35 -4.25 1.42	26.54 -4.02 0.38	26.37 -2.96 0.00
ARTHUR KILL_GT_1 23520	29.89 1.56 0.00	29.00 1.35 0.00	28.11 1.29 0.00	28.11 1.24 0.00	28.46 1.12 0.00	30.29 1.19 0.00	39.50 2.65 0.00	46.96 3.28 0.00	39.84 2.88 0.00	34.78 2.31 0.00	34.19 2.15 0.00	31.99 2.04 0.00	30.60 1.97 0.00	30.58 1.95 0.00	32.43 2.23 0.00	35.83 2.68 0.00	43.35 3.31 -3.72	60.32 4.13 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.30 3.01 -2.15	36.91 2.89 0.00	34.17 2.66 -0.56	31.71 2.38 0.00
ARTHUR_KILL_2 23512	29.81 1.47 0.00	28.91 1.27 0.00	28.03 1.21 0.00	28.03 1.15 0.00	28.41 1.07 0.00	30.20 1.11 0.00	39.39 2.54 0.00	46.83 3.15 0.00	39.73 2.77 0.00	34.68 2.21 0.00	34.10 2.05 0.00	31.90 1.95 0.00	30.54 1.92 0.00	30.49 1.86 0.00	32.33 2.14 0.00	35.73 2.59 0.00	43.25 3.20 -3.72	60.20 4.00 -14.09	48.21 3.26 -10.24	41.79 3.19 -4.32	39.19 2.90 -2.15	36.81 2.79 0.00	34.07 2.57 -0.56	31.63 2.29 0.00
ARTHUR_KILL_3 23513	29.53 1.19 0.00	28.66 1.02 0.00	27.81 0.99 0.00	27.84 0.97 0.00	28.22 0.87 0.00	30.11 1.02 0.00	39.21 2.36 0.00	46.69 3.01 0.00	39.62 2.66 0.00	34.55 2.08 0.00	34.03 1.99 0.00	31.84 1.89 0.00	30.51 1.89 0.00	30.47 1.83 0.00	32.25 2.05 0.00	35.60 2.45 0.00	42.99 2.94 -3.72	59.81 3.62 -14.09	47.87 2.92 -10.24	41.52 2.91 -4.32	39.05 2.76 -2.15	36.64 2.62 0.00	33.86 2.35 -0.56	31.36 2.02 0.00



ARTHUR_KILL_COGEN 323718	29.89 1.56 0.00	29.00 1.35 0.00	28.11 1.29 0.00	28.11 1.24 0.00	28.46 1.12 0.00	30.29 1.19 0.00	39.50 2.65 0.00	46.96 3.28 0.00	39.84 2.88 0.00	34.78 2.31 0.00	34.19 2.15 0.00	31.99 2.04 0.00	30.60 1.97 0.00	30.58 1.95 0.00	32.43 2.23 0.00	35.83 2.68 0.00	43.35 3.31 -3.72	60.32 4.13 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.30 3.01 -2.15	36.91 2.89 0.00	34.17 2.66 -0.56	31.71 2.38 0.00
ASHOKAN____ 23654	30.21 1.87 0.00	29.44 1.80 0.00	28.59 1.77 0.00	28.64 1.77 0.00	29.15 1.80 0.00	30.93 1.83 0.00	39.61 2.77 0.00	46.17 2.49 0.00	38.77 1.81 0.00	33.73 1.27 0.00	33.10 1.06 0.00	30.89 0.93 0.00	29.43 0.80 0.00	29.43 0.80 0.00	31.34 1.15 0.00	34.74 1.59 0.00	42.70 2.18 -4.19	60.56 2.57 -15.88	48.68 2.43 -11.53	41.41 2.26 -4.87	38.68 2.12 -2.42	36.06 2.04 0.00	33.59 2.01 -0.64	31.51 2.17 0.00
ASTORIA_EAST_ENERGY_CC1 323581	29.57 1.25 0.01	28.69 1.05 0.00	27.81 0.99 0.01	27.80 0.94 0.01	28.18 0.85 0.01	29.93 0.84 0.01	38.98 2.14 0.01	46.38 2.71 0.01	39.39 2.44 0.01	34.38 1.92 0.01	33.89 1.86 0.01	31.71 1.77 0.01	30.36 1.75 0.01	30.34 1.72 0.01	32.14 1.96 0.01	35.49 2.35 0.01	42.88 2.84 -3.71	59.68 3.49 -14.08	47.75 2.81 -10.23	41.37 2.78 -4.32	38.84 2.56 -2.14	36.46 2.45 0.01	33.79 2.29 -0.56	31.38 2.05 0.01
ASTORIA_EAST_ENERGY_CC2 323582	29.57 1.25 0.01	28.69 1.05 0.00	27.81 0.99 0.01	27.80 0.94 0.01	28.18 0.85 0.01	29.93 0.84 0.01	38.98 2.14 0.01	46.38 2.71 0.01	39.39 2.44 0.01	34.38 1.92 0.01	33.89 1.86 0.01	31.71 1.77 0.01	30.36 1.75 0.01	30.34 1.72 0.01	32.14 1.96 0.01	35.49 2.35 0.01	42.88 2.84 -3.71	59.68 3.49 -14.08	47.75 2.81 -10.23	41.37 2.78 -4.32	38.84 2.56 -2.14	36.46 2.45 0.01	33.79 2.29 -0.56	31.38 2.05 0.01
ASTORIA_GT2_1 24094	29.44 1.11 0.00	28.64 1.00 0.00	27.79 0.97 0.00	27.81 0.94 0.00	28.16 0.82 0.00	29.91 0.81 0.00	38.91 2.06 0.00	46.44 2.75 0.00	39.40 2.44 0.00	34.42 1.95 0.00	33.84 1.79 0.00	31.69 1.74 0.00	30.34 1.72 0.00	30.32 1.69 0.00	32.12 1.93 0.00	35.37 2.22 0.00	42.92 2.87 -3.72	59.74 3.54 -14.10	47.80 2.85 -10.25	41.38 2.78 -4.33	38.85 2.56 -2.15	36.44 2.42 0.00	33.80 2.29 -0.56	31.36 2.02 0.00
ASTORIA_GT2_2 24095	29.44 1.11 0.00	28.64 1.00 0.00	27.79 0.97 0.00	27.81 0.94 0.00	28.16 0.82 0.00	29.91 0.81 0.00	38.91 2.06 0.00	46.44 2.75 0.00	39.40 2.44 0.00	34.42 1.95 0.00	33.84 1.79 0.00	31.69 1.74 0.00	30.34 1.72 0.00	30.32 1.69 0.00	32.12 1.93 0.00	35.37 2.22 0.00	42.92 2.87 -3.72	59.74 3.54 -14.10	47.80 2.85 -10.25	41.38 2.78 -4.33	38.85 2.56 -2.15	36.44 2.42 0.00	33.80 2.29 -0.56	31.36 2.02 0.00
ASTORIA_GT2_3 24096	29.44 1.11 0.00	28.64 1.00 0.00	27.79 0.97 0.00	27.81 0.94 0.00	28.16 0.82 0.00	29.91 0.81 0.00	38.91 2.06 0.00	46.44 2.75 0.00	39.40 2.44 0.00	34.42 1.95 0.00	33.84 1.79 0.00	31.69 1.74 0.00	30.34 1.72 0.00	30.32 1.69 0.00	32.12 1.93 0.00	35.37 2.22 0.00	42.92 2.87 -3.72	59.74 3.54 -14.10	47.80 2.85 -10.25	41.38 2.78 -4.33	38.85 2.56 -2.15	36.44 2.42 0.00	33.80 2.29 -0.56	31.36 2.02 0.00
ASTORIA_GT2_4 24097	29.44 1.11 0.00	28.64 1.00 0.00	27.79 0.97 0.00	27.81 0.94 0.00	28.16 0.82 0.00	29.91 0.81 0.00	38.91 2.06 0.00	46.44 2.75 0.00	39.40 2.44 0.00	34.42 1.95 0.00	33.84 1.79 0.00	31.69 1.74 0.00	30.34 1.72 0.00	30.32 1.69 0.00	32.12 1.93 0.00	35.37 2.22 0.00	42.92 2.87 -3.72	59.74 3.54 -14.10	47.80 2.85 -10.25	41.38 2.78 -4.33	38.85 2.56 -2.15	36.44 2.42 0.00	33.80 2.29 -0.56	31.36 2.02 0.00
ASTORIA_GT3_1 24098	29.44 1.11 0.00	28.64 1.00 0.00	27.79 0.97 0.00	27.81 0.94 0.00	28.16 0.82 0.00	29.91 0.81 0.00	38.91 2.06 0.00	46.44 2.75 0.00	39.40 2.44 0.00	34.42 1.95 0.00	33.84 1.79 0.00	31.69 1.74 0.00	30.34 1.72 0.00	30.32 1.69 0.00	32.12 1.93 0.00	35.37 2.22 0.00	42.92 2.87 -3.72	59.74 3.54 -14.10	47.80 2.85 -10.25	41.38 2.78 -4.33	38.85 2.56 -2.15	36.44 2.42 0.00	33.80 2.29 -0.56	31.36 2.02 0.00
ASTORIA_GT3_2 24099	29.44 1.11 0.00	28.64 1.00 0.00	27.79 0.97 0.00	27.81 0.94 0.00	28.16 0.82 0.00	29.91 0.81 0.00	38.91 2.06 0.00	46.44 2.75 0.00	39.40 2.44 0.00	34.42 1.95 0.00	33.84 1.79 0.00	31.69 1.74 0.00	30.34 1.72 0.00	30.32 1.69 0.00	32.12 1.93 0.00	35.37 2.22 0.00	42.92 2.87 -3.72	59.74 3.54 -14.10	47.80 2.85 -10.25	41.38 2.78 -4.33	38.85 2.56 -2.15	36.44 2.42 0.00	33.80 2.29 -0.56	31.36 2.02 0.00
ASTORIA_GT3_3 24100	29.44 1.11 0.00	28.64 1.00 0.00	27.79 0.97 0.00	27.81 0.94 0.00	28.16 0.82 0.00	29.91 0.81 0.00	38.91 2.06 0.00	46.44 2.75 0.00	39.40 2.44 0.00	34.42 1.95 0.00	33.84 1.79 0.00	31.69 1.74 0.00	30.34 1.72 0.00	30.32 1.69 0.00	32.12 1.93 0.00	35.37 2.22 0.00	42.92 2.87 -3.72	59.74 3.54 -14.10	47.80 2.85 -10.25	41.38 2.78 -4.33	38.85 2.56 -2.15	36.44 2.42 0.00	33.80 2.29 -0.56	31.36 2.02 0.00
ASTORIA_GT3_4 24101	29.44 1.11 0.00	28.64 1.00 0.00	27.79 0.97 0.00	27.81 0.94 0.00	28.16 0.82 0.00	29.91 0.81 0.00	38.91 2.06 0.00	46.44 2.75 0.00	39.40 2.44 0.00	34.42 1.95 0.00	33.84 1.79 0.00	31.69 1.74 0.00	30.34 1.72 0.00	30.32 1.69 0.00	32.12 1.93 0.00	35.37 2.22 0.00	42.92 2.87 -3.72	59.74 3.54 -14.10	47.80 2.85 -10.25	41.38 2.78 -4.33	38.85 2.56 -2.15	36.44 2.42 0.00	33.80 2.29 -0.56	31.36 2.02 0.00
ASTORIA_GT4_1 24102	29.44 1.11 0.00	28.64 1.00 0.00	27.79 0.97 0.00	27.81 0.94 0.00	28.16 0.82 0.00	29.91 0.81 0.00	38.91 2.06 0.00	46.44 2.75 0.00	39.40 2.44 0.00	34.42 1.95 0.00	33.84 1.79 0.00	31.69 1.74 0.00	30.34 1.72 0.00	30.32 1.69 0.00	32.12 1.93 0.00	35.37 2.22 0.00	42.92 2.87 -3.72	59.74 3.54 -14.10	47.80 2.85 -10.25	41.38 2.78 -4.33	38.85 2.56 -2.15	36.44 2.42 0.00	33.80 2.29 -0.56	31.36 2.02 0.00
ASTORIA_GT4_2 24103	29.44 1.11 0.00	28.64 1.00 0.00	27.79 0.97 0.00	27.81 0.94 0.00	28.16 0.82 0.00	29.91 0.81 0.00	38.91 2.06 0.00	46.44 2.75 0.00	39.40 2.44 0.00	34.42 1.95 0.00	33.84 1.79 0.00	31.69 1.74 0.00	30.34 1.72 0.00	30.32 1.69 0.00	32.12 1.93 0.00	35.37 2.22 0.00	42.92 2.87 -3.72	59.74 3.54 -14.10	47.80 2.85 -10.25	41.38 2.78 -4.33	38.85 2.56 -2.15	36.44 2.42 0.00	33.80 2.29 -0.56	31.36 2.02 0.00
ASTORIA_GT4_3 24104	29.44 1.11 0.00	28.64 1.00 0.00	27.79 0.97 0.00	27.81 0.94 0.00	28.16 0.82 0.00	29.91 0.81 0.00	38.91 2.06 0.00	46.44 2.75 0.00	39.40 2.44 0.00	34.42 1.95 0.00	33.84 1.79 0.00	31.69 1.74 0.00	30.34 1.72 0.00	30.32 1.69 0.00	32.12 1.93 0.00	35.37 2.22 0.00	42.92 2.87 -3.72	59.74 3.54 -14.10	47.80 2.85 -10.25	41.38 2.78 -4.33	38.85 2.56 -2.15	36.44 2.42 0.00	33.80 2.29 -0.56	31.36 2.02 0.00



ASTORIA_GT4_4 24105	29.44 1.11 0.00	28.64 1.00 0.00	27.79 0.97 0.00	27.81 0.94 0.00	28.16 0.82 0.00	29.91 0.81 0.00	38.91 2.06 0.00	46.44 2.75 0.00	39.40 2.44 0.00	34.42 1.95 0.00	33.84 1.79 0.00	31.69 1.74 0.00	30.34 1.72 0.00	30.32 1.69 0.00	32.12 1.93 0.00	35.37 2.22 0.00	42.92 2.87 -3.72	59.74 3.54 -14.10	47.80 2.85 -10.25	41.38 2.78 -4.33	38.85 2.56 -2.15	36.44 2.42 0.00	33.80 2.29 -0.56	31.36 2.02 0.00
ASTORIA_GT_1 23523	29.63 1.30 0.01	28.75 1.11 0.00	27.86 1.04 0.01	27.86 0.99 0.01	28.24 0.90 0.01	29.99 0.90 0.01	39.05 2.21 0.01	46.47 2.80 0.01	39.50 2.55 0.01	34.44 1.98 0.01	33.96 1.92 0.01	31.78 1.83 0.01	30.45 1.83 0.01	30.40 1.78 0.01	32.21 2.02 0.01	35.56 2.42 0.01	42.98 2.94 -3.71	59.81 3.62 -14.08	47.86 2.92 -10.23	41.48 2.88 -4.32	38.95 2.66 -2.14	36.53 2.52 0.01	33.85 2.35 -0.56	31.44 2.11 0.01
ASTORIA_GT_10 24110	29.61 1.28 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.17 1.08 0.00	39.24 2.40 0.00	46.87 3.19 0.00	39.77 2.81 0.00	34.71 2.24 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.98 0.00	30.58 1.95 0.00	32.36 2.17 0.00	35.66 2.52 0.00	43.25 3.20 -3.72	60.12 3.92 -14.10	48.12 3.16 -10.25	41.73 3.12 -4.33	39.19 2.90 -2.15	36.74 2.72 0.00	34.04 2.54 -0.56	31.57 2.23 0.00
ASTORIA_GT_11 24225	29.61 1.28 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.17 1.08 0.00	39.24 2.40 0.00	46.87 3.19 0.00	39.77 2.81 0.00	34.71 2.24 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.98 0.00	30.58 1.95 0.00	32.36 2.17 0.00	35.66 2.52 0.00	43.25 3.20 -3.72	60.12 3.92 -14.10	48.12 3.16 -10.25	41.73 3.12 -4.33	39.19 2.90 -2.15	36.74 2.72 0.00	34.04 2.54 -0.56	31.57 2.23 0.00
ASTORIA_GT_12 24226	29.61 1.28 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.17 1.08 0.00	39.24 2.40 0.00	46.87 3.19 0.00	39.77 2.81 0.00	34.71 2.24 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.98 0.00	30.58 1.95 0.00	32.36 2.17 0.00	35.66 2.52 0.00	43.25 3.20 -3.72	60.12 3.92 -14.10	48.12 3.16 -10.25	41.73 3.12 -4.33	39.19 2.90 -2.15	36.74 2.72 0.00	34.04 2.54 -0.56	31.57 2.23 0.00
ASTORIA_GT_13 24227	29.61 1.28 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.17 1.08 0.00	39.24 2.40 0.00	46.87 3.19 0.00	39.77 2.81 0.00	34.71 2.24 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.98 0.00	30.58 1.95 0.00	32.36 2.17 0.00	35.66 2.52 0.00	43.25 3.20 -3.72	60.12 3.92 -14.10	48.12 3.16 -10.25	41.73 3.12 -4.33	39.19 2.90 -2.15	36.74 2.72 0.00	34.04 2.54 -0.56	31.57 2.23 0.00
ASTORIA_GT_5 24106	29.47 1.13 0.00	28.69 1.05 0.00	27.81 0.99 0.00	27.87 0.99 0.00	28.19 0.85 0.00	29.97 0.87 0.00	38.99 2.14 0.00	46.52 2.84 0.00	39.47 2.51 0.00	34.48 2.01 0.00	33.90 1.86 0.00	31.75 1.80 0.00	30.40 1.77 0.00	30.38 1.75 0.00	32.15 1.96 0.00	35.43 2.29 0.00	42.99 2.94 -3.72	59.82 3.62 -14.10	47.87 2.92 -10.25	41.45 2.85 -4.33	38.92 2.63 -2.15	36.47 2.45 0.00	33.86 2.35 -0.56	31.42 2.08 0.00
ASTORIA_GT_7 24107	29.47 1.13 0.00	28.69 1.05 0.00	27.81 0.99 0.00	27.87 0.99 0.00	28.19 0.85 0.00	29.97 0.87 0.00	38.99 2.14 0.00	46.52 2.84 0.00	39.47 2.51 0.00	34.48 2.01 0.00	33.90 1.86 0.00	31.75 1.80 0.00	30.40 1.77 0.00	30.38 1.75 0.00	32.15 1.96 0.00	35.43 2.29 0.00	42.99 2.94 -3.72	59.82 3.62 -14.10	47.87 2.92 -10.25	41.45 2.85 -4.33	38.92 2.63 -2.15	36.47 2.45 0.00	33.86 2.35 -0.56	31.42 2.08 0.00
ASTORIA_GT_8 24108	29.47 1.13 0.00	28.69 1.05 0.00	27.81 0.99 0.00	27.87 0.99 0.00	28.19 0.85 0.00	29.97 0.87 0.00	38.99 2.14 0.00	46.52 2.84 0.00	39.47 2.51 0.00	34.48 2.01 0.00	33.90 1.86 0.00	31.75 1.80 0.00	30.40 1.77 0.00	30.38 1.75 0.00	32.15 1.96 0.00	35.43 2.29 0.00	42.99 2.94 -3.72	59.82 3.62 -14.10	47.87 2.92 -10.25	41.45 2.85 -4.33	38.92 2.63 -2.15	36.47 2.45 0.00	33.86 2.35 -0.56	31.42 2.08 0.00
ASTORIA___2 24149	29.57 1.25 0.01	28.69 1.05 0.00	27.83 1.02 0.01	27.83 0.97 0.01	28.21 0.87 0.01	29.96 0.87 0.01	39.01 2.17 0.01	46.38 2.71 0.01	39.43 2.48 0.01	34.38 1.92 0.01	33.89 1.86 0.01	31.75 1.80 0.01	30.39 1.78 0.01	30.34 1.72 0.01	32.14 1.96 0.01	35.52 2.39 0.01	42.91 2.87 -3.71	59.72 3.54 -14.08	47.79 2.85 -10.23	41.41 2.81 -4.32	38.88 2.59 -2.14	36.50 2.48 0.01	33.79 2.29 -0.56	31.38 2.05 0.01
ASTORIA___3 23516	29.75 1.42 0.00	28.86 1.21 0.00	28.00 1.18 0.00	28.00 1.13 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.36 2.51 0.00	46.83 3.15 0.00	39.80 2.85 0.00	34.71 2.24 0.00	34.19 2.15 0.00	31.99 2.04 0.00	30.66 2.03 0.00	30.61 1.97 0.00	32.43 2.23 0.00	35.80 2.65 0.00	43.25 3.20 -3.72	60.11 3.92 -14.09	48.11 3.16 -10.24	41.72 3.12 -4.32	39.19 2.90 -2.15	36.81 2.79 0.00	34.07 2.57 -0.56	31.60 2.26 0.00
ASTORIA___4 23517	29.61 1.28 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.17 1.08 0.00	39.24 2.40 0.00	46.87 3.19 0.00	39.77 2.81 0.00	34.71 2.24 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.98 0.00	30.58 1.95 0.00	32.36 2.17 0.00	35.66 2.52 0.00	43.25 3.20 -3.72	60.12 3.92 -14.10	48.12 3.16 -10.25	41.73 3.12 -4.33	39.19 2.90 -2.15	36.74 2.72 0.00	34.04 2.54 -0.56	31.57 2.23 0.00
ASTORIA___5 23518	29.75 1.42 0.00	28.86 1.21 0.00	28.00 1.18 0.00	28.00 1.13 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.36 2.51 0.00	46.83 3.15 0.00	39.80 2.85 0.00	34.71 2.24 0.00	34.19 2.15 0.00	31.99 2.04 0.00	30.66 2.03 0.00	30.61 1.97 0.00	32.43 2.23 0.00	35.80 2.65 0.00	43.25 3.20 -3.72	60.11 3.92 -14.09	48.11 3.16 -10.24	41.72 3.12 -4.32	39.19 2.90 -2.15	36.81 2.79 0.00	34.07 2.57 -0.56	31.60 2.26 0.00
AST_ENERGY_2_CC3 323677	29.64 1.30 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.95 1.08 0.00	28.35 1.01 0.00	30.20 1.11 0.00	39.32 2.47 0.00	46.78 3.10 0.00	39.73 2.77 0.00	34.61 2.14 0.00	34.10 2.05 0.00	31.93 1.98 0.00	30.57 1.95 0.00	30.55 1.92 0.00	32.33 2.14 0.00	35.66 2.52 0.00	43.10 3.05 -3.72	59.90 3.71 -14.09	47.97 3.02 -10.24	41.62 3.02 -4.32	39.12 2.83 -2.15	36.74 2.72 0.00	33.92 2.42 -0.56	31.45 2.11 0.00
AST_ENERGY_2_CC4 323678	29.64 1.30 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.95 1.08 0.00	28.35 1.01 0.00	30.20 1.11 0.00	39.32 2.47 0.00	46.78 3.10 0.00	39.73 2.77 0.00	34.61 2.14 0.00	34.10 2.05 0.00	31.93 1.98 0.00	30.57 1.95 0.00	30.55 1.92 0.00	32.33 2.14 0.00	35.66 2.52 0.00	43.10 3.05 -3.72	59.90 3.71 -14.09	47.97 3.02 -10.24	41.62 3.02 -4.32	39.12 2.83 -2.15	36.74 2.72 0.00	33.92 2.42 -0.56	31.45 2.11 0.00



ATHENS_STG_1 23668	29.10 0.77 0.00	28.33 0.69 0.00	27.49 0.67 0.00	27.54 0.67 0.00	27.97 0.63 0.00	29.82 0.73 0.00	38.32 1.48 0.00	45.47 1.79 0.00	38.51 1.55 0.00	33.57 1.10 0.00	33.14 1.09 0.00	31.00 1.05 0.00	29.69 1.06 0.00	29.69 1.06 0.00	31.37 1.18 0.00	34.54 1.39 0.00	42.27 1.78 -4.16	60.00 2.10 -15.80	47.88 1.70 -11.47	40.84 1.71 -4.84	38.19 1.64 -2.41	35.62 1.60 0.00	33.00 1.42 -0.63	30.63 1.29 0.00
ATHENS_STG_2 23670	29.10 0.77 0.00	28.33 0.69 0.00	27.49 0.67 0.00	27.54 0.67 0.00	27.97 0.63 0.00	29.82 0.73 0.00	38.32 1.48 0.00	45.47 1.79 0.00	38.51 1.55 0.00	33.57 1.10 0.00	33.14 1.09 0.00	31.00 1.05 0.00	29.69 1.06 0.00	29.69 1.06 0.00	31.37 1.18 0.00	34.54 1.39 0.00	42.27 1.78 -4.16	60.00 2.10 -15.80	47.88 1.70 -11.47	40.84 1.71 -4.84	38.19 1.64 -2.41	35.62 1.60 0.00	33.00 1.42 -0.63	30.63 1.29 0.00
ATHENS_STG_3 23677	29.10 0.77 0.00	28.33 0.69 0.00	27.49 0.67 0.00	27.54 0.67 0.00	27.97 0.63 0.00	29.82 0.73 0.00	38.32 1.48 0.00	45.47 1.79 0.00	38.51 1.55 0.00	33.57 1.10 0.00	33.14 1.09 0.00	31.00 1.05 0.00	29.69 1.06 0.00	29.69 1.06 0.00	31.37 1.18 0.00	34.54 1.39 0.00	42.27 1.78 -4.16	60.00 2.10 -15.80	47.88 1.70 -11.47	40.84 1.71 -4.84	38.19 1.64 -2.41	35.62 1.60 0.00	33.00 1.42 -0.63	30.63 1.29 0.00
AUBURN___LFGE 323710	28.85 0.51 0.00	28.14 0.50 0.00	27.25 0.43 0.00	27.25 0.38 0.00	27.81 0.46 0.00	29.77 0.67 0.00	37.92 1.07 0.00	44.99 1.27 -0.04	37.96 1.00 0.00	33.12 0.65 0.00	32.56 0.51 0.00	30.23 0.27 0.00	28.83 0.20 0.00	28.86 0.23 0.00	30.37 0.18 0.00	33.51 0.36 0.00	37.32 0.51 -0.48	44.59 0.67 -1.81	36.69 0.66 -1.32	35.35 0.51 -0.56	35.24 0.27 -0.82	36.04 0.14 -1.88	31.56 -0.09 -0.71	29.28 -0.06 0.00
BABYLON_RES_REC 323704	38.86 2.46 -8.06	33.88 2.29 -3.94	33.21 2.22 -4.16	32.85 2.18 -3.80	34.28 2.19 -4.75	40.00 2.41 -8.49	46.82 4.05 -5.92	56.96 4.81 -8.47	49.23 4.14 -8.14	40.66 3.28 -4.91	42.39 3.24 -7.11	39.80 3.06 -6.78	38.02 3.00 -6.38	41.47 2.98 -9.86	43.51 3.26 -10.06	53.13 3.74 -16.25	65.69 4.00 -25.36	87.31 4.51 -40.70	71.23 3.68 -32.84	67.73 3.77 -29.68	63.09 3.65 -25.30	54.72 3.64 -17.06	51.43 3.59 -16.90	43.01 3.23 -10.45
BABYLON__69_KV_BK2 356345	39.19 2.66 -8.19	34.25 2.60 -4.01	33.60 2.55 -4.23	33.29 2.55 -3.86	34.69 2.52 -4.83	40.46 2.74 -8.63	47.28 4.42 -6.01	57.80 5.50 -8.61	49.92 4.69 -8.27	41.10 3.64 -4.99	42.80 3.52 -7.23	40.21 3.36 -6.90	38.41 3.29 -6.49	41.95 3.29 -10.03	44.01 3.59 -10.23	53.77 4.11 -16.51	66.85 4.80 -25.72	87.98 5.64 -40.24	71.77 4.62 -32.44	68.07 4.56 -29.23	64.29 4.47 -25.68	55.75 4.39 -17.34	52.07 3.96 -17.17	43.51 3.55 -10.62
BALL_HILL_WT_PWR 323825	28.19 -0.14 0.00	27.45 -0.19 0.00	26.53 -0.29 0.00	26.68 -0.19 0.00	27.21 -0.14 0.00	28.89 -0.20 0.00	35.71 -1.14 0.00	41.14 -2.53 0.01	35.52 -1.44 0.00	30.91 -1.56 0.00	30.22 -1.83 0.00	28.07 -1.89 0.00	26.65 -1.97 0.00	26.74 -1.89 0.00	27.99 -2.20 0.00	29.73 -3.41 0.00	33.11 -3.67 -0.45	39.66 -4.21 -1.77	32.58 -3.37 -1.23	31.31 -3.50 -0.52	30.14 -3.86 0.15	28.43 -4.08 1.51	26.72 -3.81 0.41	26.52 -2.82 0.00
BARON_WINDS___WT_PWR 323822	29.04 0.71 0.00	28.36 0.72 0.00	27.49 0.67 0.00	27.60 0.73 0.00	28.19 0.85 0.00	30.14 1.05 0.00	38.28 1.44 0.00	44.90 1.18 -0.03	38.22 1.26 0.00	33.35 0.88 0.00	32.62 0.58 0.00	30.29 0.33 0.00	28.83 0.20 0.00	28.80 0.17 0.00	30.34 0.15 0.00	32.91 -0.23 0.00	37.07 -0.18 -0.92	45.26 -0.29 -3.45	36.93 -0.31 -2.53	34.80 -0.55 -1.07	34.17 -0.85 -0.88	34.19 -1.05 -1.22	30.31 -1.18 -0.54	28.66 -0.67 0.00
BARRETT_IC_1 23704	38.88 1.84 -8.70	33.64 1.74 -4.26	33.02 1.72 -4.48	32.66 1.69 -4.09	34.13 1.67 -5.12	40.04 1.78 -9.16	46.47 3.24 -6.37	56.61 3.80 -9.13	49.07 3.33 -8.78	40.36 2.60 -5.29	42.24 2.53 -7.66	39.69 2.43 -7.31	37.93 2.43 -6.88	41.63 2.38 -10.63	43.66 2.63 -10.84	53.70 3.05 -17.51	66.82 3.45 -27.04	82.93 3.92 -36.91	67.52 3.19 -29.62	63.61 3.26 -26.08	64.49 3.25 -27.10	55.62 3.20 -18.41	52.10 2.97 -18.19	43.24 2.64 -11.26
BARRETT_IC_10 23701	38.88 1.84 -8.70	33.64 1.74 -4.26	33.02 1.72 -4.48	32.66 1.69 -4.09	34.13 1.67 -5.12	40.04 1.78 -9.16	46.47 3.24 -6.37	56.61 3.80 -9.13	49.07 3.33 -8.78	40.36 2.60 -5.29	42.24 2.53 -7.66	39.69 2.43 -7.31	37.93 2.43 -6.88	41.63 2.38 -10.63	43.66 2.63 -10.84	53.70 3.05 -17.51	66.82 3.45 -27.04	82.93 3.92 -36.91	67.52 3.19 -29.62	63.61 3.26 -26.08	64.49 3.25 -27.10	55.62 3.20 -18.41	52.10 2.97 -18.19	43.24 2.64 -11.26
BARRETT_IC_11 23702	38.88 1.84 -8.70	33.64 1.74 -4.26	33.02 1.72 -4.48	32.66 1.69 -4.09	34.13 1.67 -5.12	40.04 1.78 -9.16	46.47 3.24 -6.37	56.61 3.80 -9.13	49.07 3.33 -8.78	40.36 2.60 -5.29	42.24 2.53 -7.66	39.69 2.43 -7.31	37.93 2.43 -6.88	41.63 2.38 -10.63	43.66 2.63 -10.84	53.70 3.05 -17.51	66.82 3.45 -27.04	82.93 3.92 -36.91	67.52 3.19 -29.62	63.61 3.26 -26.08	64.49 3.25 -27.10	55.62 3.20 -18.41	52.10 2.97 -18.19	43.24 2.64 -11.26
BARRETT_IC_12 23703	38.88 1.84 -8.70	33.64 1.74 -4.26	33.02 1.72 -4.48	32.66 1.69 -4.09	34.13 1.67 -5.12	40.04 1.78 -9.16	46.47 3.24 -6.37	56.61 3.80 -9.13	49.07 3.33 -8.78	40.36 2.60 -5.29	42.24 2.53 -7.66	39.69 2.43 -7.31	37.93 2.43 -6.88	41.63 2.38 -10.63	43.66 2.63 -10.84	53.70 3.05 -17.51	66.82 3.45 -27.04	82.93 3.92 -36.91	67.52 3.19 -29.62	63.61 3.26 -26.08	64.49 3.25 -27.10	55.62 3.20 -18.41	52.10 2.97 -18.19	43.24 2.64 -11.26
BARRETT_IC_2 23705	38.88 1.84 -8.70	33.64 1.74 -4.26	33.02 1.72 -4.48	32.66 1.69 -4.09	34.13 1.67 -5.12	40.04 1.78 -9.16	46.47 3.24 -6.37	56.61 3.80 -9.13	49.07 3.33 -8.78	40.36 2.60 -5.29	42.24 2.53 -7.66	39.69 2.43 -7.31	37.93 2.43 -6.88	41.63 2.38 -10.63	43.66 2.63 -10.84	53.70 3.05 -17.51	66.82 3.45 -27.04	82.93 3.92 -36.91	67.52 3.19 -29.62	63.61 3.26 -26.08	64.49 3.25 -27.10	55.62 3.20 -18.41	52.10 2.97 -18.19	43.24 2.64 -11.26
BARRETT_IC_3 23706	38.88 1.84 -8.70	33.64 1.74 -4.26	33.02 1.72 -4.48	32.66 1.69 -4.09	34.13 1.67 -5.12	40.04 1.78 -9.16	46.47 3.24 -6.37	56.61 3.80 -9.13	49.07 3.33 -8.78	40.36 2.60 -5.29	42.24 2.53 -7.66	39.69 2.43 -7.31	37.93 2.43 -6.88	41.63 2.38 -10.63	43.66 2.63 -10.84	53.70 3.05 -17.51	66.82 3.45 -27.04	82.93 3.92 -36.91	67.52 3.19 -29.62	63.61 3.26 -26.08	64.49 3.25 -27.10	55.62 3.20 -18.41	52.10 2.97 -18.19	43.24 2.64 -11.26
BARRETT_IC_4 23707	38.88 1.84 -8.70	33.64 1.74 -4.26	33.02 1.72 -4.48	32.66 1.69 -4.09	34.13 1.67 -5.12	40.04 1.78 -9.16	46.47 3.24 -6.37	56.61 3.80 -9.13	49.07 3.33 -8.78	40.36 2.60 -5.29	42.24 2.53 -7.66	39.69 2.43 -7.31	37.93 2.43 -6.88	41.63 2.38 -10.63	43.66 2.63 -10.84	53.70 3.05 -17.51	66.82 3.45 -27.04	82.93 3.92 -36.91	67.52 3.19 -29.62	63.61 3.26 -26.08	64.49 3.25 -27.10	55.62 3.20 -18.41	52.10 2.97 -18.19	43.24 2.64 -11.26



BARRETT_IC_5 23708	38.88 1.84 -8.70	33.64 1.74 -4.26	33.02 1.72 -4.48	32.66 1.69 -4.09	34.13 1.67 -5.12	40.04 1.78 -9.16	46.47 3.24 -6.37	56.61 3.80 -9.13	49.07 3.33 -8.78	40.36 2.60 -5.29	42.24 2.53 -7.66	39.69 2.43 -7.31	37.93 2.43 -6.88	41.63 2.38 -10.63	43.66 2.63 -10.84	53.70 3.05 -17.51	66.82 3.45 -27.04	82.93 3.92 -36.91	67.52 3.19 -29.62	63.61 3.26 -26.08	64.49 3.25 -27.10	55.62 3.20 -18.41	52.10 2.97 -18.19	43.24 2.64 -11.26
BARRETT_IC_6 23709	38.88 1.84 -8.70	33.64 1.74 -4.26	33.02 1.72 -4.48	32.66 1.69 -4.09	34.13 1.67 -5.12	40.04 1.78 -9.16	46.47 3.24 -6.37	56.61 3.80 -9.13	49.07 3.33 -8.78	40.36 2.60 -5.29	42.24 2.53 -7.66	39.69 2.43 -7.31	37.93 2.43 -6.88	41.63 2.38 -10.63	43.66 2.63 -10.84	53.70 3.05 -17.51	66.82 3.45 -27.04	82.93 3.92 -36.91	67.52 3.19 -29.62	63.61 3.26 -26.08	64.49 3.25 -27.10	55.62 3.20 -18.41	52.10 2.97 -18.19	43.24 2.64 -11.26
BARRETT_IC_7 23710	38.82 1.79 -8.70	33.61 1.71 -4.26	32.99 1.69 -4.48	32.69 1.72 -4.09	34.13 1.67 -5.12	40.06 1.80 -9.16	46.32 3.10 -6.37	56.74 3.93 -9.13	49.10 3.36 -8.78	40.42 2.66 -5.29	42.27 2.56 -7.66	39.75 2.49 -7.31	37.96 2.46 -6.88	41.69 2.43 -10.63	43.69 2.66 -10.84	53.64 2.98 -17.51	66.93 3.56 -27.04	83.11 4.08 -36.92	67.70 3.37 -29.62	63.75 3.39 -26.08	64.52 3.28 -27.11	55.59 3.16 -18.41	52.13 3.00 -18.19	43.26 2.67 -11.26
BARRETT_IC_8 23711	38.88 1.84 -8.70	33.64 1.74 -4.26	33.02 1.72 -4.48	32.66 1.69 -4.09	34.13 1.67 -5.12	40.04 1.78 -9.16	46.47 3.24 -6.37	56.61 3.80 -9.13	49.07 3.33 -8.78	40.36 2.60 -5.29	42.24 2.53 -7.66	39.69 2.43 -7.31	37.93 2.43 -6.88	41.63 2.38 -10.63	43.66 2.63 -10.84	53.70 3.05 -17.51	66.82 3.45 -27.04	82.93 3.92 -36.91	67.52 3.19 -29.62	63.61 3.26 -26.08	64.49 3.25 -27.10	55.62 3.20 -18.41	52.10 2.97 -18.19	43.24 2.64 -11.26
BARRETT_IC_9 23700	38.88 1.84 -8.70	33.64 1.74 -4.26	33.02 1.72 -4.48	32.66 1.69 -4.09	34.13 1.67 -5.12	40.04 1.78 -9.16	46.47 3.24 -6.37	56.61 3.80 -9.13	49.07 3.33 -8.78	40.36 2.60 -5.29	42.24 2.53 -7.66	39.69 2.43 -7.31	37.93 2.43 -6.88	41.63 2.38 -10.63	43.66 2.63 -10.84	53.70 3.05 -17.51	66.82 3.45 -27.04	82.93 3.92 -36.91	67.52 3.19 -29.62	63.61 3.26 -26.08	64.49 3.25 -27.10	55.62 3.20 -18.41	52.10 2.97 -18.19	43.24 2.64 -11.26
BARRETT___1 23545	38.88 1.84 -8.70	33.64 1.74 -4.26	33.02 1.72 -4.48	32.66 1.69 -4.09	34.13 1.67 -5.12	40.04 1.78 -9.16	46.47 3.24 -6.37	56.61 3.80 -9.13	49.07 3.33 -8.78	40.36 2.60 -5.29	42.24 2.53 -7.66	39.69 2.43 -7.31	37.93 2.43 -6.88	41.63 2.38 -10.63	43.66 2.63 -10.84	53.70 3.05 -17.51	66.82 3.45 -27.04	82.93 3.92 -36.91	67.52 3.19 -29.62	63.61 3.26 -26.08	64.49 3.25 -27.10	55.62 3.20 -18.41	52.10 2.97 -18.19	43.24 2.64 -11.26
BARRETT___2 23546	38.88 1.84 -8.70	33.64 1.74 -4.26	33.02 1.72 -4.48	32.66 1.69 -4.09	34.13 1.67 -5.12	40.04 1.78 -9.16	46.47 3.24 -6.37	56.61 3.80 -9.13	49.07 3.33 -8.78	40.36 2.60 -5.29	42.24 2.53 -7.66	39.69 2.43 -7.31	37.93 2.43 -6.88	41.63 2.38 -10.63	43.66 2.63 -10.84	53.70 3.05 -17.51	66.82 3.45 -27.04	82.93 3.92 -36.91	67.52 3.19 -29.62	63.61 3.26 -26.08	64.49 3.25 -27.10	55.62 3.20 -18.41	52.10 2.97 -18.19	43.24 2.64 -11.26
BATAVIA__115KV_TB1 55881	28.31 -0.03 0.00	27.50 -0.14 0.00	26.53 -0.30 0.00	26.52 -0.35 0.00	27.15 -0.19 0.00	29.01 -0.09 0.00	36.19 -0.66 0.00	42.35 -1.31 0.02	36.22 -0.74 0.00	31.37 -1.10 0.00	30.89 -1.15 0.00	28.43 -1.53 0.00	27.05 -1.57 0.00	27.14 -1.49 0.00	28.41 -1.78 0.00	31.45 -1.69 0.00	34.36 -2.36 -0.39	40.42 -3.24 -1.56	33.28 -2.50 -1.07	32.06 -2.67 -0.45	30.87 -3.04 0.24	29.14 -3.16 1.71	27.34 -3.09 0.51	26.78 -2.55 0.00
BAYONEEC___CTG1 323682	29.67 1.33 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.95 1.08 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.36 2.51 0.00	46.83 3.15 0.00	39.77 2.81 0.00	34.65 2.18 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.97 0.00	30.58 1.95 0.00	32.37 2.18 0.00	35.73 2.59 0.00	43.10 3.05 -3.72	59.94 3.75 -14.09	47.97 3.02 -10.24	41.62 3.02 -4.32	39.16 2.87 -2.15	36.78 2.75 0.00	33.95 2.44 -0.56	31.48 2.14 0.00
BAYONEEC___CTG10 323750	29.67 1.33 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.95 1.08 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.36 2.51 0.00	46.83 3.15 0.00	39.77 2.81 0.00	34.65 2.18 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.97 0.00	30.58 1.95 0.00	32.37 2.18 0.00	35.73 2.59 0.00	43.10 3.05 -3.72	59.94 3.75 -14.09	47.97 3.02 -10.24	41.62 3.02 -4.32	39.16 2.87 -2.15	36.78 2.75 0.00	33.95 2.44 -0.56	31.48 2.14 0.00
BAYONEEC___CTG2 323683	29.67 1.33 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.95 1.08 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.36 2.51 0.00	46.83 3.15 0.00	39.77 2.81 0.00	34.65 2.18 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.97 0.00	30.58 1.95 0.00	32.37 2.18 0.00	35.73 2.59 0.00	43.10 3.05 -3.72	59.94 3.75 -14.09	47.97 3.02 -10.24	41.62 3.02 -4.32	39.16 2.87 -2.15	36.78 2.75 0.00	33.95 2.44 -0.56	31.48 2.14 0.00
BAYONEEC___CTG3 323684	29.67 1.33 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.95 1.08 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.36 2.51 0.00	46.83 3.15 0.00	39.77 2.81 0.00	34.65 2.18 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.97 0.00	30.58 1.95 0.00	32.37 2.18 0.00	35.73 2.59 0.00	43.10 3.05 -3.72	59.94 3.75 -14.09	47.97 3.02 -10.24	41.62 3.02 -4.32	39.16 2.87 -2.15	36.78 2.75 0.00	33.95 2.44 -0.56	31.48 2.14 0.00
BAYONEEC___CTG4 323685	29.67 1.33 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.95 1.08 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.36 2.51 0.00	46.83 3.15 0.00	39.77 2.81 0.00	34.65 2.18 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.97 0.00	30.58 1.95 0.00	32.37 2.18 0.00	35.73 2.59 0.00	43.10 3.05 -3.72	59.94 3.75 -14.09	47.97 3.02 -10.24	41.62 3.02 -4.32	39.16 2.87 -2.15	36.78 2.75 0.00	33.95 2.44 -0.56	31.48 2.14 0.00
BAYONEEC___CTG5 323686	29.67 1.33 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.95 1.08 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.36 2.51 0.00	46.83 3.15 0.00	39.77 2.81 0.00	34.65 2.18 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.97 0.00	30.58 1.95 0.00	32.37 2.18 0.00	35.73 2.59 0.00	43.10 3.05 -3.72	59.94 3.75 -14.09	47.97 3.02 -10.24	41.62 3.02 -4.32	39.16 2.87 -2.15	36.78 2.75 0.00	33.95 2.44 -0.56	31.48 2.14 0.00
BAYONEEC___CTG6 323687	29.67 1.33 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.95 1.08 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.36 2.51 0.00	46.83 3.15 0.00	39.77 2.81 0.00	34.65 2.18 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.97 0.00	30.58 1.95 0.00	32.37 2.18 0.00	35.73 2.59 0.00	43.10 3.05 -3.72	59.94 3.75 -14.09	47.97 3.02 -10.24	41.62 3.02 -4.32	39.16 2.87 -2.15	36.78 2.75 0.00	33.95 2.44 -0.56	31.48 2.14 0.00



BAYONEEC___CTG7 323688	29.67 1.33 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.95 1.08 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.36 2.51 0.00	46.83 3.15 0.00	39.77 2.81 0.00	34.65 2.18 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.97 0.00	30.58 1.95 0.00	32.37 2.18 0.00	35.73 2.59 0.00	43.10 3.05 -3.72	59.94 3.75 -14.09	47.97 3.02 -10.24	41.62 3.02 -4.32	39.16 2.87 -2.15	36.78 2.75 0.00	33.95 2.44 -0.56	31.48 2.14 0.00
BAYONEEC___CTG8 323689	29.67 1.33 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.95 1.08 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.36 2.51 0.00	46.83 3.15 0.00	39.77 2.81 0.00	34.65 2.18 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.97 0.00	30.58 1.95 0.00	32.37 2.18 0.00	35.73 2.59 0.00	43.10 3.05 -3.72	59.94 3.75 -14.09	47.97 3.02 -10.24	41.62 3.02 -4.32	39.16 2.87 -2.15	36.78 2.75 0.00	33.95 2.44 -0.56	31.48 2.14 0.00
BAYONEEC___CTG9 323749	29.67 1.33 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.95 1.08 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.36 2.51 0.00	46.83 3.15 0.00	39.77 2.81 0.00	34.65 2.18 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.97 0.00	30.58 1.95 0.00	32.37 2.18 0.00	35.73 2.59 0.00	43.10 3.05 -3.72	59.94 3.75 -14.09	47.97 3.02 -10.24	41.62 3.02 -4.32	39.16 2.87 -2.15	36.78 2.75 0.00	33.95 2.44 -0.56	31.48 2.14 0.00
BEACON___LESR 323632	29.19 0.85 0.00	28.47 0.83 0.00	27.70 0.88 0.00	27.79 0.91 0.00	28.19 0.85 0.00	29.97 0.87 0.00	38.47 1.62 0.00	45.65 1.97 0.00	38.58 1.62 0.00	33.61 1.14 0.00	33.29 1.25 0.00	31.18 1.23 0.00	29.83 1.20 0.00	29.86 1.23 0.00	31.52 1.33 0.00	34.67 1.53 0.00	42.82 1.89 -4.60	61.75 2.19 -17.46	49.20 1.80 -12.68	41.31 1.68 -5.35	38.51 1.71 -2.67	35.65 1.63 0.00	33.16 1.52 -0.70	30.89 1.55 0.00
BEAVER RIVER___HYD 24048	28.17 -0.17 0.00	27.53 -0.11 0.00	26.69 -0.13 0.00	26.74 -0.13 0.00	27.21 -0.14 0.00	28.95 -0.14 0.00	36.74 -0.11 0.00	43.64 -0.04 0.00	36.70 -0.26 0.00	31.95 -0.52 0.00	31.34 -0.71 0.00	29.03 -0.93 0.00	27.71 -0.92 0.00	27.69 -0.94 0.00	29.16 -1.03 0.00	32.12 -1.03 0.00	35.71 -0.76 -0.15	41.98 -0.68 -0.56	34.53 -0.59 -0.40	33.90 -0.55 -0.17	33.58 -0.65 -0.08	33.37 -0.65 0.00	30.28 -0.68 -0.02	28.63 -0.70 0.00
BEEBEE_GT_13 23619	27.97 -0.37 0.00	27.23 -0.41 0.00	26.31 -0.51 0.00	26.28 -0.59 0.00	26.85 -0.49 0.00	28.69 -0.41 0.00	36.04 -0.81 0.00	42.31 -1.35 0.02	36.00 -0.96 0.00	31.33 -1.14 0.00	30.89 -1.15 0.00	28.61 -1.35 0.00	27.25 -1.37 0.00	27.31 -1.32 0.00	28.65 -1.54 0.00	31.62 -1.52 0.00	34.83 -1.93 -0.43	41.57 -2.19 -1.65	34.25 -1.63 -1.17	32.96 -1.82 -0.50	31.84 -2.08 0.22	30.20 -2.18 1.64	28.33 -2.14 0.48	27.34 -1.99 0.00
BENSHRST_27_KV_BENSHRST_1 355998	29.81 1.47 0.00	28.97 1.33 0.00	28.11 1.29 0.00	28.13 1.26 0.00	28.49 1.15 0.00	30.32 1.22 0.00	39.54 2.69 0.00	47.22 3.54 0.00	40.03 3.07 0.00	34.97 2.50 0.00	34.35 2.31 0.00	32.17 2.22 0.00	30.77 2.15 0.00	30.75 2.12 0.00	32.58 2.39 0.00	35.90 2.75 0.00	43.57 3.52 -3.72	60.54 4.34 -14.10	48.50 3.54 -10.25	42.07 3.46 -4.33	39.47 3.18 -2.15	37.01 2.99 0.00	34.26 2.75 -0.56	31.77 2.43 0.00
BETHLEHEM___GRP 23843	28.87 0.54 0.00	28.14 0.50 0.00	27.41 0.59 0.00	27.49 0.62 0.00	27.89 0.55 0.00	29.42 0.32 0.00	37.55 0.70 0.00	44.60 0.92 0.00	37.70 0.74 0.00	32.83 0.36 0.00	32.56 0.51 0.00	30.55 0.60 0.00	29.26 0.63 0.00	29.29 0.66 0.00	30.89 0.69 0.00	33.81 0.66 0.00	41.99 1.05 -4.61	60.77 1.18 -17.49	48.38 0.97 -12.70	40.60 0.96 -5.36	37.73 0.92 -2.67	34.87 0.85 0.00	32.57 0.93 -0.70	30.36 1.03 0.00
BETHLEHEM___GS1 323560	28.68 0.34 0.00	27.97 0.33 0.00	27.22 0.40 0.00	27.30 0.43 0.00	27.70 0.35 0.00	29.39 0.29 0.00	37.59 0.74 0.00	44.60 0.92 0.00	37.70 0.74 0.00	32.83 0.36 0.00	32.59 0.54 0.00	30.55 0.60 0.00	29.28 0.66 0.00	29.32 0.69 0.00	30.89 0.69 0.00	33.97 0.83 0.00	41.99 1.05 -4.61	60.76 1.18 -17.48	48.38 0.97 -12.69	40.57 0.93 -5.36	37.73 0.92 -2.67	34.94 0.92 0.00	32.54 0.90 -0.70	30.36 1.03 0.00
BETHLEHEM___GS2 323561	28.68 0.34 0.00	27.97 0.33 0.00	27.22 0.40 0.00	27.30 0.43 0.00	27.70 0.35 0.00	29.39 0.29 0.00	37.59 0.74 0.00	44.60 0.92 0.00	37.70 0.74 0.00	32.83 0.36 0.00	32.59 0.54 0.00	30.55 0.60 0.00	29.28 0.66 0.00	29.32 0.69 0.00	30.89 0.69 0.00	33.97 0.83 0.00	41.99 1.05 -4.61	60.76 1.18 -17.48	48.38 0.97 -12.69	40.57 0.93 -5.36	37.73 0.92 -2.67	34.94 0.92 0.00	32.54 0.90 -0.70	30.36 1.03 0.00
BETHLEHEM___GS3 323562	28.68 0.34 0.00	27.97 0.33 0.00	27.22 0.40 0.00	27.30 0.43 0.00	27.70 0.35 0.00	29.39 0.29 0.00	37.59 0.74 0.00	44.60 0.92 0.00	37.70 0.74 0.00	32.83 0.36 0.00	32.59 0.54 0.00	30.55 0.60 0.00	29.28 0.66 0.00	29.32 0.69 0.00	30.89 0.69 0.00	33.97 0.83 0.00	41.99 1.05 -4.61	60.76 1.18 -17.48	48.38 0.97 -12.69	40.57 0.93 -5.36	37.73 0.92 -2.67	34.94 0.92 0.00	32.54 0.90 -0.70	30.36 1.03 0.00
BETHLEHEM___STEEL 23779	28.11 -0.23 0.00	27.31 -0.33 0.00	26.34 -0.48 0.00	26.39 -0.48 0.00	27.01 -0.33 0.00	28.78 -0.32 0.00	35.74 -1.11 0.00	40.57 -3.10 0.01	35.33 -1.63 0.00	30.68 -1.79 0.00	30.25 -1.79 0.00	27.92 -2.04 0.00	26.59 -2.03 0.00	26.66 -1.98 0.00	27.84 -2.35 0.00	30.69 -2.45 0.00	32.75 -3.96 -0.38	39.03 -4.59 -1.52	32.09 -3.64 -1.02	30.98 -3.74 -0.44	29.84 -4.10 0.21	28.22 -4.18 1.61	26.53 -3.96 0.45	26.34 -2.99 0.00
BETHLHEM_115KV_TB1 79974	28.90 0.57 0.00	28.17 0.53 0.00	27.44 0.62 0.00	27.49 0.62 0.00	27.92 0.57 0.00	29.50 0.41 0.00	37.62 0.77 0.00	44.73 1.05 0.00	37.77 0.81 0.00	32.92 0.45 0.00	32.62 0.58 0.00	30.61 0.66 0.00	29.31 0.69 0.00	29.35 0.72 0.00	30.95 0.75 0.00	33.91 0.76 0.00	42.06 1.13 -4.61	60.84 1.26 -17.48	48.48 1.08 -12.69	40.67 1.03 -5.36	37.80 0.99 -2.67	34.94 0.92 0.00	32.63 0.99 -0.70	30.36 1.03 0.00
BETHPAGE_CC_5 323564	38.43 2.21 -7.88	33.57 2.07 -3.85	32.87 1.98 -4.07	32.55 1.96 -3.71	33.93 1.94 -4.65	39.52 2.12 -8.30	46.13 3.50 -5.78	56.07 4.10 -8.28	48.54 3.62 -7.96	40.16 2.89 -4.80	41.82 2.82 -6.96	39.29 2.70 -6.63	37.56 2.69 -6.24	40.94 2.66 -9.64	42.89 2.87 -9.83	52.28 3.25 -15.88	64.95 3.74 -24.87	88.55 4.42 -42.02	72.28 3.61 -33.96	68.79 3.56 -30.94	62.36 3.45 -24.78	54.13 3.43 -16.68	50.63 3.16 -16.53	42.43 2.88 -10.21
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	28.28 -0.06 0.00	27.48 -0.17 0.00	26.50 -0.32 0.00	26.52 -0.35 0.00	27.18 -0.16 0.00	28.95 -0.15 0.00	36.00 -0.85 0.00	40.70 -2.97 0.01	35.59 -1.37 0.00	30.88 -1.59 0.00	30.44 -1.60 0.00	28.10 -1.86 0.00	26.74 -1.89 0.00	26.80 -1.83 0.00	28.02 -2.17 0.00	30.86 -2.29 0.00	32.87 -3.85 -0.39	39.20 -4.46 -1.56	32.20 -3.58 -1.06	31.10 -3.63 -0.45	29.92 -4.03 0.19	28.37 -4.08 1.57	26.58 -3.93 0.43	26.52 -2.82 0.00



BINGHAMTON___COGEN 23790	28.73 0.40 0.00	28.00 0.36 0.00	27.14 0.32 0.00	27.17 0.30 0.00	27.70 0.36 0.00	29.56 0.47 0.00	37.70 0.85 0.00	44.40 0.70 -0.02	37.70 0.74 0.00	32.89 0.42 0.00	32.37 0.32 0.00	30.17 0.21 0.00	28.80 0.17 0.00	28.80 0.17 0.00	30.34 0.15 0.00	33.38 0.23 0.00	37.72 0.15 -1.24	46.99 0.21 -4.68	38.30 0.17 -3.42	35.83 0.10 -1.44	34.88 -0.07 -0.81	34.19 -0.17 -0.34	30.96 -0.28 -0.30	29.28 -0.06 0.00
BIXINCNT_115KV_LOAD 355685	28.82 0.48 0.00	28.00 0.36 0.00	27.01 0.19 0.00	27.06 0.19 0.00	27.75 0.41 0.00	29.62 0.52 0.00	37.03 0.18 0.00	41.49 -2.18 0.01	36.44 -0.52 0.00	31.56 -0.91 0.00	31.12 -0.93 0.00	28.52 -1.44 0.00	26.88 -1.75 0.00	27.00 -1.63 0.00	28.38 -1.81 0.00	31.22 -1.92 0.00	33.18 -3.60 -0.44	39.61 -4.21 -1.72	32.27 -3.64 -1.20	31.12 -3.67 -0.51	30.03 -3.99 0.12	28.50 -4.15 1.37	26.49 -4.08 0.37	26.61 -2.73 0.00
BLACK RIVER___HYD 24047	28.11 -0.23 0.00	27.50 -0.14 0.00	26.63 -0.19 0.00	26.68 -0.19 0.00	27.15 -0.19 0.00	28.92 -0.17 0.00	36.89 0.04 0.00	43.86 0.18 0.00	36.81 -0.15 0.00	32.05 -0.42 0.00	31.44 -0.61 0.00	29.09 -0.87 0.00	27.77 -0.86 0.00	27.71 -0.92 0.00	29.22 -0.97 0.00	32.18 -0.96 0.00	36.13 -0.40 -0.20	42.70 -0.17 -0.76	35.06 -0.21 -0.55	34.31 -0.20 -0.23	33.88 -0.37 -0.12	33.58 -0.44 0.00	30.42 -0.56 -0.03	28.72 -0.62 0.00
BLACKRVR_115KV_TB2 79977	28.11 -0.23 0.00	27.50 -0.14 0.00	26.63 -0.19 0.00	26.66 -0.21 0.00	27.15 -0.19 0.00	28.95 -0.15 0.00	36.92 0.07 0.00	43.86 0.17 0.00	36.85 -0.11 0.00	32.05 -0.42 0.00	31.44 -0.61 0.00	29.09 -0.87 0.00	27.77 -0.86 0.00	27.74 -0.89 0.00	29.22 -0.97 0.00	32.22 -0.93 0.00	36.13 -0.40 -0.20	42.69 -0.17 -0.76	35.05 -0.21 -0.55	34.34 -0.17 -0.23	33.88 -0.38 -0.12	33.61 -0.41 0.00	30.38 -0.59 -0.03	28.72 -0.62 0.00
BLISS_WT_PWR 323608	28.73 0.40 0.00	27.97 0.33 0.00	27.01 0.19 0.00	27.20 0.32 0.00	27.83 0.49 0.00	29.59 0.49 0.00	36.70 -0.15 0.00	41.71 -1.96 0.01	36.37 -0.59 0.00	31.53 -0.94 0.00	30.86 -1.19 0.00	28.34 -1.62 0.00	26.62 -2.00 0.00	26.80 -1.83 0.00	28.23 -1.96 0.00	29.67 -3.48 0.00	33.05 -3.78 -0.49	39.56 -4.46 -1.92	32.21 -3.85 -1.35	30.95 -3.91 -0.57	29.82 -4.23 0.09	28.13 -4.52 1.36	26.18 -4.39 0.36	26.34 -2.99 0.00
BLUESTONE___WT_PWR 323821	30.43 2.10 0.00	29.74 2.10 0.00	28.81 1.98 0.00	28.86 1.99 0.00	29.39 2.05 0.00	31.51 2.41 0.00	40.57 3.72 0.00	48.11 4.41 -0.01	40.65 3.70 0.00	35.39 2.92 0.00	34.55 2.50 0.00	31.99 2.04 0.00	30.57 1.95 0.00	30.47 1.83 0.00	32.09 1.90 0.00	35.30 2.15 0.00	40.74 3.09 -1.32	50.84 3.75 -4.99	41.34 2.99 -3.64	38.73 2.91 -1.54	37.58 2.56 -0.88	36.77 2.35 -0.40	33.10 1.83 -0.33	31.16 1.82 0.00
BLUE_CIRC_CHEM_DRP 24182	29.24 0.91 0.00	28.47 0.83 0.00	27.71 0.89 0.00	27.79 0.91 0.00	28.22 0.87 0.00	29.88 0.79 0.00	38.14 1.29 0.00	45.26 1.57 0.00	38.25 1.29 0.00	33.31 0.84 0.00	32.94 0.90 0.00	30.85 0.90 0.00	29.51 0.89 0.00	29.55 0.92 0.00	31.19 1.00 0.00	34.24 1.09 0.00	42.36 1.49 -4.54	61.01 1.68 -17.22	48.64 1.42 -12.50	40.93 1.37 -5.28	38.14 1.37 -2.63	35.31 1.29 0.00	32.90 1.27 -0.69	30.60 1.26 0.00
BOC_GAS_DRP 24189	28.90 0.57 0.00	28.17 0.53 0.00	27.38 0.56 0.00	27.44 0.56 0.00	27.86 0.52 0.00	29.59 0.49 0.00	37.84 0.99 0.00	44.91 1.22 0.00	37.99 1.03 0.00	33.12 0.65 0.00	32.75 0.70 0.00	30.67 0.72 0.00	29.37 0.74 0.00	29.38 0.74 0.00	31.01 0.82 0.00	34.04 0.89 0.00	42.20 1.27 -4.59	60.96 1.43 -17.42	48.58 1.21 -12.65	40.79 1.17 -5.34	37.93 1.13 -2.66	35.08 1.05 0.00	32.66 1.02 -0.70	30.33 1.00 0.00
BOONVILLE_115KV_TB1 79983	28.90 0.57 0.00	28.22 0.58 0.00	27.36 0.54 0.00	27.41 0.54 0.00	27.89 0.55 0.00	29.80 0.70 0.00	37.99 1.14 0.00	45.08 1.40 0.00	37.99 1.03 0.00	33.09 0.62 0.00	32.46 0.42 0.00	30.14 0.18 0.00	28.80 0.17 0.00	28.75 0.11 0.00	30.31 0.12 0.00	33.41 0.27 0.00	37.12 0.65 -0.13	43.52 0.93 -0.49	35.77 0.69 -0.36	35.15 0.72 -0.15	34.80 0.58 -0.08	34.57 0.54 0.00	31.30 0.34 -0.02	29.63 0.29 0.00
BORALEX_4TH_BRANCH 23824	29.47 1.13 0.00	28.64 1.00 0.00	27.81 0.99 0.00	27.89 1.02 0.00	28.33 0.98 0.00	30.26 1.16 0.00	39.02 2.17 0.00	46.52 2.84 0.00	39.18 2.22 0.00	33.87 1.40 0.00	33.49 1.44 0.00	31.39 1.44 0.00	30.06 1.43 0.00	30.12 1.49 0.00	31.79 1.60 0.00	35.00 1.86 0.00	43.50 2.58 -4.59	62.50 2.99 -17.41	49.85 2.50 -12.64	42.02 2.40 -5.34	39.15 2.36 -2.66	36.27 2.25 0.00	33.78 2.14 -0.70	31.24 1.91 0.00
BOWLINE___1 23526	29.44 1.10 0.00	28.61 0.97 0.00	27.76 0.94 0.00	27.79 0.91 0.00	28.19 0.85 0.00	30.11 1.02 0.00	39.02 2.17 0.00	46.39 2.71 0.00	39.29 2.33 0.00	34.19 1.72 0.00	33.71 1.67 0.00	31.60 1.65 0.00	30.23 1.60 0.00	30.21 1.57 0.00	31.97 1.78 0.00	35.27 2.12 0.00	42.55 2.62 -3.60	58.95 3.20 -13.65	47.24 2.60 -9.92	41.04 2.57 -4.19	38.68 2.46 -2.08	36.40 2.38 0.00	33.62 2.13 -0.55	31.22 1.88 0.00
BOWLINE___2 23595	29.44 1.10 0.00	28.61 0.97 0.00	27.76 0.94 0.00	27.79 0.91 0.00	28.19 0.85 0.00	30.11 1.02 0.00	39.02 2.17 0.00	46.39 2.71 0.00	39.29 2.33 0.00	34.19 1.72 0.00	33.71 1.67 0.00	31.60 1.65 0.00	30.23 1.60 0.00	30.21 1.57 0.00	31.97 1.78 0.00	35.27 2.12 0.00	42.55 2.62 -3.60	58.96 3.20 -13.65	47.24 2.60 -9.92	41.04 2.57 -4.19	38.68 2.46 -2.08	36.40 2.38 0.00	33.62 2.13 -0.55	31.22 1.88 0.00
BRADY___115KV_TB2 356060	28.90 0.57 0.00	28.25 0.61 0.00	27.41 0.59 0.00	27.44 0.56 0.00	28.00 0.66 0.00	29.62 0.52 0.00	36.66 -0.18 0.00	43.38 -0.31 0.00	36.74 -0.22 0.00	32.63 0.16 0.00	32.24 0.19 0.00	30.20 0.24 0.00	28.86 0.23 0.00	28.80 0.17 0.00	30.31 0.12 0.00	33.11 -0.03 0.00	36.01 -0.33 0.00	41.72 -0.38 0.00	34.33 -0.38 0.00	33.97 -0.31 0.00	34.00 -0.14 0.00	34.05 0.03 0.00	30.97 0.03 0.00	29.51 0.18 0.00
BRANSCOMB___SOLAR 323811	29.33 0.99 0.00	28.53 0.88 0.00	27.79 0.96 0.00	27.84 0.97 0.00	28.33 0.98 0.00	30.20 1.11 0.00	38.87 2.03 0.00	46.17 2.49 0.00	38.88 1.92 0.00	33.73 1.27 0.00	33.33 1.28 0.00	31.12 1.17 0.00	29.74 1.12 0.00	29.75 1.12 0.00	31.49 1.30 0.00	34.70 1.56 0.00	43.12 2.07 -4.72	62.42 2.40 -17.92	49.74 2.01 -13.01	41.66 1.88 -5.49	38.75 1.88 -2.74	35.86 1.84 0.00	33.27 1.61 -0.72	30.86 1.52 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	39.26 2.55 -8.37	34.22 2.49 -4.09	33.58 2.44 -4.32	33.29 2.47 -3.95	34.71 2.43 -4.94	40.53 2.62 -8.81	47.30 4.31 -6.14	57.85 5.37 -8.79	49.99 4.58 -8.45	41.11 3.54 -5.10	42.83 3.40 -7.39	40.27 3.27 -7.04	38.46 3.21 -6.63	42.08 3.21 -10.24	44.14 3.50 -10.44	54.02 4.01 -16.87	67.14 4.61 -26.19	86.45 5.39 -38.96	70.48 4.41 -31.36	66.65 4.35 -28.02	64.70 4.37 -26.18	55.95 4.22 -17.72	52.34 3.87 -17.53	43.64 3.46 -10.85



BRISTLHL_115KV_TB1 79998	27.71 -0.62 0.00	27.06 -0.58 0.00	26.23 -0.59 0.00	26.25 -0.62 0.00	26.71 -0.63 0.00	28.49 -0.61 0.00	36.22 -0.63 0.00	43.04 -0.66 -0.01	36.33 -0.63 0.00	31.76 -0.71 0.00	31.28 -0.77 0.00	29.15 -0.81 0.00	27.82 -0.80 0.00	27.86 -0.77 0.00	29.38 -0.82 0.00	32.32 -0.83 0.00	35.88 -0.76 -0.31	42.42 -0.84 -1.16	34.90 -0.66 -0.84	33.92 -0.72 -0.36	33.47 -0.85 -0.18	33.10 -0.92 0.00	30.09 -0.90 -0.05	28.46 -0.88 0.00
BROOKHAVEN___DRP 24191	39.39 2.64 -8.42	34.36 2.60 -4.12	33.77 2.60 -4.34	33.45 2.61 -3.97	34.88 2.57 -4.97	40.67 2.71 -8.87	47.63 4.61 -6.18	58.21 5.68 -8.85	50.15 4.69 -8.50	41.07 3.47 -5.13	42.90 3.43 -7.43	40.25 3.21 -7.09	38.50 3.21 -6.67	42.17 3.24 -10.30	44.23 3.53 -10.51	54.16 4.04 -16.97	67.49 4.83 -26.33	86.48 5.73 -38.65	70.46 4.65 -31.09	66.63 4.63 -27.73	64.94 4.47 -26.33	56.13 4.29 -17.82	52.47 3.90 -17.63	43.80 3.55 -10.91
BROOKLYN_NAVY_YARD 23515	29.64 1.30 0.00	28.80 1.16 0.00	27.92 1.10 0.00	27.95 1.08 0.00	28.33 0.98 0.00	30.20 1.11 0.00	39.39 2.54 0.00	46.87 3.19 0.00	39.84 2.88 0.00	34.71 2.24 0.00	34.19 2.15 0.00	31.99 2.04 0.00	30.63 2.00 0.00	30.61 1.97 0.00	32.39 2.20 0.00	35.76 2.62 0.00	43.21 3.16 -3.72	60.06 3.87 -14.09	48.11 3.16 -10.24	41.72 3.12 -4.32	39.23 2.94 -2.15	36.81 2.79 0.00	33.98 2.48 -0.56	31.48 2.14 0.00
BROOKLYN___ARMY_DRP 323595	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00
BROOKVLE_69_KV_TB1 55790	36.49 1.84 -6.31	32.47 1.74 -3.09	31.79 1.72 -3.26	31.55 1.72 -2.96	32.69 1.64 -3.71	37.56 1.83 -6.63	44.68 3.21 -4.63	54.28 3.98 -6.62	46.73 3.40 -6.37	39.07 2.76 -3.84	40.24 2.63 -5.57	37.78 2.52 -5.31	36.11 2.49 -4.99	38.81 2.46 -7.71	40.74 2.69 -7.87	48.86 3.02 -12.70	60.67 3.71 -20.63	98.27 4.42 -51.74	80.53 3.61 -42.21	78.02 3.53 -40.20	57.80 3.41 -20.24	50.63 3.27 -13.34	47.25 2.97 -13.34	40.20 2.70 -8.17
BROOME_2_LFGE 323671	28.73 0.40 0.00	28.03 0.39 0.00	27.14 0.32 0.00	27.22 0.35 0.00	27.72 0.38 0.00	29.56 0.46 0.00	37.62 0.78 0.00	44.40 0.70 -0.02	37.70 0.74 0.00	32.89 0.42 0.00	32.33 0.29 0.00	30.17 0.21 0.00	28.77 0.14 0.00	28.80 0.17 0.00	30.34 0.15 0.00	33.15 0.00 0.00	37.70 0.15 -1.23	46.94 0.21 -4.63	38.27 0.17 -3.38	35.78 0.07 -1.43	34.84 -0.10 -0.80	34.15 -0.20 -0.34	30.93 -0.31 -0.29	29.28 -0.06 0.00
BROOME___LFGE 323600	28.73 0.40 0.00	28.03 0.39 0.00	27.14 0.32 0.00	27.22 0.35 0.00	27.72 0.38 0.00	29.56 0.46 0.00	37.62 0.78 0.00	44.40 0.70 -0.02	37.70 0.74 0.00	32.89 0.42 0.00	32.33 0.29 0.00	30.17 0.21 0.00	28.77 0.14 0.00	28.80 0.17 0.00	30.34 0.15 0.00	33.15 0.00 0.00	37.70 0.15 -1.23	46.94 0.21 -4.63	38.27 0.17 -3.38	35.78 0.07 -1.43	34.84 -0.10 -0.80	34.15 -0.20 -0.34	30.93 -0.31 -0.29	29.28 -0.06 0.00
BROWNFLS_115KV_TB_3_5 80003	28.11 -0.23 0.00	27.50 -0.14 0.00	26.66 -0.16 0.00	26.71 -0.16 0.00	27.18 -0.16 0.00	28.75 -0.35 0.00	36.04 -0.81 0.00	42.77 -0.92 0.00	36.07 -0.89 0.00	31.66 -0.81 0.00	31.21 -0.83 0.00	29.06 -0.90 0.00	27.77 -0.86 0.00	27.72 -0.92 0.00	29.19 -1.00 0.00	31.98 -1.16 0.00	35.24 -1.20 -0.10	41.19 -1.31 -0.39	33.88 -1.11 -0.28	33.34 -1.06 -0.12	33.18 -1.02 -0.06	33.17 -0.85 0.00	30.15 -0.80 -0.02	28.63 -0.70 0.00
BROWNSV1_27_KV_LOAD 356125	29.81 1.47 0.00	29.02 1.38 0.00	28.11 1.29 0.00	28.16 1.29 0.00	28.52 1.18 0.00	30.41 1.31 0.00	39.58 2.73 0.00	47.31 3.63 0.00	40.06 3.10 0.00	34.97 2.50 0.00	34.35 2.31 0.00	32.17 2.22 0.00	30.80 2.18 0.00	30.78 2.15 0.00	32.58 2.39 0.00	35.90 2.75 0.00	43.50 3.45 -3.72	60.37 4.17 -14.10	48.36 3.40 -10.24	41.97 3.36 -4.33	39.47 3.18 -2.15	37.01 2.99 0.00	34.20 2.69 -0.56	31.68 2.35 0.00
BURROWS___LYONSDAL 23803	28.76 0.43 0.00	28.08 0.44 0.00	27.22 0.40 0.00	27.27 0.40 0.00	27.75 0.41 0.00	29.62 0.52 0.00	37.77 0.92 0.00	44.78 1.09 0.00	37.73 0.78 0.00	32.83 0.36 0.00	32.21 0.16 0.00	29.84 -0.12 0.00	28.51 -0.11 0.00	28.49 -0.14 0.00	30.04 -0.15 0.00	33.08 -0.07 0.00	36.79 0.33 -0.13	43.16 0.55 -0.51	35.46 0.38 -0.37	34.85 0.41 -0.15	34.49 0.27 -0.08	34.26 0.24 0.00	31.06 0.09 -0.02	29.37 0.03 0.00
CAITHNESS_CC_1 323624	39.59 2.83 -8.42	34.44 2.68 -4.12	33.74 2.58 -4.35	33.37 2.53 -3.97	34.82 2.51 -4.97	40.76 2.79 -8.87	47.63 4.61 -6.18	58.03 5.50 -8.85	50.04 4.58 -8.50	41.20 3.60 -5.13	42.97 3.49 -7.43	40.37 3.32 -7.09	38.61 3.32 -6.67	42.20 3.26 -10.30	44.26 3.56 -10.51	54.19 4.08 -16.97	67.38 4.72 -26.33	86.29 5.56 -38.63	70.38 4.58 -31.08	66.52 4.52 -27.72	64.91 4.44 -26.33	56.24 4.39 -17.82	52.57 3.99 -17.63	43.83 3.58 -10.91
CALPINE BETH_PAGE_GT4 24209	37.90 1.93 -7.64	33.23 1.85 -3.74	32.59 1.82 -3.94	32.32 1.85 -3.60	33.62 1.78 -4.50	39.09 1.95 -8.04	45.58 3.13 -5.60	55.64 3.93 -8.02	48.03 3.36 -7.71	39.79 2.66 -4.65	41.32 2.53 -6.74	38.87 2.49 -6.43	37.22 2.55 -6.05	40.38 2.41 -9.35	42.35 2.63 -9.53	51.52 2.98 -15.39	64.15 3.60 -24.22	89.91 4.25 -43.55	73.44 3.47 -35.26	70.10 3.43 -32.39	61.53 3.31 -24.08	53.42 3.23 -16.17	49.96 2.97 -16.04	41.90 2.67 -9.90
CALPINE_BETH_PAGE_GT_4 323586	38.07 2.10 -7.64	33.31 1.93 -3.74	32.64 1.88 -3.94	32.32 1.85 -3.60	33.68 1.83 -4.50	39.14 2.01 -8.04	45.80 3.35 -5.60	55.64 3.93 -8.02	48.11 3.44 -7.71	39.85 2.73 -4.65	41.44 2.66 -6.74	38.93 2.54 -6.43	37.28 2.60 -6.05	40.55 2.58 -9.35	42.44 2.72 -9.53	51.65 3.11 -15.39	64.18 3.63 -24.22	89.94 4.30 -43.54	73.47 3.50 -35.25	70.13 3.46 -32.39	61.57 3.35 -24.08	53.49 3.30 -16.17	50.02 3.03 -16.04	41.96 2.73 -9.90
CALPINE_BP_GT1 23823	38.07 2.10 -7.64	33.31 1.93 -3.74	32.64 1.88 -3.94	32.32 1.85 -3.60	33.68 1.83 -4.50	39.14 2.01 -8.04	45.80 3.35 -5.60	55.64 3.93 -8.02	48.11 3.44 -7.71	39.85 2.73 -4.65	41.44 2.66 -6.74	38.93 2.54 -6.43	37.28 2.60 -6.05	40.55 2.58 -9.35	42.44 2.72 -9.53	51.65 3.11 -15.39	64.18 3.63 -24.22	89.94 4.30 -43.54	73.47 3.50 -35.25	70.13 3.46 -32.39	61.57 3.35 -24.08	53.49 3.30 -16.17	50.02 3.03 -16.04	41.96 2.73 -9.90
CALSPAN___DRP 24200	28.11 -0.23 0.00	27.31 -0.33 0.00	26.34 -0.48 0.00	26.39 -0.48 0.00	27.01 -0.33 0.00	28.78 -0.32 0.00	35.74 -1.11 0.00	40.57 -3.10 0.01	35.33 -1.63 0.00	30.68 -1.79 0.00	30.25 -1.79 0.00	27.92 -2.04 0.00	26.59 -2.03 0.00	26.66 -1.98 0.00	27.84 -2.35 0.00	30.69 -2.45 0.00	32.75 -3.96 -0.38	39.03 -4.59 -1.52	32.09 -3.64 -1.02	30.98 -3.74 -0.44	29.84 -4.10 0.21	28.22 -4.18 1.61	26.53 -3.96 0.45	26.34 -2.99 0.00



CALVERTON___SOLAR 323806	39.90 3.14 -8.42	34.72 2.96 -4.12	34.01 2.84 -4.34	33.64 2.79 -3.97	35.13 2.82 -4.97	41.08 3.11 -8.87	48.04 5.01 -6.18	58.51 5.98 -8.85	50.41 4.95 -8.50	41.43 3.83 -5.13	43.19 3.72 -7.43	40.58 3.53 -7.09	38.84 3.55 -6.67	42.42 3.49 -10.30	44.47 3.77 -10.51	54.42 4.31 -16.97	67.70 5.05 -26.32	86.77 6.02 -38.64	70.73 4.93 -31.09	66.87 4.87 -27.73	65.25 4.78 -26.33	56.57 4.73 -17.82	52.84 4.27 -17.63	44.06 3.81 -10.91
CANDIGU_WT_PWR 323617	29.04 0.71 0.00	28.36 0.72 0.00	27.49 0.67 0.00	27.60 0.73 0.00	28.19 0.85 0.00	30.14 1.05 0.00	38.28 1.44 0.00	44.90 1.18 -0.03	38.22 1.26 0.00	33.35 0.88 0.00	32.62 0.58 0.00	30.29 0.33 0.00	28.83 0.20 0.00	28.80 0.17 0.00	30.34 0.15 0.00	32.91 -0.23 0.00	37.07 -0.18 -0.92	45.26 -0.29 -3.45	36.93 -0.31 -2.53	34.80 -0.55 -1.07	34.17 -0.85 -0.88	34.19 -1.05 -1.22	30.31 -1.18 -0.54	28.66 -0.67 0.00
CARR STREET_E_SYR 24060	28.00 -0.34 0.00	27.34 -0.30 0.00	26.50 -0.32 0.00	26.52 -0.35 0.00	27.02 -0.33 0.00	28.72 -0.38 0.00	36.37 -0.48 0.00	43.21 -0.48 -0.01	36.52 -0.44 0.00	31.95 -0.52 0.00	31.44 -0.61 0.00	29.42 -0.54 0.00	28.08 -0.54 0.00	28.12 -0.51 0.00	29.62 -0.57 0.00	32.42 -0.73 0.00	36.06 -0.62 -0.35	42.70 -0.72 -1.31	35.11 -0.56 -0.95	34.07 -0.62 -0.40	33.66 -0.75 -0.27	33.42 -0.85 -0.25	30.34 -0.74 -0.14	28.72 -0.62 0.00
CARTHAGE___PAPER 23857	28.08 -0.26 0.00	27.48 -0.16 0.00	26.63 -0.19 0.00	26.68 -0.19 0.00	27.15 -0.19 0.00	28.92 -0.17 0.00	36.77 -0.07 0.00	43.68 0.00 0.00	36.70 -0.26 0.00	31.95 -0.52 0.00	31.34 -0.71 0.00	29.00 -0.96 0.00	27.68 -0.94 0.00	27.66 -0.97 0.00	29.13 -1.06 0.00	32.08 -1.06 0.00	35.82 -0.69 -0.18	42.24 -0.55 -0.68	34.72 -0.49 -0.49	34.04 -0.45 -0.21	33.66 -0.58 -0.10	33.41 -0.61 0.00	30.29 -0.68 -0.03	28.60 -0.73 0.00
CASSADAGA_WT_PWR 323784	28.99 0.65 0.00	28.22 0.58 0.00	27.28 0.46 0.00	27.46 0.59 0.00	28.00 0.66 0.00	29.74 0.64 0.00	36.85 0.00 0.01	42.27 -1.40 0.00	36.52 -0.44 0.00	31.72 -0.75 0.00	30.99 -1.06 0.00	28.64 -1.32 0.00	27.08 -1.55 0.00	27.11 -1.52 0.00	28.32 -1.87 0.00	29.93 -3.21 0.00	33.29 -3.52 -0.48	39.94 -4.04 -1.88	32.67 -3.37 -1.32	31.28 -3.57 -0.56	30.12 -3.93 0.10	28.47 -4.15 1.40	26.57 -3.99 0.38	26.61 -2.73 0.00
CE_DUNWOOD___DRP 24194	29.50 1.16 0.00	28.72 1.08 0.00	27.87 1.05 0.00	27.92 1.05 0.00	28.30 0.96 0.00	30.20 1.11 0.00	39.17 2.32 0.00	46.74 3.06 0.00	39.55 2.59 0.00	34.48 2.01 0.00	33.94 1.89 0.00	31.78 1.83 0.00	30.43 1.80 0.00	30.41 1.78 0.00	32.15 1.96 0.00	35.40 2.25 0.00	42.99 2.94 -3.71	59.75 3.58 -14.07	47.85 2.92 -10.22	41.44 2.85 -4.32	39.02 2.73 -2.15	36.61 2.59 0.00	33.86 2.35 -0.56	31.39 2.05 0.00
CE_MILLWOOD___DRP 24193	29.44 1.11 0.00	28.66 1.02 0.00	27.81 0.99 0.00	27.89 1.02 0.00	28.27 0.93 0.00	30.17 1.08 0.00	39.10 2.25 0.00	46.61 2.93 0.00	39.43 2.48 0.00	34.39 1.92 0.00	33.84 1.79 0.00	31.69 1.74 0.00	30.34 1.72 0.00	30.32 1.69 0.00	32.06 1.87 0.00	35.30 2.15 0.00	42.86 2.83 -3.70	59.57 3.45 -14.02	47.71 2.81 -10.19	41.32 2.74 -4.30	38.91 2.63 -2.14	36.50 2.48 0.00	33.76 2.26 -0.56	31.30 1.97 0.00
CE_NYC2_DRP 24202	29.61 1.28 0.00	28.80 1.16 0.00	27.95 1.13 0.00	28.00 1.13 0.00	28.35 1.01 0.00	30.20 1.11 0.00	39.28 2.43 0.00	46.92 3.23 0.00	39.80 2.85 0.00	34.71 2.24 0.00	34.16 2.11 0.00	31.99 2.04 0.00	30.63 2.00 0.00	30.61 1.98 0.00	32.40 2.20 0.00	35.70 2.55 0.00	43.28 3.23 -3.72	60.16 3.96 -14.10	48.15 3.19 -10.25	41.73 3.12 -4.33	39.19 2.90 -2.15	36.74 2.72 0.00	34.04 2.54 -0.56	31.60 2.26 0.00
CE_NYC_DRP 24195	29.53 1.19 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.20 1.11 0.00	39.32 2.47 0.00	46.96 3.28 0.00	39.77 2.81 0.00	34.71 2.24 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.98 0.00	30.58 1.95 0.00	32.36 2.17 0.00	35.63 2.49 0.00	43.21 3.16 -3.72	60.03 3.83 -14.10	48.05 3.09 -10.24	41.66 3.05 -4.33	39.19 2.90 -2.15	36.74 2.72 0.00	33.98 2.48 -0.56	31.48 2.14 0.00
CHAFFEE___LFGE 323603	28.14 -0.20 0.00	27.42 -0.22 0.00	26.50 -0.32 0.00	26.66 -0.22 0.00	27.18 -0.16 0.00	28.86 -0.23 0.00	35.60 -1.25 0.00	41.00 -2.67 0.01	35.44 -1.52 0.00	30.88 -1.59 0.00	30.15 -1.89 0.00	28.01 -1.95 0.00	26.59 -2.03 0.00	26.71 -1.92 0.00	27.96 -2.23 0.00	29.67 -3.48 0.00	33.01 -3.78 -0.46	39.57 -4.34 -1.80	32.49 -3.47 -1.25	31.24 -3.57 -0.53	30.05 -3.96 0.13	28.35 -4.19 1.49	26.61 -3.93 0.40	26.46 -2.87 0.00
CHATEAUG_35_KV_LOAD 355732	28.45 0.11 0.00	27.89 0.25 0.00	27.14 0.32 0.00	27.25 0.38 0.00	27.94 0.60 0.00	29.53 0.44 0.00	36.33 -0.52 0.00	43.03 -0.66 0.00	36.40 -0.55 0.00	32.63 0.16 0.00	32.27 0.22 0.00	30.05 0.09 0.00	28.60 -0.03 0.00	28.57 -0.06 0.00	29.98 -0.21 0.00	32.85 -0.30 0.00	35.57 -0.76 0.00	40.59 -1.52 0.00	33.57 -1.15 0.00	33.01 -1.27 0.00	32.81 -1.33 0.00	32.66 -1.36 0.00	29.89 -1.05 0.00	28.31 -1.03 0.00
CHATEAUG_WT_PWR 323614	28.34 0.00 0.00	27.81 0.17 0.00	27.06 0.24 0.00	27.25 0.38 0.00	27.89 0.55 0.00	29.42 0.32 0.00	36.19 -0.66 0.00	42.85 -0.83 0.00	36.29 -0.66 0.00	32.57 0.10 0.00	32.24 0.19 0.00	30.02 0.06 0.00	28.54 -0.09 0.00	28.52 -0.11 0.00	29.92 -0.27 0.00	32.78 -0.36 0.00	35.50 -0.83 0.00	40.38 -1.73 0.00	33.46 -1.25 0.00	32.84 -1.44 0.00	32.64 -1.50 0.00	32.46 -1.56 0.00	29.83 -1.11 0.00	28.19 -1.14 0.00
CHAT_HIGH_FALL_HYD 323578	28.45 0.11 0.00	27.89 0.25 0.00	27.14 0.32 0.00	27.30 0.43 0.00	27.94 0.60 0.00	29.53 0.44 0.00	36.37 -0.48 0.00	43.03 -0.65 0.00	36.40 -0.55 0.00	32.63 0.16 0.00	32.27 0.23 0.00	30.05 0.09 0.00	28.60 -0.03 0.00	28.55 -0.09 0.00	29.98 -0.21 0.00	32.85 -0.30 0.00	35.57 -0.76 0.00	40.59 -1.51 0.00	33.57 -1.14 0.00	33.01 -1.27 0.00	32.81 -1.33 0.00	32.66 -1.36 0.00	29.95 -0.99 0.00	28.31 -1.03 0.00
CHAUTAUQUA___LFGE 323629	28.51 0.17 0.00	27.75 0.11 0.00	26.82 0.00 0.00	26.98 0.11 0.00	27.51 0.17 0.00	29.21 0.12 0.00	36.11 -0.74 0.00	41.62 -2.05 0.01	35.89 -1.07 0.00	31.24 -1.23 0.00	30.54 -1.51 0.00	28.31 -1.65 0.00	26.85 -1.77 0.00	26.94 -1.69 0.00	28.17 -2.02 0.00	29.93 -3.21 0.00	33.31 -3.49 -0.46	39.92 -4.00 -1.82	32.75 -3.23 -1.27	31.43 -3.39 -0.54	30.26 -3.76 0.13	28.58 -3.98 1.46	26.80 -3.75 0.40	26.58 -2.76 0.00
CHERRYST_13_KV_LD 356241	29.61 1.28 0.00	28.83 1.19 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.41 1.07 0.00	30.29 1.19 0.00	39.43 2.58 0.00	47.09 3.41 0.00	39.91 2.96 0.00	34.81 2.34 0.00	34.22 2.18 0.00	32.05 2.10 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.32 3.27 -3.72	60.20 4.00 -14.10	48.19 3.23 -10.24	41.79 3.19 -4.33	39.30 3.00 -2.15	36.81 2.79 0.00	34.04 2.54 -0.56	31.54 2.20 0.00



CHESTROR_138KV_BK263 355645	29.24 0.91 0.00	28.47 0.83 0.00	27.63 0.80 0.00	27.68 0.81 0.00	28.08 0.74 0.00	29.97 0.87 0.00	38.73 1.88 0.00	46.04 2.36 0.00	38.95 2.00 0.00	33.93 1.46 0.00	33.42 1.38 0.00	31.33 1.38 0.00	29.94 1.32 0.00	29.95 1.32 0.00	31.67 1.48 0.00	34.84 1.69 0.00	42.06 2.29 -3.44	57.98 2.82 -13.06	46.53 2.33 -9.49	40.55 2.26 -4.01	38.28 2.15 -1.99	36.03 2.01 0.00	33.29 1.83 -0.52	30.95 1.61 0.00
CH_MIDHUDSON___DRP 24192	29.55 1.22 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.38 1.04 0.00	30.32 1.22 0.00	39.21 2.36 0.00	46.57 2.88 0.00	39.40 2.44 0.00	34.29 1.82 0.00	33.74 1.70 0.00	31.60 1.65 0.00	30.23 1.60 0.00	30.23 1.60 0.00	32.00 1.81 0.00	35.23 2.09 0.00	42.97 2.83 -3.80	59.92 3.41 -14.41	48.03 2.85 -10.47	41.48 2.78 -4.42	39.00 2.66 -2.20	36.50 2.48 0.00	33.81 2.29 -0.58	31.36 2.02 0.00
CH_MISC_IPPS 23765	29.75 1.42 0.00	28.91 1.27 0.00	28.03 1.21 0.00	28.05 1.18 0.00	28.49 1.15 0.00	30.44 1.34 0.00	39.39 2.54 0.00	46.65 2.97 0.00	39.51 2.55 0.00	34.38 1.92 0.00	33.84 1.79 0.00	31.66 1.71 0.00	30.26 1.63 0.00	30.23 1.60 0.00	32.03 1.84 0.00	35.40 2.25 0.00	42.94 2.87 -3.74	59.72 3.45 -14.16	47.92 2.92 -10.29	41.47 2.84 -4.35	39.03 2.73 -2.16	36.61 2.58 0.00	33.83 2.32 -0.57	31.42 2.08 0.00
CH_RES_BVR_FALLS 23983	28.22 -0.11 0.00	27.59 -0.06 0.00	26.77 -0.05 0.00	26.84 -0.03 0.00	27.34 0.00 0.00	29.04 -0.06 0.00	36.44 -0.40 0.00	43.11 -0.57 0.00	36.52 -0.44 0.00	32.31 -0.16 0.00	31.89 -0.16 0.00	29.78 -0.18 0.00	28.43 -0.20 0.00	28.37 -0.26 0.00	29.83 -0.36 0.00	32.65 -0.50 0.00	35.57 -0.76 0.00	41.09 -1.01 0.00	33.81 -0.90 0.00	33.42 -0.86 0.00	33.32 -0.82 0.00	33.27 -0.75 0.00	30.32 -0.62 0.00	28.75 -0.59 0.00
CH_RES_NIAGARA 23895	26.75 -1.59 0.00	26.12 -1.52 0.00	25.21 -1.61 0.00	25.37 -1.50 0.00	25.84 -1.50 0.00	27.38 -1.72 0.00	33.53 -3.32 0.00	39.12 -4.54 0.02	33.48 -3.48 0.00	29.22 -3.25 0.00	28.58 -3.46 0.00	26.54 -3.42 0.00	25.25 -3.38 0.00	25.37 -3.26 0.00	26.57 -3.62 0.00	28.44 -4.71 0.00	31.57 -5.12 -0.36	37.50 -6.11 -1.51	31.00 -4.69 -0.98	29.83 -4.87 -0.42	28.67 -5.22 0.25	26.74 -5.48 1.81	25.55 -4.89 0.50	25.14 -4.20 0.00
CH_RES_SYRACUSE 23985	28.51 0.17 0.00	27.84 0.19 0.00	26.96 0.13 0.00	26.98 0.11 0.00	27.51 0.17 0.00	29.33 0.23 0.00	37.25 0.41 0.00	44.31 0.61 -0.02	37.40 0.45 0.00	32.70 0.23 0.00	32.11 0.06 0.00	29.90 -0.06 0.00	28.54 -0.09 0.00	28.57 -0.06 0.00	30.13 -0.06 0.00	33.05 -0.10 0.00	36.90 0.18 -0.39	43.83 0.25 -1.47	36.02 0.24 -1.07	34.87 0.14 -0.45	34.55 -0.03 -0.45	34.61 -0.17 -0.76	30.98 -0.28 -0.32	29.10 -0.24 0.00
CLINTON_WT_PWR 323605	28.34 0.00 0.00	27.81 0.17 0.00	27.06 0.24 0.00	27.25 0.38 0.00	27.89 0.55 0.00	29.42 0.32 0.00	36.19 -0.66 0.00	42.85 -0.83 0.00	36.29 -0.66 0.00	32.57 0.10 0.00	32.24 0.19 0.00	30.02 0.06 0.00	28.54 -0.09 0.00	28.52 -0.11 0.00	29.92 -0.27 0.00	32.78 -0.36 0.00	35.50 -0.83 0.00	40.38 -1.73 0.00	33.46 -1.25 0.00	32.84 -1.44 0.00	32.64 -1.50 0.00	32.46 -1.56 0.00	29.83 -1.11 0.00	28.19 -1.14 0.00
CLINTON___LFGE 323618	28.85 0.51 0.00	28.30 0.66 0.00	27.55 0.72 0.00	27.71 0.83 0.00	28.41 1.07 0.00	29.94 0.84 0.00	36.77 -0.07 0.00	43.51 -0.17 0.00	36.85 -0.11 0.00	33.08 0.62 0.00	32.69 0.64 0.00	30.43 0.48 0.00	28.94 0.32 0.00	28.89 0.26 0.00	30.28 0.09 0.00	33.21 0.07 0.00	36.04 -0.29 0.00	41.01 -1.09 0.00	34.02 -0.69 0.00	33.46 -0.82 0.00	33.22 -0.92 0.00	32.97 -1.05 0.00	30.29 -0.65 0.00	28.57 -0.76 0.00
COBBLENY_34_KV_TB1 80064	28.25 -0.09 0.00	27.45 -0.19 0.00	26.45 -0.38 0.00	26.50 -0.38 0.00	27.12 -0.22 0.00	28.92 -0.17 0.00	36.00 -0.85 0.00	40.79 -2.88 0.01	35.59 -1.37 0.00	30.88 -1.59 0.00	30.44 -1.60 0.00	28.10 -1.86 0.00	26.77 -1.86 0.00	26.83 -1.80 0.00	28.05 -2.14 0.00	30.89 -2.25 0.00	33.00 -3.74 -0.41	39.38 -4.34 -1.62	32.39 -3.44 -1.11	31.22 -3.53 -0.47	30.09 -3.89 0.16	28.55 -3.98 1.49	26.73 -3.81 0.41	26.55 -2.79 0.00
COFFEEN___115KV_TB3 355620	28.31 -0.03 0.00	27.67 0.03 0.00	26.79 -0.03 0.00	26.84 -0.03 0.00	27.31 -0.03 0.00	29.13 0.03 0.00	37.25 0.41 0.00	44.21 0.52 0.00	37.11 0.15 0.00	32.31 -0.16 0.00	31.66 -0.38 0.00	29.24 -0.72 0.00	27.91 -0.72 0.00	27.89 -0.74 0.00	29.38 -0.82 0.00	32.42 -0.73 0.00	36.43 -0.11 -0.20	43.08 0.21 -0.77	35.41 0.14 -0.56	34.65 0.14 -0.24	34.19 -0.07 -0.12	33.88 -0.14 0.00	30.60 -0.37 -0.03	28.93 -0.41 0.00
COLDSPRG_115KV_BK1 355956	29.47 1.13 0.00	28.61 0.97 0.00	27.60 0.78 0.00	27.68 0.81 0.00	28.35 1.01 0.00	30.26 1.16 0.00	37.95 1.11 0.00	42.58 -1.09 0.01	37.36 0.41 0.00	32.37 -0.10 0.00	31.88 -0.16 0.00	29.42 -0.54 0.00	27.91 -0.72 0.00	27.94 -0.69 0.00	29.22 -0.97 0.00	32.08 -1.06 0.00	34.25 -2.54 -0.46	41.05 -2.82 -1.77	33.50 -2.46 -1.26	32.24 -2.57 -0.53	31.15 -2.90 0.09	29.73 -2.99 1.29	27.53 -3.06 0.35	27.66 -1.67 0.00
COLONIE_LFGE___ 323577	29.19 0.85 0.00	28.41 0.77 0.00	27.63 0.80 0.00	27.68 0.81 0.00	28.14 0.79 0.00	29.97 0.87 0.00	38.51 1.66 0.00	45.74 2.05 0.00	38.62 1.66 0.00	33.54 1.07 0.00	33.17 1.12 0.00	31.03 1.08 0.00	29.71 1.09 0.00	29.75 1.12 0.00	31.40 1.21 0.00	34.64 1.49 0.00	42.89 1.89 -4.67	61.99 2.19 -17.70	49.41 1.84 -12.85	41.46 1.75 -5.43	38.55 1.71 -2.70	35.72 1.70 0.00	33.20 1.55 -0.71	30.77 1.44 0.00
COOPERNY_115KV_TB1 80082	29.02 0.68 0.00	28.28 0.64 0.00	27.41 0.59 0.00	27.46 0.59 0.00	27.89 0.55 0.00	29.77 0.67 0.00	38.32 1.47 0.00	45.52 1.83 0.00	38.51 1.55 0.00	33.64 1.17 0.00	33.10 1.06 0.00	31.00 1.05 0.00	29.66 1.03 0.00	29.66 1.03 0.00	31.31 1.12 0.00	34.44 1.29 0.00	40.89 1.74 -2.82	54.93 2.15 -10.68	44.21 1.74 -7.76	39.27 1.71 -3.28	37.37 1.60 -1.63	35.52 1.50 0.00	32.73 1.36 -0.43	30.54 1.20 0.00
COPENHAGEN_WT_PWR 323753	28.05 -0.28 0.00	27.45 -0.19 0.00	26.61 -0.22 0.00	26.63 -0.24 0.00	27.10 -0.25 0.00	28.89 -0.20 0.00	36.81 -0.04 0.00	43.73 0.04 0.00	36.77 -0.18 0.00	32.01 -0.45 0.00	31.40 -0.64 0.00	29.09 -0.87 0.00	27.77 -0.86 0.00	27.74 -0.89 0.00	29.22 -0.97 0.00	32.18 -0.96 0.00	36.07 -0.47 -0.21	42.65 -0.25 -0.80	35.05 -0.24 -0.58	34.25 -0.28 -0.24	33.82 -0.44 -0.12	33.54 -0.48 0.00	30.36 -0.62 -0.03	28.69 -0.65 0.00
CORNELL_____ 23752	29.19 0.85 0.00	28.47 0.83 0.00	27.60 0.78 0.00	27.60 0.73 0.00	28.16 0.82 0.00	30.12 1.02 0.00	38.47 1.62 0.00	45.55 1.83 -0.03	38.47 1.52 0.00	33.51 1.04 0.00	32.88 0.83 0.00	30.55 0.60 0.00	29.17 0.54 0.00	29.15 0.52 0.00	30.70 0.51 0.00	33.94 0.80 0.00	38.23 1.05 -0.84	46.60 1.31 -3.19	38.15 1.11 -2.33	36.26 0.99 -0.98	35.72 0.75 -0.82	35.80 0.61 -1.16	31.80 0.34 -0.52	29.75 0.41 0.00



CORONA V_69_KV_TB1 355595	37.94 1.90 -7.70	33.24 1.82 -3.77	32.56 1.77 -3.97	32.29 1.80 -3.61	33.62 1.75 -4.52	39.11 1.92 -8.10	45.77 3.28 -5.65	55.91 4.15 -8.08	48.28 3.55 -7.77	39.95 2.79 -4.69	41.53 2.69 -6.79	39.04 2.61 -6.47	37.27 2.55 -6.09	40.59 2.55 -9.41	42.57 2.78 -9.60	51.79 3.15 -15.50	64.40 3.71 -24.36	100.93 4.34 -54.49	82.83 3.58 -44.54	80.67 3.57 -42.82	61.82 3.45 -24.23	53.64 3.33 -16.29	50.26 3.16 -16.16	42.12 2.82 -9.97
CORTLAND_115KV_TB3 80093	28.82 0.48 0.00	28.11 0.47 0.00	27.25 0.43 0.00	27.27 0.40 0.00	27.78 0.44 0.00	29.68 0.58 0.00	37.84 0.99 0.00	44.83 1.14 -0.02	37.92 0.96 0.00	33.05 0.58 0.00	32.49 0.45 0.00	30.26 0.30 0.00	28.88 0.26 0.00	28.89 0.26 0.00	30.46 0.27 0.00	33.54 0.40 0.00	37.61 0.58 -0.69	45.42 0.72 -2.60	37.21 0.59 -1.91	35.60 0.51 -0.80	35.02 0.34 -0.54	34.77 0.24 -0.51	31.31 0.09 -0.27	29.48 0.15 0.00
COXSACKIE__GT 23611	30.29 1.95 0.00	29.52 1.88 0.00	28.73 1.90 0.00	28.81 1.94 0.00	29.28 1.94 0.00	31.16 2.07 0.00	39.91 3.06 0.00	46.69 3.01 0.00	39.33 2.37 0.00	34.12 1.66 0.00	33.55 1.51 0.00	31.31 1.35 0.00	29.83 1.20 0.00	29.86 1.23 0.00	31.76 1.57 0.00	35.17 2.02 0.00	43.29 2.58 -4.38	61.71 2.99 -16.62	49.59 2.81 -12.07	42.02 2.64 -5.10	39.20 2.53 -2.54	36.34 2.31 0.00	33.74 2.13 -0.67	31.63 2.29 0.00
CPV_VALLEY__CC1 323721	29.13 0.79 0.00	28.30 0.66 0.00	27.46 0.64 0.00	27.49 0.62 0.00	27.94 0.60 0.00	29.79 0.70 0.00	38.47 1.62 0.00	45.69 2.01 0.00	38.66 1.70 0.00	33.70 1.23 0.00	33.23 1.19 0.00	31.16 1.20 0.00	29.80 1.17 0.00	29.78 1.15 0.00	31.49 1.30 0.00	34.70 1.56 0.00	41.51 1.96 -3.22	56.74 2.44 -12.20	45.55 1.98 -8.86	39.98 1.95 -3.74	37.84 1.84 -1.86	35.79 1.77 0.00	33.01 1.58 -0.49	30.74 1.41 0.00
CPV_VALLEY__CC2 323722	29.13 0.79 0.00	28.30 0.66 0.00	27.46 0.64 0.00	27.49 0.62 0.00	27.94 0.60 0.00	29.79 0.70 0.00	38.47 1.62 0.00	45.69 2.01 0.00	38.66 1.70 0.00	33.70 1.23 0.00	33.23 1.19 0.00	31.16 1.20 0.00	29.80 1.17 0.00	29.78 1.15 0.00	31.49 1.30 0.00	34.70 1.56 0.00	41.51 1.96 -3.22	56.74 2.44 -12.20	45.55 1.98 -8.86	39.98 1.95 -3.74	37.84 1.84 -1.86	35.79 1.77 0.00	33.01 1.58 -0.49	30.74 1.41 0.00
CRESCENT__HYD 24018	29.19 0.85 0.00	28.41 0.77 0.00	27.63 0.80 0.00	27.68 0.81 0.00	28.14 0.79 0.00	29.97 0.87 0.00	38.51 1.66 0.00	45.74 2.05 0.00	38.62 1.66 0.00	33.54 1.07 0.00	33.17 1.12 0.00	31.03 1.08 0.00	29.71 1.09 0.00	29.75 1.12 0.00	31.40 1.21 0.00	34.64 1.49 0.00	42.89 1.89 -4.67	61.99 2.19 -17.70	49.41 1.84 -12.85	41.46 1.75 -5.43	38.55 1.71 -2.70	35.72 1.70 0.00	33.20 1.55 -0.71	30.77 1.44 0.00
CRICKET__VALLEY_CC1 323756	29.30 0.96 0.00	28.47 0.83 0.00	27.65 0.83 0.00	27.68 0.81 0.00	28.11 0.76 0.00	29.97 0.87 0.00	38.80 1.95 0.00	46.13 2.44 0.00	39.03 2.07 0.00	33.86 1.40 0.00	33.55 1.51 0.00	31.42 1.47 0.00	30.14 1.52 0.00	30.18 1.55 0.00	31.88 1.69 0.00	35.20 2.06 0.00	42.84 2.58 -3.93	60.07 3.07 -14.89	48.03 2.50 -10.82	41.32 2.47 -4.57	38.84 2.42 -2.27	36.40 2.38 0.00	33.67 2.13 -0.60	31.24 1.91 0.00
CRICKET__VALLEY_CC2 323757	29.30 0.96 0.00	28.47 0.83 0.00	27.65 0.83 0.00	27.68 0.81 0.00	28.11 0.76 0.00	29.97 0.87 0.00	38.80 1.95 0.00	46.13 2.44 0.00	39.03 2.07 0.00	33.86 1.40 0.00	33.55 1.51 0.00	31.42 1.47 0.00	30.14 1.52 0.00	30.18 1.55 0.00	31.88 1.69 0.00	35.20 2.06 0.00	42.84 2.58 -3.93	60.07 3.07 -14.89	48.03 2.50 -10.82	41.32 2.47 -4.57	38.84 2.42 -2.27	36.40 2.38 0.00	33.67 2.13 -0.60	31.24 1.91 0.00
CRICKET__VALLEY_CC3 323758	29.30 0.96 0.00	28.47 0.83 0.00	27.65 0.83 0.00	27.68 0.81 0.00	28.11 0.76 0.00	29.97 0.87 0.00	38.80 1.95 0.00	46.13 2.44 0.00	39.03 2.07 0.00	33.86 1.40 0.00	33.55 1.51 0.00	31.42 1.47 0.00	30.14 1.52 0.00	30.18 1.55 0.00	31.88 1.69 0.00	35.20 2.06 0.00	42.84 2.58 -3.93	60.07 3.07 -14.89	48.03 2.50 -10.82	41.32 2.47 -4.57	38.84 2.42 -2.27	36.40 2.38 0.00	33.67 2.13 -0.60	31.24 1.91 0.00
CRUCIBLE_METL_DRP 24180	28.51 0.17 0.00	27.83 0.19 0.00	26.96 0.13 0.00	26.95 0.08 0.00	27.48 0.14 0.00	29.36 0.26 0.00	37.33 0.48 0.00	44.31 0.61 -0.02	37.40 0.44 0.00	32.70 0.23 0.00	32.17 0.13 0.00	29.93 -0.03 0.00	28.57 -0.06 0.00	28.60 -0.03 0.00	30.13 -0.06 0.00	33.18 0.03 0.00	36.86 0.15 -0.38	43.81 0.25 -1.46	36.01 0.24 -1.06	34.86 0.14 -0.45	34.55 -0.03 -0.44	34.68 -0.10 -0.76	31.04 -0.22 -0.32	29.10 -0.23 0.00
DAHOWA__HYDRO 323763	29.33 0.99 0.00	28.53 0.88 0.00	27.79 0.96 0.00	27.84 0.97 0.00	28.33 0.98 0.00	30.20 1.11 0.00	38.91 2.06 0.00	46.22 2.53 0.00	38.92 1.96 0.00	33.77 1.30 0.00	33.36 1.31 0.00	31.12 1.17 0.00	29.71 1.09 0.00	29.75 1.12 0.00	31.49 1.30 0.00	34.70 1.56 0.00	43.17 2.11 -4.73	62.46 2.40 -17.96	49.76 2.01 -13.04	41.64 1.85 -5.51	38.76 1.88 -2.74	35.89 1.87 0.00	33.27 1.61 -0.72	30.86 1.52 0.00
DANC__LFGE 323619	27.91 -0.42 0.00	27.28 -0.36 0.00	26.45 -0.38 0.00	26.47 -0.40 0.00	26.96 -0.38 0.00	28.69 -0.41 0.00	36.52 -0.33 0.00	43.38 -0.30 -0.01	36.52 -0.44 0.00	31.85 -0.62 0.00	31.31 -0.74 0.00	29.09 -0.87 0.00	27.77 -0.86 0.00	27.77 -0.86 0.00	29.25 -0.94 0.00	32.18 -0.96 0.00	35.93 -0.65 -0.25	42.49 -0.55 -0.94	34.94 -0.45 -0.68	34.05 -0.51 -0.29	33.63 -0.65 -0.14	33.30 -0.72 0.00	30.24 -0.74 -0.04	28.57 -0.76 0.00
DANSKAMMER__1 23586	29.75 1.42 0.00	28.91 1.27 0.00	28.03 1.21 0.00	28.05 1.18 0.00	28.49 1.15 0.00	30.44 1.34 0.00	39.39 2.54 0.00	46.65 2.97 0.00	39.51 2.55 0.00	34.38 1.92 0.00	33.84 1.79 0.00	31.66 1.71 0.00	30.26 1.63 0.00	30.23 1.60 0.00	32.03 1.84 0.00	35.40 2.25 0.00	42.94 2.87 -3.74	59.72 3.45 -14.16	47.92 2.92 -10.29	41.47 2.84 -4.35	39.03 2.73 -2.16	36.61 2.58 0.00	33.83 2.32 -0.57	31.42 2.08 0.00
DANSKAMMER__2 23589	29.75 1.42 0.00	28.91 1.27 0.00	28.03 1.21 0.00	28.05 1.18 0.00	28.49 1.15 0.00	30.44 1.34 0.00	39.39 2.54 0.00	46.65 2.97 0.00	39.51 2.55 0.00	34.38 1.92 0.00	33.84 1.79 0.00	31.66 1.71 0.00	30.26 1.63 0.00	30.23 1.60 0.00	32.03 1.84 0.00	35.40 2.25 0.00	42.94 2.87 -3.74	59.72 3.45 -14.16	47.92 2.92 -10.29	41.47 2.84 -4.35	39.03 2.73 -2.16	36.61 2.58 0.00	33.83 2.32 -0.57	31.42 2.08 0.00
DANSKAMMER__3 23590	29.75 1.42 0.00	28.91 1.27 0.00	28.03 1.21 0.00	28.05 1.18 0.00	28.49 1.15 0.00	30.44 1.34 0.00	39.39 2.54 0.00	46.65 2.97 0.00	39.51 2.55 0.00	34.38 1.92 0.00	33.84 1.79 0.00	31.66 1.71 0.00	30.26 1.63 0.00	30.23 1.60 0.00	32.03 1.84 0.00	35.40 2.25 0.00	42.94 2.87 -3.74	59.72 3.45 -14.16	47.92 2.92 -10.29	41.47 2.84 -4.35	39.03 2.73 -2.16	36.61 2.58 0.00	33.83 2.32 -0.57	31.42 2.08 0.00



DANSKAMMER___4 23591	29.75 1.42 0.00	28.91 1.27 0.00	28.03 1.21 0.00	28.05 1.18 0.00	28.49 1.15 0.00	30.44 1.34 0.00	39.39 2.54 0.00	46.65 2.97 0.00	39.51 2.55 0.00	34.38 1.92 0.00	33.84 1.79 0.00	31.66 1.71 0.00	30.26 1.63 0.00	30.23 1.60 0.00	32.03 1.84 0.00	35.40 2.25 0.00	42.94 2.87 -3.74	59.72 3.45 -14.16	47.92 2.92 -10.29	41.47 2.84 -4.35	39.03 2.73 -2.16	36.61 2.58 0.00	33.83 2.32 -0.57	31.42 2.08 0.00
DANSKAMMER___DIESEL 23592	29.64 1.30 0.00	28.86 1.22 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.46 1.12 0.00	30.41 1.31 0.00	39.35 2.51 0.00	46.65 2.97 0.00	39.47 2.51 0.00	34.39 1.92 0.00	33.78 1.73 0.00	31.63 1.68 0.00	30.23 1.60 0.00	30.23 1.60 0.00	32.00 1.81 0.00	35.27 2.12 0.00	42.94 2.87 -3.74	59.73 3.45 -14.17	47.93 2.92 -10.30	41.47 2.85 -4.35	39.00 2.70 -2.16	36.54 2.52 0.00	33.83 2.32 -0.57	31.42 2.08 0.00
DARBY___SOLAR 323810	29.33 0.99 0.00	28.55 0.91 0.00	27.79 0.96 0.00	27.84 0.97 0.00	28.33 0.98 0.00	30.20 1.11 0.00	38.87 2.03 0.00	46.17 2.49 0.00	38.92 1.96 0.00	33.80 1.33 0.00	33.39 1.35 0.00	31.16 1.20 0.00	29.77 1.15 0.00	29.81 1.17 0.00	31.52 1.33 0.00	34.74 1.59 0.00	43.12 2.07 -4.72	62.42 2.40 -17.92	49.74 2.01 -13.01	41.62 1.85 -5.49	38.75 1.88 -2.74	35.86 1.84 0.00	33.27 1.61 -0.72	30.86 1.52 0.00
DASHVILLE___HYD 23610	29.38 1.05 0.00	28.61 0.97 0.00	27.73 0.91 0.00	27.79 0.91 0.00	28.22 0.87 0.00	30.12 1.02 0.00	38.80 1.95 0.00	45.91 2.23 0.00	38.81 1.85 0.00	33.80 1.33 0.00	33.23 1.19 0.00	31.12 1.17 0.00	29.74 1.12 0.00	29.75 1.12 0.00	31.49 1.30 0.00	34.67 1.52 0.00	42.43 2.18 -3.92	59.57 2.61 -14.86	47.73 2.22 -10.80	41.00 2.16 -4.56	38.46 2.05 -2.27	35.96 1.94 0.00	33.40 1.86 -0.60	31.01 1.67 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	40.30 3.54 -8.42	35.27 3.51 -4.11	34.68 3.51 -4.34	34.34 3.49 -3.97	35.78 3.47 -4.97	41.60 3.64 -8.86	48.96 5.93 -6.18	59.78 7.25 -8.84	51.44 5.99 -8.50	42.01 4.42 -5.13	43.83 4.36 -7.43	41.06 4.01 -7.09	39.24 3.95 -6.67	42.97 4.04 -10.30	45.07 4.38 -10.50	55.15 5.04 -16.97	68.76 6.10 -26.32	88.09 7.33 -38.66	71.79 5.97 -31.10	67.91 5.90 -27.74	66.17 5.70 -26.32	57.32 5.48 -17.82	53.43 4.86 -17.62	44.71 4.46 -10.91
DELAWARE___LFGE 323621	29.27 0.94 0.00	28.55 0.91 0.00	27.68 0.86 0.00	27.73 0.86 0.00	28.19 0.85 0.00	30.12 1.02 0.00	38.65 1.81 0.00	45.79 2.10 -0.01	38.81 1.85 0.00	33.87 1.40 0.00	33.29 1.25 0.00	31.03 1.08 0.00	29.69 1.06 0.00	29.66 1.03 0.00	31.28 1.09 0.00	34.44 1.29 0.00	39.68 1.71 -1.64	50.39 2.06 -6.23	40.91 1.67 -4.53	37.84 1.65 -1.91	36.59 1.50 -0.94	35.43 1.43 0.02	32.36 1.18 -0.24	30.45 1.11 0.00
DERFIELD_115KV_TB7 355931	28.45 0.11 0.00	27.75 0.11 0.00	26.93 0.11 0.00	27.01 0.13 0.00	27.45 0.11 0.00	29.24 0.15 0.00	37.22 1.02 0.00	44.16 0.48 0.00	37.33 0.37 0.00	32.70 0.23 0.00	32.24 0.19 0.00	30.14 0.18 0.00	28.80 0.17 0.00	28.80 0.17 0.00	30.37 0.18 0.00	33.38 0.23 0.00	36.73 0.40 0.00	42.57 0.46 0.00	35.09 0.38 0.00	34.66 0.38 0.00	34.45 0.31 0.00	34.33 0.31 0.00	31.22 0.28 0.00	29.57 0.23 0.00
DOGLEVILLE___HYD 23807	28.70 0.37 0.00	28.03 0.39 0.00	27.22 0.40 0.00	27.30 0.43 0.00	27.81 0.46 0.00	29.71 0.61 0.00	37.88 1.03 0.00	44.99 1.31 0.00	38.07 1.11 0.00	33.31 0.84 0.00	32.85 0.80 0.00	30.61 0.66 0.00	29.23 0.60 0.00	29.20 0.57 0.00	30.79 0.60 0.00	33.91 0.76 0.00	37.35 1.02 0.00	43.28 1.18 0.00	35.61 0.90 0.00	35.14 0.86 0.00	34.89 0.75 0.00	34.77 0.75 0.00	31.53 0.59 0.00	29.87 0.53 0.00
DUNKIRK___115KV_TB_200 55889	28.51 0.17 0.00	27.70 0.06 0.00	26.71 -0.11 0.00	26.76 -0.11 0.00	27.40 0.05 0.00	29.18 0.09 0.00	36.37 -0.48 0.00	41.36 -2.32 0.01	35.92 -1.03 0.00	31.17 -1.30 0.00	30.73 -1.31 0.00	28.34 -1.62 0.00	26.97 -1.66 0.00	27.00 -1.63 0.00	28.20 -1.99 0.00	31.02 -2.12 0.00	33.30 -3.45 -0.41	39.77 -3.96 -1.63	32.65 -3.19 -1.13	31.44 -3.33 -0.48	30.30 -3.69 0.16	28.78 -3.78 1.47	26.92 -3.62 0.41	26.64 -2.70 0.00
DUNKIRK___1 23563	28.51 0.17 0.00	27.70 0.06 0.00	26.71 -0.11 0.00	26.76 -0.11 0.00	27.40 0.05 0.00	29.18 0.09 0.00	36.37 -0.48 0.00	41.36 -2.32 0.01	35.92 -1.03 0.00	31.17 -1.30 0.00	30.73 -1.31 0.00	28.34 -1.62 0.00	26.97 -1.66 0.00	27.00 -1.63 0.00	28.20 -1.99 0.00	31.02 -2.12 0.00	33.30 -3.45 -0.41	39.77 -3.96 -1.63	32.65 -3.19 -1.13	31.44 -3.33 -0.48	30.30 -3.69 0.16	28.78 -3.78 1.47	26.92 -3.62 0.41	26.64 -2.70 0.00
DUNKIRK___2 23564	28.51 0.17 0.00	27.70 0.06 0.00	26.71 -0.11 0.00	26.76 -0.11 0.00	27.40 0.05 0.00	29.18 0.09 0.00	36.37 -0.48 0.00	41.36 -2.32 0.01	35.92 -1.03 0.00	31.17 -1.30 0.00	30.73 -1.31 0.00	28.34 -1.62 0.00	26.97 -1.66 0.00	27.00 -1.63 0.00	28.20 -1.99 0.00	31.02 -2.12 0.00	33.30 -3.45 -0.41	39.77 -3.96 -1.63	32.65 -3.19 -1.13	31.44 -3.33 -0.48	30.30 -3.69 0.16	28.78 -3.78 1.47	26.92 -3.62 0.41	26.64 -2.70 0.00
DUNKIRK___3 23565	28.39 0.06 0.00	27.56 -0.08 0.00	26.61 -0.21 0.00	26.66 -0.21 0.00	27.26 -0.08 0.00	29.07 -0.03 0.00	36.26 -0.59 0.00	41.14 -2.53 0.01	35.78 -1.18 0.00	31.07 -1.40 0.00	30.60 -1.44 0.00	28.28 -1.68 0.00	26.91 -1.72 0.00	26.97 -1.66 0.00	28.17 -2.02 0.00	30.96 -2.19 0.00	33.26 -3.49 -0.42	39.74 -4.00 -1.63	32.66 -3.19 -1.14	31.44 -3.33 -0.49	30.30 -3.69 0.15	28.82 -3.74 1.45	26.95 -3.59 0.40	26.73 -2.61 0.00
DUNKIRK___4 23566	28.39 0.06 0.00	27.59 -0.06 0.00	26.61 -0.21 0.00	26.66 -0.21 0.00	27.29 -0.05 0.00	29.07 -0.03 0.00	36.19 -0.66 0.00	41.09 -2.58 0.01	35.74 -1.22 0.00	31.04 -1.43 0.00	30.57 -1.47 0.00	28.22 -1.74 0.00	26.85 -1.77 0.00	26.91 -1.72 0.00	28.11 -2.08 0.00	30.92 -2.22 0.00	33.13 -3.60 -0.39	39.49 -4.17 -1.55	32.44 -3.33 -1.06	31.27 -3.46 -0.45	30.13 -3.82 0.19	28.55 -3.91 1.56	26.77 -3.74 0.43	26.55 -2.79 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	29.53 1.19 0.00	28.75 1.11 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.35 1.01 0.00	30.26 1.16 0.00	39.24 2.40 0.00	46.83 3.15 0.00	39.66 2.70 0.00	34.58 2.11 0.00	34.00 1.95 0.00	31.87 1.92 0.00	30.52 1.89 0.00	30.49 1.86 0.00	32.24 2.05 0.00	35.50 2.35 0.00	43.10 3.05 -3.72	59.91 3.71 -14.10	47.94 2.99 -10.24	41.55 2.95 -4.33	39.09 2.80 -2.15	36.67 2.65 0.00	33.92 2.41 -0.56	31.45 2.11 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	29.41 1.08 0.00	28.64 1.00 0.00	27.76 0.94 0.00	27.81 0.94 0.00	28.22 0.87 0.00	30.14 1.05 0.00	38.99 2.14 0.00	46.30 2.62 0.00	39.14 2.18 0.00	34.13 1.66 0.00	33.55 1.51 0.00	31.45 1.50 0.00	30.06 1.43 0.00	30.06 1.43 0.00	31.79 1.60 0.00	35.00 1.86 0.00	42.47 2.51 -3.63	58.94 3.07 -13.76	47.25 2.53 -10.00	41.01 2.50 -4.22	38.60 2.36 -2.10	36.23 2.21 0.00	33.50 2.01 -0.55	31.13 1.79 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	29.61 1.28 0.00	28.80 1.16 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.09 0.99 0.00	39.13 2.28 0.00	46.70 3.01 0.00	39.62 2.66 0.00	34.55 2.08 0.00	34.00 1.95 0.00	31.84 1.89 0.00	30.49 1.86 0.00	30.46 1.83 0.00	32.24 2.05 0.00	35.53 2.39 0.00	43.10 3.05 -3.72	59.95 3.75 -14.10	47.98 3.02 -10.25	41.59 2.98 -4.33	39.06 2.77 -2.15	36.61 2.59 0.00	33.95 2.44 -0.56	31.54 2.20 0.00
E179THST_13_KV_LOAD 356214	29.72 1.39 0.00	28.89 1.24 0.00	28.03 1.21 0.00	28.05 1.18 0.00	28.41 1.07 0.00	30.20 1.11 0.00	39.28 2.43 0.00	46.87 3.19 0.00	39.77 2.81 0.00	34.71 2.24 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.98 0.00	30.58 1.95 0.00	32.40 2.20 0.00	35.66 2.52 0.00	43.28 3.23 -3.72	60.16 3.96 -14.10	48.15 3.19 -10.25	41.76 3.15 -4.33	39.19 2.90 -2.15	36.74 2.72 0.00	34.07 2.57 -0.56	31.65 2.32 0.00
EAST HAMPTON___GT 23717	41.03 4.28 -8.42	35.82 4.06 -4.11	35.08 3.92 -4.34	34.71 3.87 -3.97	36.17 3.86 -4.97	42.24 4.28 -8.86	49.58 6.56 -6.18	60.39 7.86 -8.84	51.92 6.47 -8.50	42.63 5.03 -5.13	44.34 4.87 -7.43	41.62 4.58 -7.09	39.79 4.49 -6.67	43.43 4.50 -10.30	45.52 4.83 -10.50	55.61 5.50 -16.97	69.23 6.58 -26.32	88.67 7.91 -38.65	72.33 6.52 -31.10	68.42 6.41 -27.73	66.71 6.25 -26.32	58.00 6.16 -17.82	53.98 5.41 -17.62	45.15 4.90 -10.91
EAST RIVER___6 23660	29.67 1.33 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.97 1.10 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.43 2.58 0.00	46.96 3.28 0.00	39.88 2.92 0.00	34.78 2.31 0.00	34.25 2.21 0.00	32.05 2.10 0.00	30.69 2.06 0.00	30.64 2.00 0.00	32.46 2.27 0.00	35.83 2.68 0.00	43.28 3.23 -3.72	60.15 3.96 -14.09	48.11 3.16 -10.24	41.75 3.15 -4.32	39.23 2.94 -2.15	36.81 2.79 0.00	33.98 2.48 -0.56	31.48 2.14 0.00
EAST RIVER___7 23524	29.67 1.33 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.97 1.10 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.43 2.58 0.00	46.96 3.28 0.00	39.88 2.92 0.00	34.78 2.31 0.00	34.25 2.21 0.00	32.05 2.10 0.00	30.69 2.06 0.00	30.64 2.00 0.00	32.46 2.27 0.00	35.83 2.68 0.00	43.28 3.23 -3.72	60.15 3.96 -14.09	48.11 3.16 -10.24	41.75 3.15 -4.32	39.23 2.94 -2.15	36.81 2.79 0.00	33.98 2.48 -0.56	31.48 2.14 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	29.50 1.16 0.00	28.72 1.08 0.00	27.87 1.05 0.00	27.92 1.05 0.00	28.30 0.96 0.00	30.20 1.11 0.00	39.17 2.32 0.00	46.74 3.06 0.00	39.55 2.59 0.00	34.48 2.01 0.00	33.94 1.89 0.00	31.78 1.83 0.00	30.43 1.80 0.00	30.41 1.78 0.00	32.15 1.96 0.00	35.40 2.25 0.00	42.99 2.94 -3.71	59.75 3.58 -14.07	47.85 2.92 -10.22	41.44 2.85 -4.32	39.02 2.73 -2.15	36.61 2.59 0.00	33.86 2.35 -0.56	31.39 2.05 0.00
EAST_HAMPTON___DIESEL 23722	41.03 4.28 -8.42	35.82 4.06 -4.11	35.11 3.94 -4.34	34.71 3.87 -3.97	36.19 3.88 -4.97	42.24 4.28 -8.86	49.58 6.56 -6.18	60.39 7.86 -8.84	51.92 6.47 -8.50	42.63 5.03 -5.13	44.34 4.87 -7.43	41.62 4.58 -7.09	39.79 4.49 -6.67	43.43 4.50 -10.30	45.52 4.83 -10.50	55.61 5.50 -16.97	69.23 6.58 -26.32	88.71 7.96 -38.65	72.33 6.52 -31.10	68.42 6.41 -27.73	66.75 6.28 -26.32	58.03 6.19 -17.82	54.01 5.45 -17.62	45.15 4.90 -10.91
EAST_PULASKI___ESR 323781	27.85 -0.48 0.00	27.20 -0.44 0.00	26.34 -0.48 0.00	26.36 -0.51 0.00	26.85 -0.49 0.00	28.60 -0.49 0.00	36.37 -0.48 0.00	43.21 -0.48 -0.01	36.44 -0.52 0.00	31.82 -0.65 0.00	31.34 -0.70 0.00	29.18 -0.78 0.00	27.88 -0.74 0.00	27.89 -0.74 0.00	29.41 -0.78 0.00	32.32 -0.83 0.00	35.92 -0.69 -0.28	42.45 -0.72 -1.06	34.93 -0.56 -0.77	34.02 -0.58 -0.33	33.55 -0.75 -0.16	33.27 -0.75 0.00	30.21 -0.77 -0.04	28.57 -0.76 0.00
EAST_RIVER___1 323558	29.70 1.36 0.00	28.83 1.19 0.00	27.97 1.15 0.00	27.97 1.10 0.00	28.38 1.04 0.00	30.26 1.17 0.00	39.39 2.54 0.00	46.92 3.23 0.00	39.80 2.85 0.00	34.71 2.24 0.00	34.19 2.15 0.00	31.99 2.04 0.00	30.66 2.03 0.00	30.61 1.97 0.00	32.39 2.20 0.00	35.76 2.62 0.00	43.21 3.16 -3.72	60.02 3.83 -14.09	48.04 3.09 -10.24	41.69 3.09 -4.32	39.19 2.90 -2.15	36.81 2.79 0.00	33.98 2.48 -0.56	31.51 2.17 0.00
EAST_RIVER___2 323559	29.67 1.33 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.97 1.10 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.43 2.58 0.00	46.96 3.28 0.00	39.88 2.92 0.00	34.78 2.31 0.00	34.25 2.21 0.00	32.05 2.10 0.00	30.69 2.06 0.00	30.64 2.00 0.00	32.46 2.27 0.00	35.83 2.68 0.00	43.28 3.23 -3.72	60.15 3.96 -14.09	48.11 3.16 -10.24	41.75 3.15 -4.32	39.23 2.94 -2.15	36.81 2.79 0.00	33.98 2.48 -0.56	31.48 2.14 0.00
EAST___DELAWARE_HYD 23607	29.61 1.28 0.00	28.78 1.13 0.00	27.87 1.04 0.00	27.89 1.02 0.00	28.35 1.01 0.00	30.32 1.22 0.00	39.24 2.39 0.00	46.30 2.62 0.00	39.21 2.25 0.00	34.19 1.72 0.00	33.55 1.51 0.00	31.36 1.41 0.00	29.94 1.32 0.00	29.92 1.29 0.00	30.91 0.72 0.00	34.21 1.06 0.00	41.28 1.56 -3.39	56.94 1.98 -12.85	45.79 1.73 -9.34	39.90 1.68 -3.94	37.64 1.54 -1.96	35.42 1.40 0.00	33.47 2.01 -0.51	31.13 1.79 0.00
EIGHT_POINT___WT_PWR 323820	29.53 1.19 0.00	28.83 1.19 0.00	28.00 1.18 0.00	28.13 1.26 0.00	28.76 1.42 0.00	30.87 1.78 0.00	39.28 2.43 0.00	46.31 2.58 -0.05	39.29 2.33 0.00	34.25 1.78 0.00	33.45 1.41 0.00	30.89 0.93 0.00	29.34 0.72 0.00	29.32 0.69 0.00	30.89 0.69 0.00	33.61 0.46 0.00	37.79 0.62 -0.84	45.81 0.55 -3.16	37.41 0.38 -2.31	35.29 0.03 -0.98	34.89 -0.31 -1.06	35.40 -0.61 -1.99	30.90 -0.83 -0.80	28.90 -0.44 0.00
ELBRIDGE_115KV_TB2 80188	28.65 0.31 0.00	27.95 0.30 0.00	27.06 0.24 0.00	27.06 0.19 0.00	27.59 0.25 0.00	29.50 0.41 0.00	37.47 0.63 0.00	44.45 0.74 -0.02	37.55 0.59 0.00	32.79 0.32 0.00	32.24 0.19 0.00	29.96 0.00 0.00	28.60 -0.03 0.00	28.63 0.00 0.00	30.16 -0.03 0.00	33.21 0.07 0.00	36.92 0.18 -0.41	43.94 0.29 -1.54	36.15 0.31 -1.12	34.92 0.17 -0.47	34.64 -0.03 -0.53	34.91 -0.14 -1.03	31.07 -0.28 -0.41	29.10 -0.23 0.00
ELEC_TRO_TEK 24086	36.05 1.70 -6.01	32.24 1.66 -2.94	31.53 1.61 -3.10	31.33 1.64 -2.82	32.43 1.56 -3.53	37.12 1.72 -6.31	44.28 3.02 -4.41	53.84 3.84 -6.31	46.31 3.29 -6.07	38.73 2.60 -3.66	39.81 2.47 -5.30	37.41 2.40 -5.06	35.76 2.38 -4.76	38.33 2.35 -7.35	40.25 2.57 -7.49	48.16 2.92 -12.10	59.68 3.52 -19.83	100.46 4.13 -54.23	82.40 3.37 -44.32	80.22 3.36 -42.58	56.77 3.24 -19.38	49.86 3.13 -12.71	46.58 2.91 -12.73	39.73 2.61 -7.78
ELLENBURG_WT_PWR 323604	28.34 0.00 0.00	27.81 0.17 0.00	27.06 0.24 0.00	27.25 0.38 0.00	27.89 0.55 0.00	29.42 0.32 0.00	36.19 -0.66 0.00	42.85 -0.83 0.00	36.29 -0.66 0.00	32.57 0.10 0.00	32.24 0.19 0.00	30.02 0.06 0.00	28.54 -0.09 0.00	28.52 -0.11 0.00	29.92 -0.27 0.00	32.78 -0.36 0.00	35.50 -0.83 0.00	40.38 -1.73 0.00	33.46 -1.25 0.00	32.84 -1.44 0.00	32.64 -1.50 0.00	32.46 -1.56 0.00	29.83 -1.11 0.00	28.19 -1.14 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	27.88 -0.45 0.00	27.09 -0.55 0.00	26.12 -0.70 0.00	26.15 -0.73 0.00	26.77 -0.57 0.00	28.52 -0.58 0.00	35.41 -1.44 0.00	40.35 -3.32 0.01	35.04 -1.92 0.00	30.42 -2.05 0.00	30.03 -2.02 0.00	27.71 -2.25 0.00	26.39 -2.23 0.00	26.46 -2.18 0.00	27.66 -2.54 0.00	30.46 -2.68 0.00	32.62 -4.07 -0.36	38.80 -4.76 -1.45	31.93 -3.75 -0.97	30.85 -3.84 -0.41	29.71 -4.20 0.24	28.05 -4.29 1.69	26.45 -4.02 0.47	26.17 -3.17 0.00
EMPIRE_CC_1 323656	28.99 0.65 0.00	28.25 0.61 0.00	27.44 0.62 0.00	27.49 0.62 0.00	27.94 0.60 0.00	29.74 0.64 0.00	38.03 1.18 0.00	45.12 1.44 0.00	38.10 1.15 0.00	33.12 0.65 0.00	32.85 0.80 0.00	30.76 0.81 0.00	29.48 0.86 0.00	29.52 0.89 0.00	31.13 0.94 0.00	34.34 1.19 0.00	42.22 1.45 -4.44	60.54 1.60 -16.84	48.29 1.35 -12.23	40.78 1.34 -5.16	38.01 1.30 -2.57	35.38 1.36 0.00	32.92 1.30 -0.68	30.57 1.23 0.00
EMPIRE_CC_2 323658	28.99 0.65 0.00	28.25 0.61 0.00	27.44 0.62 0.00	27.49 0.62 0.00	27.94 0.60 0.00	29.74 0.64 0.00	38.03 1.18 0.00	45.12 1.44 0.00	38.10 1.15 0.00	33.12 0.65 0.00	32.85 0.80 0.00	30.76 0.81 0.00	29.48 0.86 0.00	29.52 0.89 0.00	31.13 0.94 0.00	34.34 1.19 0.00	42.22 1.45 -4.44	60.54 1.60 -16.84	48.29 1.35 -12.23	40.78 1.34 -5.16	38.01 1.30 -2.57	35.38 1.36 0.00	32.92 1.30 -0.68	30.57 1.23 0.00
ENORWICH_115KV_TB1 80156	30.94 2.61 0.00	30.32 2.68 0.00	29.37 2.55 0.00	29.42 2.55 0.00	30.02 2.68 0.00	32.30 3.20 0.00	41.75 4.90 0.00	49.42 5.72 -0.02	41.69 4.73 0.00	36.17 3.70 0.00	35.15 3.11 0.00	32.50 2.55 0.00	31.09 2.46 0.00	30.89 2.26 0.00	32.52 2.32 0.00	36.06 2.92 0.00	41.54 4.03 -1.18	51.49 4.93 -4.46	41.88 3.92 -3.25	39.46 3.81 -1.37	38.30 3.31 -0.85	37.64 3.03 -0.59	33.67 2.35 -0.38	31.62 2.29 0.00
ERIE_ST__34_KV_TB1-2 80199	28.90 0.57 0.00	28.06 0.41 0.00	27.06 0.24 0.00	27.11 0.24 0.00	27.78 0.44 0.00	29.62 0.52 0.00	37.03 0.18 0.00	40.79 -2.88 0.01	36.44 -0.52 0.00	31.59 -0.88 0.00	31.15 -0.90 0.00	28.79 -1.17 0.00	27.40 -1.23 0.00	27.49 -1.15 0.00	28.71 -1.48 0.00	31.59 -1.56 0.00	33.19 -3.56 -0.42	39.70 -4.04 -1.64	32.41 -3.61 -1.13	31.37 -3.39 -0.48	30.23 -3.76 0.15	28.78 -3.78 1.47	26.73 -3.81 0.40	27.40 -1.94 0.00
ERIE_WT_PWR 323693	28.05 -0.28 0.00	27.34 -0.30 0.00	26.39 -0.43 0.00	26.58 -0.29 0.00	27.07 -0.27 0.00	28.75 -0.35 0.00	35.41 -1.44 0.00	40.83 -2.84 0.01	35.26 -1.70 0.00	30.68 -1.79 0.00	29.99 -2.05 0.00	27.83 -2.13 0.00	26.42 -2.20 0.00	26.54 -2.09 0.00	27.77 -2.42 0.00	29.50 -3.65 0.00	32.79 -3.96 -0.42	39.20 -4.59 -1.68	32.25 -3.61 -1.14	31.00 -3.77 -0.49	29.83 -4.13 0.18	28.05 -4.35 1.61	26.45 -4.05 0.44	26.28 -3.05 0.00
ESPRGFLD_115KV_TB1 80157	29.67 1.33 0.00	28.97 1.33 0.00	28.11 1.29 0.00	28.16 1.29 0.00	28.68 1.34 0.00	30.73 1.63 0.00	39.61 2.76 0.00	46.88 3.19 0.00	39.62 2.66 0.00	34.52 2.05 0.00	33.84 1.79 0.00	31.42 1.47 0.00	30.03 1.40 0.00	29.98 1.35 0.00	31.67 1.48 0.00	35.00 1.86 0.00	38.80 2.40 -0.07	45.29 2.95 -0.24	37.30 2.40 -0.19	36.69 2.33 -0.08	36.32 2.15 -0.03	36.13 2.11 0.00	32.65 1.70 0.00	30.89 1.55 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	29.13 0.79 0.00	28.44 0.80 0.00	27.55 0.72 0.00	27.57 0.70 0.00	28.11 0.77 0.00	30.06 0.96 0.00	38.36 1.51 0.00	45.46 1.75 -0.03	38.40 1.44 0.00	33.44 0.97 0.00	32.81 0.77 0.00	30.50 0.54 0.00	29.11 0.49 0.00	29.12 0.49 0.00	30.67 0.48 0.00	33.87 0.73 0.00	38.16 0.98 -0.84	46.51 1.22 -3.19	38.08 1.04 -2.32	36.19 0.93 -0.98	35.60 0.68 -0.78	35.57 0.54 -1.01	31.72 0.31 -0.47	29.72 0.38 0.00
ETNA____115KV_TB2 80207	29.13 0.79 0.00	28.44 0.80 0.00	27.55 0.72 0.00	27.57 0.70 0.00	28.11 0.77 0.00	30.06 0.96 0.00	38.36 1.51 0.00	45.46 1.75 -0.03	38.40 1.44 0.00	33.44 0.97 0.00	32.81 0.77 0.00	30.50 0.54 0.00	29.11 0.49 0.00	29.12 0.49 0.00	30.67 0.48 0.00	33.87 0.73 0.00	38.16 0.98 -0.84	46.51 1.22 -3.19	38.08 1.04 -2.32	36.19 0.93 -0.98	35.60 0.68 -0.78	35.57 0.54 -1.01	31.72 0.31 -0.47	29.72 0.38 0.00
EUCLID___115KV_TB2 356179	27.85 -0.48 0.00	27.17 -0.47 0.00	26.34 -0.48 0.00	26.36 -0.51 0.00	26.85 -0.49 0.00	28.60 -0.49 0.00	36.33 -0.52 0.00	43.08 -0.61 -0.01	36.44 -0.52 0.00	31.85 -0.62 0.00	31.40 -0.64 0.00	29.30 -0.66 0.00	27.97 -0.66 0.00	28.00 -0.63 0.00	29.50 -0.69 0.00	32.42 -0.73 0.00	35.96 -0.69 -0.32	42.56 -0.76 -1.22	34.97 -0.62 -0.88	33.97 -0.69 -0.37	33.54 -0.79 -0.19	33.20 -0.82 0.00	30.19 -0.80 -0.05	28.57 -0.76 0.00
E_CANADA_CAP_HY 24051	29.72 1.39 0.00	29.00 1.35 0.00	28.22 1.39 0.00	28.27 1.40 0.00	28.82 1.48 0.00	30.81 1.72 0.00	39.80 2.95 0.00	47.09 3.41 0.00	39.73 2.77 0.00	34.52 2.05 0.00	33.90 1.86 0.00	31.48 1.53 0.00	30.06 1.43 0.00	30.06 1.43 0.00	31.82 1.63 0.00	35.17 2.02 0.00	44.38 2.58 -5.47	66.00 3.16 -20.74	52.42 2.64 -15.07	43.11 2.47 -6.36	39.69 2.39 -3.16	36.54 2.52 0.00	33.85 2.07 -0.83	31.22 1.88 0.00
E_CANADA_MHWK_HY 24050	28.70 0.37 0.00	28.03 0.39 0.00	27.22 0.40 0.00	27.30 0.43 0.00	27.81 0.46 0.00	29.71 0.61 0.00	37.88 1.03 0.00	44.99 1.31 0.00	38.07 1.11 0.00	33.31 0.84 0.00	32.85 0.80 0.00	30.61 0.66 0.00	29.23 0.60 0.00	29.20 0.57 0.00	30.79 0.60 0.00	33.91 0.76 0.00	37.35 1.02 0.00	43.28 1.18 0.00	35.61 0.90 0.00	35.14 0.86 0.00	34.89 0.75 0.00	34.77 0.75 0.00	31.53 0.59 0.00	29.87 0.53 0.00
E_FISHKILL___LBMP 23776	29.36 1.02 0.00	28.58 0.94 0.00	27.73 0.91 0.00	27.81 0.94 0.00	28.19 0.85 0.00	30.09 0.99 0.00	38.91 2.06 0.00	46.39 2.71 0.00	39.21 2.25 0.00	34.16 1.69 0.00	33.68 1.63 0.00	31.54 1.59 0.00	30.20 1.57 0.00	30.21 1.57 0.00	31.94 1.75 0.00	35.13 1.99 0.00	42.77 2.65 -3.79	59.67 3.20 -14.37	47.76 2.60 -10.44	41.26 2.57 -4.41	38.79 2.46 -2.19	36.33 2.31 0.00	33.65 2.14 -0.57	31.21 1.88 0.00
FALCON___SEABRD_CC1 323796	28.70 0.37 0.00	28.17 0.52 0.00	27.41 0.59 0.00	27.57 0.70 0.00	28.27 0.93 0.00	29.65 0.55 0.00	36.22 -0.63 0.00	42.90 -0.79 0.00	36.33 -0.63 0.00	32.83 0.36 0.00	32.46 0.42 0.00	30.22 0.27 0.00	28.74 0.11 0.00	28.72 0.09 0.00	30.10 -0.09 0.00	33.01 -0.13 0.00	35.75 -0.58 0.00	40.42 -1.69 0.00	33.71 -1.01 0.00	33.11 -1.17 0.00	32.88 -1.26 0.00	32.69 -1.33 0.00	30.17 -0.77 0.00	28.52 -0.82 0.00
FALCON___SEABRD_CC2 323797	28.70 0.37 0.00	28.17 0.52 0.00	27.41 0.59 0.00	27.57 0.70 0.00	28.27 0.93 0.00	29.65 0.55 0.00	36.22 -0.63 0.00	42.90 -0.79 0.00	36.33 -0.63 0.00	32.83 0.36 0.00	32.46 0.42 0.00	30.22 0.27 0.00	28.74 0.11 0.00	28.72 0.09 0.00	30.10 -0.09 0.00	33.01 -0.13 0.00	35.75 -0.58 0.00	40.42 -1.69 0.00	33.71 -1.01 0.00	33.11 -1.17 0.00	32.88 -1.26 0.00	32.69 -1.33 0.00	30.17 -0.77 0.00	28.52 -0.82 0.00



FAR ROCKAWAY___4 23548	38.33 2.30 -7.70	33.62 2.21 -3.77	32.93 2.15 -3.97	32.64 2.15 -3.62	33.97 2.11 -4.53	39.49 2.30 -8.10	46.32 3.83 -5.64	56.57 4.81 -8.08	48.83 4.10 -7.77	40.40 3.25 -4.68	41.97 3.14 -6.79	39.42 3.00 -6.47	37.63 2.92 -6.09	40.96 2.92 -9.41	42.95 3.17 -9.59	52.25 3.61 -15.49	64.57 3.89 -24.35	97.28 4.59 -50.58	79.72 3.78 -41.22	77.12 3.74 -39.10	61.99 3.62 -24.23	53.77 3.47 -16.28	50.69 3.59 -16.16	42.50 3.20 -9.96
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	29.58 1.25 0.00	28.80 1.16 0.00	27.95 1.13 0.00	28.00 1.13 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.35 2.51 0.00	47.00 3.32 0.00	39.80 2.85 0.00	34.71 2.24 0.00	34.13 2.08 0.00	31.99 2.04 0.00	30.63 2.00 0.00	30.61 1.98 0.00	32.36 2.17 0.00	35.66 2.52 0.00	43.21 3.16 -3.72	60.07 3.87 -14.10	48.08 3.12 -10.24	41.69 3.09 -4.33	39.23 2.94 -2.15	36.78 2.76 0.00	34.01 2.51 -0.56	31.51 2.17 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	29.58 1.25 0.00	28.80 1.16 0.00	27.95 1.13 0.00	28.00 1.13 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.35 2.51 0.00	47.00 3.32 0.00	39.80 2.85 0.00	34.71 2.24 0.00	34.13 2.08 0.00	31.99 2.04 0.00	30.63 2.00 0.00	30.61 1.98 0.00	32.36 2.17 0.00	35.66 2.52 0.00	43.21 3.16 -3.72	60.07 3.87 -14.10	48.08 3.12 -10.24	41.69 3.09 -4.33	39.23 2.94 -2.15	36.78 2.76 0.00	34.01 2.51 -0.56	31.51 2.17 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	29.55 1.22 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.32 2.47 0.00	46.96 3.28 0.00	39.80 2.85 0.00	34.71 2.24 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.98 0.00	30.58 1.95 0.00	32.36 2.17 0.00	35.63 2.49 0.00	43.21 3.16 -3.72	60.03 3.83 -14.10	48.05 3.09 -10.24	41.69 3.09 -4.33	39.19 2.90 -2.15	36.74 2.72 0.00	33.98 2.48 -0.56	31.51 2.17 0.00
FARRAGUT___LBMP 323566	29.53 1.19 0.00	28.75 1.11 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.20 1.11 0.00	39.28 2.43 0.00	46.92 3.23 0.00	39.73 2.77 0.00	34.68 2.21 0.00	34.10 2.05 0.00	31.93 1.98 0.00	30.57 1.95 0.00	30.55 1.92 0.00	32.33 2.14 0.00	35.60 2.45 0.00	43.17 3.12 -3.72	59.99 3.79 -14.10	48.01 3.05 -10.24	41.66 3.05 -4.33	39.16 2.87 -2.15	36.71 2.69 0.00	33.95 2.44 -0.56	31.48 2.14 0.00
FENNER___WINDPWR 24204	28.99 0.65 0.00	28.30 0.66 0.00	27.44 0.62 0.00	27.49 0.62 0.00	27.97 0.63 0.00	29.88 0.79 0.00	38.10 1.25 0.00	45.22 1.53 -0.01	38.18 1.22 0.00	33.28 0.81 0.00	32.72 0.67 0.00	30.43 0.48 0.00	29.08 0.46 0.00	29.06 0.43 0.00	30.64 0.45 0.00	33.71 0.56 0.00	37.73 0.94 -0.46	44.97 1.14 -1.73	36.88 0.86 -1.27	35.67 0.86 -0.53	35.19 0.68 -0.36	34.98 0.61 -0.34	31.53 0.40 -0.18	29.78 0.44 0.00
FIBERTEK___ENERGY 23856	28.51 0.17 0.00	27.83 0.19 0.00	26.96 0.13 0.00	26.95 0.08 0.00	27.48 0.14 0.00	29.36 0.26 0.00	37.33 0.48 0.00	44.31 0.61 -0.02	37.40 0.44 0.00	32.70 0.23 0.00	32.17 0.13 0.00	29.93 -0.03 0.00	28.57 -0.06 0.00	28.60 -0.03 0.00	30.13 -0.06 0.00	33.18 0.03 0.00	36.86 0.15 -0.38	43.81 0.25 -1.46	36.01 0.24 -1.06	34.86 0.14 -0.45	34.55 -0.03 -0.44	34.68 -0.10 -0.76	31.04 -0.22 -0.32	29.10 -0.23 0.00
FITZPATRICK___ 23598	27.34 -0.99 0.00	26.70 -0.94 0.00	25.88 -0.94 0.00	25.93 -0.94 0.00	26.38 -0.96 0.00	28.08 -1.02 0.00	35.60 -1.25 0.00	42.28 -1.40 0.00	35.74 -1.22 0.00	31.30 -1.17 0.00	30.83 -1.22 0.00	28.79 -1.17 0.00	27.48 -1.15 0.00	27.51 -1.12 0.00	28.98 -1.21 0.00	31.82 -1.33 0.00	35.21 -1.34 -0.22	41.43 -1.51 -0.84	34.07 -1.25 -0.61	33.27 -1.27 -0.26	32.90 -1.37 -0.13	32.59 -1.43 0.00	29.68 -1.30 -0.03	28.11 -1.23 0.00
FLOWRFLD_69_KV_BK1 356044	39.26 2.52 -8.41	34.21 2.46 -4.11	33.57 2.41 -4.34	33.28 2.45 -3.96	34.71 2.41 -4.96	40.54 2.59 -8.85	47.25 4.24 -6.17	57.80 5.29 -8.83	49.91 4.47 -8.48	41.06 3.47 -5.12	42.83 3.36 -7.42	40.24 3.21 -7.07	38.43 3.15 -6.66	42.09 3.18 -10.28	44.12 3.44 -10.49	54.03 3.94 -16.94	67.31 4.69 -26.29	86.31 5.47 -38.74	70.36 4.48 -31.17	66.56 4.46 -27.82	64.76 4.34 -26.29	56.00 4.18 -17.79	52.35 3.81 -17.60	43.66 3.43 -10.89
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	29.70 1.36 0.00	28.91 1.27 0.00	28.03 1.21 0.00	28.11 1.24 0.00	28.52 1.18 0.00	30.46 1.37 0.00	39.43 2.58 0.00	46.74 3.06 0.00	39.55 2.59 0.00	34.45 1.98 0.00	33.84 1.79 0.00	31.66 1.71 0.00	30.26 1.63 0.00	30.26 1.63 0.00	32.06 1.87 0.00	35.33 2.19 0.00	43.02 2.94 -3.75	59.85 3.54 -14.21	48.02 2.99 -10.32	41.55 2.91 -4.36	39.07 2.77 -2.17	36.61 2.59 0.00	33.89 2.38 -0.57	31.45 2.11 0.00
FORT ORANGE___ 23900	29.01 0.68 0.00	28.28 0.64 0.00	27.55 0.72 0.00	27.60 0.73 0.00	28.03 0.68 0.00	29.74 0.64 0.00	38.10 1.25 0.00	45.17 1.49 0.00	38.14 1.18 0.00	33.18 0.71 0.00	32.88 0.83 0.00	30.83 0.87 0.00	29.48 0.86 0.00	29.52 0.89 0.00	31.16 0.97 0.00	34.30 1.16 0.00	42.37 1.45 -4.58	61.17 1.69 -17.38	48.76 1.42 -12.62	40.98 1.37 -5.33	38.13 1.33 -2.65	35.31 1.29 0.00	32.88 1.24 -0.70	30.63 1.29 0.00
FORT_DRUM_COGEN 23780	28.11 -0.23 0.00	27.50 -0.14 0.00	26.63 -0.19 0.00	26.68 -0.19 0.00	27.15 -0.19 0.00	28.95 -0.15 0.00	36.92 0.07 0.00	43.81 0.13 0.00	36.81 -0.15 0.00	32.05 -0.42 0.00	31.44 -0.61 0.00	29.09 -0.87 0.00	27.77 -0.86 0.00	27.72 -0.92 0.00	29.22 -0.97 0.00	32.22 -0.93 0.00	36.09 -0.44 -0.20	42.63 -0.21 -0.74	35.01 -0.24 -0.54	34.30 -0.21 -0.23	33.88 -0.38 -0.11	33.61 -0.41 0.00	30.38 -0.59 -0.03	28.72 -0.62 0.00
FOX_HILLS___ESR 323835	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.20 1.11 0.00	39.35 2.51 0.00	47.00 3.32 0.00	39.80 2.85 0.00	34.77 2.31 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.98 0.00	30.58 1.95 0.00	32.40 2.20 0.00	35.70 2.55 0.00	43.36 3.31 -3.72	60.33 4.13 -14.10	48.29 3.33 -10.25	41.90 3.29 -4.33	39.30 3.00 -2.15	36.84 2.82 0.00	34.14 2.63 -0.56	31.65 2.32 0.00
FPL_FAR_ROCK_GT1 24212	38.42 2.38 -7.70	33.65 2.24 -3.77	32.96 2.17 -3.97	32.64 2.15 -3.62	34.00 2.13 -4.53	39.49 2.30 -8.10	46.47 3.98 -5.64	56.52 4.76 -8.08	48.83 4.10 -7.77	40.37 3.22 -4.68	41.97 3.14 -6.79	39.42 3.00 -6.47	37.64 2.92 -6.09	40.93 2.89 -9.41	42.95 3.17 -9.59	52.32 3.68 -15.49	64.53 3.85 -24.35	97.23 4.55 -50.58	79.68 3.75 -41.22	77.08 3.70 -39.10	61.98 3.62 -24.23	53.84 3.54 -16.28	50.69 3.59 -16.16	42.50 3.20 -9.96
FPL_FAR_ROCK_GT2 23815	38.42 2.38 -7.70	33.65 2.24 -3.77	32.96 2.17 -3.97	32.64 2.15 -3.62	34.00 2.13 -4.53	39.49 2.30 -8.10	46.47 3.98 -5.64	56.52 4.76 -8.08	48.83 4.10 -7.77	40.37 3.22 -4.68	41.97 3.14 -6.79	39.42 3.00 -6.47	37.64 2.92 -6.09	40.93 2.89 -9.41	42.95 3.17 -9.59	52.32 3.68 -15.49	64.53 3.85 -24.35	97.23 4.55 -50.58	79.68 3.75 -41.22	77.08 3.70 -39.10	61.98 3.62 -24.23	53.84 3.54 -16.28	50.69 3.59 -16.16	42.50 3.20 -9.96



FRANKLIN_FALL_HYD 24054	28.73 0.40 0.00	28.17 0.53 0.00	27.38 0.56 0.00	27.46 0.59 0.00	28.16 0.82 0.00	29.77 0.67 0.00	36.66 -0.18 0.00	43.42 -0.26 0.00	36.81 -0.15 0.00	32.83 0.36 0.00	32.46 0.42 0.00	30.20 0.24 0.00	28.74 0.11 0.00	28.72 0.09 0.00	30.10 -0.09 0.00	32.98 -0.17 0.00	35.75 -0.58 0.00	40.97 -1.14 0.00	33.81 -0.90 0.00	33.29 -0.99 0.00	33.19 -0.96 0.00	33.07 -0.95 0.00	30.20 -0.74 0.00	28.60 -0.73 0.00
FREEPORT_EQUS_GT1 23764	37.82 2.13 -7.35	33.20 1.96 -3.60	32.52 1.90 -3.79	32.21 1.88 -3.46	33.53 1.86 -4.33	38.87 2.04 -7.74	45.78 3.54 -5.39	55.60 4.19 -7.72	48.04 3.66 -7.42	39.84 2.89 -4.48	41.35 2.82 -6.49	38.84 2.70 -6.19	37.11 2.66 -5.82	40.26 2.63 -8.99	42.23 2.87 -9.17	51.27 3.31 -14.81	63.67 3.89 -23.44	92.05 4.59 -45.36	75.25 3.75 -36.79	72.14 3.74 -34.12	61.01 3.62 -23.25	53.12 3.54 -15.56	49.62 3.22 -15.46	41.74 2.88 -9.52
FREEPORT___CT2 23818	37.82 2.13 -7.35	33.20 1.96 -3.60	32.52 1.90 -3.79	32.21 1.88 -3.46	33.53 1.86 -4.33	38.87 2.04 -7.74	45.78 3.54 -5.39	55.60 4.19 -7.72	48.04 3.66 -7.42	39.84 2.89 -4.48	41.35 2.82 -6.49	38.84 2.70 -6.19	37.11 2.66 -5.82	40.26 2.63 -8.99	42.23 2.87 -9.17	51.27 3.31 -14.81	63.67 3.89 -23.44	92.05 4.59 -45.36	75.25 3.75 -36.79	72.14 3.74 -34.12	61.01 3.62 -23.25	53.12 3.54 -15.56	49.62 3.22 -15.46	41.74 2.88 -9.52
FRESHKLS_33_KV_LOAD 356253	29.75 1.42 0.00	28.94 1.30 0.00	28.05 1.23 0.00	28.08 1.21 0.00	28.44 1.09 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.00 3.32 0.00	39.80 2.85 0.00	34.74 2.27 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.57 1.95 0.00	30.55 1.92 0.00	32.36 2.17 0.00	35.70 2.55 0.00	43.36 3.31 -3.72	60.33 4.13 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.30 3.00 -2.15	36.88 2.86 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
FULTON COGEN____ 23766	27.71 -0.62 0.00	27.06 -0.58 0.00	26.23 -0.59 0.00	26.25 -0.62 0.00	26.71 -0.63 0.00	28.49 -0.61 0.00	36.22 -0.63 0.00	43.04 -0.66 -0.01	36.33 -0.63 0.00	31.76 -0.71 0.00	31.28 -0.77 0.00	29.15 -0.81 0.00	27.82 -0.80 0.00	27.86 -0.77 0.00	29.38 -0.82 0.00	32.32 -0.83 0.00	35.88 -0.76 -0.31	42.42 -0.84 -1.16	34.90 -0.66 -0.84	33.92 -0.72 -0.36	33.47 -0.85 -0.18	33.10 -0.92 0.00	30.09 -0.90 -0.05	28.46 -0.88 0.00
FULTON___LFGE 323630	31.08 2.75 0.00	30.27 2.63 0.00	29.53 2.71 0.00	29.61 2.74 0.00	30.21 2.87 0.00	32.24 3.14 0.00	41.79 4.94 0.00	49.32 5.64 0.00	41.43 4.47 0.00	35.88 3.41 0.00	35.25 3.20 0.00	32.68 2.73 0.00	31.06 2.43 0.00	31.12 2.49 0.00	33.09 2.90 0.00	36.79 3.65 0.00	46.35 4.80 -5.22	67.63 5.73 -19.80	53.86 4.76 -14.39	44.81 4.45 -6.08	41.70 4.54 -3.02	38.38 4.36 0.00	35.38 3.65 -0.79	32.62 3.28 0.00
G.F.CEMENT___DRP 24184	29.33 0.99 0.00	28.53 0.88 0.00	27.81 0.99 0.00	27.89 1.02 0.00	28.38 1.04 0.00	30.26 1.16 0.00	39.02 2.17 0.00	46.39 2.71 0.00	39.10 2.14 0.00	33.93 1.46 0.00	33.49 1.44 0.00	31.21 1.26 0.00	29.74 1.12 0.00	29.78 1.15 0.00	31.58 1.39 0.00	34.64 1.49 0.00	43.19 2.11 -4.75	62.53 2.40 -18.02	49.81 2.01 -13.09	41.66 1.85 -5.53	38.77 1.88 -2.75	35.82 1.80 0.00	33.28 1.61 -0.72	30.86 1.53 0.00
GARDENVILLE___LBMP 24039	28.02 -0.31 0.00	27.23 -0.41 0.00	26.26 -0.56 0.00	26.28 -0.59 0.00	26.90 -0.44 0.00	28.66 -0.44 0.00	35.63 -1.22 0.00	40.48 -3.19 0.01	35.22 -1.74 0.00	30.59 -1.88 0.00	30.15 -1.89 0.00	27.83 -2.13 0.00	26.51 -2.12 0.00	26.57 -2.06 0.00	27.75 -2.45 0.00	30.59 -2.55 0.00	32.70 -4.00 -0.37	38.91 -4.67 -1.48	32.03 -3.68 -1.00	30.93 -3.77 -0.42	29.76 -4.17 0.22	28.15 -4.22 1.65	26.49 -3.99 0.46	26.26 -3.08 0.00
GARDNVLA_35_KV_LD 355827	28.17 -0.17 0.00	27.37 -0.28 0.00	26.39 -0.43 0.00	26.41 -0.46 0.00	27.04 -0.30 0.00	28.81 -0.29 0.00	35.82 -1.03 0.00	40.66 -3.01 0.01	35.41 -1.55 0.00	30.75 -1.72 0.00	30.31 -1.73 0.00	27.95 -2.01 0.00	26.62 -2.00 0.00	26.68 -1.95 0.00	27.90 -2.29 0.00	30.73 -2.42 0.00	32.79 -3.92 -0.38	39.08 -4.55 -1.53	32.17 -3.58 -1.03	31.05 -3.67 -0.44	29.88 -4.06 0.20	28.27 -4.15 1.60	26.57 -3.93 0.44	26.37 -2.96 0.00
GELCKHM___115KV_LOAD 80723	28.08 -0.26 0.00	27.42 -0.22 0.00	26.55 -0.27 0.00	26.58 -0.30 0.00	27.10 -0.25 0.00	28.89 -0.20 0.00	36.70 -0.15 0.00	43.56 -0.13 -0.01	36.81 -0.15 0.00	32.18 -0.29 0.00	31.69 -0.35 0.00	29.54 -0.42 0.00	28.20 -0.43 0.00	28.23 -0.40 0.00	29.74 -0.45 0.00	32.71 -0.43 0.00	36.31 -0.36 -0.34	43.03 -0.38 -1.30	35.38 -0.28 -0.95	34.30 -0.38 -0.40	33.96 -0.51 -0.33	33.91 -0.54 -0.44	30.56 -0.59 -0.20	28.78 -0.56 0.00
GENERAL___MILLS 23808	28.11 -0.23 0.00	27.31 -0.33 0.00	26.34 -0.48 0.00	26.39 -0.48 0.00	27.01 -0.33 0.00	28.78 -0.32 0.00	35.74 -1.11 0.00	40.57 -3.10 0.01	35.33 -1.63 0.00	30.68 -1.79 0.00	30.25 -1.79 0.00	27.92 -2.04 0.00	26.59 -2.03 0.00	26.66 -1.98 0.00	27.84 -2.35 0.00	30.69 -2.45 0.00	32.75 -3.96 -0.38	39.03 -4.59 -1.52	32.09 -3.64 -1.02	30.98 -3.74 -0.44	29.84 -4.10 0.21	28.22 -4.18 1.61	26.53 -3.96 0.45	26.34 -2.99 0.00
GE_PLASTICS___DRP 24183	29.02 0.68 0.00	28.25 0.61 0.00	27.49 0.67 0.00	27.54 0.67 0.00	27.97 0.63 0.00	29.65 0.55 0.00	37.88 1.03 0.00	44.99 1.31 0.00	38.03 1.07 0.00	33.12 0.65 0.00	32.78 0.74 0.00	30.70 0.75 0.00	29.40 0.77 0.00	29.43 0.80 0.00	31.04 0.85 0.00	34.07 0.93 0.00	42.23 1.31 -4.59	61.02 1.52 -17.40	48.60 1.25 -12.64	40.85 1.23 -5.34	37.99 1.19 -2.66	35.14 1.12 0.00	32.76 1.11 -0.70	30.42 1.09 0.00
GILBOA___1 23756	28.96 0.62 0.00	28.19 0.55 0.00	27.39 0.56 0.00	27.41 0.54 0.00	27.86 0.52 0.00	29.71 0.61 0.00	38.10 1.25 0.00	45.08 1.40 0.00	38.25 1.29 0.00	33.35 0.88 0.00	32.91 0.87 0.00	30.79 0.84 0.00	29.46 0.83 0.00	29.46 0.83 0.00	31.10 0.90 0.00	34.24 1.09 0.00	41.39 1.42 -3.65	57.53 1.60 -13.82	46.05 1.29 -10.05	39.86 1.34 -4.24	37.51 1.26 -2.11	35.24 1.22 0.00	32.58 1.08 -0.55	30.33 1.00 0.00
GILBOA___2 23757	28.96 0.62 0.00	28.19 0.55 0.00	27.39 0.56 0.00	27.41 0.54 0.00	27.86 0.52 0.00	29.71 0.61 0.00	38.10 1.25 0.00	45.08 1.40 0.00	38.25 1.29 0.00	33.35 0.88 0.00	32.91 0.87 0.00	30.79 0.84 0.00	29.46 0.83 0.00	29.46 0.83 0.00	31.10 0.90 0.00	34.24 1.09 0.00	41.39 1.42 -3.65	57.53 1.60 -13.82	46.05 1.29 -10.05	39.86 1.34 -4.24	37.51 1.26 -2.11	35.24 1.22 0.00	32.58 1.08 -0.55	30.33 1.00 0.00
GILBOA___3 23758	28.96 0.62 0.00	28.19 0.55 0.00	27.39 0.56 0.00	27.41 0.54 0.00	27.86 0.52 0.00	29.71 0.61 0.00	38.10 1.25 0.00	45.08 1.40 0.00	38.25 1.29 0.00	33.35 0.88 0.00	32.91 0.87 0.00	30.79 0.84 0.00	29.46 0.83 0.00	29.46 0.83 0.00	31.10 0.90 0.00	34.24 1.09 0.00	41.39 1.42 -3.65	57.53 1.60 -13.82	46.05 1.29 -10.05	39.86 1.34 -4.24	37.51 1.26 -2.11	35.24 1.22 0.00	32.58 1.08 -0.55	30.33 1.00 0.00



GILBOA___4 23759	28.96 0.62 0.00	28.19 0.55 0.00	27.39 0.56 0.00	27.41 0.54 0.00	27.86 0.52 0.00	29.71 0.61 0.00	38.10 1.25 0.00	45.08 1.40 0.00	38.25 1.29 0.00	33.35 0.88 0.00	32.91 0.87 0.00	30.79 0.84 0.00	29.46 0.83 0.00	29.46 0.83 0.00	31.10 0.90 0.00	34.24 1.09 0.00	41.39 1.42 -3.65	57.53 1.60 -13.82	46.05 1.29 -10.05	39.86 1.34 -4.24	37.51 1.26 -2.11	35.24 1.22 0.00	32.58 1.08 -0.55	30.33 1.00 0.00
GILBOA____ 23599	28.96 0.62 0.00	28.19 0.55 0.00	27.38 0.56 0.00	27.44 0.56 0.00	27.86 0.52 0.00	29.71 0.61 0.00	38.06 1.22 0.00	45.08 1.40 0.00	38.21 1.26 0.00	33.35 0.88 0.00	32.88 0.83 0.00	30.79 0.84 0.00	29.43 0.80 0.00	29.46 0.83 0.00	31.10 0.91 0.00	34.17 1.03 0.00	41.40 1.42 -3.65	57.54 1.60 -13.83	46.05 1.28 -10.06	39.86 1.34 -4.25	37.51 1.26 -2.11	35.21 1.19 0.00	32.58 1.08 -0.55	30.33 1.00 0.00
GINNA____ 23603	26.61 -1.73 0.00	25.93 -1.71 0.00	25.10 -1.72 0.00	25.15 -1.72 0.00	25.62 -1.72 0.00	27.32 -1.78 0.00	34.31 -2.54 0.00	40.72 -2.93 0.04	34.44 -2.51 0.00	30.07 -2.40 0.00	29.51 -2.53 0.00	27.41 -2.55 0.00	26.05 -2.58 0.00	26.14 -2.49 0.00	27.50 -2.69 0.00	30.16 -2.98 0.00	33.71 -3.05 -0.43	40.29 -3.49 -1.68	33.12 -2.78 -1.19	31.83 -2.95 -0.50	30.55 -3.14 0.45	28.23 -3.33 2.46	27.03 -3.16 0.75	26.26 -3.08 0.00
GLEN PARK____ 23778	28.19 -0.14 0.00	27.59 -0.06 0.00	26.71 -0.11 0.00	26.76 -0.11 0.00	27.23 -0.11 0.00	29.04 -0.06 0.00	37.07 0.22 0.00	44.03 0.35 0.00	36.96 0.00 0.00	32.18 -0.29 0.00	31.53 -0.51 0.00	29.15 -0.81 0.00	27.82 -0.80 0.00	27.77 -0.86 0.00	29.29 -0.90 0.00	32.28 -0.86 0.00	36.28 -0.25 -0.20	42.92 0.04 -0.77	35.27 0.00 -0.56	34.52 0.00 -0.24	34.06 -0.20 -0.12	33.75 -0.27 0.00	30.51 -0.46 -0.03	28.81 -0.53 0.00
GLENDALE_27_KV_LOAD 356172	29.72 1.39 0.00	28.91 1.27 0.00	28.05 1.23 0.00	28.08 1.21 0.00	28.44 1.09 0.00	30.32 1.22 0.00	39.46 2.62 0.00	47.13 3.45 0.00	39.99 3.03 0.00	34.90 2.44 0.00	34.29 2.24 0.00	32.14 2.19 0.00	30.74 2.12 0.00	30.72 2.09 0.00	32.55 2.35 0.00	35.83 2.68 0.00	43.47 3.42 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.93 3.33 -4.33	39.36 3.07 -2.15	36.91 2.89 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
GLENWOOD_IC_1_G5 23712	35.99 -5.98	32.15 1.58 -2.93	31.44 1.53 -3.09	31.24 1.56 -2.81	32.33 1.48 -3.51	37.04 1.66 -6.28	44.22 3.67 -4.39	53.63 3.14 -6.28	46.14 2.57 -6.04	38.68 2.44 -3.65	39.76 2.37 -5.28	37.36 2.44 -5.04	35.68 2.32 -4.74	38.24 2.29 -7.32	40.16 2.51 -7.46	47.94 2.75 -12.05	59.51 3.42 -19.76	99.88 4.08 -53.70	81.91 3.33 -43.87	79.64 3.29 -42.07	56.60 3.14 -19.31	49.70 3.03 -12.66	46.38 2.75 -12.68	39.64 2.55 -7.75
GLENWOOD_IC_2_G1 23688	30.03 1.56 -0.13	29.12 1.41 -0.07	28.26 1.37 -0.07	28.28 1.34 -0.06	28.73 1.31 -0.08	30.69 1.45 -0.14	39.75 2.80 -0.10	47.27 3.45 -0.14	40.09 2.99 -0.14	34.89 2.34 -0.08	34.44 2.28 -0.12	32.23 2.16 -0.11	30.88 2.15 -0.11	30.91 2.12 -0.16	32.68 2.32 -0.17	36.13 2.72 -0.27	43.68 3.27 -4.08	61.78 3.92 -15.76	49.53 3.16 -11.66	43.35 3.15 -5.92	39.68 3.01 -2.53	37.23 2.93 -0.28	34.44 2.66 -0.83	31.86 2.35 -0.17
GLENWOOD_IC_3_G1 23689	30.03 1.56 -0.13	29.12 1.41 -0.07	28.26 1.37 -0.07	28.28 1.34 -0.06	28.73 1.31 -0.08	30.69 1.45 -0.14	39.75 2.80 -0.10	47.27 3.45 -0.14	40.09 2.99 -0.14	34.89 2.34 -0.08	34.44 2.28 -0.12	32.23 2.16 -0.11	30.88 2.15 -0.11	30.91 2.12 -0.16	32.68 2.32 -0.17	36.13 2.72 -0.27	43.68 3.27 -4.08	61.78 3.92 -15.76	49.53 3.16 -11.66	43.35 3.15 -5.92	39.68 3.01 -2.53	37.23 2.93 -0.28	34.44 2.66 -0.83	31.86 2.35 -0.17
GLENWOOD___4 23550	35.99 1.67 -5.98	32.15 1.58 -2.93	31.44 1.53 -3.09	31.24 1.56 -2.81	32.33 1.48 -3.51	37.04 1.66 -6.28	44.22 2.98 -4.39	53.68 3.71 -6.28	46.18 3.18 -6.04	38.68 2.57 -3.65	39.76 2.44 -5.28	37.36 2.37 -5.04	35.68 2.32 -4.74	38.24 2.29 -7.32	40.16 2.51 -7.46	47.98 2.78 -12.05	59.58 3.49 -19.76	99.92 4.13 -53.70	81.95 3.37 -43.87	79.67 3.33 -42.07	56.63 3.18 -19.31	49.74 3.06 -12.66	46.44 2.82 -12.68	39.64 2.55 -7.75
GLENWOOD___5 23614	35.99 1.67 -5.98	32.15 1.58 -2.93	31.44 1.53 -3.09	31.24 1.56 -2.81	32.33 1.48 -3.51	37.04 1.66 -6.28	44.22 2.98 -4.39	53.68 3.71 -6.28	46.18 3.18 -6.04	38.68 2.57 -3.65	39.76 2.44 -5.28	37.36 2.37 -5.04	35.68 2.32 -4.74	38.24 2.29 -7.32	40.16 2.51 -7.46	47.98 2.78 -12.05	59.58 3.49 -19.76	99.92 4.13 -53.70	81.95 3.37 -43.87	79.67 3.33 -42.07	56.63 3.18 -19.31	49.74 3.06 -12.66	46.44 2.82 -12.68	39.64 2.55 -7.75
GLOBAL GREEN_PORT_GT1 23814	40.92 4.17 -8.42	35.71 3.95 -4.11	35.00 3.84 -4.34	34.60 3.76 -3.97	36.08 3.77 -4.97	42.12 4.16 -8.86	49.44 6.41 -6.18	60.22 7.69 -8.84	51.81 6.36 -8.50	42.53 4.93 -5.13	44.25 4.78 -7.43	41.53 4.49 -7.09	39.70 4.41 -6.67	43.34 4.41 -10.30	45.44 4.74 -10.50	55.52 5.40 -16.97	69.12 6.47 -26.32	88.54 7.79 -38.65	72.23 6.42 -31.10	68.32 6.31 -27.73	66.61 6.14 -26.32	57.89 6.06 -17.82	53.89 5.32 -17.62	45.06 4.81 -10.91
GLOBE___DSASP 323697	26.81 -1.53 0.00	26.07 -1.58 0.00	25.10 -1.72 0.00	25.15 -1.72 0.00	25.73 -1.61 0.00	27.35 -1.75 0.00	33.86 -2.98 0.00	38.86 -4.81 0.02	33.56 -3.40 0.00	29.19 -3.28 0.00	28.81 -3.24 0.00	26.60 -3.36 0.00	25.39 -3.23 0.00	25.45 -3.18 0.00	26.57 -3.62 0.00	29.30 -3.84 0.00	31.46 -5.20 -0.32	37.28 -6.19 -1.36	30.79 -4.79 -0.87	29.78 -4.87 -0.37	28.68 -5.19 0.28	26.86 -5.34 1.82	25.61 -4.83 0.51	25.17 -4.17 0.00
GOETHSLN___LBMP 323567	29.36 1.02 0.00	28.61 0.97 0.00	27.76 0.94 0.00	27.81 0.94 0.00	28.16 0.82 0.00	30.06 0.96 0.00	39.10 2.25 0.00	46.74 3.06 0.00	39.58 2.62 0.00	34.52 2.05 0.00	33.94 1.89 0.00	31.81 1.86 0.00	30.46 1.83 0.00	30.44 1.80 0.00	32.21 2.02 0.00	35.47 2.32 0.00	42.99 2.94 -3.72	59.78 3.58 -14.10	47.87 2.92 -10.24	41.49 2.88 -4.33	39.02 2.73 -2.15	36.57 2.55 0.00	33.83 2.32 -0.56	31.33 1.99 0.00
GOLAH___69_KV_TB 1_2 80279	28.34 0.00 0.00	27.59 -0.06 0.00	26.63 -0.19 0.00	26.58 -0.30 0.00	27.15 -0.19 0.00	28.98 -0.12 0.00	36.19 -0.66 0.00	42.39 -1.27 0.02	36.14 -0.81 0.00	31.40 -1.07 0.00	30.89 -1.15 0.00	28.49 -1.47 0.00	27.17 -1.46 0.00	27.20 -1.43 0.00	28.56 -1.63 0.00	31.52 -1.62 0.00	34.65 -2.11 -0.42	41.17 -2.57 -1.64	33.97 -1.91 -1.17	32.75 -2.02 -0.49	31.59 -2.32 0.23	29.86 -2.48 1.67	28.04 -2.41 0.49	27.28 -2.05 0.00
GOODYEAR_LAKE_HYD 323669	29.53 1.19 0.00	28.80 1.16 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.46 1.12 0.00	30.44 1.34 0.00	39.17 2.32 0.00	46.35 2.66 -0.01	39.29 2.33 0.00	34.26 1.79 0.00	33.62 1.57 0.00	31.30 1.35 0.00	29.91 1.29 0.00	29.89 1.26 0.00	31.52 1.33 0.00	34.74 1.59 0.00	39.63 2.11 -1.20	49.18 2.57 -4.51	40.09 2.08 -3.29	37.73 2.06 -1.39	36.67 1.84 -0.68	35.79 1.77 0.00	32.57 1.45 -0.17	30.69 1.35 0.00



GOUDEY_115_KV_TB6_REV_LBMP_C 345031	28.73 0.40 0.00	28.00 0.36 0.00	27.14 0.32 0.00	27.17 0.30 0.00	27.67 0.33 0.00	29.56 0.47 0.00	37.66 0.81 0.00	44.35 0.66 -0.02	37.70 0.74 0.00	32.89 0.42 0.00	32.33 0.29 0.00	30.14 0.18 0.00	28.77 0.14 0.00	28.77 0.14 0.00	30.31 0.12 0.00	33.34 0.20 0.00	37.68 0.11 -1.23	46.97 0.21 -4.66	38.25 0.14 -3.40	35.78 0.07 -1.44	34.84 -0.10 -0.81	34.19 -0.17 -0.34	30.96 -0.28 -0.30	29.25 -0.09 0.00
GOUDEY___7 23579	28.76 0.43 0.00	28.03 0.39 0.00	27.17 0.35 0.00	27.19 0.32 0.00	27.70 0.36 0.00	29.59 0.49 0.00	37.70 0.85 0.00	44.40 0.70 -0.02	37.73 0.78 0.00	32.92 0.45 0.00	32.40 0.35 0.00	30.17 0.21 0.00	28.80 0.17 0.00	28.80 0.17 0.00	30.37 0.18 0.00	33.38 0.23 0.00	37.71 0.15 -1.23	47.01 0.25 -4.66	38.29 0.17 -3.40	35.82 0.10 -1.44	34.88 -0.07 -0.81	34.23 -0.14 -0.34	30.99 -0.25 -0.30	29.28 -0.06 0.00
GOUDEY___8 23580	28.73 0.40 0.00	28.00 0.36 0.00	27.14 0.32 0.00	27.17 0.30 0.00	27.67 0.33 0.00	29.56 0.47 0.00	37.66 0.81 0.00	44.35 0.66 -0.02	37.70 0.74 0.00	32.89 0.42 0.00	32.33 0.29 0.00	30.14 0.18 0.00	28.77 0.14 0.00	28.77 0.14 0.00	30.31 0.12 0.00	33.34 0.20 0.00	37.68 0.11 -1.23	46.97 0.21 -4.66	38.25 0.14 -3.40	35.78 0.07 -1.44	34.84 -0.10 -0.81	34.19 -0.17 -0.34	30.96 -0.28 -0.30	29.25 -0.09 0.00
GOWANUS_GT1_1 24077	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00
GOWANUS_GT1_2 24078	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00
GOWANUS_GT1_3 24079	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00
GOWANUS_GT1_4 24080	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00
GOWANUS_GT1_5 24084	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00
GOWANUS_GT1_6 24111	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00
GOWANUS_GT1_7 24112	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00
GOWANUS_GT1_8 24113	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00
GOWANUS_GT2_1 24114	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
GOWANUS_GT2_2 24115	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
GOWANUS_GT2_3 24116	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
GOWANUS_GT2_4 24117	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00



GOWANUS_GT2_5 24118	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
GOWANUS_GT2_6 24119	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
GOWANUS_GT2_7 24120	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
GOWANUS_GT2_8 24121	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
GOWANUS_GT3_1 24122	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
GOWANUS_GT3_2 24123	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
GOWANUS_GT3_3 24124	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
GOWANUS_GT3_4 24125	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
GOWANUS_GT3_5 24126	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
GOWANUS_GT3_6 24127	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
GOWANUS_GT3_7 24128	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
GOWANUS_GT3_8 24129	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
GOWANUS_GT4_1 24130	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00
GOWANUS_GT4_2 24131	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00
GOWANUS_GT4_3 24132	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00



GOWANUS_GT4_4 24133	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00
GOWANUS_GT4_5 24134	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00
GOWANUS_GT4_6 24135	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00
GOWANUS_GT4_7 24136	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00
GOWANUS_GT4_8 24137	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00
GREENBSH_115KV_TB3 55895	28.99 0.65 0.00	28.25 0.61 0.00	27.49 0.67 0.00	27.57 0.70 0.00	27.97 0.63 0.00	29.56 0.47 0.00	37.77 0.92 0.00	44.86 1.18 0.00	37.88 0.92 0.00	32.99 0.52 0.00	32.69 0.64 0.00	30.67 0.72 0.00	29.37 0.74 0.00	29.40 0.77 0.00	31.01 0.82 0.00	33.97 0.83 0.00	42.17 1.24 -4.60	61.00 1.43 -17.47	48.58 1.18 -12.68	40.77 1.13 -5.36	37.90 1.09 -2.67	35.08 1.05 0.00	32.73 1.08 -0.70	30.45 1.11 0.00
GREENDGE_115KV_TB5 80291	29.13 0.79 0.00	28.42 0.77 0.00	27.49 0.67 0.00	27.52 0.64 0.00	28.11 0.77 0.00	30.14 1.05 0.00	38.25 1.40 0.00	44.93 1.14 -0.11	37.99 1.03 0.00	33.38 0.91 0.00	32.75 0.70 0.00	30.32 0.36 0.00	28.86 0.23 0.00	28.89 0.26 0.00	30.40 0.21 0.00	33.54 0.40 0.00	37.37 0.29 -0.75	45.05 0.13 -2.82	37.22 0.45 -2.06	35.39 0.24 -0.87	36.12 -0.03 -2.01	39.05 -0.41 -5.44	32.40 -0.50 -1.95	29.04 -0.29 0.00
GREENIDGE___3 23582	29.13 0.79 0.00	28.42 0.77 0.00	27.49 0.67 0.00	27.52 0.64 0.00	28.11 0.77 0.00	30.14 1.05 0.00	38.25 1.40 0.00	44.93 1.14 -0.11	37.99 1.03 0.00	33.38 0.91 0.00	32.75 0.70 0.00	30.32 0.36 0.00	28.86 0.23 0.00	28.89 0.26 0.00	30.40 0.21 0.00	33.54 0.40 0.00	37.37 0.29 -0.75	45.05 0.13 -2.82	37.22 0.45 -2.06	35.39 0.24 -0.87	36.12 -0.03 -2.01	39.05 -0.41 -5.44	32.40 -0.50 -1.95	29.04 -0.29 0.00
GREENIDGE___4 23583	29.10 0.77 0.00	28.41 0.77 0.00	27.52 0.70 0.00	27.57 0.70 0.00	28.14 0.79 0.00	30.14 1.05 0.00	38.10 1.25 0.00	44.97 1.18 -0.11	37.96 1.00 0.00	33.38 0.91 0.00	32.65 0.61 0.00	30.29 0.33 0.00	28.83 0.20 0.00	28.86 0.23 0.00	30.40 0.21 0.00	33.21 0.07 0.00	37.36 0.29 -0.74	44.99 0.08 -2.80	37.21 0.45 -2.04	35.39 0.24 -0.86	36.08 -0.07 -2.01	38.95 -0.51 -5.44	32.34 -0.56 -1.95	29.01 -0.32 0.00
GREENLWN_69_KV_BK 3 55738	38.54 1.84 -8.36	33.52 1.80 -4.09	32.88 1.74 -4.31	32.61 1.80 -3.94	34.00 1.72 -4.93	39.79 1.89 -8.80	46.00 3.02 -6.13	56.26 3.80 -8.78	48.65 3.25 -8.44	40.36 2.79 -5.09	42.08 2.66 -7.38	39.57 2.58 -7.04	37.79 2.55 -6.62	41.38 2.52 -10.23	43.37 2.75 -10.43	52.98 2.98 -16.85	65.98 3.49 -26.16	85.25 4.13 -39.02	69.49 3.37 -31.41	65.64 3.29 -28.07	63.47 3.18 -26.15	54.81 3.10 -17.69	51.48 3.03 -17.51	42.93 2.76 -10.83
GREENWD_138_KV_38B11_REV_LBMP_J 345004	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00
GRISSOM___SOLAR 323813	31.08 2.75 0.00	30.27 2.63 0.00	29.53 2.71 0.00	29.61 2.74 0.00	30.21 2.87 0.00	32.24 3.14 0.00	41.79 4.94 0.00	49.32 5.64 0.00	41.43 4.47 0.00	35.88 3.41 0.00	35.25 3.20 0.00	32.68 2.73 0.00	31.06 2.43 0.00	31.12 2.49 0.00	33.09 2.90 0.00	36.79 3.65 0.00	46.35 4.80 -5.22	67.63 5.73 -19.80	53.86 4.76 -14.39	44.81 4.45 -6.08	41.70 4.54 -3.02	38.38 4.36 0.00	35.38 3.65 -0.79	32.62 3.28 0.00
GROVEVILLE___HYD 323602	29.70 1.36 0.00	28.91 1.27 0.00	28.03 1.21 0.00	28.11 1.24 0.00	28.52 1.18 0.00	30.46 1.37 0.00	39.43 2.58 0.00	46.74 3.06 0.00	39.55 2.59 0.00	34.45 1.98 0.00	33.84 1.79 0.00	31.66 1.71 0.00	30.26 1.63 0.00	30.26 1.63 0.00	32.06 1.87 0.00	35.33 2.19 0.00	43.02 2.94 -3.75	59.85 3.54 -14.21	48.02 2.99 -10.32	41.55 2.91 -4.36	39.07 2.77 -2.17	36.61 2.59 0.00	33.89 2.38 -0.57	31.45 2.11 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	28.51 0.17 0.00	27.83 0.19 0.00	26.96 0.13 0.00	26.95 0.08 0.00	27.48 0.14 0.00	29.36 0.26 0.00	37.33 0.48 0.00	44.31 0.61 -0.02	37.40 0.44 0.00	32.70 0.23 0.00	32.17 0.13 0.00	29.93 -0.03 0.00	28.57 -0.06 0.00	28.60 -0.03 0.00	30.13 -0.06 0.00	33.18 0.03 0.00	36.86 0.15 -0.38	43.81 0.25 -1.46	36.01 0.24 -1.06	34.86 0.14 -0.45	34.55 -0.03 -0.44	34.68 -0.10 -0.76	31.04 -0.22 -0.32	29.10 -0.23 0.00
HAMLTNNY_34_KV_TB 80303	28.79 0.45 0.00	28.08 0.44 0.00	27.20 0.38 0.00	27.19 0.32 0.00	27.73 0.38 0.00	29.65 0.55 0.00	37.70 0.85 0.00	44.71 1.00 -0.02	37.77 0.81 0.00	32.96 0.49 0.00	32.43 0.38 0.00	30.11 0.15 0.00	28.71 0.09 0.00	28.77 0.14 0.00	30.28 0.09 0.00	33.41 0.27 0.00	37.14 0.40 -0.41	44.15 0.51 -1.55	36.32 0.49 -1.12	35.10 0.34 -0.47	34.78 0.14 -0.50	34.97 0.03 -0.91	31.19 -0.12 -0.37	29.22 -0.12 0.00



HAMPSHIRE___PAPER_HYD 323593	28.11 -0.23 0.00	27.50 -0.14 0.00	26.66 -0.16 0.00	26.74 -0.13 0.00	27.18 -0.16 0.00	28.75 -0.35 0.00	36.04 -0.81 0.00	42.76 -0.92 0.00	36.07 -0.89 0.00	31.66 -0.81 0.00	31.21 -0.83 0.00	29.06 -0.90 0.00	27.77 -0.86 0.00	27.71 -0.92 0.00	29.20 -1.00 0.00	31.98 -1.16 0.00	35.24 -1.20 -0.10	41.19 -1.31 -0.39	33.88 -1.11 -0.28	33.34 -1.06 -0.12	33.18 -1.02 -0.06	33.17 -0.85 0.00	30.25 -0.71 -0.02	28.63 -0.70 0.00
HARDSCRABBLE_WT_PWR 323673	28.54 0.20 0.00	27.89 0.25 0.00	27.09 0.27 0.00	27.17 0.30 0.00	27.70 0.35 0.00	29.59 0.49 0.00	37.73 0.88 0.00	44.86 1.18 0.00	37.96 1.00 0.00	33.25 0.78 0.00	32.78 0.74 0.00	30.55 0.60 0.00	29.14 0.52 0.00	29.12 0.49 0.00	30.70 0.51 0.00	33.81 0.66 0.00	37.24 0.91 0.00	43.11 1.01 0.00	35.48 0.76 0.00	35.00 0.72 0.00	34.72 0.58 0.00	34.63 0.61 0.00	31.41 0.46 0.00	29.72 0.38 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	29.44 1.11 0.00	28.66 1.02 0.00	27.79 0.97 0.00	27.84 0.97 0.00	28.24 0.90 0.00	30.17 1.08 0.00	39.06 2.21 0.00	46.39 2.71 0.00	39.25 2.29 0.00	34.19 1.72 0.00	33.65 1.60 0.00	31.54 1.59 0.00	30.14 1.52 0.00	30.12 1.49 0.00	31.88 1.69 0.00	35.10 1.96 0.00	42.47 2.65 -3.48	58.56 3.24 -13.21	46.99 2.67 -9.60	40.94 2.61 -4.05	38.61 2.46 -2.01	36.33 2.31 0.00	33.57 2.10 -0.53	31.18 1.85 0.00
HARSNRAD_115KV_TB1 81005	27.57 -0.77 0.00	26.81 -0.83 0.00	25.83 -0.99 0.00	25.85 -1.02 0.00	26.47 -0.87 0.00	28.19 -0.90 0.00	34.93 -1.92 0.00	39.91 -3.76 0.02	34.56 -2.40 0.00	30.03 -2.44 0.00	29.61 -2.44 0.00	27.32 -2.64 0.00	26.05 -2.58 0.00	26.11 -2.52 0.00	27.26 -2.93 0.00	30.06 -3.08 0.00	32.25 -4.43 -0.35	38.41 -5.14 -1.44	31.67 -3.99 -0.95	30.57 -4.11 -0.41	29.42 -4.47 0.25	27.71 -4.56 1.75	26.18 -4.27 0.49	25.82 -3.52 0.00
HARZA MOOSE___RIVER 24016	28.76 0.43 0.00	28.08 0.44 0.00	27.22 0.40 0.00	27.27 0.40 0.00	27.75 0.41 0.00	29.62 0.52 0.00	37.77 0.92 0.00	44.78 1.09 0.00	37.73 0.78 0.00	32.83 0.36 0.00	32.21 0.16 0.00	29.84 -0.12 0.00	28.51 -0.11 0.00	28.49 -0.14 0.00	30.04 -0.15 0.00	33.08 -0.07 0.00	36.79 0.33 -0.13	43.16 0.55 -0.51	35.46 0.38 -0.37	34.85 0.41 -0.15	34.49 0.27 -0.08	34.26 0.24 0.00	31.06 0.09 -0.02	29.37 0.03 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	28.00 -0.34 0.00	27.31 -0.33 0.00	26.47 -0.35 0.00	26.50 -0.38 0.00	26.99 -0.36 0.00	28.75 -0.35 0.00	36.52 -0.33 0.00	43.34 -0.35 -0.01	36.63 -0.33 0.00	32.02 -0.45 0.00	31.56 -0.48 0.00	29.45 -0.51 0.00	28.11 -0.52 0.00	28.14 -0.49 0.00	29.65 -0.54 0.00	32.58 -0.56 0.00	36.14 -0.54 -0.35	42.83 -0.59 -1.32	35.22 -0.45 -0.96	34.17 -0.51 -0.40	33.76 -0.65 -0.27	33.58 -0.68 -0.24	30.43 -0.65 -0.14	28.69 -0.65 0.00
HELLGATE_13_KV_LD 55870	29.61 1.28 0.00	28.80 1.16 0.00	27.95 1.13 0.00	28.00 1.13 0.00	28.35 1.01 0.00	30.17 1.08 0.00	39.28 2.43 0.00	46.87 3.19 0.00	39.77 2.81 0.00	34.71 2.24 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.98 0.00	30.58 1.95 0.00	32.36 2.17 0.00	35.66 2.52 0.00	43.25 3.20 -3.72	60.12 3.92 -14.10	48.12 3.16 -10.25	41.73 3.12 -4.33	39.19 2.90 -2.15	36.74 2.72 0.00	34.04 2.54 -0.56	31.60 2.26 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	29.61 1.28 0.00	28.80 1.16 0.00	27.95 1.13 0.00	28.00 1.13 0.00	28.35 1.01 0.00	30.17 1.08 0.00	39.28 2.43 0.00	46.87 3.19 0.00	39.77 2.81 0.00	34.71 2.24 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.98 0.00	30.58 1.95 0.00	32.36 2.17 0.00	35.66 2.52 0.00	43.25 3.20 -3.72	60.12 3.92 -14.10	48.12 3.16 -10.25	41.73 3.12 -4.33	39.19 2.90 -2.15	36.74 2.72 0.00	34.04 2.54 -0.56	31.60 2.26 0.00
HEMPSTEAD____ 23647	37.00 1.84 -6.82	32.67 1.69 -3.34	31.98 1.64 -3.52	31.69 1.61 -3.21	32.94 1.59 -4.01	38.02 1.75 -7.17	44.98 3.13 -5.00	54.60 3.76 -7.16	47.13 3.29 -6.89	39.23 2.60 -4.16	40.60 2.53 -6.02	38.12 2.43 -5.74	36.43 2.40 -5.40	39.35 2.38 -8.35	41.30 2.60 -8.51	49.87 2.98 -13.74	61.88 3.52 -22.02	94.89 4.17 -48.62	77.67 3.40 -39.56	74.87 3.36 -37.23	59.11 3.25 -21.73	51.65 3.20 -14.44	48.24 2.91 -14.39	40.79 2.61 -8.84
HEWLETT__69_KV_BK3 55828	37.93 1.90 -7.70	33.23 1.82 -3.77	32.59 1.80 -3.97	32.29 1.80 -3.62	33.62 1.75 -4.53	39.11 1.92 -8.10	45.77 3.28 -5.64	55.91 4.15 -8.08	48.28 3.55 -7.77	39.98 2.82 -4.68	41.52 2.69 -6.79	39.03 2.61 -6.47	37.29 2.58 -6.09	40.59 2.55 -9.41	42.56 2.78 -9.59	51.82 3.18 -15.49	64.39 3.71 -24.35	97.02 4.34 -50.58	79.51 3.58 -41.22	76.91 3.53 -39.10	61.78 3.41 -24.23	53.64 3.33 -16.28	50.25 3.16 -16.16	42.12 2.82 -9.96
HICKLING___1 23621	29.16 0.82 0.00	28.42 0.77 0.00	27.52 0.70 0.00	27.54 0.67 0.00	28.14 0.79 0.00	30.14 1.05 0.00	38.32 1.47 0.00	44.68 0.96 -0.03	38.14 1.18 0.00	33.25 0.78 0.00	32.65 0.61 0.00	30.32 0.36 0.00	28.86 0.23 0.00	28.86 0.23 0.00	30.37 0.18 0.00	33.41 0.27 0.00	37.10 -0.22 -0.98	45.57 -0.21 -3.68	37.21 -0.21 -2.70	35.04 -0.38 -1.14	34.37 -0.68 -0.91	34.44 -0.82 -1.24	30.54 -0.96 -0.56	28.93 -0.41 0.00
HICKLING___2 23622	29.16 0.82 0.00	28.42 0.77 0.00	27.52 0.70 0.00	27.54 0.67 0.00	28.14 0.79 0.00	30.14 1.05 0.00	38.32 1.47 0.00	44.68 0.96 -0.03	38.14 1.18 0.00	33.25 0.78 0.00	32.65 0.61 0.00	30.32 0.36 0.00	28.86 0.23 0.00	28.86 0.23 0.00	30.37 0.18 0.00	33.41 0.27 0.00	37.10 -0.22 -0.98	45.57 -0.21 -3.68	37.21 -0.21 -2.70	35.04 -0.38 -1.14	34.37 -0.68 -0.91	34.44 -0.82 -1.24	30.54 -0.96 -0.56	28.93 -0.41 0.00
HIGH FALLS___HY 23754	29.55 1.22 0.00	28.77 1.13 0.00	27.87 1.05 0.00	27.92 1.05 0.00	28.33 0.98 0.00	30.35 1.25 0.00	39.32 2.47 0.00	46.52 2.84 0.00	39.40 2.44 0.00	34.35 1.88 0.00	33.68 1.63 0.00	31.51 1.56 0.00	30.09 1.46 0.00	30.09 1.46 0.00	31.64 1.45 0.00	34.87 1.72 0.00	42.61 2.51 -3.77	59.47 3.07 -14.29	47.70 2.60 -10.39	41.24 2.57 -4.39	38.71 2.39 -2.18	36.20 2.18 0.00	33.68 2.17 -0.57	31.24 1.91 0.00
HILLBURN___GT 23639	29.50 1.16 0.00	28.66 1.02 0.00	27.79 0.96 0.00	27.81 0.94 0.00	28.24 0.90 0.00	30.17 1.08 0.00	39.13 2.29 0.00	46.48 2.80 0.00	39.36 2.40 0.00	34.25 1.78 0.00	33.77 1.73 0.00	31.63 1.68 0.00	30.29 1.66 0.00	30.26 1.63 0.00	32.00 1.81 0.00	35.30 2.15 0.00	42.55 2.69 -3.53	58.78 3.29 -13.39	47.12 2.67 -9.73	41.03 2.64 -4.11	38.71 2.53 -2.04	36.44 2.42 0.00	33.64 2.17 -0.54	31.24 1.91 0.00
HILLSIDE_115KV_TB1 80332	28.62 0.28 0.00	27.89 0.25 0.00	27.01 0.19 0.00	27.03 0.16 0.00	27.62 0.27 0.00	29.53 0.44 0.00	37.47 0.63 0.00	43.49 -0.22 -0.03	37.25 0.30 0.00	32.47 0.00 0.00	31.95 -0.10 0.00	29.72 -0.24 0.00	28.31 -0.31 0.00	28.32 -0.31 0.00	29.80 -0.39 0.00	32.68 -0.46 0.00	36.26 -1.09 -1.02	44.69 -1.22 -3.81	36.47 -1.04 -2.80	34.30 -1.17 -1.18	33.58 -1.40 -0.84	33.43 -1.50 -0.91	29.88 -1.52 -0.45	28.43 -0.91 0.00



HISHELDN_WT_PWR 323625	27.74 -0.60 0.00	27.03 -0.61 0.00	26.12 -0.70 0.00	26.28 -0.59 0.00	26.80 -0.55 0.00	28.43 -0.67 0.00	34.97 -1.88 0.00	40.44 -3.23 0.01	34.81 -2.14 0.00	30.29 -2.18 0.00	29.58 -2.47 0.00	27.32 -2.64 0.00	25.96 -2.66 0.00	26.03 -2.61 0.00	27.26 -2.93 0.00	29.00 -4.14 0.00	32.18 -4.54 -0.39	38.36 -5.35 -1.61	31.52 -4.27 -1.07	30.32 -4.42 -0.46	29.12 -4.81 0.21	27.29 -5.03 1.69	25.80 -4.67 0.47	25.58 -3.76 0.00
HOLTSVILLE_IC_1 23690	39.51 2.75 -8.42	34.33 2.57 -4.12	33.66 2.49 -4.35	33.29 2.45 -3.97	34.75 2.43 -4.97	40.64 2.68 -8.87	47.49 4.46 -6.18	57.82 5.28 -8.85	49.97 4.51 -8.50	41.14 3.54 -5.13	42.94 3.46 -7.43	40.34 3.30 -7.09	38.56 3.26 -6.67	42.14 3.21 -10.31	44.20 3.50 -10.51	54.13 4.01 -16.98	67.32 4.65 -26.34	86.15 5.43 -38.62	70.26 4.48 -31.07	66.40 4.42 -27.70	64.82 4.34 -26.34	56.14 4.29 -17.83	52.48 3.90 -17.64	43.77 3.52 -10.92
HOLTSVILLE_IC_10 23699	39.68 2.95 -8.40	34.51 2.76 -4.11	33.84 2.68 -4.34	33.47 2.63 -3.96	34.92 2.63 -4.96	40.85 2.91 -8.85	47.77 4.76 -6.16	58.19 5.68 -8.83	50.24 4.80 -8.48	41.35 3.76 -5.12	43.14 3.68 -7.41	40.53 3.50 -7.07	38.71 3.43 -6.65	42.32 3.41 -10.28	44.39 3.71 -10.48	54.32 4.24 -16.93	67.55 4.94 -26.28	86.67 5.81 -38.76	70.69 4.79 -31.18	66.85 4.73 -27.83	65.02 4.61 -26.27	56.36 4.56 -17.78	52.65 4.12 -17.59	43.92 3.70 -10.89
HOLTSVILLE_IC_2 23691	39.51 2.75 -8.42	34.33 2.57 -4.12	33.66 2.49 -4.35	33.29 2.45 -3.97	34.75 2.43 -4.97	40.64 2.68 -8.87	47.49 4.46 -6.18	57.82 5.28 -8.85	49.97 4.51 -8.50	41.14 3.54 -5.13	42.94 3.46 -7.43	40.34 3.30 -7.09	38.56 3.26 -6.67	42.14 3.21 -10.31	44.20 3.50 -10.51	54.13 4.01 -16.98	67.32 4.65 -26.34	86.15 5.43 -38.62	70.26 4.48 -31.07	66.40 4.42 -27.70	64.82 4.34 -26.34	56.14 4.29 -17.83	52.48 3.90 -17.64	43.77 3.52 -10.92
HOLTSVILLE_IC_3 23692	39.51 2.75 -8.42	34.33 2.57 -4.12	33.66 2.49 -4.35	33.29 2.45 -3.97	34.75 2.43 -4.97	40.64 2.68 -8.87	47.49 4.46 -6.18	57.82 5.28 -8.85	49.97 4.51 -8.50	41.14 3.54 -5.13	42.94 3.46 -7.43	40.34 3.30 -7.09	38.56 3.26 -6.67	42.14 3.21 -10.31	44.20 3.50 -10.51	54.13 4.01 -16.98	67.32 4.65 -26.34	86.15 5.43 -38.62	70.26 4.48 -31.07	66.40 4.42 -27.70	64.82 4.34 -26.34	56.14 4.29 -17.83	52.48 3.90 -17.64	43.77 3.52 -10.92
HOLTSVILLE_IC_4 23693	39.51 2.75 -8.42	34.33 2.57 -4.12	33.66 2.49 -4.35	33.29 2.45 -3.97	34.75 2.43 -4.97	40.64 2.68 -8.87	47.49 4.46 -6.18	57.82 5.28 -8.85	49.97 4.51 -8.50	41.14 3.54 -5.13	42.94 3.46 -7.43	40.34 3.30 -7.09	38.56 3.26 -6.67	42.14 3.21 -10.31	44.20 3.50 -10.51	54.13 4.01 -16.98	67.32 4.65 -26.34	86.15 5.43 -38.62	70.26 4.48 -31.07	66.40 4.42 -27.70	64.82 4.34 -26.34	56.14 4.29 -17.83	52.48 3.90 -17.64	43.77 3.52 -10.92
HOLTSVILLE_IC_5 23694	39.51 2.75 -8.42	34.33 2.57 -4.12	33.66 2.49 -4.35	33.29 2.45 -3.97	34.75 2.43 -4.97	40.64 2.68 -8.87	47.49 4.46 -6.18	57.82 5.28 -8.85	49.97 4.51 -8.50	41.14 3.54 -5.13	42.94 3.46 -7.43	40.34 3.30 -7.09	38.56 3.26 -6.67	42.14 3.21 -10.31	44.20 3.50 -10.51	54.13 4.01 -16.98	67.32 4.65 -26.34	86.15 5.43 -38.62	70.26 4.48 -31.07	66.40 4.42 -27.70	64.82 4.34 -26.34	56.14 4.29 -17.83	52.48 3.90 -17.64	43.77 3.52 -10.92
HOLTSVILLE_IC_6 23695	39.68 2.95 -8.40	34.51 2.76 -4.11	33.84 2.68 -4.34	33.47 2.63 -3.96	34.92 2.63 -4.96	40.85 2.91 -8.85	47.77 4.76 -6.16	58.19 5.68 -8.83	50.24 4.80 -8.48	41.35 3.76 -5.12	43.14 3.68 -7.41	40.53 3.50 -7.07	38.71 3.43 -6.65	42.32 3.41 -10.28	44.39 3.71 -10.48	54.32 4.24 -16.93	67.55 4.94 -26.28	86.67 5.81 -38.76	70.69 4.79 -31.18	66.85 4.73 -27.83	65.02 4.61 -26.27	56.36 4.56 -17.78	52.65 4.12 -17.59	43.92 3.70 -10.89
HOLTSVILLE_IC_7 23696	39.68 2.95 -8.40	34.51 2.76 -4.11	33.84 2.68 -4.34	33.47 2.63 -3.96	34.92 2.63 -4.96	40.85 2.91 -8.85	47.77 4.76 -6.16	58.19 5.68 -8.83	50.24 4.80 -8.48	41.35 3.76 -5.12	43.14 3.68 -7.41	40.53 3.50 -7.07	38.71 3.43 -6.65	42.32 3.41 -10.28	44.39 3.71 -10.48	54.32 4.24 -16.93	67.55 4.94 -26.28	86.67 5.81 -38.76	70.69 4.79 -31.18	66.85 4.73 -27.83	65.02 4.61 -26.27	56.36 4.56 -17.78	52.65 4.12 -17.59	43.92 3.70 -10.89
HOLTSVILLE_IC_8 23697	39.68 2.95 -8.40	34.51 2.76 -4.11	33.84 2.68 -4.34	33.47 2.63 -3.96	34.92 2.63 -4.96	40.85 2.91 -8.85	47.77 4.76 -6.16	58.19 5.68 -8.83	50.24 4.80 -8.48	41.35 3.76 -5.12	43.14 3.68 -7.41	40.53 3.50 -7.07	38.71 3.43 -6.65	42.32 3.41 -10.28	44.39 3.71 -10.48	54.32 4.24 -16.93	67.55 4.94 -26.28	86.67 5.81 -38.76	70.69 4.79 -31.18	66.85 4.73 -27.83	65.02 4.61 -26.27	56.36 4.56 -17.78	52.65 4.12 -17.59	43.92 3.70 -10.89
HOLTSVILLE_IC_9 23698	39.68 2.95 -8.40	34.51 2.76 -4.11	33.84 2.68 -4.34	33.47 2.63 -3.96	34.92 2.63 -4.96	40.85 2.91 -8.85	47.77 4.76 -6.16	58.19 5.68 -8.83	50.24 4.80 -8.48	41.35 3.76 -5.12	43.14 3.68 -7.41	40.53 3.50 -7.07	38.71 3.43 -6.65	42.32 3.41 -10.28	44.39 3.71 -10.48	54.32 4.24 -16.93	67.55 4.94 -26.28	86.67 5.81 -38.76	70.69 4.79 -31.18	66.85 4.73 -27.83	65.02 4.61 -26.27	56.36 4.56 -17.78	52.65 4.12 -17.59	43.92 3.70 -10.89
HOMER_HL_115KV_TB2 355744	28.99 0.65 0.00	28.14 0.50 0.00	27.17 0.35 0.00	27.25 0.38 0.00	27.89 0.55 0.00	29.80 0.70 0.00	37.44 0.59 0.00	41.36 -2.32 0.01	36.74 -0.22 0.00	31.89 -0.58 0.00	31.40 -0.64 0.00	29.15 -0.81 0.00	27.68 -0.94 0.00	27.74 -0.89 0.00	29.04 -1.15 0.00	31.82 -1.33 0.00	33.91 -2.91 -0.48	40.75 -3.20 -1.84	33.19 -2.85 -1.32	32.00 -2.85 -0.56	30.94 -3.14 0.06	29.65 -3.16 1.20	27.40 -3.22 0.32	27.93 -1.41 0.00
HOWARD_WT_PWR 323690	29.53 1.19 0.00	28.86 1.21 0.00	28.03 1.21 0.00	28.16 1.29 0.00	28.79 1.45 0.00	30.90 1.80 0.00	39.32 2.47 0.00	46.40 2.67 -0.05	39.33 2.37 0.00	34.32 1.85 0.00	33.49 1.44 0.00	30.91 0.96 0.00	29.37 0.74 0.00	29.32 0.69 0.00	30.89 0.69 0.00	33.64 0.50 0.00	37.83 0.65 -0.84	45.86 0.59 -3.17	37.41 0.38 -2.32	35.26 0.00 -0.98	34.92 -0.31 -1.08	35.45 -0.65 -2.08	30.90 -0.87 -0.82	28.87 -0.47 0.00
HQ_GEN_CEDARS 23644	28.68 0.34 0.00	28.03 0.39 0.00	27.20 0.38 0.00	27.22 0.35 0.00	27.78 0.44 0.00	29.39 0.29 0.00	36.30 -0.55 0.00	42.94 -0.74 0.00	36.37 -0.59 0.00	32.31 -0.16 0.00	31.95 -0.10 0.00	30.05 0.09 0.00	28.71 0.09 0.00	28.69 0.06 0.00	30.16 -0.03 0.00	32.85 -0.30 0.00	35.68 -0.65 0.00	41.26 -0.84 0.00	33.98 -0.73 0.00	33.63 -0.65 0.00	33.66 -0.48 0.00	33.68 -0.34 0.00	30.69 -0.25 0.00	29.31 -0.03 0.00
HQ_GEN_CEDARS_PROXY 323590	28.68 0.34 0.00	28.03 0.39 0.00	27.20 0.38 0.00	27.25 0.38 0.00	27.78 0.44 0.00	29.39 0.29 0.00	36.30 -0.55 0.00	42.94 -0.74 0.00	36.37 -0.59 0.00	32.31 -0.16 0.00	31.91 -0.06 0.08	30.12 0.09 -0.08	28.71 0.09 0.00	28.69 0.06 0.00	30.16 -0.03 0.00	32.85 -0.30 0.00	35.68 -0.65 0.00	41.26 -0.84 0.00	33.98 -0.73 0.00	33.66 -0.62 0.00	33.66 -0.48 0.00	33.68 -0.34 0.00	30.85 -0.09 0.00	29.31 -0.03 0.00



HQ_GEN_IMPORT 323601	28.34 0.00 0.00	27.67 0.03 0.00	26.85 0.03 0.00	26.90 0.03 0.00	27.40 0.05 0.00	31.70 0.00 -2.61	33.80 -0.44 2.61	43.07 -0.61 0.00	34.98 -0.52 1.46	33.80 -0.13 -1.46	31.91 -0.06 0.08	29.97 -0.06 -0.08	28.57 -0.06 0.00	28.55 -0.09 0.00	30.07 -0.12 0.00	33.80 -0.20 -0.85	34.97 -0.51 0.85	41.47 -0.63 0.00	34.19 -0.52 0.00	33.80 -0.48 0.00	33.80 -0.34 0.00	33.75 -0.27 0.00	30.76 -0.18 0.00	29.19 -0.15 0.00
HQ_GEN_WHEEL 23651	28.34 0.00 0.00	27.67 0.03 0.00	26.85 0.03 0.00	26.90 0.03 0.00	27.40 0.05 0.00	31.70 0.00 -2.61	33.80 -0.44 2.61	43.07 -0.61 0.00	34.98 -0.52 1.46	33.80 -0.13 -1.46	31.91 -0.06 0.08	29.97 -0.06 -0.08	28.57 -0.06 0.00	28.55 -0.09 0.00	30.07 -0.12 0.00	33.80 -0.20 -0.85	34.97 -0.51 0.85	41.47 -0.63 0.00	34.19 -0.52 0.00	33.80 -0.48 0.00	33.80 -0.34 0.00	33.75 -0.27 0.00	30.76 -0.18 0.00	29.19 -0.15 0.00
HUDSON AVE_GT_3 23810	29.55 1.22 0.00	28.80 1.16 0.00	27.95 1.13 0.00	28.00 1.13 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.35 2.51 0.00	47.00 3.32 0.00	39.80 2.85 0.00	34.74 2.27 0.00	34.16 2.11 0.00	31.99 2.04 0.00	30.63 2.00 0.00	30.61 1.98 0.00	32.40 2.20 0.00	35.66 2.52 0.00	43.25 3.20 -3.72	60.07 3.87 -14.10	48.12 3.16 -10.24	41.73 3.12 -4.33	39.23 2.94 -2.15	36.78 2.76 0.00	34.01 2.51 -0.56	31.51 2.17 0.00
HUDSON AVE_GT_4 23540	29.55 1.22 0.00	28.80 1.16 0.00	27.95 1.13 0.00	28.00 1.13 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.35 2.51 0.00	47.00 3.32 0.00	39.80 2.85 0.00	34.74 2.27 0.00	34.16 2.11 0.00	31.99 2.04 0.00	30.63 2.00 0.00	30.61 1.98 0.00	32.40 2.20 0.00	35.66 2.52 0.00	43.25 3.20 -3.72	60.07 3.87 -14.10	48.12 3.16 -10.24	41.73 3.12 -4.33	39.23 2.94 -2.15	36.78 2.76 0.00	34.01 2.51 -0.56	31.51 2.17 0.00
HUDSON AVE_GT_5 23657	29.55 1.22 0.00	28.80 1.16 0.00	27.95 1.13 0.00	28.00 1.13 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.35 2.51 0.00	47.00 3.32 0.00	39.80 2.85 0.00	34.74 2.27 0.00	34.16 2.11 0.00	31.99 2.04 0.00	30.63 2.00 0.00	30.61 1.98 0.00	32.40 2.20 0.00	35.66 2.52 0.00	43.25 3.20 -3.72	60.07 3.87 -14.10	48.12 3.16 -10.24	41.73 3.12 -4.33	39.23 2.94 -2.15	36.78 2.76 0.00	34.01 2.51 -0.56	31.51 2.17 0.00
HUDSON_AVE_10 24168	29.47 1.13 0.00	28.72 1.08 0.00	27.87 1.05 0.00	27.92 1.05 0.00	28.27 0.93 0.00	30.14 1.05 0.00	39.28 2.43 0.00	46.96 3.28 0.00	39.77 2.81 0.00	34.71 2.24 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.98 0.00	30.58 1.95 0.00	32.36 2.17 0.00	35.66 2.52 0.00	43.25 3.20 -3.72	60.07 3.87 -14.10	48.12 3.16 -10.24	41.73 3.12 -4.33	39.23 2.94 -2.15	36.74 2.72 0.00	33.98 2.48 -0.56	31.45 2.11 0.00
HUDSON___115KV_TB 4 355613	29.70 1.36 0.00	28.91 1.27 0.00	28.16 1.34 0.00	28.24 1.37 0.00	28.71 1.37 0.00	30.38 1.28 0.00	38.84 1.99 0.00	45.91 2.23 0.00	38.70 1.74 0.00	33.67 1.20 0.00	33.26 1.22 0.00	31.12 1.17 0.00	29.71 1.09 0.00	29.78 1.15 0.00	31.52 1.33 0.00	34.60 1.46 0.00	42.83 2.00 -4.50	61.48 2.32 -17.07	49.12 2.01 -12.39	41.43 1.92 -5.23	38.62 1.88 -2.61	35.76 1.74 0.00	33.30 1.67 -0.69	31.04 1.70 0.00
HUNTER MOUNT___DRP 323613	29.95 1.62 0.00	29.16 1.52 0.00	28.40 1.58 0.00	28.48 1.61 0.00	28.96 1.61 0.00	30.61 1.51 0.00	39.10 2.25 0.00	46.00 2.32 0.00	38.77 1.81 0.00	33.70 1.23 0.00	33.23 1.19 0.00	31.06 1.11 0.00	29.66 1.03 0.00	29.72 1.09 0.00	31.49 1.30 0.00	34.57 1.43 0.00	42.75 2.03 -4.38	61.09 2.36 -16.63	48.90 2.12 -12.07	41.37 1.99 -5.10	38.63 1.95 -2.54	35.79 1.77 0.00	33.34 1.73 -0.67	31.18 1.85 0.00
HUNTINGTON_RES_REC 323705	39.11 2.38 -8.40	33.96 2.21 -4.11	33.30 2.15 -4.33	32.93 2.10 -3.96	34.40 2.11 -4.96	40.27 2.33 -8.84	47.02 4.02 -6.16	57.18 4.68 -8.82	49.43 3.99 -8.48	40.77 3.18 -5.12	42.56 3.11 -7.41	40.02 3.00 -7.07	38.20 2.92 -6.65	41.80 2.89 -10.28	43.87 3.20 -10.48	53.72 3.65 -16.93	66.74 4.14 -26.26	85.75 4.88 -38.77	69.97 4.06 -31.20	66.05 3.94 -27.83	64.20 3.79 -26.27	55.61 3.81 -17.78	52.08 3.56 -17.58	43.42 3.20 -10.88
HUNTLEY___63 23557	27.77 -0.57 0.00	26.98 -0.66 0.00	26.02 -0.80 0.00	26.04 -0.83 0.00	26.66 -0.68 0.00	28.37 -0.73 0.00	35.19 -1.66 0.00	40.22 -3.45 0.02	34.81 -2.14 0.00	30.26 -2.21 0.00	29.83 -2.21 0.00	27.50 -2.46 0.00	26.22 -2.40 0.00	26.31 -2.32 0.00	27.47 -2.72 0.00	30.29 -2.85 0.00	32.47 -4.21 -0.35	38.62 -4.93 -1.44	31.81 -3.85 -0.95	30.74 -3.94 -0.41	29.59 -4.30 0.25	27.87 -4.42 1.73	26.31 -4.15 0.48	25.96 -3.37 0.00
HUNTLEY___64 23558	27.77 -0.57 0.00	26.98 -0.66 0.00	26.02 -0.80 0.00	26.04 -0.83 0.00	26.66 -0.68 0.00	28.37 -0.73 0.00	35.19 -1.66 0.00	40.22 -3.45 0.02	34.81 -2.14 0.00	30.26 -2.21 0.00	29.83 -2.21 0.00	27.50 -2.46 0.00	26.22 -2.40 0.00	26.31 -2.32 0.00	27.47 -2.72 0.00	30.29 -2.85 0.00	32.47 -4.21 -0.35	38.62 -4.93 -1.44	31.81 -3.85 -0.95	30.74 -3.94 -0.41	29.59 -4.30 0.25	27.87 -4.42 1.73	26.31 -4.15 0.48	25.96 -3.37 0.00
HUNTLEY___65 23559	27.77 -0.57 0.00	26.98 -0.66 0.00	26.02 -0.80 0.00	26.04 -0.83 0.00	26.66 -0.68 0.00	28.37 -0.73 0.00	35.19 -1.66 0.00	40.22 -3.45 0.02	34.81 -2.14 0.00	30.26 -2.21 0.00	29.83 -2.21 0.00	27.50 -2.46 0.00	26.22 -2.40 0.00	26.31 -2.32 0.00	27.47 -2.72 0.00	30.29 -2.85 0.00	32.47 -4.21 -0.35	38.62 -4.93 -1.44	31.81 -3.85 -0.95	30.74 -3.94 -0.41	29.59 -4.30 0.25	27.87 -4.42 1.73	26.31 -4.15 0.48	25.96 -3.37 0.00
HUNTLEY___66 23560	27.77 -0.57 0.00	26.98 -0.66 0.00	26.02 -0.80 0.00	26.04 -0.83 0.00	26.66 -0.68 0.00	28.37 -0.73 0.00	35.19 -1.66 0.00	40.22 -3.45 0.02	34.81 -2.14 0.00	30.26 -2.21 0.00	29.83 -2.21 0.00	27.50 -2.46 0.00	26.22 -2.40 0.00	26.31 -2.32 0.00	27.47 -2.72 0.00	30.29 -2.85 0.00	32.47 -4.21 -0.35	38.62 -4.93 -1.44	31.81 -3.85 -0.95	30.74 -3.94 -0.41	29.59 -4.30 0.25	27.87 -4.42 1.73	26.31 -4.15 0.48	25.96 -3.37 0.00
HUNTLEY___67 23561	27.63 -0.71 0.00	26.87 -0.77 0.00	25.91 -0.91 0.00	25.93 -0.94 0.00	26.55 -0.79 0.00	28.25 -0.84 0.00	35.04 -1.81 0.00	40.04 -3.63 0.01	34.70 -2.25 0.00	30.16 -2.31 0.00	29.77 -2.28 0.00	27.47 -2.49 0.00	26.19 -2.43 0.00	26.26 -2.38 0.00	27.44 -2.75 0.00	30.23 -2.92 0.00	32.39 -4.29 -0.35	38.51 -5.01 -1.41	31.76 -3.89 -0.94	30.70 -3.98 -0.40	29.52 -4.37 0.25	27.84 -4.46 1.72	26.31 -4.15 0.49	25.99 -3.34 0.00
HUNTLEY___68 23562	27.63 -0.71 0.00	26.87 -0.77 0.00	25.91 -0.91 0.00	25.93 -0.94 0.00	26.55 -0.79 0.00	28.25 -0.84 0.00	35.04 -1.81 0.00	40.04 -3.63 0.01	34.70 -2.25 0.00	30.16 -2.31 0.00	29.77 -2.28 0.00	27.47 -2.49 0.00	26.19 -2.43 0.00	26.26 -2.38 0.00	27.44 -2.75 0.00	30.23 -2.92 0.00	32.39 -4.29 -0.35	38.51 -5.01 -1.41	31.76 -3.89 -0.94	30.70 -3.98 -0.40	29.52 -4.37 0.25	27.84 -4.46 1.72	26.31 -4.15 0.49	25.99 -3.34 0.00



HYLAND___LFGE 323620	30.01 1.67 0.00	29.22 1.57 0.00	28.30 1.47 0.00	28.27 1.40 0.00	28.87 1.53 0.00	30.99 1.89 0.00	39.28 2.43 0.00	46.41 2.71 -0.02	39.29 2.33 0.00	34.09 1.62 0.00	33.04 0.99 0.00	30.55 0.60 0.00	28.94 0.32 0.00	29.00 0.37 0.00	30.55 0.36 0.00	33.51 0.37 0.00	37.97 0.94 -0.69	46.08 1.35 -2.63	37.73 1.11 -1.91	35.81 0.72 -0.81	35.10 0.41 -0.54	34.58 0.07 -0.49	30.88 -0.34 -0.27	29.13 -0.20 0.00
INDECK___CORINTH 23802	28.87 0.54 0.00	28.08 0.44 0.00	27.41 0.59 0.00	27.46 0.59 0.00	27.94 0.60 0.00	29.79 0.70 0.00	38.43 1.58 0.00	45.69 2.01 0.00	38.51 1.55 0.00	33.44 0.97 0.00	32.97 0.93 0.00	30.73 0.78 0.00	29.31 0.69 0.00	29.35 0.72 0.00	31.13 0.94 0.00	34.14 0.99 0.00	42.58 1.49 -4.76	61.79 1.64 -18.05	49.24 1.42 -13.11	41.05 1.23 -5.53	38.16 1.26 -2.76	35.35 1.33 0.00	32.75 1.08 -0.73	30.39 1.05 0.00
INDECK___ILION 23567	28.62 0.28 0.00	27.95 0.30 0.00	27.12 0.30 0.00	27.19 0.32 0.00	27.67 0.33 0.00	29.50 0.41 0.00	37.62 0.77 0.00	44.64 0.96 0.00	37.77 0.81 0.00	33.05 0.58 0.00	32.59 0.54 0.00	30.41 0.45 0.00	29.06 0.43 0.00	29.03 0.40 0.00	30.61 0.42 0.00	33.68 0.53 0.00	37.10 0.76 0.00	43.03 0.93 0.00	35.41 0.69 0.00	34.97 0.69 0.00	34.76 0.61 0.00	34.60 0.58 0.00	31.44 0.50 0.00	29.75 0.41 0.00
INDECK___OLEAN 23982	28.96 0.62 0.00	28.14 0.50 0.00	27.20 0.38 0.00	27.36 0.48 0.00	27.97 0.63 0.00	29.77 0.67 0.00	37.14 0.29 0.00	41.58 -2.10 0.01	36.70 -0.26 0.00	31.89 -0.58 0.00	31.21 -0.83 0.00	29.06 -0.90 0.00	27.60 -1.03 0.00	27.69 -0.94 0.00	29.01 -1.18 0.00	30.19 -2.95 0.00	33.90 -2.98 -0.54	40.85 -3.33 -2.07	33.25 -2.95 -1.49	32.03 -2.88 -0.63	30.91 -3.21 0.02	29.48 -3.33 1.20	27.32 -3.31 0.31	27.90 -1.44 0.00
INDECK___OSWEGO 23783	27.60 -0.74 0.00	26.95 -0.69 0.00	26.12 -0.70 0.00	26.15 -0.72 0.00	26.63 -0.71 0.00	28.34 -0.76 0.00	36.04 -0.81 0.00	42.82 -0.87 -0.01	36.14 -0.81 0.00	31.63 -0.84 0.00	31.11 -0.93 0.00	29.03 -0.93 0.00	27.74 -0.89 0.00	27.74 -0.89 0.00	29.25 -0.94 0.00	32.15 -0.99 0.00	35.73 -0.91 -0.30	42.23 -1.01 -1.14	34.75 -0.80 -0.83	33.77 -0.86 -0.35	33.36 -0.96 -0.17	32.97 -1.05 0.00	30.00 -0.99 -0.05	28.37 -0.97 0.00
INDECK___YERKES 23781	27.69 -0.65 0.00	26.98 -0.66 0.00	26.07 -0.75 0.00	26.23 -0.65 0.00	26.71 -0.63 0.00	28.34 -0.76 0.00	34.82 -2.03 0.00	40.44 -3.23 0.02	34.74 -2.22 0.00	30.26 -2.21 0.00	29.58 -2.47 0.00	27.44 -2.52 0.00	26.05 -2.58 0.00	26.20 -2.43 0.00	27.41 -2.78 0.00	29.27 -3.88 0.00	32.51 -4.21 -0.39	38.76 -4.93 -1.59	31.95 -3.82 -1.06	30.75 -3.98 -0.45	29.55 -4.37 0.22	27.67 -4.63 1.72	26.23 -4.24 0.48	25.90 -3.43 0.00
INDIAN POINT_GT_1 24139	29.44 1.11 0.00	28.64 1.00 0.00	27.79 0.97 0.00	27.87 0.99 0.00	28.24 0.90 0.00	30.14 1.05 0.00	39.10 2.25 0.00	46.57 2.88 0.00	39.40 2.44 0.00	34.35 1.88 0.00	33.81 1.76 0.00	31.66 1.71 0.00	30.31 1.69 0.00	30.29 1.66 0.00	32.03 1.84 0.00	35.27 2.12 0.00	42.81 2.80 -3.68	59.47 3.41 -13.95	47.63 2.78 -10.14	41.27 2.71 -4.28	38.86 2.59 -2.13	36.47 2.45 0.00	33.73 2.23 -0.56	31.27 1.94 0.00
INDIAN POINT_GT_2 23659	29.44 1.11 0.00	28.64 1.00 0.00	27.79 0.97 0.00	27.87 0.99 0.00	28.24 0.90 0.00	30.14 1.05 0.00	39.10 2.25 0.00	46.57 2.88 0.00	39.40 2.44 0.00	34.35 1.88 0.00	33.81 1.76 0.00	31.66 1.71 0.00	30.31 1.69 0.00	30.29 1.66 0.00	32.03 1.84 0.00	35.27 2.12 0.00	42.81 2.80 -3.68	59.47 3.41 -13.95	47.63 2.78 -10.14	41.27 2.71 -4.28	38.86 2.59 -2.13	36.47 2.45 0.00	33.73 2.23 -0.56	31.27 1.94 0.00
INDIAN POINT_GT_3 24019	29.44 1.11 0.00	28.64 1.00 0.00	27.79 0.97 0.00	27.87 0.99 0.00	28.24 0.90 0.00	30.14 1.05 0.00	39.10 2.25 0.00	46.57 2.88 0.00	39.40 2.44 0.00	34.35 1.88 0.00	33.81 1.76 0.00	31.66 1.71 0.00	30.31 1.69 0.00	30.29 1.66 0.00	32.03 1.84 0.00	35.27 2.12 0.00	42.81 2.80 -3.68	59.47 3.41 -13.95	47.63 2.78 -10.14	41.27 2.71 -4.28	38.86 2.59 -2.13	36.47 2.45 0.00	33.73 2.23 -0.56	31.27 1.94 0.00
INDIAN POINT___2 23530	29.50 1.16 0.00	28.66 1.02 0.00	27.79 0.96 0.00	27.81 0.94 0.00	28.24 0.90 0.00	30.14 1.05 0.00	39.10 2.25 0.00	46.48 2.80 0.00	39.36 2.40 0.00	34.29 1.82 0.00	33.81 1.76 0.00	31.66 1.71 0.00	30.31 1.69 0.00	30.29 1.66 0.00	32.03 1.84 0.00	35.33 2.19 0.00	42.68 2.73 -3.63	59.17 3.33 -13.75	47.41 2.71 -9.99	41.14 2.64 -4.22	38.76 2.53 -2.10	36.47 2.45 0.00	33.69 2.20 -0.55	31.27 1.94 0.00
INDIAN POINT___3 23531	29.38 1.05 0.00	28.61 0.97 0.00	27.76 0.94 0.00	27.84 0.97 0.00	28.22 0.87 0.00	30.12 1.02 0.00	39.02 2.17 0.00	46.52 2.84 0.00	39.36 2.40 0.00	34.29 1.82 0.00	33.74 1.70 0.00	31.63 1.68 0.00	30.29 1.66 0.00	30.26 1.63 0.00	32.00 1.81 0.00	35.23 2.09 0.00	42.78 2.76 -3.68	59.39 3.33 -13.96	47.57 2.71 -10.15	41.24 2.67 -4.28	38.80 2.53 -2.13	36.44 2.42 0.00	33.70 2.20 -0.56	31.24 1.91 0.00
INGHAM_C_115KV_TB7 356103	28.70 0.37 0.00	28.06 0.41 0.00	27.22 0.40 0.00	27.30 0.43 0.00	27.81 0.46 0.00	29.71 0.61 0.00	37.88 1.03 0.00	44.99 1.31 0.00	38.07 1.11 0.00	33.31 0.84 0.00	32.85 0.80 0.00	30.61 0.66 0.00	29.23 0.60 0.00	29.20 0.57 0.00	30.79 0.60 0.00	33.87 0.73 0.00	37.35 1.02 0.00	43.28 1.18 0.00	35.62 0.90 0.00	35.14 0.86 0.00	34.89 0.75 0.00	34.77 0.75 0.00	31.53 0.59 0.00	29.86 0.53 0.00
IP CORINTH___1 23988	29.04 0.71 0.00	28.25 0.61 0.00	27.55 0.72 0.00	27.62 0.75 0.00	28.11 0.77 0.00	29.97 0.87 0.00	38.62 1.77 0.00	45.95 2.27 0.00	38.70 1.74 0.00	33.64 1.17 0.00	33.13 1.09 0.00	30.91 0.96 0.00	29.48 0.86 0.00	29.49 0.86 0.00	31.28 1.09 0.00	34.24 1.09 0.00	42.76 1.67 -4.76	62.05 1.89 -18.06	49.42 1.60 -13.11	41.22 1.41 -5.54	38.33 1.43 -2.76	35.48 1.46 0.00	32.94 1.27 -0.73	30.57 1.23 0.00
IP___TICONDEROGA 23804	30.18 1.84 0.00	29.30 1.66 0.00	28.67 1.85 0.00	28.75 1.88 0.00	29.28 1.94 0.00	31.25 2.15 0.00	40.50 3.65 0.00	48.18 4.50 0.00	40.51 3.55 0.00	35.10 2.63 0.00	34.58 2.53 0.00	32.08 2.13 0.00	30.49 1.86 0.00	30.55 1.92 0.00	32.52 2.32 0.00	35.73 2.59 0.00	44.50 3.42 -4.75	64.10 3.96 -18.04	51.14 3.33 -13.10	42.83 3.02 -5.53	40.00 3.11 -2.75	36.91 2.89 0.00	34.17 2.51 -0.72	31.71 2.38 0.00
ISLIP_RES_REC 323679	39.84 3.12 -8.39	34.67 2.93 -4.10	33.96 2.82 -4.33	33.60 2.77 -3.96	35.08 2.79 -4.95	41.01 3.08 -8.83	47.97 4.97 -6.15	58.48 5.98 -8.81	50.49 5.06 -8.46	41.54 3.96 -5.11	43.32 3.88 -7.40	40.70 3.68 -7.06	38.87 3.61 -6.64	42.47 3.58 -10.26	44.55 3.90 -10.47	54.52 4.47 -16.90	67.76 5.20 -26.24	87.10 6.15 -38.85	71.04 5.07 -31.26	67.17 4.97 -27.92	65.22 4.85 -26.23	56.57 4.80 -17.75	52.80 4.30 -17.56	44.08 3.87 -10.87



JAMAICA__27_KV_LOAD 355505	29.64 1.30 0.00	28.91 1.27 0.00	28.05 1.23 0.00	28.08 1.21 0.00	28.44 1.09 0.00	30.32 1.22 0.00	39.61 2.76 0.00	47.35 3.67 0.00	40.17 3.22 0.00	35.07 2.60 0.00	34.42 2.37 0.00	32.23 2.28 0.00	30.86 2.23 0.00	30.84 2.20 0.00	32.67 2.48 0.00	36.00 2.85 0.00	43.65 3.60 -3.72	60.58 4.38 -14.10	48.53 3.58 -10.24	42.14 3.53 -4.33	39.57 3.28 -2.15	37.05 3.03 0.00	34.23 2.72 -0.56	31.65 2.32 0.00
JANIS__SOLAR 323808	30.06 1.73 0.00	29.41 1.77 0.00	28.51 1.69 0.00	28.57 1.69 0.00	29.12 1.78 0.00	31.22 2.12 0.00	40.02 3.17 0.00	47.55 3.85 -0.02	39.99 3.03 0.00	34.68 2.21 0.00	33.77 1.73 0.00	31.33 1.38 0.00	29.92 1.29 0.00	29.83 1.20 0.00	31.43 1.24 0.00	34.67 1.53 0.00	39.86 2.50 -1.02	49.03 3.07 -3.86	40.03 2.50 -2.81	37.83 2.36 -1.19	36.93 1.98 -0.81	36.53 1.73 -0.78	32.63 1.27 -0.42	30.63 1.29 0.00
JARVIS____ 23743	28.45 0.11 0.00	27.75 0.11 0.00	26.93 0.11 0.00	26.98 0.11 0.00	27.45 0.11 0.00	29.24 0.15 0.00	37.22 0.37 0.00	44.16 0.48 0.00	37.33 0.37 0.00	32.70 0.23 0.00	32.24 0.19 0.00	30.14 0.18 0.00	28.80 0.17 0.00	28.80 0.17 0.00	30.37 0.18 0.00	33.41 0.26 0.00	36.73 0.40 0.00	42.57 0.46 0.00	35.10 0.38 0.00	34.66 0.38 0.00	34.45 0.31 0.00	34.36 0.34 0.00	31.22 0.28 0.00	29.57 0.23 0.00
JENNISON____1 23625	30.23 1.90 0.00	29.55 1.91 0.00	28.62 1.80 0.00	28.67 1.80 0.00	29.20 1.86 0.00	31.31 2.21 0.00	40.35 3.50 0.00	47.72 4.02 -0.01	40.40 3.44 0.00	35.13 2.66 0.00	34.35 2.31 0.00	31.81 1.86 0.00	30.40 1.77 0.00	30.29 1.66 0.00	31.91 1.72 0.00	35.30 2.15 0.00	40.50 2.83 -1.33	50.58 3.45 -5.03	41.12 2.74 -3.66	38.50 2.67 -1.55	37.34 2.32 -0.88	36.57 2.14 -0.40	32.95 1.67 -0.33	30.98 1.64 0.00
JENNISON____2 23626	30.23 1.90 0.00	29.55 1.91 0.00	28.62 1.80 0.00	28.67 1.80 0.00	29.20 1.86 0.00	31.31 2.21 0.00	40.35 3.50 0.00	47.72 4.02 -0.01	40.40 3.44 0.00	35.13 2.66 0.00	34.35 2.31 0.00	31.81 1.86 0.00	30.40 1.77 0.00	30.29 1.66 0.00	31.91 1.72 0.00	35.30 2.15 0.00	40.50 2.83 -1.33	50.58 3.45 -5.03	41.12 2.74 -3.66	38.50 2.67 -1.55	37.34 2.32 -0.88	36.57 2.14 -0.40	32.95 1.67 -0.33	30.98 1.64 0.00
JERICOHO_RISE_WT_PWR 323719	28.34 0.00 0.00	27.78 0.14 0.00	27.03 0.21 0.00	27.20 0.32 0.00	27.86 0.52 0.00	29.42 0.32 0.00	36.22 -0.63 0.00	42.85 -0.83 0.00	36.29 -0.66 0.00	32.57 0.10 0.00	32.21 0.16 0.00	29.99 0.03 0.00	28.54 -0.09 0.00	28.52 -0.11 0.00	29.92 -0.27 0.00	32.75 -0.40 0.00	35.46 -0.87 0.00	40.42 -1.69 0.00	33.43 -1.28 0.00	32.87 -1.41 0.00	32.67 -1.47 0.00	32.52 -1.50 0.00	29.86 -1.08 0.00	28.22 -1.11 0.00
KATONAH__115KV_46KV_TB4 355592	29.67 1.33 0.00	28.91 1.27 0.00	28.03 1.21 0.00	28.13 1.26 0.00	28.46 1.12 0.00	30.38 1.28 0.00	39.39 2.54 0.00	47.00 3.32 0.00	39.77 2.81 0.00	34.61 2.14 0.00	33.97 1.92 0.00	31.78 1.83 0.00	30.43 1.80 0.00	30.38 1.75 0.00	32.12 1.93 0.00	35.43 2.29 0.00	43.19 3.09 -3.77	60.14 3.75 -14.29	48.22 3.12 -10.38	41.68 3.02 -4.38	39.22 2.90 -2.18	36.81 2.79 0.00	33.96 2.44 -0.57	31.48 2.14 0.00
KCE_NY_1 323755	29.50 1.16 0.00	28.69 1.05 0.00	27.95 1.13 0.00	28.00 1.13 0.00	28.49 1.15 0.00	30.35 1.25 0.00	39.02 2.17 0.00	46.35 2.67 0.00	39.10 2.14 0.00	34.00 1.53 0.00	33.55 1.51 0.00	31.31 1.35 0.00	29.92 1.29 0.00	29.95 1.32 0.00	31.67 1.48 0.00	34.90 1.76 0.00	43.33 2.25 -4.74	62.72 2.61 -18.00	49.97 2.19 -13.07	41.82 2.02 -5.52	38.94 2.05 -2.75	36.03 2.01 0.00	33.40 1.73 -0.72	30.98 1.64 0.00
KCE_NY_6_ESR 323823	28.05 -0.28 0.00	27.34 -0.30 0.00	26.39 -0.43 0.00	26.58 -0.29 0.00	27.07 -0.27 0.00	28.75 -0.35 0.00	35.41 -1.44 0.00	40.83 -2.84 0.01	35.26 -1.70 0.00	30.68 -1.79 0.00	29.99 -2.05 0.00	27.83 -2.13 0.00	26.42 -2.20 0.00	26.54 -2.09 0.00	27.77 -2.42 0.00	29.50 -3.65 0.00	32.79 -3.96 -0.42	39.20 -4.59 -1.68	32.25 -3.61 -1.14	31.00 -3.77 -0.49	29.83 -4.13 0.18	28.05 -4.35 1.61	26.45 -4.05 0.44	26.28 -3.05 0.00
KEDC_PORT_JEFF_GT2 24210	39.64 2.89 -8.41	34.46 2.71 -4.11	33.79 2.63 -4.34	33.42 2.58 -3.97	34.87 2.57 -4.96	40.81 2.85 -8.86	47.70 4.68 -6.17	58.07 5.55 -8.83	50.14 4.69 -8.49	41.29 3.70 -5.12	43.09 3.62 -7.42	40.48 3.44 -7.08	38.66 3.38 -6.66	42.27 3.35 -10.29	44.34 3.65 -10.49	54.27 4.18 -16.95	67.50 4.87 -26.30	86.41 5.60 -38.71	70.58 4.72 -31.14	66.73 4.66 -27.79	64.98 4.54 -26.30	56.31 4.49 -17.80	52.60 4.05 -17.61	43.90 3.67 -10.90
KEDC_PORT_JEFF_GT3 24211	39.64 2.89 -8.41	34.46 2.71 -4.11	33.79 2.63 -4.34	33.42 2.58 -3.97	34.87 2.57 -4.96	40.81 2.85 -8.86	47.70 4.68 -6.17	58.07 5.55 -8.83	50.14 4.69 -8.49	41.29 3.70 -5.12	43.09 3.62 -7.42	40.48 3.44 -7.08	38.66 3.38 -6.66	42.27 3.35 -10.29	44.34 3.65 -10.49	54.27 4.18 -16.95	67.50 4.87 -26.30	86.41 5.60 -38.71	70.58 4.72 -31.14	66.73 4.66 -27.79	64.98 4.54 -26.30	56.31 4.49 -17.80	52.60 4.05 -17.61	43.90 3.67 -10.90
KEDC_GLWD_GT4 24219	36.11 1.79 -5.98	32.20 1.63 -2.93	31.49 1.58 -3.09	31.24 1.56 -2.81	32.39 1.53 -3.51	37.07 1.69 -6.28	44.22 2.98 -4.39	53.59 3.62 -6.28	46.18 3.18 -6.04	38.68 2.56 -3.65	39.83 2.50 -5.28	37.39 2.40 -5.04	35.71 2.35 -4.74	38.27 2.32 -7.32	40.22 2.56 -7.46	48.07 2.88 -12.05	59.51 3.41 -19.76	99.87 4.08 -53.69	81.91 3.33 -43.86	79.64 3.29 -42.06	56.63 3.18 -19.31	49.77 3.10 -12.66	46.41 2.79 -12.68	39.67 2.58 -7.75
KEDC_GLWD_GT5 24220	36.11 1.79 -5.98	32.20 1.63 -2.93	31.49 1.58 -3.09	31.24 1.56 -2.81	32.39 1.53 -3.51	37.07 1.69 -6.28	44.22 2.98 -4.39	53.59 3.62 -6.28	46.18 3.18 -6.04	38.68 2.56 -3.65	39.83 2.50 -5.28	37.39 2.40 -5.04	35.71 2.35 -4.74	38.27 2.32 -7.32	40.22 2.56 -7.46	48.07 2.88 -12.05	59.51 3.41 -19.76	99.87 4.08 -53.69	81.91 3.33 -43.86	79.64 3.29 -42.06	56.63 3.18 -19.31	49.77 3.10 -12.66	46.41 2.79 -12.68	39.67 2.58 -7.75
KENSICO____ 23655	29.50 1.16 0.00	28.72 1.08 0.00	27.87 1.05 0.00	27.92 1.05 0.00	28.30 0.96 0.00	30.20 1.11 0.00	39.17 2.32 0.00	46.74 3.06 0.00	39.55 2.59 0.00	34.48 2.01 0.00	33.94 1.89 0.00	31.78 1.83 0.00	30.43 1.80 0.00	30.41 1.78 0.00	32.15 1.96 0.00	35.40 2.25 0.00	42.99 2.94 -3.71	59.75 3.58 -14.07	47.85 2.92 -10.22	41.44 2.85 -4.32	39.02 2.73 -2.15	36.61 2.59 0.00	33.86 2.35 -0.56	31.39 2.05 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	29.61 1.28 0.00	28.83 1.19 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.41 1.07 0.00	30.41 1.31 0.00	39.39 2.54 0.00	46.57 2.88 0.00	39.40 2.44 0.00	34.35 1.88 0.00	33.71 1.67 0.00	31.51 1.56 0.00	30.09 1.46 0.00	30.09 1.46 0.00	31.61 1.42 0.00	34.84 1.69 0.00	42.36 2.47 -3.55	58.61 3.03 -13.48	47.11 2.60 -9.79	40.92 2.50 -4.14	38.55 2.36 -2.05	36.16 2.14 0.00	33.71 2.23 -0.54	31.30 1.97 0.00



KIAC_JFK_GT1 23816	29.55 1.22 0.00	28.83 1.19 0.00	27.97 1.15 0.00	28.03 1.16 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.50 2.65 0.00	47.22 3.54 0.00	40.03 3.07 0.00	34.97 2.50 0.00	34.32 2.28 0.00	32.14 2.19 0.00	30.77 2.15 0.00	30.75 2.12 0.00	32.58 2.39 0.00	35.90 2.75 0.00	43.50 3.45 -3.72	60.41 4.21 -14.10	48.43 3.47 -10.24	42.03 3.43 -4.33	39.47 3.18 -2.15	36.95 2.93 0.00	34.14 2.63 -0.56	31.57 2.23 0.00
KIAC_JFK_GT2 23817	29.55 1.22 0.00	28.83 1.19 0.00	27.97 1.15 0.00	28.03 1.16 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.50 2.65 0.00	47.22 3.54 0.00	40.03 3.07 0.00	34.97 2.50 0.00	34.32 2.28 0.00	32.14 2.19 0.00	30.77 2.15 0.00	30.75 2.12 0.00	32.58 2.39 0.00	35.90 2.75 0.00	43.50 3.45 -3.72	60.41 4.21 -14.10	48.43 3.47 -10.24	42.03 3.43 -4.33	39.47 3.18 -2.15	36.95 2.93 0.00	34.14 2.63 -0.56	31.57 2.23 0.00
KIAC_JFK____ 323774	29.75 1.42 0.00	28.91 1.27 0.00	28.03 1.21 0.00	28.03 1.15 0.00	28.41 1.07 0.00	30.29 1.19 0.00	39.61 2.77 0.00	47.13 3.45 0.00	40.06 3.10 0.00	34.94 2.47 0.00	34.38 2.34 0.00	32.17 2.22 0.00	30.80 2.17 0.00	30.78 2.15 0.00	32.61 2.42 0.00	36.00 2.85 0.00	43.50 3.45 -3.72	60.44 4.25 -14.09	48.39 3.44 -10.24	42.03 3.43 -4.32	39.47 3.18 -2.15	36.98 2.96 0.00	34.17 2.66 -0.56	31.57 2.23 0.00
KINTIGH____ 23543	27.32 -1.02 0.00	26.59 -1.05 0.00	25.64 -1.18 0.00	25.66 -1.21 0.00	26.25 -1.09 0.00	27.96 -1.13 0.00	34.82 -2.03 0.00	40.52 -3.15 0.02	34.63 -2.33 0.00	30.16 -2.31 0.00	29.77 -2.28 0.00	27.53 -2.43 0.00	26.28 -2.35 0.00	26.31 -2.32 0.00	27.53 -2.66 0.00	30.33 -2.82 0.00	33.24 -3.60 -0.50	39.84 -4.21 -1.95	32.91 -3.19 -1.39	31.54 -3.33 -0.59	30.43 -3.65 0.05	29.05 -3.74 1.23	27.15 -3.47 0.33	26.17 -3.17 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	28.85 0.51 0.00	28.30 0.66 0.00	27.55 0.72 0.00	27.65 0.78 0.00	28.41 1.07 0.00	29.94 0.84 0.00	36.74 -0.11 0.00	43.51 -0.17 0.00	36.81 -0.15 0.00	33.09 0.62 0.00	32.69 0.64 0.00	30.44 0.48 0.00	28.91 0.29 0.00	28.89 0.26 0.00	30.28 0.09 0.00	33.24 0.10 0.00	36.04 -0.29 0.00	41.01 -1.09 0.00	34.02 -0.69 0.00	33.42 -0.86 0.00	33.19 -0.96 0.00	32.97 -1.05 0.00	30.23 -0.71 0.00	28.57 -0.76 0.00
LACHUTE____HYDRO 323717	30.18 1.84 0.00	29.30 1.66 0.00	28.67 1.85 0.00	28.75 1.88 0.00	29.28 1.94 0.00	31.25 2.15 0.00	40.50 3.65 0.00	48.18 4.50 0.00	40.51 3.55 0.00	35.10 2.63 0.00	34.58 2.53 0.00	32.08 2.13 0.00	30.49 1.86 0.00	30.55 1.92 0.00	32.48 2.29 0.00	35.80 2.65 0.00	44.50 3.41 -4.75	64.09 3.96 -18.03	51.14 3.33 -13.09	42.83 3.02 -5.53	39.97 3.07 -2.75	36.95 2.93 0.00	34.14 2.48 -0.72	31.71 2.38 0.00
LAWRNCALV_115KV_TB1 80681	28.53 0.20 0.00	27.89 0.25 0.00	27.06 0.24 0.00	27.11 0.24 0.00	27.62 0.27 0.00	29.07 -0.03 0.00	35.82 -1.03 0.00	42.46 -1.22 0.00	35.92 -1.03 0.00	31.89 -0.58 0.00	31.60 -0.45 0.00	29.66 -0.30 0.00	28.31 -0.31 0.00	28.29 -0.34 0.00	29.74 -0.45 0.00	32.45 -0.70 0.00	35.21 -1.13 0.00	40.71 -1.39 0.00	33.53 -1.18 0.00	33.18 -1.10 0.00	33.29 -0.85 0.00	33.44 -0.58 0.00	30.51 -0.43 0.00	29.10 -0.23 0.00
LEDERLE____ 23769	29.47 1.13 0.00	28.69 1.05 0.00	27.84 1.02 0.00	27.89 1.02 0.00	28.27 0.93 0.00	30.20 1.11 0.00	39.17 2.32 0.00	46.61 2.93 0.00	39.40 2.44 0.00	34.35 1.88 0.00	33.81 1.76 0.00	31.69 1.74 0.00	30.31 1.69 0.00	30.29 1.66 0.00	32.06 1.87 0.00	35.27 2.12 0.00	42.70 2.80 -3.57	59.07 3.41 -13.55	47.37 2.81 -9.85	41.18 2.74 -4.16	38.84 2.63 -2.07	36.50 2.48 0.00	33.74 2.26 -0.54	31.30 1.97 0.00
LIGHTHSE_115KV_TB6 355974	27.85 -0.48 0.00	27.23 -0.41 0.00	26.37 -0.46 0.00	26.39 -0.48 0.00	26.88 -0.46 0.00	28.60 -0.49 0.00	36.41 -0.44 0.00	43.21 -0.48 -0.01	36.44 -0.52 0.00	31.82 -0.65 0.00	31.34 -0.70 0.00	29.18 -0.78 0.00	27.85 -0.77 0.00	27.86 -0.77 0.00	29.38 -0.82 0.00	32.28 -0.86 0.00	35.91 -0.69 -0.27	42.42 -0.72 -1.03	34.91 -0.56 -0.75	33.98 -0.62 -0.32	33.55 -0.75 -0.16	33.27 -0.75 0.00	30.21 -0.77 -0.04	28.57 -0.76 0.00
LINDEN COGEN____ 23786	29.50 1.16 0.00	28.66 1.02 0.00	27.79 0.96 0.00	27.81 0.94 0.00	28.22 0.87 0.00	30.09 0.99 0.00	39.17 2.32 0.00	46.65 2.97 0.00	39.58 2.62 0.00	34.52 2.05 0.00	34.00 1.96 0.00	31.84 1.89 0.00	30.49 1.86 0.00	30.44 1.80 0.00	32.25 2.05 0.00	35.56 2.42 0.00	42.96 2.91 -3.72	59.77 3.58 -14.09	47.83 2.88 -10.24	41.48 2.88 -4.32	39.02 2.73 -2.15	36.61 2.58 0.00	33.83 2.32 -0.56	31.33 2.00 0.00
LINDHRST_69_KV_BK1 356055	38.67 2.44 -7.90	33.88 2.38 -3.86	33.20 2.31 -4.08	32.93 2.34 -3.72	34.30 2.30 -4.66	39.91 2.50 -8.31	46.70 4.05 -5.80	57.05 5.07 -8.30	49.25 4.32 -7.97	40.66 3.38 -4.81	42.28 3.27 -6.97	39.72 3.12 -6.65	37.97 3.09 -6.26	41.36 3.06 -9.66	43.37 3.32 -9.86	52.87 3.81 -15.92	65.76 4.51 -24.92	88.44 5.26 -41.07	72.17 4.30 -33.15	68.59 4.28 -30.03	63.13 4.17 -24.83	54.79 4.05 -16.72	51.19 3.68 -16.57	42.89 3.32 -10.24
LIPA_MISC_IPP 23656	39.39 2.64 -8.42	34.36 2.60 -4.12	33.77 2.60 -4.34	33.45 2.61 -3.97	34.88 2.57 -4.97	40.67 2.71 -8.87	47.63 4.61 -6.18	58.21 5.68 -8.85	50.15 4.69 -8.50	41.07 3.47 -5.13	42.90 3.43 -7.43	40.25 3.21 -7.09	38.50 3.21 -6.67	42.17 3.24 -10.30	44.23 3.53 -10.51	54.16 4.04 -16.97	67.49 4.83 -26.33	86.48 5.73 -38.65	70.46 4.65 -31.09	66.63 4.63 -27.73	64.94 4.47 -26.33	56.13 4.29 -17.82	52.47 3.90 -17.63	43.80 3.55 -10.91
LISF__SOLAR 323691	39.78 3.03 -8.42	34.60 2.85 -4.11	33.93 2.76 -4.34	33.55 2.71 -3.97	35.02 2.71 -4.97	40.96 3.00 -8.86	47.89 4.86 -6.18	58.34 5.81 -8.84	50.29 4.84 -8.49	41.36 3.76 -5.13	43.12 3.65 -7.43	40.51 3.47 -7.08	38.75 3.46 -6.67	42.36 3.43 -10.30	44.41 3.71 -10.50	54.35 4.24 -16.96	67.59 4.94 -26.31	86.66 5.89 -38.67	70.65 4.82 -31.11	66.79 4.76 -27.75	65.13 4.68 -26.32	56.46 4.63 -17.81	52.74 4.18 -17.62	43.97 3.73 -10.91
LITTLE FALLS____HYD 24013	28.70 0.37 0.00	28.06 0.41 0.00	27.22 0.40 0.00	27.30 0.43 0.00	27.81 0.46 0.00	29.71 0.61 0.00	37.88 1.03 0.00	44.99 1.31 0.00	38.07 1.11 0.00	33.31 0.84 0.00	32.85 0.80 0.00	30.61 0.66 0.00	29.23 0.60 0.00	29.20 0.57 0.00	30.79 0.60 0.00	33.87 0.73 0.00	37.35 1.02 0.00	43.28 1.18 0.00	35.62 0.90 0.00	35.14 0.86 0.00	34.89 0.75 0.00	34.77 0.75 0.00	31.53 0.59 0.00	29.86 0.53 0.00
LITTLRIV_115KV_TB1 356100	28.87 0.54 0.00	28.25 0.61 0.00	27.41 0.59 0.00	27.46 0.59 0.00	27.97 0.63 0.00	29.48 0.38 0.00	36.41 -0.44 0.00	43.12 -0.57 0.00	36.51 -0.44 0.00	32.44 -0.03 0.00	32.08 0.03 0.00	30.05 0.09 0.00	28.71 0.09 0.00	28.66 0.03 0.00	30.16 -0.03 0.00	32.91 -0.23 0.00	35.75 -0.58 0.00	41.43 -0.67 0.00	34.09 -0.62 0.00	33.77 -0.51 0.00	33.80 -0.34 0.00	33.99 -0.03 0.00	30.91 -0.03 0.00	29.48 0.15 0.00



LI_NEWBRDGE___DRP 323616	38.70 1.67 -8.69	33.49 1.60 -4.25	32.89 1.58 -4.49	32.59 1.61 -4.10	34.03 1.56 -5.13	39.94 1.69 -9.16	46.20 2.98 -6.37	56.56 3.76 -9.12	48.95 3.22 -8.77	40.33 2.57 -5.30	42.15 2.44 -7.67	39.64 2.37 -7.32	37.86 2.35 -6.88	41.59 2.32 -10.64	43.60 2.57 -10.85	53.55 2.88 -17.52	66.83 3.45 -27.05	83.07 4.04 -36.93	67.64 3.30 -29.63	63.62 3.26 -26.09	64.43 3.18 -27.11	55.48 3.06 -18.40	52.00 2.88 -18.18	43.18 2.58 -11.27
LOCKPORT_115KV_TB60_63_64 80432	27.60 -0.74 0.00	26.81 -0.83 0.00	25.86 -0.97 0.00	25.88 -0.99 0.00	26.49 -0.85 0.00	28.19 -0.90 0.00	34.97 -1.88 0.00	40.00 -3.67 0.02	34.63 -2.33 0.00	30.07 -2.40 0.00	29.64 -2.40 0.00	27.35 -2.61 0.00	26.08 -2.55 0.00	26.14 -2.49 0.00	27.29 -2.90 0.00	30.13 -3.02 0.00	32.29 -4.40 -0.36	38.51 -5.05 -1.46	31.76 -3.92 -0.96	30.65 -4.05 -0.41	29.45 -4.44 0.25	27.75 -4.52 1.74	26.21 -4.24 0.49	25.85 -3.49 0.00
LOCKPORT___CC1 323769	27.46 -0.88 0.00	26.78 -0.86 0.00	25.86 -0.96 0.00	26.01 -0.86 0.00	26.49 -0.85 0.00	28.14 -0.96 0.00	34.53 -2.32 0.00	40.13 -3.54 0.02	34.41 -2.55 0.00	30.00 -2.47 0.00	29.32 -2.72 0.00	27.20 -2.76 0.00	25.85 -2.78 0.00	25.97 -2.66 0.00	27.17 -3.02 0.00	29.07 -4.08 0.00	32.28 -4.43 -0.38	38.55 -5.14 -1.58	31.81 -3.96 -1.05	30.58 -4.15 -0.45	29.37 -4.54 0.23	27.47 -4.80 1.75	26.06 -4.39 0.49	25.73 -3.61 0.00
LOCKPORT___CC2 323770	27.46 -0.88 0.00	26.78 -0.86 0.00	25.86 -0.96 0.00	26.01 -0.86 0.00	26.49 -0.85 0.00	28.14 -0.96 0.00	34.53 -2.32 0.00	40.13 -3.54 0.02	34.41 -2.55 0.00	30.00 -2.47 0.00	29.32 -2.72 0.00	27.20 -2.76 0.00	25.85 -2.78 0.00	25.97 -2.66 0.00	27.17 -3.02 0.00	29.07 -4.08 0.00	32.28 -4.43 -0.38	38.55 -5.14 -1.58	31.81 -3.96 -1.05	30.58 -4.15 -0.45	29.37 -4.54 0.23	27.47 -4.80 1.75	26.06 -4.39 0.49	25.73 -3.61 0.00
LOCKPORT___CC3 323771	27.46 -0.88 0.00	26.78 -0.86 0.00	25.86 -0.96 0.00	26.01 -0.86 0.00	26.49 -0.85 0.00	28.14 -0.96 0.00	34.53 -2.32 0.00	40.13 -3.54 0.02	34.41 -2.55 0.00	30.00 -2.47 0.00	29.32 -2.72 0.00	27.20 -2.76 0.00	25.85 -2.78 0.00	25.97 -2.66 0.00	27.17 -3.02 0.00	29.07 -4.08 0.00	32.28 -4.43 -0.38	38.55 -5.14 -1.58	31.81 -3.96 -1.05	30.58 -4.15 -0.45	29.37 -4.54 0.23	27.47 -4.80 1.75	26.06 -4.39 0.49	25.73 -3.61 0.00
LONG_LAKE_PHOENIX 24014	27.71 -0.62 0.00	27.06 -0.58 0.00	26.23 -0.59 0.00	26.25 -0.62 0.00	26.71 -0.63 0.00	28.49 -0.61 0.00	36.22 -0.63 0.00	43.04 -0.66 -0.01	36.33 -0.63 0.00	31.76 -0.71 0.00	31.28 -0.77 0.00	29.15 -0.81 0.00	27.82 -0.80 0.00	27.86 -0.77 0.00	29.38 -0.82 0.00	32.32 -0.83 0.00	35.88 -0.76 -0.31	42.42 -0.84 -1.16	34.90 -0.66 -0.84	33.92 -0.72 -0.36	33.47 -0.85 -0.18	33.10 -0.92 0.00	30.09 -0.90 -0.05	28.46 -0.88 0.00
LOVETT___3 23632	29.36 1.02 0.00	28.55 0.91 0.00	27.71 0.89 0.00	27.79 0.91 0.00	28.16 0.82 0.00	30.09 0.99 0.00	38.99 2.14 0.00	46.44 2.75 0.00	39.25 2.29 0.00	34.22 1.75 0.00	33.68 1.63 0.00	31.57 1.62 0.00	30.23 1.60 0.00	30.21 1.57 0.00	31.94 1.75 0.00	35.13 1.99 0.00	42.57 2.65 -3.59	58.95 3.24 -13.61	47.24 2.64 -9.89	41.03 2.57 -4.18	38.67 2.46 -2.07	36.37 2.35 0.00	33.62 2.14 -0.54	31.18 1.85 0.00
LOVETT___4 23642	29.36 1.02 0.00	28.55 0.91 0.00	27.71 0.89 0.00	27.79 0.91 0.00	28.16 0.82 0.00	30.09 0.99 0.00	38.99 2.14 0.00	46.44 2.75 0.00	39.25 2.29 0.00	34.22 1.75 0.00	33.68 1.63 0.00	31.57 1.62 0.00	30.23 1.60 0.00	30.21 1.57 0.00	31.94 1.75 0.00	35.13 1.99 0.00	42.57 2.65 -3.59	58.95 3.24 -13.61	47.24 2.64 -9.89	41.03 2.57 -4.18	38.67 2.46 -2.07	36.37 2.35 0.00	33.62 2.14 -0.54	31.18 1.85 0.00
LOVETT___5 23593	29.36 1.02 0.00	28.55 0.91 0.00	27.71 0.89 0.00	27.79 0.91 0.00	28.16 0.82 0.00	30.09 0.99 0.00	38.99 2.14 0.00	46.44 2.75 0.00	39.25 2.29 0.00	34.22 1.75 0.00	33.68 1.63 0.00	31.57 1.62 0.00	30.23 1.60 0.00	30.21 1.57 0.00	31.94 1.75 0.00	35.13 1.99 0.00	42.57 2.65 -3.59	58.95 3.24 -13.61	47.24 2.64 -9.89	41.03 2.57 -4.18	38.67 2.46 -2.07	36.37 2.35 0.00	33.62 2.14 -0.54	31.18 1.85 0.00
LOWER RAQUET___HYD 24057	28.48 0.14 0.00	27.84 0.19 0.00	27.01 0.19 0.00	27.09 0.21 0.00	27.56 0.22 0.00	28.95 -0.14 0.00	35.71 -1.14 0.00	42.28 -1.40 0.00	35.77 -1.18 0.00	31.76 -0.71 0.00	31.50 -0.54 0.00	29.54 -0.42 0.00	28.20 -0.43 0.00	28.14 -0.49 0.00	29.62 -0.57 0.00	32.32 -0.83 0.00	35.03 -1.31 0.00	40.55 -1.56 0.00	33.39 -1.32 0.00	33.05 -1.23 0.00	33.15 -0.99 0.00	33.37 -0.65 0.00	30.57 -0.37 0.00	29.01 -0.32 0.00
LOWER___HUDSON 24059	29.19 0.85 0.00	28.41 0.77 0.00	27.63 0.80 0.00	27.68 0.81 0.00	28.14 0.79 0.00	29.97 0.87 0.00	38.51 1.66 0.00	45.74 2.05 0.00	38.62 1.66 0.00	33.54 1.07 0.00	33.17 1.12 0.00	31.03 1.08 0.00	29.71 1.09 0.00	29.75 1.12 0.00	31.40 1.21 0.00	34.64 1.49 0.00	42.89 1.89 -4.67	61.99 2.19 -17.70	49.41 1.84 -12.85	41.46 1.75 -5.43	38.55 1.71 -2.70	35.72 1.70 0.00	33.20 1.55 -0.71	30.77 1.44 0.00
LOWVILLE_115KV_TB2 356335	28.53 0.20 0.00	27.89 0.25 0.00	27.04 0.21 0.00	27.09 0.21 0.00	27.56 0.22 0.00	29.36 0.26 0.00	37.40 0.55 0.00	44.34 0.66 0.00	37.33 0.37 0.00	32.37 -0.10 0.00	31.69 -0.35 0.00	29.33 -0.63 0.00	28.00 -0.63 0.00	27.97 -0.66 0.00	29.50 -0.69 0.00	32.48 -0.66 0.00	36.18 -0.29 -0.14	42.51 -0.13 -0.53	34.92 -0.17 -0.38	34.31 -0.14 -0.16	33.95 -0.27 -0.08	33.75 -0.27 0.00	30.56 -0.40 -0.02	28.93 -0.41 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	29.47 1.13 0.00	28.69 1.05 0.00	27.92 1.10 0.00	28.00 1.13 0.00	28.46 1.12 0.00	30.35 1.25 0.00	38.99 2.14 0.00	46.30 2.62 0.00	39.06 2.11 0.00	33.96 1.49 0.00	33.52 1.47 0.00	31.30 1.35 0.00	29.89 1.26 0.00	29.92 1.29 0.00	31.67 1.48 0.00	34.80 1.66 0.00	43.29 2.22 -4.75	62.68 2.57 -18.01	49.94 2.15 -13.08	41.82 2.02 -5.52	38.90 2.01 -2.75	35.93 1.91 0.00	33.40 1.73 -0.72	30.95 1.61 0.00
LUTHERNY_35_KV_BK2 355980	29.50 1.16 0.00	28.69 1.05 0.00	27.95 1.13 0.00	28.03 1.16 0.00	28.49 1.15 0.00	30.35 1.25 0.00	39.02 2.17 0.00	46.35 2.66 0.00	39.10 2.14 0.00	34.00 1.53 0.00	33.52 1.47 0.00	31.30 1.35 0.00	29.91 1.29 0.00	29.92 1.29 0.00	31.67 1.48 0.00	34.84 1.69 0.00	43.33 2.25 -4.75	62.72 2.61 -18.01	49.98 2.19 -13.08	41.86 2.06 -5.52	38.94 2.05 -2.75	35.96 1.94 0.00	33.43 1.76 -0.72	30.98 1.64 0.00
LWR___OSWEGATCHIE_HYD 23850	28.11 -0.23 0.00	27.50 -0.14 0.00	26.66 -0.16 0.00	26.71 -0.16 0.00	27.18 -0.16 0.00	28.75 -0.35 0.00	36.04 -0.81 0.00	42.77 -0.92 0.00	36.07 -0.89 0.00	31.66 -0.81 0.00	31.21 -0.83 0.00	29.06 -0.90 0.00	27.77 -0.86 0.00	27.72 -0.92 0.00	29.19 -1.00 0.00	31.98 -1.16 0.00	35.24 -1.20 -0.10	41.19 -1.31 -0.39	33.88 -1.11 -0.28	33.34 -1.06 -0.12	33.18 -1.02 -0.06	33.17 -0.85 0.00	30.15 -0.80 -0.02	28.63 -0.70 0.00



LYONS_FALL_HYD 23570	28.76 0.43 0.00	28.08 0.44 0.00	27.22 0.40 0.00	27.28 0.40 0.00	27.75 0.41 0.00	29.62 0.52 0.00	37.73 0.88 0.00	44.82 1.13 0.00	37.74 0.78 0.00	32.83 0.36 0.00	32.21 0.16 0.00	29.84 -0.12 0.00	28.51 -0.11 0.00	28.46 -0.17 0.00	30.01 -0.18 0.00	33.08 -0.07 0.00	36.79 0.33 -0.13	43.16 0.55 -0.51	35.46 0.38 -0.37	34.81 0.38 -0.16	34.49 0.27 -0.08	34.26 0.24 0.00	31.06 0.09 -0.02	29.37 0.03 0.00
MADISON___COUNTY_LFGE 323628	29.16 0.82 0.00	28.50 0.86 0.00	27.63 0.80 0.00	27.65 0.78 0.00	28.14 0.79 0.00	30.12 1.02 0.00	38.47 1.62 0.00	45.61 1.92 0.00	38.47 1.52 0.00	33.54 1.07 0.00	32.94 0.90 0.00	30.61 0.66 0.00	29.26 0.63 0.00	29.23 0.60 0.00	30.83 0.63 0.00	34.01 0.86 0.00	37.83 1.27 -0.23	44.52 1.56 -0.85	36.55 1.21 -0.62	35.71 1.17 -0.26	35.26 0.99 -0.13	34.97 0.95 0.00	31.69 0.71 -0.03	30.01 0.67 0.00
MALONE___115KV_TB1 356076	28.73 0.40 0.00	28.17 0.53 0.00	27.38 0.56 0.00	27.46 0.59 0.00	28.16 0.82 0.00	29.77 0.67 0.00	36.66 -0.18 0.00	43.42 -0.26 0.00	36.81 -0.15 0.00	32.83 0.36 0.00	32.46 0.42 0.00	30.20 0.24 0.00	28.74 0.11 0.00	28.72 0.09 0.00	30.10 -0.09 0.00	32.98 -0.17 0.00	35.75 -0.58 0.00	40.97 -1.14 -0.90	33.81 -0.90 0.00	33.29 -0.99 0.00	33.19 -0.96 0.00	33.07 -0.95 0.00	30.20 -0.74 0.00	28.60 -0.73 0.00
MAPLEWOD_115KV_TB3 80458	29.21 0.88 0.00	28.47 0.83 0.00	27.71 0.89 0.00	27.76 0.89 0.00	28.19 0.85 0.00	29.91 0.81 0.00	38.29 1.44 0.00	45.52 1.83 0.00	38.40 1.44 0.00	33.44 0.97 0.00	33.07 1.03 0.00	30.97 1.02 0.00	29.66 1.03 0.00	29.69 1.06 0.00	31.34 1.15 0.00	34.40 1.26 0.00	42.68 1.71 -4.64	61.69 1.98 -17.61	49.16 1.67 -12.79	41.26 1.58 -5.40	38.40 1.57 -2.69	35.48 1.46 0.00	33.07 1.42 -0.71	30.72 1.38 0.00
MAPLE_RIDGE_WT_1 323574	28.22 -0.11 0.00	27.56 -0.08 0.00	26.77 -0.05 0.00	26.84 -0.03 0.00	27.34 0.00 0.00	29.07 -0.03 0.00	36.55 -0.30 0.00	43.29 -0.39 0.00	36.62 -0.33 0.00	32.34 -0.13 0.00	31.92 -0.13 0.00	29.78 -0.18 0.00	28.40 -0.23 0.00	28.35 -0.29 0.00	29.80 -0.39 0.00	32.65 -0.50 0.00	35.57 -0.76 0.00	41.05 -1.05 0.00	33.78 -0.94 0.00	33.39 -0.89 0.00	33.25 -0.89 0.00	33.17 -0.85 0.00	30.23 -0.71 0.00	28.63 -0.70 0.00
MAPLE_RIDGE_WT_2 323611	28.22 -0.11 0.00	27.56 -0.08 0.00	26.77 -0.05 0.00	26.84 -0.03 0.00	27.34 0.00 0.00	29.07 -0.03 0.00	36.55 -0.30 0.00	43.29 -0.39 0.00	36.62 -0.33 0.00	32.34 -0.13 0.00	31.92 -0.13 0.00	29.78 -0.18 0.00	28.40 -0.23 0.00	28.35 -0.29 0.00	29.80 -0.39 0.00	32.65 -0.50 0.00	35.57 -0.76 0.00	41.05 -1.05 0.00	33.78 -0.94 0.00	33.39 -0.89 0.00	33.25 -0.89 0.00	33.17 -0.85 0.00	30.23 -0.71 0.00	28.63 -0.70 0.00
MARBLE_RIVER_WT_PWR 323696	28.36 0.03 0.00	27.81 0.17 0.00	27.06 0.24 0.00	27.22 0.35 0.00	27.89 0.55 0.00	29.42 0.32 0.00	36.19 -0.66 0.00	42.85 -0.83 0.00	36.29 -0.66 0.00	32.60 0.13 0.00	32.21 0.16 0.00	30.02 0.06 0.00	28.57 -0.06 0.00	28.52 -0.11 0.00	29.95 -0.24 0.00	32.78 -0.36 0.00	35.50 -0.83 0.00	40.42 -1.69 0.00	33.46 -1.25 0.00	32.87 -1.41 0.00	32.67 -1.47 0.00	32.49 -1.53 0.00	29.86 -1.08 0.00	28.22 -1.11 0.00
MARSHVLE_115KV_TB1 80742	29.81 1.47 0.00	29.08 1.44 0.00	28.30 1.48 0.00	28.35 1.48 0.00	28.90 1.56 0.00	30.93 1.83 0.00	39.94 3.10 0.00	47.31 3.63 0.00	39.88 2.92 0.00	34.65 2.18 0.00	34.03 1.99 0.00	31.60 1.65 0.00	30.14 1.52 0.00	30.18 1.55 0.00	31.94 1.75 0.00	35.33 2.19 0.00	44.53 2.76 -5.43	66.11 3.41 -20.60	52.49 2.81 -14.97	43.24 2.64 -6.32	39.84 2.56 -3.14	36.67 2.65 0.00	33.96 2.20 -0.82	31.30 1.97 0.00
MARSH_HILL_WT_PWR 323713	29.53 1.19 0.00	28.83 1.19 0.00	28.00 1.18 0.00	28.13 1.26 0.00	28.76 1.42 0.00	30.87 1.78 0.00	39.28 2.43 0.00	46.31 2.58 -0.05	39.29 2.33 0.00	34.25 1.78 0.00	33.45 1.41 0.00	30.89 0.93 0.00	29.34 0.72 0.00	29.32 0.69 0.00	30.89 0.69 0.00	33.61 0.46 0.00	37.79 0.62 -0.84	45.81 0.55 -3.16	37.41 0.38 -2.31	35.29 0.03 -0.98	34.89 -0.31 -1.06	35.40 -0.61 -1.99	30.90 -0.83 -0.80	28.90 -0.44 0.00
MCINTYRE_115KV_TB2 80467	29.13 0.79 0.00	28.47 0.83 0.00	27.63 0.80 0.00	27.65 0.78 0.00	28.19 0.85 0.00	29.80 0.70 0.00	36.85 0.00 0.00	43.60 -0.09 0.00	36.92 -0.04 0.00	32.83 0.36 0.00	32.43 0.38 0.00	30.35 0.39 0.00	29.00 0.37 0.00	28.95 0.31 0.00	30.43 0.24 0.00	33.24 0.10 0.00	36.19 -0.15 0.00	41.93 -0.17 0.00	34.50 -0.21 0.00	34.18 -0.10 0.00	34.21 0.07 0.00	34.29 0.27 0.00	31.16 0.22 0.00	29.72 0.38 0.00
MECO___69_KV_BK1 80468	31.06 2.72 0.00	30.27 2.63 0.00	29.53 2.71 0.00	29.59 2.71 0.00	30.19 2.84 0.00	32.24 3.14 0.00	41.79 4.94 0.00	49.32 5.64 0.00	41.43 4.47 0.00	35.88 3.41 0.00	35.25 3.20 0.00	32.68 2.73 0.00	31.09 2.46 0.00	31.12 2.49 0.00	33.09 2.90 0.00	36.82 3.68 0.00	46.35 4.80 -5.22	67.68 5.77 -19.81	53.86 4.76 -14.40	44.81 4.46 -6.08	41.70 4.54 -3.02	38.38 4.35 0.00	35.39 3.65 -0.79	32.62 3.29 0.00
MENANDS___115KV_TB5 355628	29.10 0.77 0.00	28.36 0.72 0.00	27.60 0.78 0.00	27.68 0.81 0.00	28.08 0.74 0.00	29.77 0.67 0.00	38.03 1.18 0.00	45.21 1.53 0.00	38.18 1.22 0.00	33.25 0.78 0.00	32.91 0.87 0.00	30.85 0.90 0.00	29.54 0.92 0.00	29.58 0.94 0.00	31.22 1.03 0.00	34.24 1.09 0.00	42.49 1.53 -4.63	61.40 1.73 -17.57	48.93 1.46 -12.76	41.07 1.41 -5.39	38.19 1.37 -2.68	35.31 1.29 0.00	32.95 1.30 -0.71	30.63 1.29 0.00
MG INDUSTRY___DRP 24185	29.24 0.91 0.00	28.47 0.83 0.00	27.71 0.89 0.00	27.79 0.91 0.00	28.22 0.87 0.00	29.88 0.79 0.00	38.14 1.29 0.00	45.26 1.57 0.00	38.25 1.29 0.00	33.31 0.84 0.00	32.94 0.90 0.00	30.85 0.90 0.00	29.51 0.89 0.00	29.55 0.92 0.00	31.19 1.00 0.00	34.24 1.09 0.00	42.36 1.49 -4.54	61.01 1.68 -17.22	48.64 1.42 -12.50	40.93 1.37 -5.28	38.14 1.37 -2.63	35.31 1.29 0.00	32.90 1.27 -0.69	30.60 1.26 0.00
MID___OSWEGATCHIE_HYD 23849	28.11 -0.23 0.00	27.50 -0.14 0.00	26.66 -0.16 0.00	26.71 -0.16 0.00	27.18 -0.16 0.00	28.75 -0.35 0.00	36.04 -0.81 0.00	42.77 -0.92 0.00	36.07 -0.89 0.00	31.66 -0.81 0.00	31.21 -0.83 0.00	29.06 -0.90 0.00	27.77 -0.86 0.00	27.72 -0.92 0.00	29.19 -1.00 0.00	31.98 -1.16 0.00	35.24 -1.20 -0.10	41.19 -1.31 -0.39	33.88 -1.11 -0.28	33.34 -1.06 -0.12	33.18 -1.02 -0.06	33.17 -0.85 0.00	30.15 -0.80 -0.02	28.63 -0.70 0.00
MID___RAQUETTE_HYD 23851	28.48 0.14 0.00	27.83 0.19 0.00	27.04 0.21 0.00	27.09 0.21 0.00	27.56 0.22 0.00	28.95 -0.15 0.00	35.67 -1.18 0.00	42.29 -1.40 0.00	35.78 -1.18 0.00	31.76 -0.71 0.00	31.50 -0.54 0.00	29.51 -0.45 0.00	28.20 -0.43 0.00	28.14 -0.49 0.00	29.62 -0.57 0.00	32.32 -0.83 0.00	35.02 -1.31 0.00	40.55 -1.56 0.00	33.39 -1.32 0.00	33.01 -1.27 0.00	33.15 -0.99 0.00	33.37 -0.65 0.00	30.45 -0.50 0.00	29.01 -0.32 0.00



MILLIKEN___1 23584	29.19 0.85 0.00	28.47 0.83 0.00	27.60 0.78 0.00	27.60 0.73 0.00	28.14 0.79 0.00	30.12 1.02 0.00	38.43 1.58 0.00	45.54 1.83 -0.03	38.47 1.52 0.00	33.48 1.01 0.00	32.88 0.83 0.00	30.55 0.60 0.00	29.14 0.52 0.00	29.15 0.52 0.00	30.70 0.51 0.00	33.91 0.76 0.00	38.11 1.02 -0.77	46.28 1.31 -2.88	37.93 1.11 -2.11	36.13 0.96 -0.89	35.62 0.75 -0.73	35.65 0.61 -1.02	31.73 0.34 -0.45	29.75 0.41 0.00
MILLIKEN___2 23585	29.19 0.85 0.00	28.47 0.83 0.00	27.60 0.78 0.00	27.60 0.73 0.00	28.14 0.79 0.00	30.12 1.02 0.00	38.43 1.58 0.00	45.54 1.83 -0.03	38.47 1.52 0.00	33.48 1.01 0.00	32.88 0.83 0.00	30.55 0.60 0.00	29.14 0.52 0.00	29.15 0.52 0.00	30.70 0.51 0.00	33.91 0.76 0.00	38.11 1.02 -0.77	46.28 1.31 -2.88	37.93 1.11 -2.11	36.13 0.96 -0.89	35.62 0.75 -0.73	35.65 0.61 -1.02	31.73 0.34 -0.45	29.75 0.41 0.00
MILLIKEN___DIESEL 23629	29.19 0.85 0.00	28.47 0.83 0.00	27.60 0.78 0.00	27.60 0.73 0.00	28.14 0.79 0.00	30.12 1.02 0.00	38.43 1.58 0.00	45.54 1.83 -0.03	38.47 1.52 0.00	33.48 1.01 0.00	32.88 0.83 0.00	30.55 0.60 0.00	29.14 0.52 0.00	29.15 0.52 0.00	30.70 0.51 0.00	33.91 0.76 0.00	38.11 1.02 -0.77	46.28 1.31 -2.88	37.93 1.11 -2.11	36.13 0.96 -0.89	35.62 0.75 -0.73	35.65 0.61 -1.02	31.73 0.34 -0.45	29.75 0.41 0.00
MILLSEAT___LFGE 323607	27.97 -0.37 0.00	27.25 -0.39 0.00	26.34 -0.48 0.00	26.47 -0.40 0.00	26.96 -0.38 0.00	28.69 -0.41 0.00	35.41 -1.44 0.00	42.57 -1.09 0.02	36.11 -0.85 0.00	31.37 -1.10 0.00	30.64 -1.41 0.00	28.37 -1.59 0.00	26.88 -1.75 0.00	27.03 -1.60 0.00	28.32 -1.87 0.00	30.62 -2.52 0.00	34.38 -2.36 -0.41	39.77 -3.87 -1.54	32.76 -2.99 -1.04	31.50 -3.22 -0.44	30.35 -3.55 0.24	28.45 -3.84 1.73	26.86 -3.59 0.49	26.34 -2.99 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	29.44 1.11 0.00	28.66 1.02 0.00	27.81 0.99 0.00	27.89 1.02 0.00	28.27 0.93 0.00	30.17 1.08 0.00	39.10 2.25 0.00	46.61 2.93 0.00	39.43 2.48 0.00	34.39 1.92 0.00	33.84 1.79 0.00	31.69 1.74 0.00	30.34 1.72 0.00	30.32 1.69 0.00	32.06 1.87 0.00	35.30 2.15 0.00	42.86 2.83 -3.70	59.57 3.45 -14.02	47.71 2.81 -10.19	41.32 2.74 -4.30	38.91 2.63 -2.14	36.50 2.48 0.00	33.76 2.26 -0.56	31.30 1.97 0.00
MILLWOOD_13_KV_LOAD 356217	29.53 1.19 0.00	28.75 1.11 0.00	27.89 1.07 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.23 1.13 0.00	39.21 2.36 0.00	46.74 3.06 0.00	39.55 2.59 0.00	34.45 1.98 0.00	33.90 1.86 0.00	31.75 1.80 0.00	30.37 1.75 0.00	30.35 1.72 0.00	32.09 1.90 0.00	35.37 2.22 0.00	42.97 2.94 -3.70	59.70 3.58 -14.02	47.81 2.92 -10.19	41.43 2.85 -4.30	39.01 2.73 -2.14	36.61 2.59 0.00	33.82 2.32 -0.56	31.36 2.02 0.00
MODEL_CITY_ENERGY 24167	27.20 -1.13 0.00	26.51 -1.13 0.00	25.61 -1.21 0.00	25.77 -1.10 0.00	26.25 -1.09 0.00	27.85 -1.25 0.00	34.16 -2.69 0.00	39.74 -3.93 0.02	34.08 -2.88 0.00	29.71 -2.76 0.00	29.03 -3.01 0.00	26.96 -3.00 0.00	25.62 -3.01 0.00	25.74 -2.89 0.00	26.96 -3.23 0.00	28.84 -4.31 0.00	31.99 -4.72 -0.38	38.21 -5.47 -1.58	31.52 -4.24 -1.05	30.30 -4.42 -0.45	29.13 -4.78 0.23	27.24 -5.03 1.75	25.88 -4.58 0.49	25.52 -3.81 0.00
MODERN_LFGE___ 323580	27.20 -1.13 0.00	26.51 -1.13 0.00	25.61 -1.21 0.00	25.77 -1.10 0.00	26.25 -1.09 0.00	27.85 -1.25 0.00	34.16 -2.69 0.00	39.74 -3.93 0.02	34.08 -2.88 0.00	29.71 -2.76 0.00	29.03 -3.01 0.00	26.96 -3.00 0.00	25.62 -3.01 0.00	25.74 -2.89 0.00	26.96 -3.23 0.00	28.84 -4.31 0.00	31.99 -4.72 -0.38	38.21 -5.47 -1.58	31.52 -4.24 -1.05	30.30 -4.42 -0.45	29.13 -4.78 0.23	27.24 -5.03 1.75	25.88 -4.58 0.49	25.52 -3.81 0.00
MOHAWK_PAPER___DRP 24187	29.21 0.88 0.00	28.47 0.83 0.00	27.71 0.89 0.00	27.76 0.89 0.00	28.19 0.85 0.00	29.91 0.81 0.00	38.29 1.44 0.00	45.52 1.83 0.00	38.40 1.44 0.00	33.44 0.97 0.00	33.07 1.03 0.00	30.97 1.02 0.00	29.66 1.03 0.00	29.69 1.06 0.00	31.34 1.15 0.00	34.40 1.26 0.00	42.68 1.71 -4.64	61.69 1.98 -17.61	49.16 1.67 -12.79	41.26 1.58 -5.40	38.40 1.57 -2.69	35.48 1.46 0.00	33.07 1.42 -0.71	30.72 1.38 0.00
MOHICAN__35_KV_115KV_LD 80490	29.33 0.99 0.00	28.53 0.88 0.00	27.81 0.99 0.00	27.89 1.02 0.00	28.38 1.04 0.00	30.26 1.16 0.00	39.02 2.17 0.00	46.39 2.71 0.00	39.10 2.14 0.00	33.93 1.46 0.00	33.49 1.44 0.00	31.21 1.26 0.00	29.74 1.12 0.00	29.78 1.15 0.00	31.58 1.39 0.00	34.64 1.49 0.00	43.19 2.11 -4.75	62.53 2.40 -18.02	49.81 2.01 -13.09	41.66 1.85 -5.53	38.77 1.88 -2.75	35.82 1.80 0.00	33.28 1.61 -0.72	30.86 1.53 0.00
MONGAUP___HYD 23641	29.19 0.85 0.00	28.55 0.91 0.00	27.68 0.86 0.00	27.68 0.81 0.00	28.16 0.82 0.00	30.09 0.99 0.00	38.32 1.48 0.00	45.21 1.53 0.00	38.25 1.29 0.00	33.64 1.17 0.00	33.07 1.03 0.00	31.06 1.11 0.00	29.69 1.06 0.00	29.66 1.03 0.00	31.43 1.24 0.00	34.57 1.42 0.00	41.39 1.67 -3.38	57.00 2.06 -12.83	45.84 1.80 -9.33	39.97 1.75 -3.94	37.74 1.64 -1.96	35.79 1.77 0.00	33.00 1.55 -0.51	30.74 1.41 0.00
MONTAUK___DIESEL 23721	40.61 3.85 -8.42	35.57 3.81 -4.11	34.97 3.81 -4.34	34.63 3.79 -3.97	36.08 3.77 -4.97	41.92 3.96 -8.86	49.40 6.37 -6.18	60.30 7.78 -8.84	51.89 6.43 -8.50	42.34 4.74 -5.13	44.15 4.68 -7.43	41.35 4.31 -7.09	39.50 4.21 -6.67	43.25 4.32 -10.30	45.35 4.65 -10.50	55.51 5.40 -16.97	69.23 6.58 -26.32	88.64 7.87 -38.66	72.27 6.46 -31.10	68.36 6.34 -27.74	66.61 6.15 -26.32	57.72 5.89 -17.82	53.73 5.17 -17.62	45.00 4.75 -10.91
MOONROAD_115KV_HARTFLD_TB1-2 355988	29.07 0.74 0.00	28.22 0.58 0.00	27.22 0.40 0.00	27.30 0.43 0.00	27.94 0.60 0.00	29.80 0.70 0.00	37.22 0.37 0.00	42.06 -1.62 0.01	36.63 -0.33 0.00	31.72 -0.75 0.00	31.24 -0.80 0.00	28.73 -1.23 0.00	27.22 -1.40 0.00	27.23 -1.40 0.00	28.41 -1.78 0.00	31.16 -1.99 0.00	33.28 -3.49 -0.43	39.79 -4.00 -1.68	32.53 -3.37 -1.18	31.25 -3.53 -0.50	30.15 -3.86 0.13	28.64 -3.98 1.40	26.66 -3.90 0.38	26.67 -2.67 0.00
MORTIMER_115KV_TB3 55949	27.94 -0.40 0.00	27.20 -0.44 0.00	26.28 -0.54 0.00	26.25 -0.62 0.00	26.85 -0.49 0.00	28.66 -0.44 0.00	36.00 -0.85 0.00	42.26 -1.40 0.02	35.96 -1.00 0.00	31.30 -1.17 0.00	30.86 -1.19 0.00	28.58 -1.38 0.00	27.22 -1.40 0.00	27.29 -1.35 0.00	28.62 -1.57 0.00	31.59 -1.56 0.00	34.80 -1.96 -0.43	41.52 -2.23 -1.65	34.19 -1.70 -1.18	32.93 -1.85 -0.50	31.80 -2.12 0.23	30.11 -2.25 1.66	28.29 -2.17 0.49	27.31 -2.02 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	29.55 1.22 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.28 2.43 0.00	46.92 3.23 0.00	39.73 2.77 0.00	34.65 2.18 0.00	34.06 2.02 0.00	31.93 1.98 0.00	30.54 1.92 0.00	30.55 1.92 0.00	32.30 2.11 0.00	35.56 2.42 0.00	43.18 3.12 -3.72	59.99 3.79 -14.10	48.01 3.05 -10.25	41.62 3.02 -4.33	39.16 2.87 -2.15	36.71 2.69 0.00	33.95 2.44 -0.56	31.48 2.14 0.00



MUNSVILLE_WIND_PWR 323609	31.11 2.78 0.00	30.52 2.87 0.00	29.58 2.76 0.00	29.69 2.82 0.00	30.27 2.93 0.00	32.53 3.43 0.00	42.05 5.20 0.00	49.90 6.20 -0.02	42.06 5.10 0.00	36.49 4.03 0.00	35.41 3.36 0.00	32.71 2.75 0.00	31.29 2.66 0.00	31.09 2.46 0.00	32.76 2.56 0.00	36.09 2.95 0.00	41.90 4.39 -1.17	51.88 5.35 -4.43	42.17 4.23 -3.23	39.72 4.08 -1.36	38.54 3.55 -0.84	37.85 3.23 -0.59	33.85 2.54 -0.37	31.80 2.46 0.00
N SALMON___HYD 24042	28.73 0.40 0.00	28.17 0.52 0.00	27.39 0.56 0.00	27.52 0.64 0.00	28.16 0.82 0.00	29.77 0.67 0.00	36.70 -0.15 0.00	43.42 -0.26 0.00	36.81 -0.15 0.00	32.83 0.36 0.00	32.46 0.42 0.00	30.19 0.24 0.00	28.74 0.11 0.00	28.69 0.06 0.00	30.10 -0.09 0.00	32.98 -0.16 0.00	35.75 -0.58 0.00	40.97 -1.13 0.00	33.81 -0.90 0.00	33.32 -0.96 0.00	33.19 -0.96 0.00	33.07 -0.95 0.00	30.26 -0.68 0.00	28.60 -0.73 0.00
N.AKRON___115KV_KNAPP 355671	28.08 -0.26 0.00	27.28 -0.36 0.00	26.31 -0.51 0.00	26.31 -0.56 0.00	26.93 -0.41 0.00	28.75 -0.35 0.00	35.78 -1.07 0.00	41.61 -2.05 0.02	35.63 -1.33 0.00	30.88 -1.59 0.00	30.44 -1.60 0.00	28.01 -1.95 0.00	26.68 -1.95 0.00	26.77 -1.86 0.00	27.96 -2.23 0.00	30.92 -2.22 0.00	33.66 -3.05 -0.38	39.73 -3.92 -1.54	32.74 -3.02 -1.04	31.54 -3.19 -0.44	30.35 -3.55 0.24	28.62 -3.67 1.72	26.91 -3.53 0.51	26.43 -2.90 0.00
N.BELMOR_69_KV_BK1 55787	37.44 1.93 -7.18	33.01 1.85 -3.51	32.32 1.80 -3.70	32.08 1.83 -3.38	33.32 1.75 -4.23	38.60 1.95 -7.55	45.39 3.28 -5.26	55.33 4.11 -7.54	47.72 3.51 -7.25	39.64 2.79 -4.37	41.04 2.66 -6.33	38.57 2.58 -6.04	36.86 2.55 -5.68	39.93 2.52 -8.78	41.89 2.75 -8.95	50.72 3.12 -14.46	63.09 3.78 -22.98	93.02 4.46 -46.46	76.08 3.64 -37.72	73.08 3.63 -35.17	60.38 3.48 -22.75	52.58 3.37 -15.19	49.15 3.09 -15.11	41.42 2.79 -9.30
N.E_GEN_SANDY PD 24062	29.27 0.93 0.00	28.47 0.83 0.00	27.65 0.83 0.00	27.68 0.81 0.00	28.14 0.79 0.00	30.00 0.90 0.00	38.69 1.84 0.00	46.96 2.36 -0.92	39.94 1.92 -1.06	32.64 1.23 1.06	33.32 1.35 0.08	31.38 1.35 -0.08	30.00 1.37 0.00	30.03 1.40 0.00	31.70 1.51 0.00	35.00 1.86 0.00	48.00 2.36 -9.31	61.95 2.78 -17.07	49.56 2.29 -12.56	41.39 2.23 -4.88	38.76 2.19 -2.43	36.20 2.18 0.00	34.23 1.95 -1.34	31.10 1.76 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	29.38 1.05 0.00	28.61 0.97 0.00	27.76 0.94 0.00	27.81 0.94 0.00	28.22 0.87 0.00	30.12 1.02 0.00	39.02 2.17 0.00	46.48 2.80 0.00	39.29 2.33 0.00	34.26 1.79 0.00	33.71 1.67 0.00	31.60 1.65 0.00	30.23 1.60 0.00	30.23 1.60 0.00	31.97 1.78 0.00	35.17 2.02 0.00	42.60 2.69 -3.58	59.01 3.33 -13.58	47.29 2.71 -9.87	41.09 2.64 -4.17	38.74 2.53 -2.07	36.40 2.38 0.00	33.65 2.17 -0.54	31.24 1.91 0.00
N.QUEENS_27_KV_LOAD 356247	29.47 1.13 0.00	28.69 1.05 0.00	27.81 0.99 0.00	27.87 0.99 0.00	28.19 0.85 0.00	29.97 0.87 0.00	38.99 2.14 0.00	46.52 2.84 0.00	39.47 2.51 0.00	34.48 2.01 0.00	33.90 1.86 0.00	31.75 1.80 0.00	30.40 1.77 0.00	30.38 1.75 0.00	32.15 1.96 0.00	35.43 2.29 0.00	42.99 2.94 -3.72	59.82 3.62 -14.10	47.87 2.92 -10.25	41.45 2.85 -4.33	38.92 2.63 -2.15	36.47 2.45 0.00	33.86 2.35 -0.56	31.42 2.08 0.00
N.TROY___115KV_TB1 355778	29.21 0.88 0.00	28.44 0.80 0.00	27.63 0.80 0.00	27.70 0.83 0.00	28.16 0.82 0.00	29.97 0.87 0.00	38.47 1.62 0.00	45.78 2.10 0.00	38.62 1.66 0.00	33.54 1.07 0.00	33.13 1.09 0.00	31.03 1.08 0.00	29.69 1.06 0.00	29.72 1.09 0.00	31.40 1.21 0.00	34.54 1.39 0.00	42.92 1.93 -4.67	62.00 2.19 -17.71	49.41 1.84 -12.86	41.46 1.75 -5.43	38.59 1.74 -2.70	35.65 1.63 0.00	33.20 1.55 -0.71	30.77 1.44 0.00
NARROWS_GT1_1 24228	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
NARROWS_GT1_2 24229	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
NARROWS_GT1_3 24230	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
NARROWS_GT1_4 24231	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
NARROWS_GT1_5 24232	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
NARROWS_GT1_6 24233	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
NARROWS_GT1_7 24234	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00



NARROWS_GT1_8 24235	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
NARROWS_GT2_1 24236	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
NARROWS_GT2_2 24237	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
NARROWS_GT2_3 24238	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
NARROWS_GT2_4 24239	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
NARROWS_GT2_5 24240	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
NARROWS_GT2_6 24241	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
NARROWS_GT2_7 24242	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
NARROWS_GT2_8 24243	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	29.95 1.62 0.00	29.16 1.52 0.00	28.40 1.58 0.00	28.48 1.61 0.00	28.96 1.61 0.00	30.61 1.51 0.00	39.10 2.25 0.00	46.00 2.32 0.00	38.77 1.81 0.00	33.70 1.23 0.00	33.23 1.19 0.00	31.06 1.11 0.00	29.66 1.03 0.00	29.72 1.09 0.00	31.49 1.30 0.00	34.57 1.43 0.00	42.75 2.03 -4.38	61.09 2.36 -16.63	48.90 2.12 -12.07	41.37 1.99 -5.10	38.63 1.95 -2.54	35.79 1.77 0.00	33.34 1.73 -0.67	31.18 1.85 0.00
NCHELSEA_115KV_TR2 355582	29.67 1.33 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.08 1.21 0.00	28.46 1.12 0.00	30.41 1.31 0.00	39.35 2.51 0.00	46.70 3.01 0.00	39.51 2.55 0.00	34.39 1.92 0.00	33.81 1.76 0.00	31.63 1.68 0.00	30.26 1.63 0.00	30.23 1.60 0.00	32.03 1.84 0.00	35.27 2.12 0.00	42.98 2.91 -3.74	59.79 3.49 -14.19	47.97 2.95 -10.31	41.51 2.88 -4.35	39.04 2.73 -2.16	36.57 2.55 0.00	33.83 2.32 -0.57	31.42 2.08 0.00
NEG CAPITAL___MECHNVIL 23645	29.55 1.22 0.00	28.75 1.11 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.54 1.20 0.00	30.41 1.31 0.00	39.13 2.29 0.00	46.48 2.80 0.00	39.21 2.25 0.00	34.06 1.59 0.00	33.65 1.60 0.00	31.39 1.44 0.00	30.00 1.37 0.00	30.03 1.40 0.00	31.76 1.57 0.00	35.03 1.89 0.00	43.45 2.40 -4.72	62.79 2.78 -17.91	50.04 2.33 -13.01	41.97 2.20 -5.49	39.06 2.19 -2.73	36.13 2.11 0.00	33.52 1.86 -0.72	31.07 1.73 0.00
NEG CENTRAL_HIGH_ACRES 23767	27.43 -0.91 0.00	26.78 -0.86 0.00	25.91 -0.91 0.00	25.96 -0.91 0.00	26.44 -0.90 0.00	28.22 -0.87 0.00	35.45 -1.40 0.00	42.08 -1.57 0.03	35.59 -1.37 0.00	31.07 -1.40 0.00	30.48 -1.57 0.00	28.31 -1.65 0.00	26.94 -1.69 0.00	27.03 -1.60 0.00	28.41 -1.78 0.00	31.12 -2.02 0.00	34.80 -1.96 -0.43	41.52 -2.27 -1.69	34.17 -1.73 -1.20	32.87 -1.92 -0.51	31.65 -2.15 0.34	29.60 -2.35 2.08	28.06 -2.26 0.62	27.17 -2.17 0.00
NEG CENTRAL___DRP 24199	28.87 0.54 0.00	28.17 0.53 0.00	27.25 0.43 0.00	27.25 0.38 0.00	27.83 0.49 0.00	29.82 0.73 0.00	37.88 1.03 0.00	44.91 1.09 -0.13	37.84 0.89 0.00	33.09 0.62 0.00	32.49 0.45 0.00	30.11 0.15 0.00	28.71 0.09 0.00	28.72 0.09 0.00	30.25 0.06 0.00	33.38 0.23 0.00	37.11 0.29 -0.49	44.29 0.34 -1.85	36.51 0.45 -1.34	35.12 0.27 -0.57	36.42 0.03 -2.25	40.57 -0.20 -6.75	32.93 -0.37 -2.36	29.04 -0.29 0.00
NEG CENTRAL___INDECK 23768	29.58 1.25 0.00	28.83 1.19 0.00	27.92 1.10 0.00	27.95 1.08 0.00	28.52 1.17 0.00	30.58 1.48 0.00	38.65 1.81 0.00	45.71 2.01 -0.02	38.77 1.81 0.00	33.70 1.23 0.00	32.81 0.77 0.00	30.37 0.42 0.00	28.80 0.17 0.00	28.86 0.23 0.00	30.37 0.18 0.00	33.21 0.07 0.00	37.46 0.44 -0.70	45.37 0.63 -2.63	37.18 0.55 -1.91	35.30 0.21 -0.81	34.59 -0.10 -0.55	34.08 -0.44 -0.50	30.51 -0.71 -0.28	28.81 -0.53 0.00



NEG CENTRAL___SENECA 23627	28.99 0.65 0.00	28.25 0.61 0.00	27.36 0.54 0.00	27.36 0.48 0.00	27.94 0.60 0.00	29.97 0.87 0.00	38.06 1.22 0.00	45.03 1.14 -0.21	37.96 1.00 0.00	33.22 0.75 0.00	32.59 0.54 0.00	30.20 0.24 0.00	28.74 0.11 0.00	28.77 0.14 0.00	30.31 0.12 0.00	33.44 0.30 0.00	37.13 0.25 -0.54	44.40 0.25 -2.05	36.65 0.45 -1.49	35.15 0.24 -0.63	37.59 -0.03 -3.48	44.62 -0.31 -10.90	34.25 -0.46 -3.77	28.98 -0.35 0.00
NEG CENTRAL___STATE_STREET 24147	28.85 0.51 0.00	28.14 0.50 0.00	27.25 0.43 0.00	27.25 0.38 0.00	27.81 0.46 0.00	29.77 0.67 0.00	37.92 1.07 0.00	44.99 1.27 -0.04	37.96 1.00 0.00	33.12 0.65 0.00	32.56 0.51 0.00	30.23 0.27 0.00	28.83 0.20 0.00	28.86 0.23 0.00	30.37 0.18 0.00	33.51 0.36 0.00	37.32 0.51 -0.48	44.59 0.67 -1.81	36.69 0.66 -1.32	35.35 0.51 -0.56	35.24 0.27 -0.82	36.04 0.14 -1.88	31.56 -0.09 -0.71	29.28 -0.06 0.00
NEG MILLWOOD___DRP 24198	29.84 1.50 0.00	29.05 1.41 0.00	28.16 1.34 0.00	28.27 1.40 0.00	28.57 1.23 0.00	30.55 1.45 0.00	39.58 2.73 0.00	47.09 3.41 0.00	39.88 2.92 0.00	34.68 2.21 0.00	34.00 1.95 0.00	31.81 1.86 0.00	30.40 1.77 0.00	30.35 1.72 0.00	32.15 1.96 0.00	35.47 2.32 0.00	43.26 3.16 -3.77	60.26 3.87 -14.29	48.32 3.23 -10.38	41.78 3.12 -4.38	39.32 3.00 -2.18	36.88 2.86 0.00	34.05 2.54 -0.57	31.57 2.23 0.00
NEG NORTH_FLCN_SEA 23793	28.70 0.37 0.00	28.17 0.53 0.00	27.41 0.59 0.00	27.54 0.67 0.00	28.27 0.93 0.00	29.65 0.55 0.00	36.22 -0.63 0.00	42.90 -0.79 0.00	36.33 -0.63 0.00	32.83 0.36 0.00	32.46 0.42 0.00	30.23 0.27 0.00	28.74 0.11 0.00	28.72 0.09 0.00	30.10 -0.09 0.00	33.01 -0.13 0.00	35.75 -0.58 0.00	40.42 -1.68 0.00	33.71 -1.01 0.00	33.08 -1.20 0.00	32.88 -1.26 0.00	32.66 -1.36 0.00	30.11 -0.84 0.00	28.52 -0.82 0.00
NEG NORTH_KES_CHATEGAY 23792	28.45 0.11 0.00	27.89 0.25 0.00	27.14 0.32 0.00	27.25 0.38 0.00	27.94 0.60 0.00	29.53 0.44 0.00	36.33 -0.52 0.00	43.03 -0.66 0.00	36.40 -0.55 0.00	32.63 0.16 0.00	32.27 0.22 0.00	30.05 0.09 0.00	28.60 -0.03 0.00	28.57 -0.06 0.00	29.98 -0.21 0.00	32.85 -0.30 0.00	35.57 -0.76 0.00	40.59 -1.52 0.00	33.57 -1.15 0.00	33.01 -1.27 0.00	32.81 -1.33 0.00	32.66 -1.36 0.00	29.89 -1.05 0.00	28.31 -1.03 0.00
NEG NORTH___ALICE_FALLS 23915	28.85 0.51 0.00	28.30 0.66 0.00	27.55 0.72 0.00	27.65 0.78 0.00	28.41 1.07 0.00	29.94 0.84 0.00	36.74 -0.11 0.00	43.51 -0.17 0.00	36.81 -0.15 0.00	33.09 0.62 0.00	32.69 0.64 0.00	30.44 0.48 0.00	28.91 0.29 0.00	28.89 0.26 0.00	30.28 0.09 0.00	33.24 0.10 0.00	36.04 -0.29 0.00	41.01 -1.09 0.00	34.02 -0.69 0.00	33.42 -0.86 0.00	33.19 -0.96 0.00	32.97 -1.05 0.00	30.23 -0.71 0.00	28.57 -0.76 0.00
NEG NORTH___LWR_SARANAC 23913	28.85 0.51 0.00	28.30 0.66 0.00	27.55 0.72 0.00	27.65 0.78 0.00	28.41 1.07 0.00	29.94 0.84 0.00	36.74 -0.11 0.00	43.51 -0.17 0.00	36.81 -0.15 0.00	33.09 0.62 0.00	32.69 0.64 0.00	30.44 0.48 0.00	28.91 0.29 0.00	28.89 0.26 0.00	30.28 0.09 0.00	33.24 0.10 0.00	36.04 -0.29 0.00	41.01 -1.09 0.00	34.02 -0.69 0.00	33.42 -0.86 0.00	33.19 -0.96 0.00	32.97 -1.05 0.00	30.23 -0.71 0.00	28.57 -0.76 0.00
NEG NORTH___PLATTSBURG 23628	28.85 0.51 0.00	28.30 0.66 0.00	27.55 0.72 0.00	27.71 0.83 0.00	28.41 1.07 0.00	29.94 0.84 0.00	36.77 -0.07 0.00	43.51 -0.17 0.00	36.85 -0.11 0.00	33.08 0.62 0.00	32.69 0.64 0.00	30.43 0.48 0.00	28.94 0.32 0.00	28.89 0.26 0.00	30.28 0.09 0.00	33.21 0.07 0.00	36.04 -0.29 0.00	41.01 -1.09 0.00	34.02 -0.69 0.00	33.46 -0.82 0.00	33.22 -0.92 0.00	32.97 -1.05 0.00	30.29 -0.65 0.00	28.57 -0.76 0.00
NEG WEST_LEA_LOCKPORT 23791	27.57 -0.77 0.00	26.81 -0.83 0.00	25.83 -0.99 0.00	25.85 -1.02 0.00	26.47 -0.87 0.00	28.19 -0.90 0.00	34.93 -1.92 0.00	39.91 -3.76 0.02	34.56 -2.40 0.00	30.03 -2.44 0.00	29.61 -2.44 0.00	27.32 -2.64 0.00	26.05 -2.58 0.00	26.11 -2.52 0.00	27.26 -2.93 0.00	30.06 -3.08 0.00	32.25 -4.43 -0.35	38.41 -5.14 -1.44	31.67 -3.99 -0.95	30.57 -4.11 -0.41	29.42 -4.47 0.25	27.71 -4.56 1.75	26.18 -4.27 0.49	25.82 -3.52 0.00
NEG WEST___LANCASTR 23811	28.82 0.48 0.00	27.97 0.33 0.00	26.98 0.16 0.00	27.06 0.19 0.00	27.70 0.36 0.00	29.53 0.44 0.00	36.96 0.11 0.00	40.44 -3.23 0.01	36.29 -0.67 0.00	31.50 -0.97 0.00	31.05 -0.99 0.00	28.76 -1.20 0.00	27.34 -1.29 0.00	27.40 -1.23 0.00	28.65 -1.54 0.00	31.49 -1.66 0.00	32.99 -3.78 -0.44	39.52 -4.29 -1.71	32.23 -3.68 -1.20	31.16 -3.63 -0.51	30.06 -3.96 0.12	28.67 -3.98 1.37	26.61 -3.96 0.37	27.43 -1.91 0.00
NEG_PENN_ALLEGHNY 23528	28.85 0.51 0.00	28.11 0.47 0.00	27.25 0.43 0.00	27.30 0.43 0.00	27.81 0.46 0.00	29.68 0.58 0.00	37.77 0.92 0.00	44.57 0.87 -0.02	37.84 0.89 0.00	33.02 0.55 0.00	32.46 0.42 0.00	30.26 0.30 0.00	28.85 0.23 0.00	28.89 0.26 0.00	30.46 0.27 0.00	33.28 0.13 0.00	37.85 0.29 -1.23	47.11 0.38 -4.62	38.36 0.28 -3.38	35.91 0.21 -1.43	34.97 0.03 -0.80	34.26 -0.10 -0.34	31.02 -0.22 -0.29	29.37 0.03 0.00
NEG___GEN_MONROE 24207	28.34 0.00 0.00	27.59 -0.06 0.00	26.63 -0.19 0.00	26.58 -0.30 0.00	27.15 -0.19 0.00	28.98 -0.12 0.00	36.19 -0.66 0.00	42.39 -1.27 0.02	36.14 -0.81 0.00	31.40 -1.07 0.00	30.89 -1.15 0.00	28.49 -1.47 0.00	27.17 -1.46 0.00	27.20 -1.43 0.00	28.56 -1.63 0.00	31.52 -1.62 0.00	34.65 -2.11 -0.42	41.17 -2.57 -1.64	33.97 -1.91 -1.17	32.75 -2.02 -0.49	31.59 -2.32 0.23	29.86 -2.48 1.67	28.04 -2.41 0.49	27.28 -2.05 0.00
NEPA___ENERGY 23901	28.39 0.06 0.00	27.59 -0.06 0.00	26.61 -0.21 0.00	26.66 -0.21 0.00	27.29 -0.05 0.00	29.10 0.00 0.00	36.41 -0.44 0.00	41.23 -2.45 0.01	35.89 -1.07 0.00	31.17 -1.30 0.00	30.70 -1.35 0.00	28.46 -1.50 0.00	27.08 -1.55 0.00	27.11 -1.52 0.00	28.35 -1.84 0.00	31.09 -2.05 0.00	33.63 -3.16 -0.46	40.26 -3.58 -1.74	33.01 -2.95 -1.24	31.76 -3.05 -0.53	30.65 -3.38 0.11	29.27 -3.44 1.32	27.27 -3.31 0.36	27.05 -2.29 0.00
NEVERSINK___HYD 23608	29.67 1.33 0.00	28.86 1.21 0.00	27.95 1.13 0.00	27.95 1.08 0.00	28.44 1.09 0.00	30.41 1.31 0.00	39.32 2.47 0.00	46.39 2.71 0.00	39.29 2.33 0.00	34.25 1.78 0.00	33.61 1.57 0.00	31.42 1.47 0.00	30.00 1.37 0.00	29.98 1.35 0.00	30.85 0.66 0.00	34.14 0.99 0.00	41.23 1.53 -3.37	56.82 1.94 -12.78	45.67 1.67 -9.29	39.85 1.65 -3.92	37.59 1.50 -1.95	35.35 1.33 0.00	33.53 2.07 -0.51	31.19 1.85 0.00
NEWKRMKL_115KV_TB1 55635	29.04 0.71 0.00	28.30 0.66 0.00	27.57 0.75 0.00	27.62 0.75 0.00	28.05 0.71 0.00	29.62 0.52 0.00	37.84 0.99 0.00	44.99 1.31 0.00	37.99 1.03 0.00	33.09 0.62 0.00	32.78 0.74 0.00	30.76 0.81 0.00	29.46 0.83 0.00	29.49 0.86 0.00	31.10 0.91 0.00	34.07 0.93 0.00	42.27 1.31 -4.63	61.20 1.52 -17.58	48.73 1.25 -12.77	40.87 1.20 -5.39	38.02 1.19 -2.68	35.11 1.09 0.00	32.79 1.14 -0.71	30.51 1.17 0.00



NEWTON___FALLS_HYD 23847	28.11 -0.23 0.00	27.50 -0.14 0.00	26.66 -0.16 0.00	26.71 -0.16 0.00	27.18 -0.16 0.00	28.75 -0.35 0.00	36.04 -0.81 0.00	42.77 -0.92 0.00	36.07 -0.89 0.00	31.66 -0.81 0.00	31.21 -0.83 0.00	29.06 -0.90 0.00	27.77 -0.86 0.00	27.72 -0.92 0.00	29.19 -1.00 0.00	31.98 -1.16 0.00	35.24 -1.20 -0.10	41.19 -1.31 -0.39	33.88 -1.11 -0.28	33.34 -1.06 -0.12	33.18 -1.02 -0.06	33.17 -0.85 0.00	30.15 -0.80 -0.02	28.63 -0.70 0.00
NGRID_A1_DSASP 323792	26.75 -1.59 0.00	26.12 -1.52 0.00	25.21 -1.61 0.00	25.37 -1.50 0.00	25.84 -1.50 0.00	27.38 -1.72 0.00	33.53 -3.32 0.00	39.12 -4.54 0.02	33.48 -3.48 0.00	29.22 -3.25 0.00	28.58 -3.46 0.00	26.54 -3.42 0.00	25.25 -3.38 0.00	25.37 -3.26 0.00	26.57 -3.62 0.00	28.44 -4.71 0.00	31.57 -5.12 -0.36	37.50 -6.11 -1.51	31.00 -4.69 -0.98	29.83 -4.87 -0.42	28.67 -5.22 0.25	26.74 -5.48 1.81	25.55 -4.89 0.50	25.14 -4.20 0.00
NGRID_A2_DSASP 323793	26.75 -1.59 0.00	26.12 -1.52 0.00	25.21 -1.61 0.00	25.37 -1.50 0.00	25.84 -1.50 0.00	27.38 -1.72 0.00	33.53 -3.32 0.00	39.12 -4.54 0.02	33.48 -3.48 0.00	29.22 -3.25 0.00	28.58 -3.46 0.00	26.54 -3.42 0.00	25.25 -3.38 0.00	25.37 -3.26 0.00	26.57 -3.62 0.00	28.44 -4.71 0.00	31.57 -5.12 -0.36	37.50 -6.11 -1.51	31.00 -4.69 -0.98	29.83 -4.87 -0.42	28.67 -5.22 0.25	26.74 -5.48 1.81	25.55 -4.89 0.50	25.14 -4.20 0.00
NGRID_A4_DSASP 323807	26.75 -1.59 0.00	26.12 -1.52 0.00	25.21 -1.61 0.00	25.37 -1.50 0.00	25.84 -1.50 0.00	27.38 -1.72 0.00	33.53 -3.32 0.00	39.12 -4.54 0.02	33.48 -3.48 0.00	29.22 -3.25 0.00	28.58 -3.46 0.00	26.54 -3.42 0.00	25.25 -3.38 0.00	25.37 -3.26 0.00	26.57 -3.62 0.00	28.44 -4.71 0.00	31.57 -5.12 -0.36	37.50 -6.11 -1.51	31.00 -4.69 -0.98	29.83 -4.87 -0.42	28.67 -5.22 0.25	26.74 -5.48 1.81	25.55 -4.89 0.50	25.14 -4.20 0.00
NIAGARA_115E_LBMP 323715	27.03 -1.30 0.00	26.37 -1.27 0.00	25.48 -1.34 0.00	25.64 -1.24 0.00	26.11 -1.23 0.00	27.70 -1.40 0.00	33.94 -2.91 0.00	39.47 -4.19 0.02	33.85 -3.10 0.00	29.55 -2.92 0.00	28.87 -3.17 0.00	26.81 -3.14 0.00	25.51 -3.12 0.00	25.60 -3.04 0.00	26.81 -3.38 0.00	28.67 -4.48 0.00	31.81 -4.91 -0.38	37.95 -5.73 -1.57	31.31 -4.44 -1.04	30.13 -4.59 -0.44	28.92 -4.99 0.23	27.07 -5.20 1.75	25.72 -4.73 0.49	25.41 -3.93 0.00
NIAGARA_115W_LBMP 323714	26.69 -1.64 0.00	26.04 -1.60 0.00	25.13 -1.69 0.00	25.31 -1.56 0.00	25.76 -1.59 0.00	27.32 -1.78 0.00	33.46 -3.39 0.00	39.04 -4.63 0.02	33.41 -3.55 0.00	29.16 -3.31 0.00	28.49 -3.56 0.00	26.48 -3.47 0.00	25.19 -3.44 0.00	25.31 -3.32 0.00	26.48 -3.71 0.00	28.37 -4.77 0.00	31.49 -5.20 -0.36	37.41 -6.19 -1.50	30.93 -4.75 -0.97	29.76 -4.94 -0.41	28.60 -5.29 0.25	26.66 -5.54 1.81	25.52 -4.92 0.50	25.08 -4.25 0.00
NIAGARA_230_LBMP 323716	27.12 -1.22 0.00	26.45 -1.19 0.00	25.53 -1.29 0.00	25.72 -1.15 0.00	26.17 -1.17 0.00	27.76 -1.34 0.00	34.05 -2.80 0.00	39.69 -3.97 0.02	34.00 -2.96 0.00	29.68 -2.79 0.00	29.00 -3.05 0.00	26.99 -2.97 0.00	25.68 -2.95 0.00	25.77 -2.86 0.00	26.99 -3.20 0.00	28.90 -4.24 0.00	32.05 -4.61 -0.33	38.16 -5.39 -1.45	31.48 -4.13 -0.90	30.35 -4.32 -0.39	29.19 -4.68 0.27	27.24 -4.90 1.89	26.00 -4.43 0.52	25.61 -3.73 0.00
NIAGARA___115KV_198_GIBSON 55903	26.81 -1.53 0.00	26.07 -1.58 0.00	25.10 -1.72 0.00	25.15 -1.72 0.00	25.73 -1.61 0.00	27.35 -1.75 0.00	33.86 -2.98 0.00	38.86 -4.81 0.02	33.56 -3.40 0.00	29.19 -3.28 0.00	28.81 -3.24 0.00	26.60 -3.36 0.00	25.39 -3.23 0.00	25.45 -3.18 0.00	26.57 -3.62 0.00	29.30 -3.84 0.00	31.46 -5.20 -0.32	37.28 -6.19 -1.36	30.79 -4.79 -0.87	29.78 -4.87 -0.37	28.68 -5.19 0.28	26.86 -5.34 1.82	25.61 -4.83 0.51	25.17 -4.17 0.00
NIAGARA____ 23760	27.12 -1.22 0.00	26.45 -1.19 0.00	25.53 -1.29 0.00	25.72 -1.15 0.00	26.17 -1.17 0.00	27.76 -1.34 0.00	34.05 -2.80 0.00	39.69 -3.97 0.02	34.00 -2.96 0.00	29.68 -2.79 0.00	29.00 -3.05 0.00	26.99 -2.97 0.00	25.68 -2.95 0.00	25.77 -2.86 0.00	26.99 -3.20 0.00	28.90 -4.24 0.00	32.07 -4.61 -0.35	38.20 -5.39 -1.49	31.53 -4.13 -0.95	30.37 -4.32 -0.41	29.21 -4.68 0.26	27.29 -4.90 1.84	26.01 -4.43 0.51	25.61 -3.73 0.00
NINE_MILE_1 23575	27.34 -0.99 0.00	26.70 -0.94 0.00	25.88 -0.94 0.00	25.93 -0.94 0.00	26.38 -0.96 0.00	28.08 -1.02 0.00	35.60 -1.25 0.00	42.28 -1.40 0.00	35.74 -1.22 0.00	31.30 -1.17 0.00	30.83 -1.22 0.00	28.79 -1.17 0.00	27.48 -1.15 0.00	27.51 -1.12 0.00	28.98 -1.21 0.00	31.82 -1.33 0.00	35.22 -1.34 -0.23	41.45 -1.51 -0.86	34.09 -1.25 -0.63	33.28 -1.27 -0.26	32.91 -1.37 -0.13	32.59 -1.43 0.00	29.68 -1.30 -0.03	28.11 -1.23 0.00
NINE_MILE_2 23744	27.34 -0.99 0.00	26.70 -0.94 0.00	25.88 -0.94 0.00	25.93 -0.94 0.00	26.38 -0.96 0.00	28.08 -1.02 0.00	35.60 -1.25 0.00	42.28 -1.40 0.00	35.74 -1.22 0.00	31.30 -1.17 0.00	30.83 -1.22 0.00	28.79 -1.17 0.00	27.48 -1.15 0.00	27.51 -1.12 0.00	28.98 -1.21 0.00	31.82 -1.33 0.00	35.22 -1.34 -0.23	41.45 -1.51 -0.86	34.09 -1.25 -0.63	33.28 -1.27 -0.26	32.91 -1.37 -0.13	32.59 -1.43 0.00	29.68 -1.30 -0.03	28.11 -1.23 0.00
NM_CAPITAL___DRP 24208	29.07 0.74 0.00	28.30 0.66 0.00	27.57 0.75 0.00	27.62 0.75 0.00	28.05 0.71 0.00	29.68 0.58 0.00	37.95 1.11 0.00	45.08 1.40 0.00	38.07 1.11 0.00	33.15 0.68 0.00	32.85 0.80 0.00	30.79 0.84 0.00	29.48 0.86 0.00	29.52 0.89 0.00	31.16 0.97 0.00	34.14 0.99 0.00	42.37 1.42 -4.62	61.28 1.64 -17.53	48.80 1.35 -12.73	40.96 1.30 -5.38	38.08 1.26 -2.68	35.21 1.19 0.00	32.85 1.21 -0.70	30.57 1.23 0.00
NM_CENTRAL___DRP 24181	28.02 -0.31 0.00	27.37 -0.28 0.00	26.53 -0.30 0.00	26.52 -0.35 0.00	27.04 -0.30 0.00	28.81 -0.29 0.00	36.59 -0.26 0.00	43.43 -0.26 -0.01	36.70 -0.26 0.00	32.08 -0.39 0.00	31.60 -0.45 0.00	29.48 -0.48 0.00	28.17 -0.46 0.00	28.17 -0.46 0.00	29.71 -0.48 0.00	32.61 -0.53 0.00	36.19 -0.47 -0.33	42.87 -0.51 -1.27	35.25 -0.38 -0.92	34.19 -0.48 -0.39	33.80 -0.61 -0.27	33.67 -0.61 -0.26	30.46 -0.62 -0.14	28.75 -0.59 0.00
NM_FRONTIER___DRP 24179	26.81 -1.53 0.00	26.07 -1.58 0.00	25.10 -1.72 0.00	25.15 -1.72 0.00	25.73 -1.61 0.00	27.35 -1.75 0.00	33.86 -2.98 0.00	38.86 -4.81 0.02	33.56 -3.40 0.00	29.19 -3.28 0.00	28.81 -3.24 0.00	26.60 -3.36 0.00	25.39 -3.23 0.00	25.45 -3.18 0.00	26.57 -3.62 0.00	29.30 -3.84 0.00	31.46 -5.20 -0.32	37.28 -6.19 -1.36	30.79 -4.79 -0.87	29.78 -4.87 -0.37	28.68 -5.19 0.28	26.86 -5.34 1.82	25.61 -4.83 0.51	25.17 -4.17 0.00
NM_ST_REGIS___HYD 24053	28.51 0.17 0.00	27.89 0.25 0.00	27.09 0.27 0.00	27.14 0.27 0.00	27.70 0.36 0.00	29.13 0.03 0.00	35.89 -0.96 0.00	42.50 -1.18 0.00	36.00 -0.96 0.00	32.02 -0.45 0.00	31.72 -0.32 0.00	29.72 -0.24 0.00	28.37 -0.26 0.00	28.32 -0.31 0.00	29.77 -0.42 0.00	32.52 -0.63 0.00	35.24 -1.09 0.00	40.67 -1.43 0.00	33.50 -1.21 0.00	33.08 -1.20 0.00	33.15 -0.99 0.00	33.31 -0.71 0.00	30.39 -0.56 0.00	28.90 -0.44 0.00



NORTHPORT___1 23551	39.24 2.44 -8.47	34.07 2.29 -4.14	33.39 2.20 -4.37	33.04 2.18 -3.99	34.53 2.19 -5.00	40.37 2.36 -8.92	47.01 3.94 -6.21	57.25 4.68 -8.90	49.57 4.07 -8.55	40.88 3.25 -5.16	42.75 3.24 -7.47	40.20 3.12 -7.13	38.37 3.03 -6.71	41.97 2.98 -10.36	44.05 3.29 -10.57	53.95 3.74 -17.07	67.00 4.21 -26.45	85.32 4.88 -38.34	69.53 3.99 -30.83	65.68 3.97 -27.43	64.50 3.89 -26.46	55.79 3.84 -17.92	52.22 3.56 -17.72	43.57 3.26 -10.97
NORTHPORT___2 23552	39.24 2.44 -8.47	34.07 2.29 -4.14	33.39 2.20 -4.37	33.04 2.18 -3.99	34.53 2.19 -5.00	40.37 2.36 -8.92	47.01 3.94 -6.21	57.25 4.68 -8.90	49.57 4.07 -8.55	40.88 3.25 -5.16	42.75 3.24 -7.47	40.20 3.12 -7.13	38.37 3.03 -6.71	41.97 2.98 -10.36	44.05 3.29 -10.57	53.95 3.74 -17.07	67.00 4.21 -26.45	85.32 4.88 -38.34	69.53 3.99 -30.83	65.68 3.97 -27.43	64.50 3.89 -26.46	55.79 3.84 -17.92	52.22 3.56 -17.72	43.57 3.26 -10.97
NORTHPORT___3 23553	38.73 1.93 -8.47	33.55 1.77 -4.14	32.91 1.72 -4.37	32.56 1.69 -3.99	34.01 1.67 -5.00	39.93 1.92 -8.92	46.48 3.43 -6.20	56.41 3.85 -8.89	48.83 3.33 -8.55	40.32 2.69 -5.16	42.18 2.66 -7.47	39.63 2.54 -7.13	37.85 2.52 -6.71	41.48 2.49 -10.36	43.53 2.78 -10.57	53.36 3.15 -17.06	66.19 3.41 -26.44	84.43 4.00 -38.33	68.83 3.30 -30.82	64.86 3.15 -27.42	63.61 3.01 -26.46	55.07 3.13 -17.92	51.73 3.06 -17.72	43.07 2.76 -10.97
NORTHPORT___4 23650	38.73 1.93 -8.47	33.55 1.77 -4.14	32.91 1.72 -4.37	32.56 1.69 -3.99	34.01 1.67 -5.00	39.93 1.92 -8.92	46.48 3.43 -6.20	56.41 3.85 -8.89	48.83 3.33 -8.55	40.32 2.69 -5.16	42.18 2.66 -7.47	39.63 2.54 -7.13	37.85 2.52 -6.71	41.48 2.49 -10.36	43.53 2.78 -10.57	53.36 3.15 -17.06	66.19 3.41 -26.44	84.43 4.00 -38.33	68.83 3.30 -30.82	64.86 3.15 -27.42	63.61 3.01 -26.46	55.07 3.13 -17.92	51.73 3.06 -17.72	43.07 2.76 -10.97
NORTHPORT___IC 23718	39.24 2.44 -8.47	34.07 2.29 -4.14	33.39 2.20 -4.37	33.04 2.18 -3.99	34.53 2.19 -5.00	40.37 2.36 -8.92	47.01 3.94 -6.21	57.25 4.68 -8.90	49.57 4.07 -8.55	40.88 3.25 -5.16	42.75 3.24 -7.47	40.20 3.12 -7.13	38.37 3.03 -6.71	41.97 2.98 -10.36	44.05 3.29 -10.57	53.95 3.74 -17.07	67.00 4.21 -26.45	85.32 4.88 -38.34	69.53 3.99 -30.83	65.68 3.97 -27.43	64.50 3.89 -26.46	55.79 3.84 -17.92	52.22 3.56 -17.72	43.57 3.26 -10.97
NORTH___COUNTRY_ESR 323785	28.34 0.00 0.00	27.78 0.14 0.00	27.03 0.21 0.00	27.20 0.32 0.00	27.86 0.52 0.00	29.42 0.32 0.00	36.22 -0.63 0.00	42.85 -0.83 0.00	36.29 -0.66 0.00	32.57 0.10 0.00	32.21 0.16 0.00	29.99 0.03 0.00	28.54 -0.09 0.00	28.52 -0.11 0.00	29.92 -0.27 0.00	32.75 -0.40 0.00	35.46 -0.87 0.00	40.42 -1.69 0.00	33.43 -1.28 0.00	32.87 -1.41 0.00	32.67 -1.47 0.00	32.52 -1.50 0.00	29.86 -1.08 0.00	28.22 -1.11 0.00
NPX_GEN_1385_PROXY 323591	39.15 2.35 -8.47	34.07 2.29 -4.14	33.39 2.20 -4.37	33.04 2.18 -3.99	34.53 2.19 -5.00	40.37 2.36 -8.92	47.01 3.94 -6.21	57.60 5.02 -8.90	49.57 4.07 -8.55	40.88 3.25 -5.16	43.00 3.56 -7.40	40.60 3.44 -7.20	38.68 3.35 -6.71	42.17 3.18 -10.36	44.47 3.71 -10.57	54.12 3.91 -17.07	67.18 4.39 -26.45	85.16 4.71 -38.34	69.36 3.82 -30.83	65.34 3.63 -27.43	64.02 3.41 -26.46	55.59 3.64 -17.92	52.07 3.40 -17.72	43.89 3.58 -10.97
NPX_GEN_CSC 323557	39.96 3.20 -8.42	34.77 3.01 -4.12	34.06 2.90 -4.34	33.69 2.85 -3.97	35.18 2.87 -4.97	41.13 3.17 -8.87	48.11 5.09 -6.18	58.64 6.12 -8.85	50.44 4.99 -8.50	41.46 3.86 -5.13	43.15 3.75 -7.36	40.68 3.56 -7.16	38.90 3.61 -6.67	42.48 3.55 -10.30	44.50 3.80 -10.51	54.39 4.28 -16.97	67.67 5.02 -26.32	86.77 6.02 -38.64	70.77 4.96 -31.09	66.87 4.87 -27.73	65.28 4.82 -26.32	56.64 4.80 -17.82	52.87 4.30 -17.63	44.09 3.84 -10.91
NSINS_S_GLNS_FALLS 23858	29.30 0.96 0.00	28.47 0.83 0.00	27.76 0.94 0.00	27.87 0.99 0.00	28.33 0.98 0.00	30.23 1.13 0.00	38.99 2.14 0.00	46.35 2.66 0.00	39.03 2.07 0.00	33.90 1.43 0.00	33.42 1.38 0.00	31.15 1.20 0.00	29.69 1.06 0.00	29.72 1.09 0.00	31.55 1.36 0.00	34.57 1.43 0.00	43.12 2.03 -4.75	62.45 2.32 -18.04	49.75 1.94 -13.10	41.56 1.75 -5.53	38.67 1.78 -2.75	35.76 1.74 0.00	33.18 1.52 -0.72	30.80 1.47 0.00
NUCOR_STEEL___DRP 24197	28.87 0.54 0.00	28.17 0.53 0.00	27.28 0.46 0.00	27.27 0.40 0.00	27.83 0.49 0.00	29.77 0.67 0.00	37.84 0.99 0.00	44.88 1.18 -0.02	37.92 0.96 0.00	33.05 0.58 0.00	32.49 0.45 0.00	30.17 0.21 0.00	28.77 0.14 0.00	28.80 0.17 0.00	30.34 0.15 0.00	33.48 0.33 0.00	37.30 0.51 -0.46	44.51 0.67 -1.74	36.60 0.62 -1.26	35.29 0.48 -0.53	34.94 0.27 -0.52	35.04 0.14 -0.88	31.25 -0.06 -0.37	29.31 -0.03 0.00
NUMBER_THREE_WT_PWR 323818	28.48 0.14 0.00	27.84 0.19 0.00	26.98 0.16 0.00	27.03 0.16 0.00	27.51 0.17 0.00	29.33 0.23 0.00	37.29 0.44 0.00	44.25 0.57 0.00	37.25 0.29 0.00	32.31 -0.16 0.00	31.63 -0.42 0.00	29.24 -0.72 0.00	27.94 -0.69 0.00	27.89 -0.74 0.00	29.41 -0.79 0.00	32.42 -0.73 0.00	36.07 -0.40 -0.14	42.39 -0.25 -0.53	34.86 -0.24 -0.39	34.21 -0.24 -0.16	33.88 -0.34 -0.08	33.65 -0.37 0.00	30.53 -0.43 -0.02	28.84 -0.50 0.00
NYISO_LBMP_REFERENCE 24008	28.34 0.00 0.00	27.64 0.00 0.00	26.82 0.00 0.00	26.87 0.00 0.00	27.34 0.00 0.00	29.10 0.00 0.00	36.85 0.00 0.00	43.68 0.00 0.00	36.96 0.00 0.00	32.47 0.00 0.00	32.04 0.00 0.00	29.96 0.00 0.00	28.63 0.00 0.00	28.63 0.00 0.00	30.19 0.00 0.00	33.15 0.00 0.00	36.33 0.00 0.00	42.10 0.00 0.00	34.71 0.00 0.00	34.28 0.00 0.00	34.14 0.00 0.00	34.02 0.00 0.00	30.94 0.00 0.00	29.34 0.00 0.00
NYPA_BRENTWD___GT 24164	39.51 2.81 -8.37	34.36 2.63 -4.09	33.66 2.52 -4.32	33.32 2.50 -3.95	34.77 2.49 -4.94	40.64 2.73 -8.81	47.48 4.49 -6.14	57.80 5.33 -8.79	50.03 4.62 -8.45	41.24 3.67 -5.10	43.02 3.59 -7.39	40.44 3.44 -7.04	38.60 3.35 -6.63	42.19 3.32 -10.24	44.26 3.62 -10.44	54.16 4.14 -16.87	67.17 4.65 -26.19	86.53 5.47 -38.95	70.54 4.48 -31.35	66.72 4.42 -28.01	64.73 4.41 -26.18	56.09 4.36 -17.72	52.43 3.96 -17.53	43.79 3.61 -10.85
NYPA_GOWANUS___GT5 24156	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00
NYPA_GOWANUS___GT6 24157	29.84 1.50 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	47.00 3.32 0.00	39.92 2.96 0.00	34.84 2.37 0.00	34.29 2.24 0.00	32.08 2.13 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.89 2.75 0.00	43.39 3.34 -3.72	60.36 4.17 -14.09	48.32 3.37 -10.24	41.93 3.32 -4.32	39.33 3.04 -2.15	36.95 2.93 0.00	34.17 2.66 -0.56	31.68 2.35 0.00



NYPA_HARLEM__RVR__GT1 24160	29.63 1.30 0.01	28.75 1.11 0.00	27.86 1.04 0.01	27.88 1.02 0.01	28.24 0.90 0.01	30.02 0.93 0.01	39.05 2.21 0.01	46.47 2.80 0.01	39.50 2.55 0.01	34.44 1.98 0.01	33.96 1.92 0.01	31.78 1.83 0.01	30.42 1.80 0.01	30.40 1.78 0.01	32.21 2.02 0.01	35.56 2.42 0.01	42.95 2.91 -3.71	59.76 3.58 -14.08	47.82 2.88 -10.23	41.44 2.84 -4.32	38.91 2.63 -2.14	36.53 2.52 0.01	33.85 2.35 -0.56	31.44 2.11 0.01
NYPA_HARLEM__RVR__GT2 24161	29.63 1.30 0.01	28.75 1.11 0.00	27.86 1.04 0.01	27.88 1.02 0.01	28.24 0.90 0.01	30.02 0.93 0.01	39.05 2.21 0.01	46.47 2.80 0.01	39.50 2.55 0.01	34.44 1.98 0.01	33.96 1.92 0.01	31.78 1.83 0.01	30.42 1.80 0.01	30.40 1.78 0.01	32.21 2.02 0.01	35.56 2.42 0.01	42.95 2.91 -3.71	59.76 3.58 -14.08	47.82 2.88 -10.23	41.44 2.84 -4.32	38.91 2.63 -2.14	36.53 2.52 0.01	33.85 2.35 -0.56	31.44 2.11 0.01
NYPA_KENT____GT 24152	29.81 1.47 0.00	28.91 1.27 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	46.96 3.28 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.25 2.21 0.00	32.05 2.10 0.00	30.69 2.06 0.00	30.66 2.03 0.00	32.48 2.29 0.00	35.86 2.72 0.00	43.35 3.31 -3.72	60.24 4.04 -14.09	48.25 3.30 -10.24	41.86 3.26 -4.32	39.30 3.01 -2.15	36.88 2.86 0.00	34.13 2.63 -0.56	31.65 2.32 0.00
NYPA_POUCH1____GT 24155	29.86 1.53 0.00	28.94 1.30 0.00	28.06 1.23 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.26 1.17 0.00	39.46 2.62 0.00	46.96 3.28 0.00	39.84 2.88 0.00	34.78 2.31 0.00	34.19 2.15 0.00	32.02 2.07 0.00	30.63 2.00 0.00	30.61 1.97 0.00	32.43 2.23 0.00	35.83 2.68 0.00	43.35 3.31 -3.72	60.32 4.13 -14.09	48.28 3.33 -10.24	41.89 3.29 -4.32	39.30 3.01 -2.15	36.91 2.89 0.00	34.13 2.63 -0.56	31.65 2.32 0.00
NYPA_VERNON____GT2 24162	29.78 1.44 0.00	28.89 1.25 0.00	28.03 1.21 0.00	28.03 1.15 0.00	28.41 1.07 0.00	30.26 1.17 0.00	39.43 2.58 0.00	46.92 3.23 0.00	39.88 2.92 0.00	34.78 2.31 0.00	34.23 2.18 0.00	32.05 2.10 0.00	30.69 2.06 0.00	30.64 2.00 0.00	32.46 2.27 0.00	35.83 2.68 0.00	43.28 3.23 -3.72	60.15 3.96 -14.09	48.14 3.19 -10.24	41.76 3.15 -4.32	39.23 2.94 -2.15	36.84 2.82 0.00	34.11 2.60 -0.56	31.63 2.29 0.00
NYPA_VERNON____GT3 24163	29.78 1.44 0.00	28.89 1.25 0.00	28.03 1.21 0.00	28.03 1.15 0.00	28.41 1.07 0.00	30.26 1.17 0.00	39.43 2.58 0.00	46.92 3.23 0.00	39.88 2.92 0.00	34.78 2.31 0.00	34.23 2.18 0.00	32.05 2.10 0.00	30.69 2.06 0.00	30.64 2.00 0.00	32.46 2.27 0.00	35.83 2.68 0.00	43.28 3.23 -3.72	60.15 3.96 -14.09	48.14 3.19 -10.24	41.76 3.15 -4.32	39.23 2.94 -2.15	36.84 2.82 0.00	34.11 2.60 -0.56	31.63 2.29 0.00
NYPA__ASTORIA_CC1 323568	29.75 1.42 0.00	28.86 1.21 0.00	28.00 1.18 0.00	28.00 1.13 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.36 2.51 0.00	46.83 3.15 0.00	39.80 2.85 0.00	34.71 2.24 0.00	34.19 2.15 0.00	31.99 2.04 0.00	30.66 2.03 0.00	30.61 1.97 0.00	32.43 2.23 0.00	35.80 2.65 0.00	43.25 3.20 -3.72	60.11 3.92 -14.09	48.11 3.16 -10.24	41.72 3.12 -4.32	39.19 2.90 -2.15	36.81 2.79 0.00	34.07 2.57 -0.56	31.60 2.26 0.00
NYPA__ASTORIA_CC2 323569	29.75 1.42 0.00	28.86 1.21 0.00	28.00 1.18 0.00	28.00 1.13 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.36 2.51 0.00	46.83 3.15 0.00	39.80 2.85 0.00	34.71 2.24 0.00	34.19 2.15 0.00	31.99 2.04 0.00	30.66 2.03 0.00	30.61 1.97 0.00	32.43 2.23 0.00	35.80 2.65 0.00	43.25 3.20 -3.72	60.11 3.92 -14.09	48.11 3.16 -10.24	41.72 3.12 -4.32	39.19 2.90 -2.15	36.81 2.79 0.00	34.07 2.57 -0.56	31.60 2.26 0.00
NYPA__HOLTSVILL 23794	39.51 2.75 -8.42	34.33 2.57 -4.12	33.66 2.49 -4.35	33.29 2.45 -3.97	34.75 2.43 -4.97	40.64 2.68 -8.87	47.49 4.46 -6.18	57.82 5.28 -8.85	49.97 4.51 -8.50	41.14 3.54 -5.13	42.94 3.46 -7.43	40.34 3.30 -7.09	38.56 3.26 -6.67	42.14 3.21 -10.31	44.20 3.50 -10.51	54.13 4.01 -16.98	67.32 4.65 -26.34	86.15 5.43 -38.62	70.26 4.48 -31.07	66.40 4.42 -27.70	64.82 4.34 -26.34	56.14 4.29 -17.83	52.48 3.90 -17.64	43.77 3.52 -10.92
NYPA__HELLGATE_GT1 24158	29.57 1.25 0.01	28.69 1.05 0.00	27.83 1.02 0.01	27.83 0.97 0.01	28.21 0.87 0.01	29.96 0.87 0.01	39.01 2.17 0.01	46.38 2.71 0.01	39.43 2.48 0.01	34.38 1.92 0.01	33.89 1.86 0.01	31.75 1.80 0.01	30.39 1.78 0.01	30.34 1.72 0.01	32.14 1.96 0.01	35.52 2.39 0.01	42.91 2.87 -3.71	59.72 3.54 -14.08	47.79 2.85 -10.23	41.41 2.81 -4.32	38.88 2.59 -2.14	36.50 2.48 0.01	33.79 2.29 -0.56	31.38 2.05 0.01
NYPA__HELLGATE_GT2 24159	29.57 1.25 0.01	28.69 1.05 0.00	27.83 1.02 0.01	27.83 0.97 0.01	28.21 0.87 0.01	29.96 0.87 0.01	39.01 2.17 0.01	46.38 2.71 0.01	39.43 2.48 0.01	34.38 1.92 0.01	33.89 1.86 0.01	31.75 1.80 0.01	30.39 1.78 0.01	30.34 1.72 0.01	32.14 1.96 0.01	35.52 2.39 0.01	42.91 2.87 -3.71	59.72 3.54 -14.08	47.79 2.85 -10.23	41.41 2.81 -4.32	38.88 2.59 -2.14	36.50 2.48 0.01	33.79 2.29 -0.56	31.38 2.05 0.01
NYS_BARGE__HYD 23848	27.49 -0.85 0.00	26.78 -0.86 0.00	25.88 -0.94 0.00	26.04 -0.83 0.00	26.52 -0.82 0.00	28.16 -0.93 0.00	34.56 -2.28 0.00	40.17 -3.50 0.02	34.48 -2.48 0.00	30.03 -2.44 0.00	29.35 -2.69 0.00	27.23 -2.73 0.00	25.88 -2.75 0.00	26.00 -2.63 0.00	27.20 -2.99 0.00	29.10 -4.04 0.00	32.32 -4.40 -0.39	38.64 -5.05 -1.59	31.85 -3.92 -1.06	30.62 -4.11 -0.45	29.44 -4.47 0.23	27.55 -4.73 1.74	26.12 -4.33 0.49	25.76 -3.58 0.00
OAK_ORCHARD__HYD 24046	27.88 -0.45 0.00	27.20 -0.44 0.00	26.28 -0.54 0.00	26.36 -0.51 0.00	26.85 -0.49 0.00	28.63 -0.47 0.00	35.74 -1.10 0.00	42.35 -1.31 0.02	35.89 -1.07 0.00	31.30 -1.17 0.00	30.67 -1.38 0.00	28.52 -1.44 0.00	27.11 -1.52 0.00	27.20 -1.43 0.00	28.56 -1.63 0.00	31.19 -1.96 0.00	34.85 -1.93 -0.45	41.58 -2.23 -1.71	34.27 -1.67 -1.23	32.91 -1.89 -0.52	31.81 -2.12 0.22	30.01 -2.35 1.66	28.23 -2.23 0.49	27.22 -2.11 0.00
OAKDALE__35_KV_LOAD 356122	28.68 0.34 0.00	27.97 0.33 0.00	27.09 0.27 0.00	27.14 0.27 0.00	27.64 0.30 0.00	29.50 0.41 0.00	37.62 0.77 0.00	44.27 0.57 -0.02	37.62 0.67 0.00	32.83 0.36 0.00	32.30 0.26 0.00	30.11 0.15 0.00	28.74 0.11 0.00	28.75 0.11 0.00	30.28 0.09 0.00	33.31 0.17 0.00	37.64 0.07 -1.23	46.88 0.13 -4.65	38.21 0.10 -3.40	35.75 0.03 -1.43	34.81 -0.14 -0.81	34.17 -0.20 -0.35	30.93 -0.31 -0.30	29.22 -0.12 0.00
OCC_CHEM__DRP 24175	26.86 -1.47 0.00	26.15 -1.49 0.00	25.19 -1.64 0.00	25.21 -1.67 0.00	25.81 -1.53 0.00	27.44 -1.66 0.00	33.94 -2.91 0.00	38.95 -4.72 0.02	33.63 -3.33 0.00	29.26 -3.21 0.00	28.87 -3.17 0.00	26.66 -3.30 0.00	25.45 -3.18 0.00	25.51 -3.12 0.00	26.63 -3.56 0.00	29.37 -3.78 0.00	31.53 -5.12 -0.32	37.37 -6.10 -1.37	30.87 -4.72 -0.88	29.86 -4.80 -0.37	28.75 -5.12 0.27	26.94 -5.27 1.81	25.67 -4.77 0.50	25.23 -4.11 0.00



OH_GEN_PROXY 24063	27.15 -1.19 0.00	26.48 -1.16 0.00	25.59 -1.23 0.00	25.74 -1.13 0.00	26.19 -1.15 0.00	27.82 -1.28 0.00	34.16 -2.69 0.00	39.68 -3.84 0.16	34.26 -2.85 -0.15	29.81 -2.66 0.00	29.05 -2.92 0.08	27.15 -2.88 -0.08	25.76 -2.86 0.00	25.88 -2.75 0.00	27.11 -3.08 0.00	29.03 -4.11 0.00	32.41 -4.43 -0.51	38.33 -5.22 -1.45	32.13 -3.99 -1.41	30.73 -4.15 -0.60	29.33 -4.54 0.27	27.96 -4.76 1.30	26.13 -4.30 0.51	25.70 -3.64 0.00
OLIN_CORP_DRP 24177	27.20 -1.13 0.00	26.45 -1.19 0.00	25.48 -1.34 0.00	25.53 -1.34 0.00	26.11 -1.23 0.00	27.79 -1.31 0.00	34.42 -2.43 0.00	39.39 -4.28 0.02	34.08 -2.88 0.00	29.64 -2.82 0.00	29.23 -2.82 0.00	26.99 -2.97 0.00	25.76 -2.86 0.00	25.80 -2.83 0.00	26.96 -3.23 0.00	29.70 -3.45 0.00	31.85 -4.83 -0.35	37.89 -5.64 -1.43	31.28 -4.37 -0.94	30.22 -4.46 -0.40	29.04 -4.85 0.25	27.35 -4.93 1.74	25.91 -4.55 0.49	25.55 -3.78 0.00
OLIN_CORP_DSASP 323712	26.75 -1.59 0.00	26.12 -1.52 0.00	25.21 -1.61 0.00	25.37 -1.50 0.00	25.84 -1.50 0.00	27.38 -1.72 0.00	33.53 -3.32 0.00	39.12 -4.54 0.02	33.48 -3.48 0.00	29.22 -3.25 0.00	28.58 -3.46 0.00	26.54 -3.42 0.00	25.25 -3.38 0.00	25.37 -3.26 0.00	26.57 -3.62 0.00	28.44 -4.71 0.00	31.57 -5.12 -0.36	37.50 -6.11 -1.51	31.00 -4.69 -0.98	29.83 -4.87 -0.42	28.67 -5.22 0.25	26.74 -5.48 1.81	25.55 -4.89 0.50	25.14 -4.20 0.00
ONEIDA_HERK_LFGE 323681	28.90 0.57 0.00	28.22 0.58 0.00	27.36 0.54 0.00	27.41 0.54 0.00	27.89 0.55 0.00	29.77 0.67 0.00	37.99 1.14 0.00	45.08 1.40 0.00	37.99 1.03 0.00	33.08 0.62 0.00	32.46 0.42 0.00	30.17 0.21 0.00	28.83 0.20 0.00	28.78 0.14 0.00	30.34 0.15 0.00	33.41 0.26 0.00	37.15 0.69 -0.13	43.50 0.93 -0.48	35.79 0.73 -0.35	35.15 0.72 -0.15	34.79 0.58 -0.07	34.56 0.54 0.00	31.33 0.37 -0.02	29.63 0.29 0.00
ONEIDA___115KV_TB4 55905	29.16 0.82 0.00	28.50 0.86 0.00	27.63 0.80 0.00	27.65 0.78 0.00	28.14 0.79 0.00	30.12 1.02 0.00	38.47 1.62 0.00	45.61 1.92 0.00	38.47 1.52 0.00	33.54 1.07 0.00	32.94 0.90 0.00	30.61 0.66 0.00	29.26 0.63 0.00	29.23 0.60 0.00	30.83 0.63 0.00	34.01 0.86 0.00	37.83 1.27 -0.23	44.52 1.56 -0.85	36.55 1.21 -0.62	35.71 1.17 -0.26	35.26 0.99 -0.13	34.97 0.95 0.00	31.69 0.71 -0.03	30.01 0.67 0.00
ONONDAGA_REF_OCCRA 23987	28.25 -0.09 0.00	27.56 -0.08 0.00	26.71 -0.11 0.00	26.74 -0.13 0.00	27.23 -0.11 0.00	29.07 -0.03 0.00	36.96 0.11 0.00	43.87 0.17 -0.01	37.07 0.11 0.00	32.40 -0.06 0.00	31.88 -0.16 0.00	29.72 -0.24 0.00	28.40 -0.23 0.00	28.40 -0.23 0.00	29.95 -0.24 0.00	32.91 -0.23 0.00	36.60 -0.15 -0.42	43.55 -0.13 -1.58	35.79 -0.07 -1.15	34.63 -0.14 -0.48	34.19 -0.31 -0.36	34.09 -0.34 -0.41	30.74 -0.40 -0.20	28.96 -0.38 0.00
ONONDAGA___COGEN 23986	28.51 0.17 0.00	27.83 0.19 0.00	26.96 0.13 0.00	26.95 0.08 0.00	27.48 0.14 0.00	29.36 0.26 0.00	37.33 0.48 0.00	44.31 0.61 -0.02	37.40 0.44 0.00	32.70 0.23 0.00	32.17 0.13 0.00	29.93 -0.03 0.00	28.57 -0.06 0.00	28.60 -0.03 0.00	30.13 -0.06 0.00	33.18 0.03 0.00	36.86 0.15 -0.38	43.81 0.25 -1.46	36.01 0.24 -1.06	34.86 0.14 -0.45	34.55 -0.03 -0.44	34.68 -0.10 -0.76	31.04 -0.22 -0.32	29.10 -0.23 0.00
ONTARIO___LFGE 23819	28.96 0.62 0.00	28.28 0.64 0.00	27.36 0.54 0.00	27.41 0.54 0.00	27.97 0.63 0.00	29.97 0.87 0.00	37.95 1.10 0.00	45.07 1.18 -0.21	37.92 0.96 0.00	33.22 0.75 0.00	32.49 0.45 0.00	30.14 0.18 0.00	28.71 0.09 0.00	28.75 0.11 0.00	30.28 0.09 0.00	33.15 0.00 0.00	37.13 0.26 -0.54	44.42 0.25 -2.06	36.63 0.42 -1.50	35.15 0.24 -0.63	37.59 -0.03 -3.48	44.52 -0.41 -10.90	34.22 -0.50 -3.77	28.95 -0.38 0.00
ORANGEVILLE_WT_PWR 323706	27.74 -0.60 0.00	27.03 -0.61 0.00	26.10 -0.72 0.00	26.28 -0.59 0.00	26.77 -0.58 0.00	28.43 -0.67 0.00	34.93 -1.92 0.00	40.39 -3.28 0.01	34.78 -2.18 0.00	30.26 -2.21 0.00	29.55 -2.50 0.00	27.26 -2.70 0.00	25.88 -2.75 0.00	25.97 -2.66 0.00	27.17 -3.02 0.00	28.90 -4.24 0.00	32.04 -4.69 -0.39	38.20 -5.51 -1.61	31.38 -4.41 -1.07	30.15 -4.59 -0.46	28.98 -4.95 0.21	27.12 -5.20 1.69	25.68 -4.80 0.47	25.46 -3.87 0.00
ORANGEVILLE___ESR 323794	27.74 -0.60 0.00	27.03 -0.61 0.00	26.10 -0.72 0.00	26.28 -0.59 0.00	26.77 -0.58 0.00	28.43 -0.67 0.00	34.93 -1.92 0.00	40.39 -3.28 0.01	34.78 -2.18 0.00	30.26 -2.21 0.00	29.55 -2.50 0.00	27.26 -2.70 0.00	25.88 -2.75 0.00	25.97 -2.66 0.00	27.17 -3.02 0.00	28.90 -4.24 0.00	32.04 -4.69 -0.39	38.20 -5.51 -1.61	31.38 -4.41 -1.07	30.15 -4.59 -0.46	28.98 -4.95 0.21	27.12 -5.20 1.69	25.68 -4.80 0.47	25.46 -3.87 0.00
OSWEGATCHIE___HYD 24044	28.11 -0.23 0.00	27.50 -0.14 0.00	26.66 -0.16 0.00	26.74 -0.13 0.00	27.18 -0.16 0.00	28.75 -0.35 0.00	36.04 -0.81 0.00	42.76 -0.92 0.00	36.07 -0.89 0.00	31.66 -0.81 0.00	31.21 -0.83 0.00	29.06 -0.90 0.00	27.77 -0.86 0.00	27.71 -0.92 0.00	29.20 -1.00 0.00	31.98 -1.16 0.00	35.24 -1.20 -0.10	41.19 -1.31 -0.39	33.88 -1.11 -0.28	33.34 -1.06 -0.12	33.18 -1.02 -0.06	33.17 -0.85 0.00	30.25 -0.71 -0.02	28.63 -0.70 0.00
OSWEGO___5 23606	27.63 -0.71 0.00	26.98 -0.66 0.00	26.15 -0.67 0.00	26.20 -0.67 0.00	26.66 -0.68 0.00	28.37 -0.73 0.00	36.00 -0.85 0.00	42.72 -0.96 0.00	36.11 -0.85 0.00	31.63 -0.84 0.00	31.15 -0.90 0.00	29.06 -0.90 0.00	27.74 -0.89 0.00	27.77 -0.86 0.00	29.29 -0.90 0.00	32.12 -1.03 0.00	35.64 -0.98 -0.29	42.10 -1.09 -1.09	34.60 -0.90 -0.79	33.66 -0.96 -0.33	33.25 -1.06 -0.17	32.90 -1.12 0.00	29.93 -1.05 -0.04	28.37 -0.97 0.00
OSWEGO___6 23613	27.63 -0.71 0.00	26.98 -0.66 0.00	26.15 -0.67 0.00	26.20 -0.67 0.00	26.66 -0.68 0.00	28.37 -0.73 0.00	36.00 -0.85 0.00	42.72 -0.96 0.00	36.11 -0.85 0.00	31.63 -0.84 0.00	31.15 -0.90 0.00	29.06 -0.90 0.00	27.74 -0.89 0.00	27.77 -0.86 0.00	29.29 -0.90 0.00	32.12 -1.03 0.00	35.64 -0.98 -0.29	42.10 -1.09 -1.09	34.60 -0.90 -0.79	33.66 -0.96 -0.33	33.25 -1.06 -0.17	32.90 -1.12 0.00	29.93 -1.05 -0.04	28.37 -0.97 0.00
OUTOKUMPU-AB___DRP 24206	27.77 -0.57 0.00	26.98 -0.66 0.00	26.02 -0.80 0.00	26.04 -0.83 0.00	26.66 -0.68 0.00	28.37 -0.73 0.00	35.19 -1.66 0.00	40.22 -3.45 0.02	34.81 -2.14 0.00	30.26 -2.21 0.00	29.83 -2.21 0.00	27.50 -2.46 0.00	26.22 -2.40 0.00	26.31 -2.32 0.00	27.47 -2.72 0.00	30.29 -2.85 0.00	32.47 -4.21 -0.35	38.62 -4.93 -1.44	31.81 -3.85 -0.95	30.74 -3.94 -0.41	29.59 -4.30 0.25	27.87 -4.42 1.73	26.31 -4.15 0.48	25.96 -3.37 0.00
OXBOW___BTM 323836	27.40 -0.94 0.00	26.62 -1.02 0.00	25.67 -1.15 0.00	25.69 -1.18 0.00	26.30 -1.04 0.00	27.96 -1.13 0.00	34.67 -2.17 0.00	39.69 -3.98 0.02	34.33 -2.62 0.00	29.84 -2.63 0.00	29.45 -2.60 0.00	27.14 -2.82 0.00	25.91 -2.72 0.00	25.97 -2.66 0.00	27.11 -3.08 0.00	29.90 -3.25 0.00	32.09 -4.58 -0.34	38.08 -5.43 -1.40	31.43 -4.20 -0.91	30.35 -4.32 -0.39	29.24 -4.64 0.26	27.49 -4.76 1.77	26.06 -4.39 0.49	25.64 -3.70 0.00



OXBOW____ 24026	27.26 -1.08 0.00	26.59 -1.05 0.00	25.70 -1.13 0.00	25.85 -1.02 0.00	26.33 -1.01 0.00	27.93 -1.16 0.00	34.27 -2.58 0.00	39.87 -3.80 0.02	34.19 -2.77 0.00	29.81 -2.66 0.00	29.13 -2.92 0.00	27.05 -2.91 0.00	25.71 -2.92 0.00	25.83 -2.80 0.00	27.02 -3.17 0.00	28.90 -4.24 0.00	32.09 -4.61 -0.37	38.22 -5.43 -1.55	31.56 -4.17 -1.02	30.36 -4.35 -0.43	29.16 -4.74 0.24	27.26 -5.00 1.76	25.93 -4.52 0.49	25.55 -3.78 0.00
OXY_CHEM_DSASP 323612	26.86 -1.47 0.00	26.15 -1.49 0.00	25.19 -1.64 0.00	25.21 -1.67 0.00	25.81 -1.53 0.00	27.44 -1.66 0.00	33.94 -2.91 0.00	38.95 -4.72 0.02	33.63 -3.33 0.00	29.26 -3.21 0.00	28.87 -3.17 0.00	26.66 -3.30 0.00	25.45 -3.18 0.00	25.51 -3.12 0.00	26.63 -3.56 0.00	29.37 -3.78 0.00	31.53 -5.12 -0.32	37.37 -6.10 -1.37	30.87 -4.72 -0.88	29.86 -4.80 -0.37	28.75 -5.12 0.27	26.94 -5.27 1.81	25.67 -4.77 0.50	25.23 -4.11 0.00
OZONE_PARK_ESR 323760	29.78 1.45 0.00	29.02 1.38 0.00	28.11 1.29 0.00	28.16 1.29 0.00	28.52 1.18 0.00	30.41 1.31 0.00	39.61 2.76 0.00	47.31 3.63 0.00	40.06 3.10 0.00	34.94 2.47 0.00	34.35 2.31 0.00	32.17 2.22 0.00	30.80 2.18 0.00	30.78 2.15 0.00	32.58 2.39 0.00	35.90 2.75 0.00	43.50 3.45 -3.72	60.37 4.17 -14.10	48.36 3.40 -10.24	41.97 3.36 -4.33	39.47 3.18 -2.15	37.01 2.99 0.00	34.20 2.69 -0.56	31.68 2.35 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	26.86 -1.47 0.00	26.15 -1.49 0.00	25.19 -1.64 0.00	25.21 -1.67 0.00	25.81 -1.53 0.00	27.44 -1.66 0.00	33.94 -2.91 0.00	38.95 -4.72 0.02	33.63 -3.33 0.00	29.26 -3.21 0.00	28.87 -3.17 0.00	26.66 -3.30 0.00	25.45 -3.18 0.00	25.51 -3.12 0.00	26.63 -3.56 0.00	29.37 -3.78 0.00	31.53 -5.12 -0.32	37.37 -6.10 -1.37	30.87 -4.72 -0.88	29.86 -4.80 -0.37	28.75 -5.12 0.27	26.94 -5.27 1.81	25.67 -4.77 0.50	25.23 -4.11 0.00
PACKARD__115KV_DUPONT_184 80571	26.86 -1.47 0.00	26.15 -1.49 0.00	25.19 -1.64 0.00	25.21 -1.67 0.00	25.81 -1.53 0.00	27.44 -1.66 0.00	33.94 -2.91 0.00	38.95 -4.72 0.02	33.63 -3.33 0.00	29.26 -3.21 0.00	28.87 -3.17 0.00	26.66 -3.30 0.00	25.45 -3.18 0.00	25.51 -3.12 0.00	26.63 -3.56 0.00	29.37 -3.78 0.00	31.53 -5.12 -0.32	37.37 -6.10 -1.37	30.87 -4.72 -0.88	29.86 -4.80 -0.37	28.75 -5.12 0.27	26.94 -5.27 1.81	25.67 -4.77 0.50	25.23 -4.11 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	29.61 1.28 0.00	28.80 1.16 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.09 0.99 0.00	39.13 2.28 0.00	46.70 3.01 0.00	39.58 2.62 0.00	34.55 2.08 0.00	33.97 1.92 0.00	31.84 1.89 0.00	30.49 1.86 0.00	30.46 1.83 0.00	32.24 2.05 0.00	35.53 2.39 0.00	43.10 3.05 -3.72	59.95 3.75 -14.10	47.98 3.02 -10.25	41.55 2.95 -4.33	39.02 2.73 -2.15	36.61 2.59 0.00	33.95 2.44 -0.56	31.54 2.20 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	30.01 1.67 0.00	29.19 1.55 0.00	28.32 1.50 0.00	28.35 1.48 0.00	28.68 1.34 0.00	30.46 1.37 0.00	39.65 2.80 0.00	47.27 3.58 0.00	40.10 3.14 0.00	34.97 2.50 0.00	34.35 2.31 0.00	32.17 2.22 0.00	30.77 2.15 0.00	30.75 2.12 0.00	32.58 2.39 0.00	35.90 2.75 0.00	43.50 3.45 -3.72	60.41 4.21 -14.10	48.39 3.44 -10.25	41.97 3.36 -4.33	39.40 3.11 -2.15	36.98 2.96 0.00	34.32 2.82 -0.56	31.89 2.55 0.00
PATROON__115KV_TB1 80586	29.10 0.77 0.00	28.36 0.72 0.00	27.63 0.80 0.00	27.68 0.81 0.00	28.11 0.77 0.00	29.71 0.61 0.00	37.95 1.11 0.00	45.12 1.44 0.00	38.10 1.15 0.00	33.18 0.71 0.00	32.88 0.83 0.00	30.85 0.90 0.00	29.51 0.89 0.00	29.55 0.92 0.00	31.19 1.00 0.00	34.17 1.03 0.00	42.43 1.45 -4.65	61.38 1.64 -17.63	48.87 1.35 -12.80	40.99 1.30 -5.41	38.13 1.30 -2.69	35.21 1.19 0.00	32.86 1.21 -0.71	30.60 1.26 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	28.82 0.48 0.00	28.00 0.36 0.00	27.01 0.19 0.00	27.06 0.19 0.00	27.73 0.38 0.00	29.56 0.47 0.00	36.92 0.07 0.00	40.66 -3.01 0.01	36.33 -0.63 0.00	31.53 -0.94 0.00	31.05 -0.99 0.00	28.73 -1.23 0.00	27.34 -1.29 0.00	27.40 -1.23 0.00	28.65 -1.54 0.00	31.52 -1.62 0.00	33.08 -3.67 -0.42	39.59 -4.17 -1.65	32.32 -3.54 -1.15	31.27 -3.50 -0.49	30.14 -3.86 0.15	28.70 -3.88 1.45	26.65 -3.90 0.40	27.37 -1.97 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	29.84 1.50 0.00	29.05 1.41 0.00	28.16 1.34 0.00	28.27 1.40 0.00	28.57 1.23 0.00	30.55 1.45 0.00	39.58 2.73 0.00	47.09 3.41 0.00	39.88 2.92 0.00	34.68 2.21 0.00	34.00 1.95 0.00	31.81 1.86 0.00	30.40 1.77 0.00	30.35 1.72 0.00	32.15 1.96 0.00	35.47 2.32 0.00	43.26 3.16 -3.77	60.26 3.87 -14.29	48.32 3.23 -10.38	41.78 3.12 -4.38	39.32 3.00 -2.18	36.88 2.86 0.00	34.05 2.54 -0.57	31.57 2.23 0.00
PEEKSKILL____ 23653	29.55 1.22 0.00	28.72 1.08 0.00	27.84 1.02 0.00	27.87 0.99 0.00	28.27 0.93 0.00	30.20 1.11 0.00	39.17 2.32 0.00	46.57 2.88 0.00	39.43 2.48 0.00	34.35 1.88 0.00	33.87 1.83 0.00	31.69 1.74 0.00	30.34 1.72 0.00	30.32 1.69 0.00	32.06 1.87 0.00	35.40 2.25 0.00	42.81 2.80 -3.68	59.46 3.41 -13.94	47.62 2.78 -10.13	41.27 2.71 -4.28	38.86 2.59 -2.13	36.54 2.52 0.00	33.76 2.26 -0.56	31.30 1.97 0.00
PGE MADISON__WINDPWR 24146	31.11 2.78 0.00	30.52 2.87 0.00	29.58 2.76 0.00	29.69 2.82 0.00	30.27 2.93 0.00	32.53 3.43 0.00	42.05 5.20 0.00	49.90 6.20 -0.02	42.06 5.10 0.00	36.49 4.03 0.00	35.41 3.36 0.00	32.71 2.75 0.00	31.29 2.66 0.00	31.09 2.46 0.00	32.76 2.56 0.00	36.09 2.95 0.00	41.90 4.39 -1.17	51.88 5.35 -4.43	42.17 4.23 -3.23	39.72 4.08 -1.36	38.54 3.55 -0.84	37.85 3.23 -0.59	33.85 2.54 -0.37	31.80 2.46 0.00
PIERCEFIELD__HYD 23852	28.48 0.14 0.00	27.83 0.19 0.00	27.04 0.21 0.00	27.09 0.21 0.00	27.56 0.22 0.00	28.95 -0.15 0.00	35.67 -1.18 0.00	42.29 -1.40 0.00	35.78 -1.18 0.00	31.76 -0.71 0.00	31.50 -0.54 0.00	29.51 -0.45 0.00	28.20 -0.43 0.00	28.14 -0.49 0.00	29.62 -0.57 0.00	32.32 -0.83 0.00	35.02 -1.31 0.00	40.55 -1.56 0.00	33.39 -1.32 0.00	33.01 -1.27 0.00	33.15 -0.99 0.00	33.37 -0.65 0.00	30.45 -0.50 0.00	29.01 -0.32 0.00
PINELAWN_CC_1 323563	38.86 2.46 -8.06	33.88 2.29 -3.94	33.21 2.22 -4.16	32.85 2.18 -3.80	34.28 2.19 -4.75	40.00 2.41 -8.49	46.82 4.05 -5.92	56.96 4.81 -8.47	49.23 4.14 -8.14	40.66 3.28 -4.91	42.39 3.24 -7.11	39.80 3.06 -6.78	38.02 3.00 -6.38	41.47 2.98 -9.86	43.51 3.26 -10.06	53.13 3.74 -16.25	65.69 4.00 -25.36	87.31 4.51 -40.70	71.23 3.68 -32.84	67.73 3.77 -29.68	63.09 3.65 -25.30	54.72 3.64 -17.06	51.43 3.59 -16.90	43.01 3.23 -10.45
PJM_GEN_HTP_PROXY 323702	29.67 1.33 0.00	28.80 1.16 0.00	27.95 1.13 0.00	27.95 1.08 0.00	28.35 1.01 0.00	30.26 1.17 0.00	39.36 2.51 0.00	46.83 3.15 0.00	39.73 2.77 0.00	34.65 2.18 0.00	34.05 2.08 0.08	32.01 1.98 -0.08	30.60 1.97 0.00	30.55 1.92 0.00	32.33 2.14 0.00	35.70 2.55 0.00	43.13 3.09 -3.72	59.94 3.75 -14.09	47.97 3.02 -10.24	41.62 3.02 -4.32	39.16 2.87 -2.15	36.78 2.75 0.00	33.95 2.44 -0.56	31.45 2.11 0.00



PJM_GEN_KEystone	28.68	27.86	26.98	27.09	27.56	29.36	37.36	43.81	37.40	32.60	31.97	30.03	28.60	28.63	30.16	32.78	38.43	50.50	40.87	36.79	35.01	33.30	30.72	29.19
24065	0.34	0.22	0.16	0.21	0.22	0.26	0.52	0.13	0.45	0.13	0.00	0.00	-0.03	0.00	-0.03	-0.36	-0.14	-0.04	-0.03	-0.10	-0.31	-0.41	-0.43	-0.15
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	-0.08	0.00	0.00	0.00	0.00	-2.25	-8.44	-6.19	-2.62	-1.18	0.32	-0.21	0.00
PJM_GEN_NEPTUNE_PROXY	32.55	30.49	29.68	29.59	30.32	33.33	41.76	49.98	42.66	36.51	36.61	34.47	32.92	33.92	35.78	41.01	50.00	81.63	66.42	62.29	46.42	42.31	39.32	35.06
323594	1.79	1.66	1.61	1.59	1.56	1.69	3.13	3.76	3.25	2.56	2.50	2.40	2.37	2.32	2.56	2.98	3.45	4.04	3.30	3.29	3.18	3.16	2.91	2.58
	-2.42	-1.19	-1.25	-1.14	-1.42	-2.54	-1.78	-2.54	-2.45	-1.48	-2.07	-2.12	-1.92	-2.97	-3.02	-4.88	-10.21	-35.48	-28.40	-24.72	-9.10	-5.13	-5.47	-3.14
PJM_GEN_VFT_PROXY	29.50	28.66	27.79	27.81	28.22	30.09	39.17	46.65	39.58	34.52	33.92	31.92	30.49	30.44	32.25	35.56	42.96	59.77	47.83	41.48	39.02	36.61	33.83	31.33
323633	1.16	1.02	0.96	0.94	0.87	0.99	2.32	2.97	2.62	2.05	1.96	1.89	1.86	1.80	2.05	2.42	2.91	3.58	2.88	2.88	2.73	2.58	2.32	2.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	-0.08	0.00	0.00	0.00	0.00	-3.72	-14.09	-10.24	-4.32	-2.15	0.00	-0.56	0.00
PLATSBURG_115KV_PMLD1	28.70	28.14	27.41	27.52	28.24	29.71	36.37	43.03	36.48	32.89	32.49	30.26	28.80	28.75	30.16	33.08	35.79	40.59	33.74	33.15	32.91	32.73	30.11	28.49
355749	0.37	0.50	0.59	0.64	0.90	0.61	-0.48	-0.66	-0.48	0.42	0.45	0.30	0.17	0.11	-0.03	-0.07	-0.54	-1.52	-0.97	-1.13	-1.23	-1.29	-0.84	-0.85
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PLEASANTVLY__LBMP	29.33	28.55	27.73	27.79	28.19	30.06	38.88	46.35	39.18	34.13	33.62	31.51	30.17	30.18	31.91	35.10	42.84	59.98	48.01	41.35	38.82	36.30	33.64	31.18
24000	0.99	0.91	0.91	0.91	0.85	0.96	2.03	2.66	2.22	1.66	1.57	1.56	1.55	1.55	1.72	1.96	2.62	3.12	2.57	2.54	2.42	2.28	2.10	1.85
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.89	-14.76	-10.73	-4.53	-2.25	0.00	-0.59	0.00
PLSNTVLE_13_KV_13.8KVDIST	29.53	28.75	27.89	27.95	28.33	30.23	39.21	46.78	39.58	34.48	33.97	31.81	30.46	30.44	32.18	35.43	43.05	59.92	47.98	41.52	39.07	36.64	33.86	31.42
80602	1.19	1.11	1.07	1.07	0.98	1.13	2.36	3.10	2.62	2.01	1.92	1.86	1.83	1.80	1.99	2.29	2.98	3.62	2.95	2.88	2.77	2.62	2.35	2.08
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.74	-14.19	-10.32	-4.36	-2.16	0.00	-0.57	0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I	29.53	28.75	27.89	27.95	28.33	30.23	39.21	46.78	39.58	34.48	33.97	31.81	30.46	30.44	32.18	35.43	43.05	59.92	47.98	41.52	39.07	36.64	33.86	31.42
345020	1.19	1.11	1.07	1.07	0.98	1.13	2.36	3.10	2.62	2.01	1.92	1.86	1.83	1.80	1.99	2.29	2.98	3.62	2.95	2.88	2.77	2.62	2.35	2.08
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.74	-14.19	-10.32	-4.36	-2.16	0.00	-0.57	0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G	29.70	28.91	28.03	28.11	28.49	30.44	39.39	46.74	39.55	34.42	33.84	31.66	30.29	30.29	32.09	35.33	43.11	60.03	48.19	41.61	39.14	36.61	33.90	31.48
345023	1.36	1.27	1.21	1.24	1.15	1.34	2.54	3.06	2.59	1.95	1.79	1.71	1.66	1.66	1.90	2.19	2.98	3.54	3.02	2.91	2.80	2.59	2.38	2.14
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.80	-14.39	-10.46	-4.42	-2.19	0.00	-0.58	0.00
POLETTI__	29.47	28.75	27.89	27.95	28.30	30.14	39.24	46.87	39.69	34.61	34.03	31.90	30.54	30.52	32.27	35.56	43.10	59.91	47.98	41.59	39.12	36.67	33.92	31.42
23519	1.13	1.11	1.07	1.07	0.96	1.05	2.40	3.19	2.73	2.14	1.99	1.95	1.92	1.89	2.08	2.42	3.05	3.71	3.02	2.98	2.83	2.65	2.41	2.08
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.72	-14.10	-10.24	-4.33	-2.15	0.00	-0.56	0.00
POMONA__ESR	29.50	28.66	27.79	27.81	28.24	30.14	39.13	46.48	39.33	34.25	33.77	31.63	30.29	30.26	32.00	35.30	42.60	58.96	47.25	41.08	38.74	36.47	33.65	31.24
323819	1.16	1.02	0.96	0.94	0.90	1.05	2.29	2.80	2.37	1.78	1.73	1.68	1.66	1.63	1.81	2.15	2.69	3.29	2.67	2.64	2.53	2.45	2.17	1.91
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.58	-13.57	-9.86	-4.16	-2.07	0.00	-0.54	0.00
PORT_JEFF_3	39.61	34.44	33.77	33.40	34.85	40.78	47.63	58.03	50.11	41.27	43.06	40.45	38.67	42.25	44.32	54.29	67.48	86.36	70.49	66.64	64.97	56.29	52.59	43.88
23555	2.86	2.68	2.60	2.55	2.54	2.82	4.61	5.50	4.66	3.67	3.59	3.41	3.38	3.32	3.62	4.18	4.83	5.60	4.68	4.63	4.51	4.46	4.02	3.64
	-8.42	-4.11	-4.34	-3.97	-4.97	-8.86	-6.18	-8.84	-8.50	-5.13	-7.43	-7.09	-6.67	-10.30	-10.50	-16.96	-26.32	-38.65	-31.10	-27.74	-26.32	-17.82	-17.62	-10.91
PORT_JEFF_4	39.61	34.44	33.77	33.40	34.85	40.78	47.63	58.03	50.11	41.27	43.06	40.45	38.67	42.25	44.32	54.29	67.48	86.36	70.49	66.64	64.97	56.29	52.59	43.88
23616	2.86	2.68	2.60	2.55	2.54	2.82	4.61	5.50	4.66	3.67	3.59	3.41	3.38	3.32	3.62	4.18	4.83	5.60	4.68	4.63	4.51	4.46	4.02	3.64
	-8.42	-4.11	-4.34	-3.97	-4.97	-8.86	-6.18	-8.84	-8.50	-5.13	-7.43	-7.09	-6.67	-10.30	-10.50	-16.96	-26.32	-38.65	-31.10	-27.74	-26.32	-17.82	-17.62	-10.91
PORT_JEFF_IC	39.64	34.46	33.79	33.42	34.87	40.81	47.70	58.07	50.14	41.29	43.09	40.48	38.66	42.27	44.34	54.27	67.50	86.41	70.58	66.73	64.98	56.31	52.60	43.90
23713	2.89	2.71	2.63	2.58	2.57	2.85	4.68	5.55	4.69	3.70	3.62	3.44	3.38	3.35	3.65	4.18	4.87	5.60	4.72	4.66	4.54	4.49	4.05	3.67
	-8.41	-4.11	-4.34	-3.97	-4.96	-8.86	-6.17	-8.83	-8.49	-5.12	-7.42	-7.08	-6.66	-10.29	-10.49	-16.95	-26.30	-38.71	-31.14	-27.79	-26.30	-17.80	-17.61	-10.90
PPL PILGRIM_ST_GT1	39.51	34.36	33.66	33.32	34.77	40.64	47.48	57.80	50.03	41.24	43.02	40.44	38.60	42.19	44.26	54.16	67.17	86.53	70.54	66.72	64.73	56.09	52.43	43.79
24216	2.81	2.63	2.52	2.50	2.49	2.73	4.49	5.33	4.62	3.67	3.59	3.44	3.35	3.32	3.62	4.14	4.65	5.47	4.48	4.42	4.41	4.36	3.96	3.61
	-8.37	-4.09	-4.32	-3.95	-4.94	-8.81	-6.14	-8.79	-8.45	-5.10	-7.39	-7.04	-6.63	-10.24	-10.44	-16.87	-26.19	-38.95	-31.35	-28.01	-26.18	-17.72	-17.53	-10.85
PPL PILGRIM_ST_GT2	39.51	34.36	33.66	33.32	34.77	40.64	47.48	57.80	50.03	41.24	43.02	40.44	38.60	42.19	44.26	54.16	67.17	86.53	70.54	66.72	64.73	56.09	52.43	43.79
24217	2.81	2.63	2.52	2.50	2.49	2.73	4.49	5.33	4.62	3.67	3.59	3.44	3.35	3.32	3.62	4.14	4.65	5.47	4.48	4.42	4.41	4.36	3.96	3.61
	-8.37	-4.09	-4.32	-3.95	-4.94	-8.81	-6.14	-8.79	-8.45	-5.10	-7.39	-7.04	-6.63	-10.24	-10.44	-16.87	-26.19	-38.95	-31.35	-28.01	-26.18	-17.72	-17.53	-10.85



PPL_SHRM_GT3 24213	39.95 3.20 -8.41	34.77 3.01 -4.11	34.06 2.90 -4.34	33.69 2.85 -3.97	35.18 2.87 -4.96	41.13 3.17 -8.86	48.11 5.09 -6.17	58.64 6.12 -8.84	50.44 4.99 -8.49	41.46 3.86 -5.13	43.22 3.75 -7.43	40.60 3.56 -7.08	38.90 3.61 -6.66	42.48 3.55 -10.30	44.50 3.80 -10.50	54.41 4.31 -16.96	67.69 5.05 -26.31	86.84 6.06 -38.67	70.79 4.96 -31.12	66.94 4.90 -27.76	65.30 4.85 -26.31	56.63 4.80 -17.81	52.86 4.30 -17.62	44.08 3.84 -10.90
PPL_SHRM_GT4 24214	39.95 3.20 -8.41	34.77 3.01 -4.11	34.06 2.90 -4.34	33.69 2.85 -3.97	35.18 2.87 -4.96	41.13 3.17 -8.86	48.11 5.09 -6.17	58.64 6.12 -8.84	50.44 4.99 -8.49	41.46 3.86 -5.13	43.22 3.75 -7.43	40.60 3.56 -7.08	38.90 3.61 -6.66	42.48 3.55 -10.30	44.50 3.80 -10.50	54.41 4.31 -16.96	67.69 5.05 -26.31	86.84 6.06 -38.67	70.79 4.96 -31.12	66.94 4.90 -27.76	65.30 4.85 -26.31	56.63 4.80 -17.81	52.86 4.30 -17.62	44.08 3.84 -10.90
PROJECT___ORANGE 1 24174	28.05 -0.28 0.00	27.37 -0.28 0.00	26.53 -0.30 0.00	26.55 -0.32 0.00	27.04 -0.30 0.00	28.81 -0.29 0.00	36.59 -0.26 0.00	43.43 -0.26 -0.01	36.74 -0.22 0.00	32.11 -0.36 0.00	31.63 -0.42 0.00	29.51 -0.45 0.00	28.17 -0.46 0.00	28.20 -0.43 0.00	29.74 -0.45 0.00	32.65 -0.50 0.00	36.24 -0.44 -0.34	42.89 -0.51 -1.29	35.27 -0.38 -0.94	34.23 -0.45 -0.39	33.83 -0.58 -0.27	33.66 -0.61 -0.25	30.46 -0.62 -0.14	28.75 -0.59 0.00
PROJECT___ORANGE 2 24166	28.05 -0.28 0.00	27.37 -0.28 0.00	26.53 -0.30 0.00	26.55 -0.32 0.00	27.04 -0.30 0.00	28.81 -0.29 0.00	36.59 -0.26 0.00	43.43 -0.26 -0.01	36.74 -0.22 0.00	32.11 -0.36 0.00	31.63 -0.42 0.00	29.51 -0.45 0.00	28.17 -0.46 0.00	28.20 -0.43 0.00	29.74 -0.45 0.00	32.65 -0.50 0.00	36.24 -0.44 -0.34	42.89 -0.51 -1.29	35.27 -0.38 -0.94	34.23 -0.45 -0.39	33.83 -0.58 -0.27	33.66 -0.61 -0.25	30.46 -0.62 -0.14	28.75 -0.59 0.00
PUCKETT___SOLAR 323809	29.38 1.05 0.00	28.69 1.05 0.00	27.79 0.96 0.00	27.84 0.97 0.00	28.35 1.01 0.00	30.32 1.22 0.00	38.80 1.95 0.00	45.88 2.18 -0.02	38.88 1.92 0.00	33.83 1.36 0.00	33.10 1.06 0.00	30.73 0.78 0.00	29.34 0.72 0.00	29.29 0.66 0.00	30.91 0.72 0.00	33.91 0.76 0.00	38.82 1.24 -1.26	48.36 1.51 -4.74	39.39 1.21 -3.46	36.87 1.13 -1.46	35.85 0.89 -0.82	35.12 0.75 -0.36	31.71 0.46 -0.31	29.95 0.62 0.00
PYRITES___HYD 24023	29.04 0.71 0.00	28.42 0.77 0.00	27.55 0.72 0.00	27.60 0.73 0.00	28.14 0.79 0.00	29.68 0.58 0.00	36.70 -0.15 0.00	43.51 -0.17 0.00	36.81 -0.15 0.00	32.70 0.23 0.00	32.33 0.29 0.00	30.26 0.30 0.00	28.97 0.34 0.00	28.89 0.26 0.00	30.40 0.21 0.00	33.18 0.03 0.00	36.08 -0.25 0.00	41.81 -0.29 0.00	34.40 -0.31 0.00	34.07 -0.21 0.00	34.11 -0.03 0.00	34.22 0.20 0.00	31.13 0.19 0.00	29.69 0.35 0.00
QUAKERRD_115KV_BK1 80622	27.29 -1.05 0.00	26.59 -1.05 0.00	25.72 -1.10 0.00	25.69 -1.18 0.00	26.25 -1.09 0.00	28.02 -1.08 0.00	35.30 -1.55 0.00	41.59 -2.05 0.04	35.33 -1.63 0.00	30.78 -1.69 0.00	30.35 -1.70 0.00	28.13 -1.83 0.00	26.79 -1.83 0.00	26.86 -1.78 0.00	28.23 -1.96 0.00	31.16 -1.99 0.00	34.42 -2.33 -0.42	41.08 -2.65 -1.63	33.78 -2.08 -1.15	32.57 -2.19 -0.49	31.28 -2.42 0.44	29.09 -2.52 2.41	27.79 -2.41 0.74	27.02 -2.32 0.00
QUENSBRY_115KV_TB8 356137	29.24 0.91 0.00	28.44 0.80 0.00	27.73 0.91 0.00	27.84 0.97 0.00	28.30 0.96 0.00	30.20 1.11 0.00	38.95 2.10 0.00	46.30 2.62 0.00	39.03 2.07 0.00	33.90 1.43 0.00	33.42 1.38 0.00	31.15 1.20 0.00	29.69 1.06 0.00	29.72 1.09 0.00	31.52 1.33 0.00	34.54 1.39 0.00	43.09 2.00 -4.76	62.38 2.23 -18.05	49.73 1.91 -13.10	41.53 1.71 -5.53	38.64 1.74 -2.75	35.72 1.70 0.00	33.15 1.49 -0.72	30.74 1.41 0.00
RAMAPO___LBMP 323565	29.30 0.96 0.00	28.53 0.88 0.00	27.68 0.86 0.00	27.73 0.86 0.00	28.11 0.77 0.00	30.03 0.93 0.00	38.91 2.06 0.00	46.35 2.66 0.00	39.18 2.22 0.00	34.13 1.66 0.00	33.62 1.57 0.00	31.51 1.56 0.00	30.14 1.52 0.00	30.15 1.52 0.00	31.88 1.69 0.00	35.07 1.92 0.00	42.48 2.58 -3.57	58.80 3.16 -13.53	47.12 2.57 -9.84	40.94 2.50 -4.15	38.59 2.39 -2.06	36.27 2.25 0.00	33.53 2.04 -0.54	31.13 1.79 0.00
RANKINE____ 23646	28.11 -0.23 0.00	27.31 -0.33 0.00	26.34 -0.48 0.00	26.39 -0.48 0.00	27.01 -0.33 0.00	28.78 -0.32 0.00	35.74 -1.11 0.00	40.57 -3.10 0.01	35.33 -1.63 0.00	30.68 -1.79 0.00	30.25 -1.79 0.00	27.92 -2.04 0.00	26.59 -2.03 0.00	26.66 -1.98 0.00	27.84 -2.35 0.00	30.69 -2.45 0.00	32.75 -3.96 -0.38	39.03 -4.59 -1.52	32.09 -3.64 -1.02	30.98 -3.74 -0.44	29.84 -4.10 0.21	28.22 -4.18 1.61	26.53 -3.96 0.45	26.34 -2.99 0.00
RAVENSWOOD_GT2_1 24244	29.55 1.22 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.20 1.11 0.00	39.28 2.43 0.00	46.92 3.23 0.00	39.73 2.77 0.00	34.65 2.18 0.00	34.06 2.02 0.00	31.93 1.98 0.00	30.57 1.95 0.00	30.55 1.92 0.00	32.30 2.11 0.00	35.60 2.45 0.00	43.17 3.12 -3.72	59.99 3.79 -14.10	48.01 3.05 -10.25	41.62 3.02 -4.33	39.16 2.87 -2.15	36.71 2.69 0.00	33.95 2.44 -0.56	31.48 2.14 0.00
RAVENSWOOD_GT2_2 24245	29.55 1.22 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.20 1.11 0.00	39.28 2.43 0.00	46.92 3.23 0.00	39.73 2.77 0.00	34.65 2.18 0.00	34.06 2.02 0.00	31.93 1.98 0.00	30.57 1.95 0.00	30.55 1.92 0.00	32.30 2.11 0.00	35.60 2.45 0.00	43.17 3.12 -3.72	59.99 3.79 -14.10	48.01 3.05 -10.25	41.62 3.02 -4.33	39.16 2.87 -2.15	36.71 2.69 0.00	33.95 2.44 -0.56	31.48 2.14 0.00
RAVENSWOOD_GT2_3 24246	29.55 1.22 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.32 2.47 0.00	46.92 3.23 0.00	39.73 2.77 0.00	34.68 2.21 0.00	34.10 2.05 0.00	31.93 1.98 0.00	30.57 1.95 0.00	30.55 1.92 0.00	32.33 2.14 0.00	35.60 2.45 0.00	43.17 3.12 -3.72	59.99 3.79 -14.10	48.05 3.09 -10.25	41.66 3.05 -4.33	39.16 2.87 -2.15	36.74 2.72 0.00	33.98 2.48 -0.56	31.48 2.14 0.00
RAVENSWOOD_GT2_4 24247	29.55 1.22 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.32 2.47 0.00	46.92 3.23 0.00	39.73 2.77 0.00	34.68 2.21 0.00	34.10 2.05 0.00	31.93 1.98 0.00	30.57 1.95 0.00	30.55 1.92 0.00	32.33 2.14 0.00	35.60 2.45 0.00	43.17 3.12 -3.72	59.99 3.79 -14.10	48.05 3.09 -10.25	41.66 3.05 -4.33	39.16 2.87 -2.15	36.74 2.72 0.00	33.98 2.48 -0.56	31.48 2.14 0.00
RAVENSWOOD_GT3_1 24248	29.55 1.22 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.23 1.13 0.00	39.28 2.43 0.00	46.92 3.23 0.00	39.73 2.77 0.00	34.65 2.18 0.00	34.10 2.05 0.00	31.93 1.98 0.00	30.57 1.95 0.00	30.55 1.92 0.00	32.33 2.14 0.00	35.60 2.45 0.00	43.17 3.12 -3.72	59.99 3.79 -14.10	48.05 3.09 -10.25	41.66 3.05 -4.33	39.16 2.87 -2.15	36.71 2.69 0.00	33.95 2.44 -0.56	31.48 2.14 0.00



RAVENSWOOD_GT3_2 24249	29.55 1.22 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.23 1.13 0.00	39.28 2.43 0.00	46.92 3.23 0.00	39.73 2.77 0.00	34.65 2.18 0.00	34.10 2.05 0.00	31.93 1.98 0.00	30.57 1.95 0.00	30.55 1.92 0.00	32.33 2.14 0.00	35.60 2.45 0.00	43.17 3.12 -3.72	59.99 3.79 -14.10	48.05 3.09 -10.25	41.66 3.05 -4.33	39.16 2.87 -2.15	36.71 2.69 0.00	33.95 2.44 -0.56	31.48 2.14 0.00
RAVENSWOOD_GT3_3 24250	29.58 1.25 0.00	28.80 1.16 0.00	27.95 1.13 0.00	28.00 1.13 0.00	28.35 1.01 0.00	30.26 1.16 0.00	39.32 2.47 0.00	46.96 3.28 0.00	39.77 2.81 0.00	34.71 2.24 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.98 0.00	30.58 1.95 0.00	32.36 2.17 0.00	35.63 2.49 0.00	43.21 3.16 -3.72	60.03 3.83 -14.10	48.08 3.12 -10.25	41.69 3.09 -4.33	39.19 2.90 -2.15	36.74 2.72 0.00	34.01 2.51 -0.56	31.51 2.17 0.00
RAVENSWOOD_GT3_4 24251	29.58 1.25 0.00	28.80 1.16 0.00	27.95 1.13 0.00	28.00 1.13 0.00	28.35 1.01 0.00	30.26 1.16 0.00	39.32 2.47 0.00	46.96 3.28 0.00	39.77 2.81 0.00	34.71 2.24 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.98 0.00	30.58 1.95 0.00	32.36 2.17 0.00	35.63 2.49 0.00	43.21 3.16 -3.72	60.03 3.83 -14.10	48.08 3.12 -10.25	41.69 3.09 -4.33	39.19 2.90 -2.15	36.74 2.72 0.00	34.01 2.51 -0.56	31.51 2.17 0.00
RAVENSWOOD_GT_1 23729	29.64 1.30 0.00	28.83 1.19 0.00	27.97 1.15 0.00	28.03 1.16 0.00	28.38 1.04 0.00	30.20 1.11 0.00	39.32 2.47 0.00	46.96 3.28 0.00	39.84 2.88 0.00	34.74 2.27 0.00	34.16 2.11 0.00	32.02 2.07 0.00	30.63 2.00 0.00	30.61 1.98 0.00	32.43 2.23 0.00	35.70 2.55 0.00	43.32 3.27 -3.72	60.20 4.00 -14.10	48.19 3.23 -10.25	41.76 3.15 -4.33	39.23 2.94 -2.15	36.78 2.76 0.00	34.07 2.57 -0.56	31.60 2.26 0.00
RAVENSWOOD_GT_10 24258	29.55 1.22 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.23 1.13 0.00	39.28 2.43 0.00	46.92 3.23 0.00	39.73 2.77 0.00	34.65 2.18 0.00	34.06 2.02 0.00	31.93 1.98 0.00	30.57 1.95 0.00	30.55 1.92 0.00	32.30 2.11 0.00	35.60 2.45 0.00	43.17 3.12 -3.72	59.99 3.79 -14.10	48.01 3.05 -10.25	41.62 3.02 -4.33	39.16 2.87 -2.15	36.71 2.69 0.00	33.95 2.44 -0.56	31.48 2.14 0.00
RAVENSWOOD_GT_11 24259	29.55 1.22 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.23 1.13 0.00	39.28 2.43 0.00	46.92 3.23 0.00	39.73 2.77 0.00	34.65 2.18 0.00	34.06 2.02 0.00	31.93 1.98 0.00	30.57 1.95 0.00	30.55 1.92 0.00	32.30 2.11 0.00	35.60 2.45 0.00	43.17 3.12 -3.72	59.99 3.79 -14.10	48.01 3.05 -10.25	41.62 3.02 -4.33	39.16 2.87 -2.15	36.71 2.69 0.00	33.95 2.44 -0.56	31.48 2.14 0.00
RAVENSWOOD_GT_4 24252	29.53 1.19 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.23 1.13 0.00	39.28 2.43 0.00	46.92 3.23 0.00	39.73 2.77 0.00	34.65 2.18 0.00	34.06 2.02 0.00	31.93 1.98 0.00	30.57 1.95 0.00	30.55 1.92 0.00	32.30 2.11 0.00	35.56 2.42 0.00	43.14 3.09 -3.72	59.95 3.75 -14.10	48.01 3.05 -10.25	41.62 3.02 -4.33	39.16 2.87 -2.15	36.71 2.69 0.00	33.95 2.44 -0.56	31.45 2.11 0.00
RAVENSWOOD_GT_5 24254	29.53 1.19 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.23 1.13 0.00	39.28 2.43 0.00	46.92 3.23 0.00	39.73 2.77 0.00	34.65 2.18 0.00	34.06 2.02 0.00	31.93 1.98 0.00	30.57 1.95 0.00	30.55 1.92 0.00	32.30 2.11 0.00	35.56 2.42 0.00	43.14 3.09 -3.72	59.95 3.75 -14.10	48.01 3.05 -10.25	41.62 3.02 -4.33	39.16 2.87 -2.15	36.71 2.69 0.00	33.95 2.44 -0.56	31.45 2.11 0.00
RAVENSWOOD_GT_6 24253	29.53 1.19 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.23 1.13 0.00	39.28 2.43 0.00	46.92 3.23 0.00	39.73 2.77 0.00	34.65 2.18 0.00	34.06 2.02 0.00	31.93 1.98 0.00	30.57 1.95 0.00	30.55 1.92 0.00	32.30 2.11 0.00	35.56 2.42 0.00	43.14 3.09 -3.72	59.95 3.75 -14.10	48.01 3.05 -10.25	41.62 3.02 -4.33	39.16 2.87 -2.15	36.71 2.69 0.00	33.95 2.44 -0.56	31.45 2.11 0.00
RAVENSWOOD_GT_7 24255	29.53 1.19 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.23 1.13 0.00	39.28 2.43 0.00	46.92 3.23 0.00	39.73 2.77 0.00	34.65 2.18 0.00	34.06 2.02 0.00	31.93 1.98 0.00	30.57 1.95 0.00	30.55 1.92 0.00	32.30 2.11 0.00	35.56 2.42 0.00	43.14 3.09 -3.72	59.95 3.75 -14.10	48.01 3.05 -10.25	41.62 3.02 -4.33	39.16 2.87 -2.15	36.71 2.69 0.00	33.95 2.44 -0.56	31.45 2.11 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	29.55 1.22 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.23 1.13 0.00	39.28 2.43 0.00	46.92 3.23 0.00	39.73 2.77 0.00	34.65 2.18 0.00	34.06 2.02 0.00	31.93 1.98 0.00	30.57 1.95 0.00	30.55 1.92 0.00	32.30 2.11 0.00	35.60 2.45 0.00	43.17 3.12 -3.72	59.99 3.79 -14.10	48.01 3.05 -10.25	41.62 3.02 -4.33	39.16 2.87 -2.15	36.71 2.69 0.00	33.95 2.44 -0.56	31.48 2.14 0.00
RAVENSWOOD_GT_9 24257	29.55 1.22 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.23 1.13 0.00	39.28 2.43 0.00	46.92 3.23 0.00	39.73 2.77 0.00	34.65 2.18 0.00	34.06 2.02 0.00	31.93 1.98 0.00	30.57 1.95 0.00	30.55 1.92 0.00	32.30 2.11 0.00	35.60 2.45 0.00	43.17 3.12 -3.72	59.99 3.79 -14.10	48.01 3.05 -10.25	41.62 3.02 -4.33	39.16 2.87 -2.15	36.71 2.69 0.00	33.95 2.44 -0.56	31.48 2.14 0.00
RAVENSWOOD___1 23533	29.75 1.42 0.00	28.89 1.25 0.00	28.00 1.18 0.00	28.03 1.15 0.00	28.41 1.07 0.00	30.26 1.17 0.00	39.39 2.54 0.00	46.92 3.23 0.00	39.84 2.88 0.00	34.74 2.27 0.00	34.23 2.18 0.00	32.02 2.07 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.27 0.00	35.80 2.65 0.00	43.28 3.23 -3.72	60.15 3.96 -14.09	48.14 3.19 -10.24	41.76 3.15 -4.32	39.23 2.94 -2.15	36.84 2.82 0.00	34.07 2.57 -0.56	31.60 2.26 0.00
RAVENSWOOD___2 23534	29.75 1.42 0.00	28.89 1.25 0.00	28.00 1.18 0.00	28.00 1.13 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	46.87 3.19 0.00	39.84 2.88 0.00	34.74 2.27 0.00	34.23 2.18 0.00	32.02 2.07 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.43 2.23 0.00	35.80 2.65 0.00	43.25 3.20 -3.72	60.11 3.92 -14.09	48.11 3.16 -10.24	41.76 3.15 -4.32	39.23 2.94 -2.15	36.81 2.79 0.00	34.07 2.57 -0.56	31.60 2.26 0.00
RAVENSWOOD___3 23535	29.70 1.36 0.00	28.83 1.19 0.00	27.97 1.15 0.00	27.97 1.10 0.00	28.38 1.04 0.00	30.26 1.17 0.00	39.39 2.54 0.00	46.87 3.19 0.00	39.77 2.81 0.00	34.68 2.21 0.00	34.16 2.11 0.00	31.96 2.01 0.00	30.60 1.97 0.00	30.58 1.95 0.00	32.37 2.18 0.00	35.73 2.59 0.00	43.17 3.13 -3.72	59.98 3.79 -14.09	48.01 3.06 -10.24	41.65 3.05 -4.32	39.16 2.87 -2.15	36.78 2.75 0.00	33.98 2.48 -0.56	31.51 2.17 0.00



RAVENSWOOD___4 23820	29.75 1.42 0.00	28.86 1.21 0.00	28.00 1.18 0.00	28.00 1.13 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	46.87 3.19 0.00	39.80 2.85 0.00	34.71 2.24 0.00	34.19 2.15 0.00	32.02 2.07 0.00	30.66 2.03 0.00	30.61 1.97 0.00	32.43 2.23 0.00	35.80 2.65 0.00	43.25 3.20 -3.72	60.11 3.92 -14.09	48.11 3.16 -10.24	41.72 3.12 -4.32	39.19 2.90 -2.15	36.81 2.79 0.00	34.04 2.54 -0.56	31.60 2.26 0.00
RCPI_TRUST___DRP 24196	29.53 1.19 0.00	28.77 1.13 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.35 1.01 0.00	30.23 1.13 0.00	39.32 2.47 0.00	46.96 3.28 0.00	39.77 2.81 0.00	34.68 2.21 0.00	34.10 2.05 0.00	31.96 2.01 0.00	30.60 1.98 0.00	30.58 1.95 0.00	32.33 2.14 0.00	35.63 2.49 0.00	43.21 3.16 -3.72	60.03 3.83 -14.10	48.05 3.09 -10.24	41.66 3.05 -4.33	39.19 2.90 -2.15	36.74 2.72 0.00	33.98 2.48 -0.56	31.48 2.14 0.00
RED___ROCHESTER 323720	28.05 -0.28 0.00	27.34 -0.30 0.00	26.45 -0.38 0.00	26.50 -0.38 0.00	26.99 -0.36 0.00	28.78 -0.32 0.00	35.96 -0.88 0.00	42.61 -1.05 0.02	36.11 -0.85 0.00	31.50 -0.97 0.00	30.89 -1.15 0.00	28.70 -1.26 0.00	27.25 -1.37 0.00	27.37 -1.26 0.00	28.74 -1.45 0.00	31.39 -1.76 0.00	35.07 -1.71 -0.44	41.88 -1.94 -1.71	34.51 -1.42 -1.22	33.12 -1.68 -0.51	32.02 -1.91 0.21	30.24 -2.14 1.64	28.42 -2.04 0.48	27.37 -1.97 0.00
REGAN___SOLAR 323812	31.08 2.75 0.00	30.27 2.63 0.00	29.53 2.71 0.00	29.61 2.74 0.00	30.21 2.87 0.00	32.24 3.14 0.00	41.79 4.94 0.00	49.32 5.64 0.00	41.43 4.47 0.00	35.88 3.41 0.00	35.25 3.20 0.00	32.68 2.73 0.00	31.06 2.43 0.00	31.12 2.49 0.00	33.09 2.90 0.00	36.79 3.65 0.00	46.35 4.80 -5.22	67.63 5.73 -19.80	53.86 4.76 -14.39	44.81 4.45 -6.08	41.70 4.54 -3.02	38.38 4.36 0.00	35.38 3.65 -0.79	32.62 3.28 0.00
RENSSELAER___COGEN 23796	28.82 0.48 0.00	28.11 0.47 0.00	27.36 0.54 0.00	27.41 0.54 0.00	27.81 0.46 0.00	29.53 0.44 0.00	37.80 0.96 0.00	44.86 1.18 0.00	37.88 0.92 0.00	32.99 0.52 0.00	32.72 0.67 0.00	30.67 0.72 0.00	29.40 0.77 0.00	29.40 0.77 0.00	31.01 0.82 0.00	34.14 0.99 0.00	42.17 1.24 -4.60	60.95 1.39 -17.46	48.57 1.18 -12.68	40.76 1.13 -5.35	37.90 1.09 -2.67	35.11 1.09 0.00	32.70 1.05 -0.70	30.48 1.14 0.00
REPUBLIC_115KV_BARTNBRK 55605	30.35 2.01 0.00	29.47 1.82 0.00	28.83 2.01 0.00	28.94 2.07 0.00	29.47 2.13 0.00	31.48 2.39 0.00	40.83 3.98 0.00	48.53 4.85 0.00	40.80 3.84 0.00	35.39 2.92 0.00	34.80 2.76 0.00	32.29 2.34 0.00	30.69 2.06 0.00	30.72 2.09 0.00	32.73 2.54 0.00	35.96 2.82 0.00	44.79 3.71 -4.75	64.43 4.29 -18.04	51.42 3.61 -13.10	43.07 3.26 -5.53	40.24 3.35 -2.75	37.15 3.13 0.00	34.36 2.69 -0.72	31.89 2.55 0.00
REVERE_CPPR_DRP 24186	29.38 1.05 0.00	28.72 1.08 0.00	27.81 0.99 0.00	27.84 0.97 0.00	28.35 1.01 0.00	30.32 1.22 0.00	38.80 1.95 0.00	46.00 2.32 0.00	38.77 1.81 0.00	33.77 1.30 0.00	33.13 1.09 0.00	30.73 0.78 0.00	29.37 0.74 0.00	29.32 0.69 0.00	30.95 0.75 0.00	34.14 0.99 0.00	38.05 1.53 -0.19	44.73 1.89 -0.73	36.74 1.49 -0.53	35.95 1.44 -0.23	35.52 1.26 -0.11	35.21 1.19 0.00	31.90 0.93 -0.03	30.19 0.85 0.00
REYNOLDS_115KV_TB3 80639	29.10 0.77 0.00	28.33 0.69 0.00	27.57 0.75 0.00	27.62 0.75 0.00	28.05 0.71 0.00	29.77 0.67 0.00	38.06 1.22 0.00	45.21 1.53 0.00	38.18 1.22 0.00	33.22 0.75 0.00	32.91 0.87 0.00	30.85 0.90 0.00	29.54 0.92 0.00	29.58 0.94 0.00	31.22 1.03 0.00	34.24 1.09 0.00	42.47 1.53 -4.61	61.36 1.77 -17.49	48.87 1.46 -12.70	41.05 1.41 -5.36	38.18 1.37 -2.67	35.35 1.33 0.00	32.94 1.30 -0.70	30.60 1.26 0.00
RIVERBAY____ 323610	30.01 1.67 0.00	29.19 1.55 0.00	28.32 1.50 0.00	28.35 1.48 0.00	28.68 1.34 0.00	30.46 1.37 0.00	39.65 2.80 0.00	47.27 3.58 0.00	40.10 3.14 0.00	34.97 2.50 0.00	34.35 2.31 0.00	32.17 2.22 0.00	30.77 2.15 0.00	30.75 2.12 0.00	32.58 2.39 0.00	35.90 2.75 0.00	43.50 3.45 -3.72	60.41 4.21 -14.10	48.39 3.44 -10.25	41.97 3.36 -4.33	39.40 3.11 -2.15	36.98 2.96 0.00	34.32 2.82 -0.56	31.89 2.55 0.00
RIVERSDE_115KV_TB3 55908	29.07 0.74 0.00	28.30 0.66 0.00	27.57 0.75 0.00	27.62 0.75 0.00	28.05 0.71 0.00	29.68 0.58 0.00	37.95 1.11 0.00	45.08 1.40 0.00	38.07 1.11 0.00	33.15 0.68 0.00	32.85 0.80 0.00	30.79 0.84 0.00	29.48 0.86 0.00	29.52 0.89 0.00	31.16 0.97 0.00	34.14 0.99 0.00	42.37 1.42 -4.62	61.28 1.64 -17.53	48.80 1.35 -12.73	40.96 1.30 -5.38	38.08 1.26 -2.68	35.21 1.19 0.00	32.85 1.21 -0.70	30.57 1.23 0.00
ROARING___BROOK_WT_PWR 323790	28.22 -0.11 0.00	27.56 -0.08 0.00	26.77 -0.05 0.00	26.84 -0.03 0.00	27.34 0.00 0.00	29.07 -0.03 0.00	36.55 -0.30 0.00	43.29 -0.39 0.00	36.62 -0.33 0.00	32.34 -0.13 0.00	31.92 -0.13 0.00	29.78 -0.18 0.00	28.40 -0.23 0.00	28.35 -0.29 0.00	29.80 -0.39 0.00	32.65 -0.50 0.00	35.57 -0.76 0.00	41.05 -1.05 0.00	33.78 -0.94 0.00	33.39 -0.89 0.00	33.25 -0.89 0.00	33.17 -0.85 0.00	30.23 -0.71 0.00	28.63 -0.70 0.00
ROCHESRG_115KV_T4 355643	27.80 -0.54 0.00	27.06 -0.58 0.00	26.15 -0.67 0.00	26.15 -0.73 0.00	26.71 -0.63 0.00	28.49 -0.61 0.00	35.78 -1.07 0.00	42.00 -1.66 0.02	35.74 -1.22 0.00	31.14 -1.33 0.00	30.70 -1.35 0.00	28.43 -1.53 0.00	27.08 -1.55 0.00	27.14 -1.49 0.00	28.47 -1.72 0.00	31.42 -1.72 0.00	34.61 -2.14 -0.42	41.27 -2.48 -1.65	34.00 -1.87 -1.16	32.75 -2.02 -0.49	31.64 -2.29 0.21	30.01 -2.38 1.62	28.18 -2.29 0.47	27.20 -2.14 0.00
ROCHESTER_9_IC 23652	27.97 -0.37 0.00	27.23 -0.41 0.00	26.31 -0.51 0.00	26.28 -0.59 0.00	26.85 -0.49 0.00	28.69 -0.41 0.00	36.04 -0.81 0.00	42.31 -1.35 0.02	36.00 -0.96 0.00	31.33 -1.14 0.00	30.89 -1.15 0.00	28.61 -1.35 0.00	27.25 -1.37 0.00	27.31 -1.32 0.00	28.65 -1.54 0.00	31.62 -1.52 0.00	34.83 -1.93 -0.43	41.57 -2.19 -1.65	34.25 -1.63 -1.17	32.96 -1.82 -0.50	31.84 -2.08 0.22	30.20 -2.18 1.64	28.33 -2.14 0.48	27.34 -1.99 0.00
ROCKVIEW_13_KV_LD 356306	29.61 1.28 0.00	28.83 1.19 0.00	27.97 1.15 0.00	28.03 1.16 0.00	28.41 1.07 0.00	30.32 1.22 0.00	39.35 2.51 0.00	47.00 3.32 0.00	39.77 2.81 0.00	34.68 2.21 0.00	34.13 2.08 0.00	31.96 2.01 0.00	30.60 1.98 0.00	30.58 1.95 0.00	32.33 2.14 0.00	35.60 2.45 0.00	43.25 3.20 -3.72	60.03 3.83 -14.10	48.08 3.12 -10.24	41.69 3.09 -4.33	39.23 2.94 -2.15	36.81 2.79 0.00	34.01 2.51 -0.56	31.54 2.20 0.00
ROME_____115KV_TB2 80656	29.38 1.05 0.00	28.72 1.08 0.00	27.81 0.99 0.00	27.84 0.97 0.00	28.35 1.01 0.00	30.32 1.22 0.00	38.80 1.95 0.00	46.00 2.32 0.00	38.77 1.81 0.00	33.77 1.30 0.00	33.13 1.09 0.00	30.73 0.78 0.00	29.37 0.74 0.00	29.32 0.69 0.00	30.95 0.75 0.00	34.14 0.99 0.00	38.05 1.53 -0.19	44.73 1.89 -0.73	36.74 1.49 -0.53	35.95 1.44 -0.23	35.52 1.26 -0.11	35.21 1.19 0.00	31.90 0.93 -0.03	30.19 0.85 0.00



ROSETON___1 23587	29.41 1.08 0.00	28.58 0.94 0.00	27.73 0.91 0.00	27.76 0.89 0.00	28.19 0.85 0.00	30.09 0.99 0.00	38.95 2.10 0.00	46.26 2.58 0.00	39.18 2.22 0.00	34.12 1.66 0.00	33.65 1.60 0.00	31.51 1.56 0.00	30.17 1.54 0.00	30.18 1.55 0.00	31.91 1.72 0.00	35.20 2.06 0.00	42.55 2.54 -3.68	59.11 3.07 -13.94	47.34 2.50 -10.13	41.03 2.47 -4.28	38.66 2.39 -2.13	36.34 2.31 0.00	33.54 2.04 -0.56	31.16 1.82 0.00
ROSETON___2 23588	29.41 1.08 0.00	28.58 0.94 0.00	27.73 0.91 0.00	27.76 0.89 0.00	28.19 0.85 0.00	30.09 0.99 0.00	38.95 2.10 0.00	46.26 2.58 0.00	39.18 2.22 0.00	34.12 1.66 0.00	33.65 1.60 0.00	31.51 1.56 0.00	30.17 1.54 0.00	30.18 1.55 0.00	31.91 1.72 0.00	35.20 2.06 0.00	42.55 2.54 -3.68	59.11 3.07 -13.94	47.34 2.50 -10.13	41.03 2.47 -4.28	38.66 2.39 -2.13	36.34 2.31 0.00	33.54 2.04 -0.56	31.16 1.82 0.00
ROTTRDAM_115KV_TB3 80664	29.07 0.74 0.00	28.30 0.66 0.00	27.52 0.70 0.00	27.57 0.70 0.00	28.03 0.68 0.00	29.88 0.79 0.00	38.25 1.40 0.00	45.39 1.70 0.00	38.36 1.40 0.00	33.44 0.97 0.00	33.01 0.96 0.00	30.85 0.90 0.00	29.48 0.86 0.00	29.52 0.89 0.00	31.19 1.00 0.00	34.27 1.13 0.00	42.70 1.56 -4.80	62.14 1.81 -18.23	49.44 1.49 -13.24	41.31 1.44 -5.59	38.32 1.40 -2.78	35.35 1.33 0.00	32.88 1.21 -0.73	30.42 1.09 0.00
RUSSELL___1 23602	28.11 -0.23 0.00	27.37 -0.28 0.00	26.42 -0.40 0.00	26.41 -0.46 0.00	26.99 -0.36 0.00	28.84 -0.26 0.00	36.22 -0.63 0.00	42.53 -1.14 0.02	36.22 -0.74 0.00	31.50 -0.97 0.00	31.08 -0.96 0.00	28.76 -1.20 0.00	27.37 -1.26 0.00	27.46 -1.17 0.00	28.80 -1.39 0.00	31.82 -1.33 0.00	35.05 -1.71 -0.43	41.82 -1.94 -1.65	34.43 -1.46 -1.17	33.13 -1.65 -0.50	32.01 -1.91 0.22	30.34 -2.04 1.64	28.48 -1.98 0.48	27.46 -1.88 0.00
RUSSELL___2 23532	28.11 -0.23 0.00	27.37 -0.28 0.00	26.42 -0.40 0.00	26.41 -0.46 0.00	26.99 -0.36 0.00	28.84 -0.26 0.00	36.22 -0.63 0.00	42.53 -1.14 0.02	36.22 -0.74 0.00	31.50 -0.97 0.00	31.08 -0.96 0.00	28.76 -1.20 0.00	27.37 -1.26 0.00	27.46 -1.17 0.00	28.80 -1.39 0.00	31.82 -1.33 0.00	35.05 -1.71 -0.43	41.82 -1.94 -1.65	34.43 -1.46 -1.17	33.13 -1.65 -0.50	32.01 -1.91 0.22	30.34 -2.04 1.64	28.48 -1.98 0.48	27.46 -1.88 0.00
RUSSELL___3 23549	28.11 -0.23 0.00	27.37 -0.28 0.00	26.42 -0.40 0.00	26.41 -0.46 0.00	26.99 -0.36 0.00	28.84 -0.26 0.00	36.22 -0.63 0.00	42.53 -1.14 0.02	36.22 -0.74 0.00	31.50 -0.97 0.00	31.08 -0.96 0.00	28.76 -1.20 0.00	27.37 -1.26 0.00	27.46 -1.17 0.00	28.80 -1.39 0.00	31.82 -1.33 0.00	35.05 -1.71 -0.43	41.82 -1.94 -1.65	34.43 -1.46 -1.17	33.13 -1.65 -0.50	32.01 -1.91 0.22	30.34 -2.04 1.64	28.48 -1.98 0.48	27.46 -1.88 0.00
RUSSELL___4 23556	28.11 -0.23 0.00	27.37 -0.28 0.00	26.42 -0.40 0.00	26.41 -0.46 0.00	26.99 -0.36 0.00	28.84 -0.26 0.00	36.22 -0.63 0.00	42.53 -1.14 0.02	36.22 -0.74 0.00	31.50 -0.97 0.00	31.08 -0.96 0.00	28.76 -1.20 0.00	27.37 -1.26 0.00	27.46 -1.17 0.00	28.80 -1.39 0.00	31.82 -1.33 0.00	35.05 -1.71 -0.43	41.82 -1.94 -1.65	34.43 -1.46 -1.17	33.13 -1.65 -0.50	32.01 -1.91 0.22	30.34 -2.04 1.64	28.48 -1.98 0.48	27.46 -1.88 0.00
RUSSELL___STATION 23914	28.11 -0.23 0.00	27.37 -0.28 0.00	26.42 -0.40 0.00	26.41 -0.46 0.00	26.99 -0.36 0.00	28.84 -0.26 0.00	36.22 -0.63 0.00	42.53 -1.14 0.02	36.22 -0.74 0.00	31.50 -0.97 0.00	31.08 -0.96 0.00	28.76 -1.20 0.00	27.37 -1.26 0.00	27.46 -1.17 0.00	28.80 -1.39 0.00	31.82 -1.33 0.00	35.05 -1.71 -0.43	41.82 -1.94 -1.65	34.43 -1.46 -1.17	33.13 -1.65 -0.50	32.01 -1.91 0.22	30.34 -2.04 1.64	28.48 -1.98 0.48	27.46 -1.88 0.00
S SALMON___HYD 24043	27.85 -0.48 0.00	27.23 -0.41 0.00	26.37 -0.46 0.00	26.41 -0.46 0.00	26.88 -0.46 0.00	28.60 -0.49 0.00	36.33 -0.52 0.00	43.21 -0.48 -0.01	36.44 -0.52 0.00	31.82 -0.65 0.00	31.31 -0.74 0.00	29.15 -0.81 0.00	27.82 -0.80 0.00	27.86 -0.77 0.00	29.35 -0.85 0.00	32.25 -0.89 0.00	35.92 -0.69 -0.27	42.43 -0.72 -1.04	34.91 -0.56 -0.76	33.98 -0.62 -0.32	33.55 -0.75 -0.16	33.24 -0.78 0.00	30.21 -0.77 -0.04	28.57 -0.76 0.00
S.PERRY___115KV_TB1 80734	29.61 1.28 0.00	28.83 1.19 0.00	27.89 1.07 0.00	27.87 0.99 0.00	28.49 1.15 0.00	30.58 1.48 0.00	38.88 2.03 0.00	45.67 1.97 -0.02	38.81 1.85 0.00	33.70 1.23 0.00	32.94 0.90 0.00	30.41 0.45 0.00	28.88 0.26 0.00	28.89 0.26 0.00	30.40 0.21 0.00	33.68 0.53 0.00	37.46 0.44 -0.69	45.41 0.67 -2.63	37.18 0.56 -1.91	35.33 0.24 -0.81	34.62 -0.07 -0.55	34.22 -0.31 -0.50	30.57 -0.65 -0.28	28.90 -0.44 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	27.71 -0.62 0.00	26.95 -0.69 0.00	25.96 -0.86 0.00	26.01 -0.86 0.00	26.60 -0.74 0.00	28.31 -0.79 0.00	35.15 -1.70 0.00	40.17 -3.49 0.01	34.81 -2.14 0.00	30.26 -2.21 0.00	29.83 -2.21 0.00	27.53 -2.43 0.00	26.28 -2.35 0.00	26.31 -2.32 0.00	27.50 -2.69 0.00	30.29 -2.85 0.00	32.50 -4.18 -0.35	38.63 -4.88 -1.41	31.86 -3.78 -0.94	30.77 -3.91 -0.40	29.62 -4.27 0.25	27.94 -4.35 1.73	26.37 -4.08 0.49	26.05 -3.29 0.00
SAWYER___23_KV_LOAD 55526	27.71 -0.62 0.00	26.95 -0.69 0.00	25.96 -0.86 0.00	26.01 -0.86 0.00	26.60 -0.74 0.00	28.31 -0.79 0.00	35.15 -1.70 0.00	40.17 -3.49 0.01	34.81 -2.14 0.00	30.26 -2.21 0.00	29.83 -2.21 0.00	27.53 -2.43 0.00	26.28 -2.35 0.00	26.31 -2.32 0.00	27.50 -2.69 0.00	30.29 -2.85 0.00	32.50 -4.18 -0.35	38.63 -4.88 -1.41	31.86 -3.78 -0.94	30.77 -3.91 -0.40	29.62 -4.27 0.25	27.94 -4.35 1.73	26.37 -4.08 0.49	26.05 -3.29 0.00
SELKIRK___I 23801	29.10 0.77 0.00	28.39 0.75 0.00	27.63 0.80 0.00	27.68 0.81 0.00	28.11 0.76 0.00	29.85 0.76 0.00	38.17 1.32 0.00	45.25 1.57 0.00	38.25 1.29 0.00	33.31 0.84 0.00	32.97 0.93 0.00	30.85 0.90 0.00	29.51 0.89 0.00	29.55 0.92 0.00	31.19 0.99 0.00	34.34 1.19 0.00	42.36 1.49 -4.54	61.00 1.69 -17.21	48.64 1.42 -12.50	40.93 1.37 -5.28	38.14 1.37 -2.63	35.35 1.33 0.00	32.87 1.24 -0.69	30.60 1.26 0.00
SELKIRK___II 23799	28.90 0.57 0.00	28.17 0.52 0.00	27.39 0.56 0.00	27.46 0.59 0.00	27.89 0.55 0.00	29.62 0.52 0.00	37.92 1.07 0.00	44.99 1.31 0.00	38.03 1.07 0.00	33.12 0.65 0.00	32.81 0.77 0.00	30.73 0.78 0.00	29.40 0.77 0.00	29.43 0.80 0.00	31.04 0.84 0.00	34.17 1.03 0.00	42.22 1.31 -4.58	61.01 1.51 -17.40	48.59 1.25 -12.63	40.85 1.23 -5.33	37.99 1.19 -2.66	35.18 1.16 0.00	32.72 1.08 -0.70	30.45 1.11 0.00
SENECA OSWGO___HYD 24041	27.71 -0.62 0.00	27.06 -0.58 0.00	26.23 -0.59 0.00	26.25 -0.62 0.00	26.74 -0.60 0.00	28.48 -0.61 0.00	36.19 -0.66 0.00	43.04 -0.65 -0.01	36.33 -0.63 0.00	31.76 -0.71 0.00	31.25 -0.80 0.00	29.12 -0.84 0.00	27.82 -0.80 0.00	27.86 -0.77 0.00	29.38 -0.81 0.00	32.25 -0.89 0.00	35.88 -0.76 -0.31	42.43 -0.84 -1.17	34.90 -0.66 -0.85	33.88 -0.75 -0.36	33.47 -0.85 -0.18	33.07 -0.95 0.00	30.06 -0.93 -0.05	28.46 -0.88 0.00



SENECA___115KV_TB3 355854	28.17 -0.17 0.00	27.37 -0.28 0.00	26.39 -0.43 0.00	26.44 -0.43 0.00	27.07 -0.27 0.00	28.81 -0.29 0.00	35.82 -1.03 0.00	40.66 -3.01 0.01	35.41 -1.55 0.00	30.75 -1.72 0.00	30.31 -1.73 0.00	27.95 -2.01 0.00	26.65 -1.98 0.00	26.71 -1.92 0.00	27.90 -2.29 0.00	30.73 -2.42 0.00	32.82 -3.89 -0.38	39.11 -4.51 -1.52	32.16 -3.58 -1.02	31.05 -3.67 -0.44	29.91 -4.03 0.21	28.29 -4.12 1.61	26.56 -3.93 0.45	26.37 -2.96 0.00
SENECA___ENERGY 23797	28.62 0.28 0.00	27.95 0.30 0.00	27.06 0.24 0.00	27.09 0.21 0.00	27.64 0.30 0.00	29.59 0.49 0.00	37.47 0.63 0.00	44.52 0.74 -0.09	37.51 0.56 0.00	32.79 0.32 0.00	32.14 0.10 0.00	29.84 -0.12 0.00	28.43 -0.20 0.00	28.46 -0.17 0.00	29.98 -0.21 0.00	32.85 -0.30 0.00	36.78 -0.04 -0.49	43.95 0.00 -1.85	36.19 0.14 -1.34	34.81 -0.03 -0.57	35.48 -0.27 -1.61	38.05 -0.55 -4.58	31.91 -0.65 -1.62	28.78 -0.56 0.00
SHOEMAKER___GT 23640	29.27 0.93 0.00	28.47 0.83 0.00	27.63 0.80 0.00	27.65 0.78 0.00	28.08 0.74 0.00	29.97 0.87 0.00	38.65 1.81 0.00	45.82 2.14 0.00	38.81 1.85 0.00	33.83 1.36 0.00	33.33 1.28 0.00	31.21 1.26 0.00	29.83 1.20 0.00	29.83 1.20 0.00	31.55 1.36 0.00	34.80 1.66 0.00	41.82 2.11 -3.38	57.50 2.57 -12.83	46.16 2.12 -9.33	40.27 2.06 -3.94	38.08 1.98 -1.96	35.89 1.87 0.00	33.12 1.67 -0.51	30.86 1.52 0.00
SHOEMAKR_138KV_BK 111 55601	29.19 0.85 0.00	28.42 0.77 0.00	27.57 0.75 0.00	27.62 0.75 0.00	28.05 0.71 0.00	29.94 0.84 0.00	38.62 1.77 0.00	45.87 2.18 0.00	38.77 1.81 0.00	33.83 1.36 0.00	33.29 1.25 0.00	31.21 1.26 0.00	29.83 1.20 0.00	29.83 1.20 0.00	31.55 1.36 0.00	34.70 1.56 0.00	41.80 2.11 -3.36	57.43 2.57 -12.76	46.10 2.12 -9.27	40.29 2.09 -3.91	38.07 1.98 -1.94	35.86 1.84 0.00	33.12 1.67 -0.51	30.83 1.50 0.00
SHOREHAM_IC_1 23715	39.95 3.20 -8.41	34.77 3.01 -4.11	34.06 2.90 -4.34	33.69 2.85 -3.97	35.18 2.87 -4.96	41.13 3.17 -8.86	48.11 5.09 -6.17	58.64 6.12 -8.84	50.44 4.99 -8.49	41.46 3.86 -5.13	43.22 3.75 -7.43	40.60 3.56 -7.08	38.90 3.61 -6.66	42.48 3.55 -10.30	44.50 3.80 -10.50	54.41 4.31 -16.96	67.69 5.05 -26.31	86.84 6.06 -38.67	70.79 4.96 -31.12	66.94 4.90 -27.76	65.30 4.85 -26.31	56.63 4.80 -17.81	52.86 4.30 -17.62	44.08 3.84 -10.90
SHOREHAM_IC_2 23716	39.95 3.20 -8.41	34.77 3.01 -4.11	34.06 2.90 -4.34	33.69 2.85 -3.97	35.18 2.87 -4.96	41.13 3.17 -8.86	48.11 5.09 -6.17	58.64 6.12 -8.84	50.44 4.99 -8.49	41.46 3.86 -5.13	43.22 3.75 -7.43	40.60 3.56 -7.08	38.90 3.61 -6.66	42.48 3.55 -10.30	44.50 3.80 -10.50	54.41 4.31 -16.96	67.69 5.05 -26.31	86.84 6.06 -38.67	70.79 4.96 -31.12	66.94 4.90 -27.76	65.30 4.85 -26.31	56.63 4.80 -17.81	52.86 4.30 -17.62	44.08 3.84 -10.90
SISSONVILLE____ 23735	28.48 0.14 0.00	27.83 0.19 0.00	27.04 0.21 0.00	27.09 0.21 0.00	27.56 0.22 0.00	28.95 -0.15 0.00	35.67 -1.18 0.00	42.29 -1.40 0.00	35.78 -1.18 0.00	31.76 -0.71 0.00	31.50 -0.54 0.00	29.51 -0.45 0.00	28.20 -0.43 0.00	28.14 -0.49 0.00	29.62 -0.57 0.00	32.32 -0.83 0.00	35.02 -1.31 0.00	40.55 -1.56 0.00	33.39 -1.32 0.00	33.01 -1.27 0.00	33.15 -0.99 0.00	33.37 -0.65 0.00	30.45 -0.50 0.00	29.01 -0.32 0.00
SITHE_IND_GS1 24169	27.32 -1.02 0.00	26.67 -0.97 0.00	25.88 -0.94 0.00	25.91 -0.97 0.00	26.38 -0.96 0.00	28.05 -1.05 0.00	35.56 -1.29 0.00	42.24 -1.44 0.00	35.70 -1.26 0.00	31.27 -1.20 0.00	30.79 -1.25 0.00	28.76 -1.20 0.00	27.45 -1.17 0.00	27.49 -1.15 0.00	28.95 -1.24 0.00	31.78 -1.36 0.00	35.18 -1.38 -0.23	41.42 -1.56 -0.87	34.10 -1.25 -0.63	33.24 -1.30 -0.27	32.87 -1.40 -0.13	32.56 -1.46 0.00	29.65 -1.33 -0.04	28.08 -1.26 0.00
SITHE_IND_GS2 24170	27.32 -1.02 0.00	26.67 -0.97 0.00	25.88 -0.94 0.00	25.91 -0.97 0.00	26.38 -0.96 0.00	28.05 -1.05 0.00	35.56 -1.29 0.00	42.24 -1.44 0.00	35.70 -1.26 0.00	31.27 -1.20 0.00	30.79 -1.25 0.00	28.76 -1.20 0.00	27.45 -1.17 0.00	27.49 -1.15 0.00	28.95 -1.24 0.00	31.78 -1.36 0.00	35.18 -1.38 -0.23	41.42 -1.56 -0.87	34.10 -1.25 -0.63	33.24 -1.30 -0.27	32.87 -1.40 -0.13	32.56 -1.46 0.00	29.65 -1.33 -0.04	28.08 -1.26 0.00
SITHE_IND_GS3 24171	27.32 -1.02 0.00	26.67 -0.97 0.00	25.88 -0.94 0.00	25.91 -0.97 0.00	26.38 -0.96 0.00	28.05 -1.05 0.00	35.56 -1.29 0.00	42.24 -1.44 0.00	35.70 -1.26 0.00	31.27 -1.20 0.00	30.79 -1.25 0.00	28.76 -1.20 0.00	27.45 -1.17 0.00	27.49 -1.15 0.00	28.95 -1.24 0.00	31.78 -1.36 0.00	35.18 -1.38 -0.23	41.42 -1.56 -0.87	34.10 -1.25 -0.63	33.24 -1.30 -0.27	32.87 -1.40 -0.13	32.56 -1.46 0.00	29.65 -1.33 -0.04	28.08 -1.26 0.00
SITHE_IND_GS4 24172	27.32 -1.02 0.00	26.67 -0.97 0.00	25.88 -0.94 0.00	25.91 -0.97 0.00	26.38 -0.96 0.00	28.05 -1.05 0.00	35.56 -1.29 0.00	42.24 -1.44 0.00	35.70 -1.26 0.00	31.27 -1.20 0.00	30.79 -1.25 0.00	28.76 -1.20 0.00	27.45 -1.17 0.00	27.49 -1.15 0.00	28.95 -1.24 0.00	31.78 -1.36 0.00	35.18 -1.38 -0.23	41.42 -1.56 -0.87	34.10 -1.25 -0.63	33.24 -1.30 -0.27	32.87 -1.40 -0.13	32.56 -1.46 0.00	29.65 -1.33 -0.04	28.08 -1.26 0.00
SITHE___BATAVIA 24024	28.25 -0.08 0.00	27.53 -0.11 0.00	26.61 -0.22 0.00	26.71 -0.16 0.00	27.21 -0.14 0.00	28.98 -0.12 0.00	35.89 -0.96 0.00	42.62 -1.05 0.02	36.18 -0.78 0.00	31.40 -1.07 0.00	30.67 -1.38 0.00	28.40 -1.56 0.00	26.91 -1.72 0.00	27.06 -1.57 0.00	28.38 -1.81 0.00	30.66 -2.49 0.00	34.46 -2.29 -0.41	40.57 -3.12 -1.58	33.39 -2.39 -1.08	32.10 -2.64 -0.46	30.90 -3.00 0.23	29.04 -3.27 1.72	27.36 -3.09 0.49	26.73 -2.61 0.00
SITHE___INDEPEND 23800	27.32 -1.02 0.00	26.67 -0.97 0.00	25.88 -0.94 0.00	25.90 -0.97 0.00	26.39 -0.96 0.00	28.08 -1.02 0.00	35.60 -1.25 0.00	42.24 -1.44 0.00	35.70 -1.26 0.00	31.27 -1.20 0.00	30.83 -1.22 0.00	28.76 -1.20 0.00	27.48 -1.15 0.00	27.49 -1.15 0.00	28.98 -1.21 0.00	31.85 -1.29 0.00	35.18 -1.38 -0.23	41.41 -1.56 -0.86	34.06 -1.28 -0.63	33.24 -1.30 -0.26	32.87 -1.40 -0.13	32.59 -1.43 0.00	29.65 -1.33 -0.03	28.08 -1.26 0.00
SITHE___MASSENA 23902	28.65 0.31 0.00	27.97 0.33 0.00	27.14 0.32 0.00	27.22 0.35 0.00	27.75 0.41 0.00	29.39 0.29 0.00	36.41 -0.44 0.00	43.07 -0.61 0.00	36.48 -0.48 0.00	32.37 -0.10 0.00	32.04 0.00 0.00	30.05 0.09 0.00	28.71 0.09 0.00	28.69 0.06 0.00	30.19 0.00 0.00	32.91 -0.23 0.00	35.75 -0.58 0.00	41.39 -0.72 0.00	34.09 -0.62 0.00	33.73 -0.55 0.00	33.73 -0.41 0.00	33.75 -0.27 0.00	30.85 -0.09 0.00	29.28 -0.06 0.00
SITHE___OGDNSBRG 24021	29.04 0.71 0.00	28.42 0.77 0.00	27.55 0.72 0.00	27.60 0.73 0.00	28.14 0.79 0.00	29.74 0.64 0.00	36.77 -0.07 0.00	43.55 -0.13 0.00	36.85 -0.11 0.00	32.76 0.29 0.00	32.37 0.32 0.00	30.29 0.33 0.00	28.97 0.34 0.00	28.89 0.26 0.00	30.40 0.21 0.00	33.21 0.07 0.00	36.11 -0.22 0.00	41.89 -0.21 0.00	34.47 -0.24 0.00	34.11 -0.17 0.00	34.14 0.00 0.00	34.22 0.20 0.00	31.10 0.15 0.00	29.66 0.32 0.00



SITHE___STERLING 23777	29.16 0.82 0.00	28.50 0.86 0.00	27.63 0.80 0.00	27.65 0.78 0.00	28.16 0.82 0.00	30.11 1.02 0.00	38.43 1.58 0.00	45.65 1.97 0.00	38.47 1.52 0.00	33.54 1.07 0.00	32.94 0.90 0.00	30.61 0.66 0.00	29.25 0.63 0.00	29.23 0.60 0.00	30.83 0.64 0.00	33.94 0.79 0.00	37.83 1.27 -0.23	44.52 1.56 -0.86	36.55 1.21 -0.62	35.71 1.17 -0.26	35.26 0.99 -0.13	34.94 0.92 0.00	31.66 0.68 -0.03	29.98 0.64 0.00
SLEIGHT__34_KV_TB1 80719	28.05 -0.28 0.00	27.31 -0.33 0.00	26.42 -0.40 0.00	26.39 -0.48 0.00	26.96 -0.38 0.00	28.86 -0.23 0.00	36.48 -0.37 0.00	43.14 -0.52 0.02	36.55 -0.41 0.00	31.85 -0.62 0.00	31.37 -0.67 0.00	29.03 -0.93 0.00	27.65 -0.97 0.00	27.72 -0.92 0.00	29.13 -1.06 0.00	32.18 -0.96 0.00	35.67 -1.09 -0.43	42.58 -1.18 -1.65	35.02 -0.87 -1.18	33.75 -1.03 -0.50	32.62 -1.30 0.23	30.92 -1.43 1.67	29.00 -1.45 0.49	27.93 -1.41 0.00
SOUTH CAIRO___GT 23612	30.06 1.73 0.00	29.30 1.66 0.00	28.51 1.69 0.00	28.59 1.72 0.00	29.07 1.72 0.00	30.90 1.80 0.00	39.58 2.73 0.00	46.39 2.71 0.00	39.06 2.11 0.00	33.96 1.49 0.00	33.42 1.38 0.00	31.21 1.26 0.00	29.74 1.12 0.00	29.78 1.15 0.00	31.64 1.45 0.00	34.97 1.82 0.00	43.07 2.36 -4.38	61.46 2.74 -16.62	49.31 2.53 -12.07	41.74 2.36 -5.10	38.97 2.29 -2.54	36.13 2.11 0.00	33.56 1.95 -0.67	31.45 2.11 0.00
SOUTH HAMPTN___IC 23720	40.52 3.77 -8.42	35.32 3.57 -4.11	34.60 3.43 -4.34	34.23 3.39 -3.97	35.70 3.39 -4.97	41.72 3.75 -8.86	48.89 5.86 -6.18	59.56 7.03 -8.84	51.22 5.76 -8.50	42.08 4.48 -5.13	43.83 4.36 -7.43	41.15 4.10 -7.09	39.36 4.06 -6.67	42.97 4.04 -10.30	45.04 4.35 -10.50	55.05 4.94 -16.97	68.50 5.85 -26.32	87.78 7.03 -38.65	71.57 5.76 -31.10	67.71 5.69 -27.73	66.03 5.57 -26.32	57.35 5.51 -17.82	53.45 4.89 -17.62	44.65 4.40 -10.91
SOUTHDOW_115KV_TB1 355954	29.50 1.16 0.00	28.64 1.00 0.00	27.63 0.80 0.00	27.70 0.83 0.00	28.38 1.04 0.00	30.29 1.19 0.00	37.95 1.11 0.00	42.80 -0.87 0.01	37.36 0.41 0.00	32.37 -0.10 0.00	31.88 -0.16 0.00	29.39 -0.57 0.00	27.85 -0.77 0.00	27.89 -0.74 0.00	29.13 -1.06 0.00	32.02 -1.13 0.00	34.17 -2.62 -0.45	40.89 -2.95 -1.74	33.44 -2.50 -1.23	32.13 -2.67 -0.52	31.03 -3.00 0.11	29.59 -3.10 1.33	27.42 -3.16 0.36	27.43 -1.91 0.00
SOUTHOLD_69_KV_BK 2 55809	40.52 3.77 -8.42	35.49 3.73 -4.11	34.87 3.70 -4.34	34.55 3.71 -3.97	35.97 3.66 -4.97	41.83 3.87 -8.86	49.25 6.23 -6.18	60.17 7.64 -8.84	51.74 6.28 -8.50	42.24 4.64 -5.13	44.06 4.58 -7.43	41.26 4.22 -7.09	39.44 4.15 -6.67	43.17 4.24 -10.30	45.28 4.59 -10.50	55.41 5.30 -16.97	69.12 6.47 -26.32	88.51 7.75 -38.66	72.17 6.35 -31.10	68.26 6.24 -27.74	66.51 6.04 -26.32	57.62 5.78 -17.82	53.67 5.11 -17.62	44.91 4.66 -10.91
SOUTHOLD___IC 23719	40.92 4.17 -8.42	35.71 3.95 -4.11	35.00 3.84 -4.34	34.60 3.76 -3.97	36.08 3.77 -4.97	42.12 4.16 -8.86	49.44 6.41 -6.18	60.22 7.69 -8.84	51.81 6.36 -8.50	42.53 4.93 -5.13	44.25 4.78 -7.43	41.53 4.49 -7.09	39.70 4.41 -6.67	43.34 4.41 -10.30	45.44 4.74 -10.50	55.52 5.40 -16.97	69.12 6.47 -26.32	88.54 7.79 -38.65	72.23 6.42 -31.10	68.32 6.31 -27.73	66.61 6.14 -26.32	57.89 6.06 -17.82	53.89 5.32 -17.62	45.06 4.81 -10.91
SOUTH_FORK_WT_PWR 323839	41.03 4.28 -8.42	35.82 4.06 -4.11	35.11 3.94 -4.34	34.71 3.87 -3.97	36.19 3.88 -4.97	42.24 4.28 -8.86	49.58 6.56 -6.18	60.39 7.86 -8.84	51.92 6.47 -8.50	42.63 5.03 -5.13	44.34 4.87 -7.43	41.62 4.58 -7.09	39.79 4.49 -6.67	43.43 4.50 -10.30	45.52 4.83 -10.50	55.61 5.50 -16.97	69.23 6.58 -26.32	88.71 7.96 -38.65	72.33 6.52 -31.10	68.42 6.41 -27.73	66.75 6.28 -26.32	58.03 6.19 -17.82	54.01 5.45 -17.62	45.15 4.90 -10.91
SPIERFLS_115KV_TB 1 80737	29.04 0.71 0.00	28.25 0.61 0.00	27.55 0.72 0.00	27.62 0.75 0.00	28.11 0.77 0.00	29.97 0.87 0.00	38.62 1.77 0.00	45.95 2.27 0.00	38.70 1.74 0.00	33.64 1.17 0.00	33.13 1.09 0.00	30.91 0.96 0.00	29.48 0.86 0.00	29.49 0.86 0.00	31.28 1.09 0.00	34.24 1.09 0.00	42.76 1.67 -4.76	62.05 1.89 -18.06	49.42 1.60 -13.11	41.22 1.41 -5.54	38.33 1.43 -2.76	35.48 1.46 0.00	32.94 1.27 -0.73	30.57 1.23 0.00
ST LAWRENCE____ 23600	28.25 -0.08 0.00	27.59 -0.06 0.00	26.79 -0.03 0.00	26.84 -0.03 0.00	27.37 0.03 0.00	29.01 -0.09 0.00	36.07 -0.78 0.00	42.68 -1.00 0.00	36.14 -0.81 0.00	32.14 -0.32 0.00	31.79 -0.26 0.00	29.75 -0.21 0.00	28.43 -0.20 0.00	28.40 -0.23 0.00	29.89 -0.30 0.00	32.68 -0.46 0.00	35.53 -0.80 0.00	41.05 -1.05 0.00	33.85 -0.87 0.00	33.49 -0.79 0.00	33.49 -0.65 0.00	33.48 -0.55 0.00	30.54 -0.40 0.00	28.99 -0.35 0.00
STATE_CA_115KV_115_LB 55624	29.10 0.77 0.00	28.36 0.72 0.00	27.63 0.80 0.00	27.68 0.81 0.00	28.11 0.77 0.00	29.71 0.61 0.00	37.95 1.11 0.00	45.12 1.44 0.00	38.10 1.15 0.00	33.18 0.71 0.00	32.88 0.83 0.00	30.85 0.90 0.00	29.54 0.92 0.00	29.55 0.92 0.00	31.19 1.00 0.00	34.17 1.03 0.00	42.44 1.45 -4.65	61.39 1.64 -17.65	48.91 1.39 -12.81	40.99 1.30 -5.41	38.13 1.30 -2.69	35.21 1.19 0.00	32.86 1.21 -0.71	30.60 1.26 0.00
STATE_ST_34_KV_LOAD 55959	28.85 0.51 0.00	28.14 0.50 0.00	27.25 0.43 0.00	27.25 0.38 0.00	27.81 0.46 0.00	29.77 0.67 0.00	37.92 1.07 0.00	44.99 1.27 -0.04	37.96 1.00 0.00	33.12 0.65 0.00	32.56 0.51 0.00	30.23 0.27 0.00	28.83 0.20 0.00	28.86 0.23 0.00	30.37 0.18 0.00	33.51 0.36 0.00	37.32 0.51 -0.48	44.59 0.67 -1.81	36.69 0.66 -1.32	35.35 0.51 -0.56	35.24 0.27 -0.82	36.04 0.14 -1.88	31.56 -0.09 -0.71	29.28 -0.06 0.00
STATION 5_MISC_HYD 23604	27.91 -0.42 0.00	27.20 -0.44 0.00	26.31 -0.51 0.00	26.39 -0.48 0.00	26.88 -0.46 0.00	28.66 -0.44 0.00	35.78 -1.07 0.00	42.39 -1.27 0.02	35.92 -1.03 0.00	31.33 -1.14 0.00	30.73 -1.32 0.00	28.55 -1.41 0.00	27.14 -1.49 0.00	27.23 -1.40 0.00	28.62 -1.57 0.00	31.22 -1.92 0.00	34.88 -1.89 -0.44	41.67 -2.15 -1.71	34.30 -1.63 -1.22	32.94 -1.85 -0.51	31.85 -2.08 0.21	30.07 -2.31 1.64	28.27 -2.20 0.48	27.25 -2.08 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	28.51 0.17 0.00	27.75 0.11 0.00	26.85 0.03 0.00	26.82 -0.05 0.00	27.40 0.05 0.00	29.33 0.23 0.00	37.11 0.26 0.00	43.67 0.04 0.06	37.07 0.11 0.00	32.31 -0.16 0.00	31.79 -0.26 0.00	29.45 -0.51 0.00	28.02 -0.60 0.00	28.09 -0.54 0.00	29.53 -0.66 0.00	32.61 -0.53 0.00	36.12 -0.65 -0.44	43.08 -0.72 -1.69	35.47 -0.45 -1.21	34.14 -0.65 -0.51	32.52 -0.89 0.73	29.54 -1.05 3.43	28.71 -1.14 1.09	28.25 -1.09 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	27.83 -0.51 0.00	27.09 -0.55 0.00	26.18 -0.64 0.00	26.15 -0.73 0.00	26.71 -0.63 0.00	28.54 -0.55 0.00	35.89 -0.96 0.00	42.21 -1.44 0.03	35.89 -1.07 0.00	31.27 -1.20 0.00	30.83 -1.22 0.00	28.55 -1.41 0.00	27.19 -1.43 0.00	27.26 -1.37 0.00	28.59 -1.60 0.00	31.59 -1.56 0.00	34.83 -1.93 -0.42	41.56 -2.19 -1.64	34.22 -1.67 -1.17	32.96 -1.82 -0.49	31.75 -2.08 0.31	29.85 -2.21 1.96	28.22 -2.14 0.59	27.31 -2.02 0.00



STA_56___34_KV_BUS2 355983	27.83 -0.51 0.00	27.09 -0.55 0.00	26.18 -0.64 0.00	26.15 -0.73 0.00	26.71 -0.63 0.00	28.54 -0.55 0.00	35.89 -0.96 0.00	42.21 -1.44 0.03	35.89 -1.07 0.00	31.27 -1.20 0.00	30.83 -1.22 0.00	28.55 -1.41 0.00	27.19 -1.43 0.00	27.26 -1.37 0.00	28.59 -1.60 0.00	31.59 -1.56 0.00	34.83 -1.93 -0.42	41.56 -2.19 -1.64	34.22 -1.67 -1.17	32.96 -1.82 -0.49	31.75 -2.08 0.31	29.85 -2.21 1.96	28.22 -2.14 0.59	27.31 -2.02 0.00
STA_67___115KV_BK2 355882	27.91 -0.43 0.00	27.17 -0.47 0.00	26.23 -0.59 0.00	26.23 -0.64 0.00	26.80 -0.55 0.00	28.60 -0.49 0.00	35.93 -0.92 0.00	42.18 -1.49 0.02	35.89 -1.07 0.00	31.27 -1.20 0.00	30.83 -1.22 0.00	28.55 -1.41 0.00	27.19 -1.43 0.00	27.26 -1.37 0.00	28.59 -1.60 0.00	31.55 -1.59 0.00	34.76 -2.00 -0.42	41.48 -2.27 -1.65	34.15 -1.74 -1.17	32.89 -1.89 -0.49	31.77 -2.15 0.22	30.10 -2.28 1.64	28.30 -2.17 0.48	27.28 -2.05 0.00
STA_7___115KV_9TRANS 80674	28.11 -0.23 0.00	27.37 -0.28 0.00	26.42 -0.40 0.00	26.41 -0.46 0.00	26.99 -0.36 0.00	28.84 -0.26 0.00	36.22 -0.63 0.00	42.53 -1.14 0.02	36.22 -0.74 0.00	31.50 -0.97 0.00	31.08 -0.96 0.00	28.76 -1.20 0.00	27.37 -1.26 0.00	27.46 -1.17 0.00	28.80 -1.39 0.00	31.82 -1.33 0.00	35.05 -1.71 -0.43	41.82 -1.94 -1.65	34.43 -1.46 -1.17	33.13 -1.65 -0.50	32.01 -1.91 0.22	30.34 -2.04 1.64	28.48 -1.98 0.48	27.46 -1.88 0.00
STA_82___115KV_TB1 80780	27.94 -0.40 0.00	27.20 -0.44 0.00	26.26 -0.56 0.00	26.25 -0.62 0.00	26.82 -0.52 0.00	28.63 -0.47 0.00	35.96 -0.88 0.00	42.22 -1.44 0.02	35.92 -1.03 0.00	31.30 -1.17 0.00	30.86 -1.19 0.00	28.55 -1.41 0.00	27.19 -1.43 0.00	27.26 -1.37 0.00	28.62 -1.57 0.00	31.59 -1.56 0.00	34.80 -1.96 -0.43	41.53 -2.23 -1.65	34.19 -1.70 -1.18	32.93 -1.85 -0.50	31.80 -2.12 0.22	30.12 -2.25 1.66	28.29 -2.17 0.49	27.31 -2.02 0.00
STEEL___WIND 323596	28.05 -0.28 0.00	27.34 -0.30 0.00	26.39 -0.43 0.00	26.58 -0.29 0.00	27.07 -0.27 0.00	28.75 -0.35 0.00	35.41 -1.44 0.00	40.83 -2.84 0.01	35.26 -1.70 0.00	30.68 -1.79 0.00	29.99 -2.05 0.00	27.83 -2.13 0.00	26.42 -2.20 0.00	26.54 -2.09 0.00	27.77 -2.42 0.00	29.50 -3.65 0.00	32.79 -3.96 -0.42	39.20 -4.59 -1.68	32.25 -3.61 -1.14	31.00 -3.77 -0.49	29.83 -4.13 0.18	28.05 -4.35 1.61	26.45 -4.05 0.44	26.28 -3.05 0.00
STEPHTWN_115KV_BK_2 55603	29.38 1.05 0.00	28.61 0.97 0.00	27.84 1.02 0.00	27.92 1.05 0.00	28.35 1.01 0.00	30.03 0.93 0.00	38.43 1.58 0.00	45.65 1.97 0.00	38.58 1.63 0.00	33.61 1.14 0.00	33.26 1.22 0.00	31.18 1.23 0.00	29.83 1.20 0.00	29.83 1.20 0.00	31.52 1.33 0.00	34.57 1.43 0.00	42.82 1.89 -4.60	61.76 2.19 -17.47	49.17 1.77 -12.68	41.32 1.68 -5.36	38.51 1.71 -2.67	35.59 1.56 0.00	33.19 1.55 -0.70	30.89 1.55 0.00
STEBUBEN_REC_LFGE 323667	29.70 1.36 0.00	29.02 1.38 0.00	28.16 1.34 0.00	28.24 1.37 0.00	28.90 1.56 0.00	31.10 2.01 0.00	39.69 2.84 0.00	46.66 2.93 -0.05	39.58 2.62 0.00	34.48 2.01 0.00	33.74 1.70 0.00	31.09 1.14 0.00	29.54 0.92 0.00	29.49 0.86 0.00	31.07 0.88 0.00	34.27 1.13 0.00	38.17 0.98 -0.86	46.34 1.01 -3.22	37.83 0.76 -2.36	35.69 0.41 -1.00	35.34 0.03 -1.16	36.11 -0.24 -2.33	31.30 -0.56 -0.91	29.10 -0.23 0.00
STILLWATER___SOLAR 323814	29.41 1.08 0.00	28.64 0.99 0.00	27.87 1.04 0.00	27.92 1.05 0.00	28.41 1.07 0.00	30.29 1.19 0.00	38.95 2.10 0.00	46.22 2.53 0.00	38.99 2.03 0.00	33.90 1.43 0.00	33.45 1.41 0.00	31.24 1.29 0.00	29.86 1.23 0.00	29.86 1.23 0.00	31.61 1.42 0.00	34.83 1.69 0.00	43.25 2.18 -4.73	62.55 2.48 -17.96	49.84 2.08 -13.04	41.74 1.95 -5.51	38.83 1.95 -2.74	35.96 1.94 0.00	33.33 1.67 -0.72	30.92 1.58 0.00
STONY___BROOK 24151	39.55 2.81 -8.41	34.38 2.63 -4.11	33.71 2.55 -4.34	33.34 2.50 -3.97	34.79 2.49 -4.96	40.72 2.77 -8.85	47.58 4.57 -6.17	57.93 5.42 -8.83	50.06 4.62 -8.48	41.23 3.64 -5.12	43.02 3.56 -7.42	40.42 3.38 -7.08	38.60 3.32 -6.66	42.21 3.29 -10.29	44.27 3.59 -10.49	54.20 4.11 -16.94	67.42 4.80 -26.29	86.38 5.56 -38.72	70.52 4.65 -31.16	66.65 4.56 -27.81	64.87 4.44 -26.29	56.20 4.39 -17.79	52.54 3.99 -17.60	43.81 3.58 -10.89
STURGEON_POOL_HYD 23609	29.33 0.99 0.00	28.55 0.91 0.00	27.68 0.86 0.00	27.73 0.86 0.00	28.14 0.79 0.00	30.06 0.96 0.00	38.80 1.95 0.00	46.00 2.32 0.00	38.92 1.96 0.00	33.93 1.46 0.00	33.36 1.31 0.00	31.24 1.29 0.00	29.86 1.23 0.00	29.86 1.23 0.00	31.58 1.39 0.00	34.80 1.66 0.00	42.52 2.29 -3.90	59.64 2.74 -14.80	47.76 2.29 -10.75	41.08 2.26 -4.54	38.55 2.15 -2.26	36.03 2.01 0.00	33.42 1.89 -0.59	31.01 1.67 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	29.27 0.94 0.00	28.50 0.86 0.00	27.65 0.83 0.00	27.70 0.83 0.00	28.11 0.77 0.00	30.00 0.90 0.00	38.80 1.95 0.00	46.13 2.45 0.00	39.03 2.07 0.00	34.00 1.53 0.00	33.49 1.44 0.00	31.39 1.44 0.00	30.00 1.37 0.00	30.01 1.37 0.00	31.73 1.54 0.00	34.90 1.76 0.00	42.19 2.40 -3.46	58.14 2.91 -13.13	46.65 2.40 -9.54	40.64 2.33 -4.03	38.36 2.22 -2.00	36.13 2.11 0.00	33.39 1.92 -0.52	31.01 1.67 0.00
SWANROAD_115KV_TB1 355699	27.23 -1.11 0.00	26.48 -1.16 0.00	25.51 -1.31 0.00	25.53 -1.34 0.00	26.14 -1.20 0.00	27.82 -1.28 0.00	34.45 -2.40 0.00	39.39 -4.28 0.02	34.11 -2.85 0.00	29.64 -2.82 0.00	29.26 -2.79 0.00	26.99 -2.97 0.00	25.73 -2.89 0.00	25.80 -2.83 0.00	26.93 -3.26 0.00	29.70 -3.45 0.00	31.85 -4.83 -0.35	37.89 -5.64 -1.43	31.28 -4.37 -0.94	30.19 -4.49 -0.40	29.01 -4.88 0.25	27.34 -4.93 1.75	25.87 -4.58 0.49	25.52 -3.81 0.00
SYNERGY___BIOGAS 323694	28.25 -0.08 0.00	27.53 -0.11 0.00	26.61 -0.22 0.00	26.71 -0.16 0.00	27.21 -0.14 0.00	28.98 -0.12 0.00	35.89 -0.96 0.00	42.62 -1.05 0.02	36.18 -0.78 0.00	31.40 -1.07 0.00	30.67 -1.38 0.00	28.40 -1.56 0.00	26.91 -1.72 0.00	27.06 -1.57 0.00	28.38 -1.81 0.00	30.66 -2.49 0.00	34.46 -2.29 -0.41	40.57 -3.12 -1.58	33.39 -2.39 -1.08	32.10 -2.64 -0.46	30.90 -3.00 0.23	29.04 -3.27 1.72	27.36 -3.09 0.49	26.73 -2.61 0.00
SYRACUSE___ENERGY_ST1 323597	28.51 0.17 0.00	27.83 0.19 0.00	26.96 0.13 0.00	26.95 0.08 0.00	27.48 0.14 0.00	29.36 0.26 0.00	37.33 0.48 0.00	44.31 0.61 -0.02	37.40 0.44 0.00	32.70 0.23 0.00	32.17 0.13 0.00	29.93 -0.03 0.00	28.57 -0.06 0.00	28.60 -0.03 0.00	30.13 -0.06 0.00	33.18 0.03 0.00	36.86 0.15 -0.38	43.81 0.25 -1.46	36.01 0.24 -1.06	34.86 0.14 -0.45	34.55 -0.03 -0.44	34.68 -0.10 -0.76	31.04 -0.22 -0.32	29.10 -0.23 0.00
SYRACUSE___ENERGY_ST2 323598	28.51 0.17 0.00	27.83 0.19 0.00	26.96 0.13 0.00	26.95 0.08 0.00	27.48 0.14 0.00	29.36 0.26 0.00	37.33 0.48 0.00	44.31 0.61 -0.02	37.40 0.44 0.00	32.70 0.23 0.00	32.17 0.13 0.00	29.93 -0.03 0.00	28.57 -0.06 0.00	28.60 -0.03 0.00	30.13 -0.06 0.00	33.18 0.03 0.00	36.86 0.15 -0.38	43.81 0.25 -1.46	36.01 0.24 -1.06	34.86 0.14 -0.45	34.55 -0.03 -0.44	34.68 -0.10 -0.76	31.04 -0.22 -0.32	29.10 -0.23 0.00



SYRACUSE___POWER 24017	28.22 -0.11 0.00	27.56 -0.08 0.00	26.69 -0.13 0.00	26.71 -0.16 0.00	27.21 -0.14 0.00	29.01 -0.09 0.00	36.89 0.04 0.00	43.78 0.09 -0.01	37.03 0.07 0.00	32.34 -0.13 0.00	31.85 -0.19 0.00	29.69 -0.27 0.00	28.37 -0.26 0.00	28.37 -0.26 0.00	29.92 -0.27 0.00	32.88 -0.27 0.00	36.55 -0.18 -0.40	43.46 -0.17 -1.53	35.72 -0.10 -1.11	34.58 -0.17 -0.47	34.15 -0.34 -0.35	34.05 -0.37 -0.40	30.74 -0.40 -0.20	28.93 -0.41 0.00
TALLMAN___138KV_BK151 55660	29.36 1.02 0.00	28.58 0.94 0.00	27.71 0.89 0.00	27.79 0.91 0.00	28.16 0.82 0.00	30.09 0.99 0.00	38.99 2.14 0.00	46.44 2.75 0.00	39.25 2.29 0.00	34.22 1.75 0.00	33.68 1.63 0.00	31.60 1.65 0.00	30.23 1.60 0.00	30.21 1.57 0.00	31.94 1.75 0.00	35.13 1.99 0.00	42.55 2.65 -3.56	58.89 3.28 -13.50	47.16 2.64 -9.81	41.03 2.61 -4.14	38.69 2.49 -2.06	36.37 2.35 0.00	33.62 2.14 -0.54	31.21 1.88 0.00
TEALLAVE_115KV_TB7 355573	28.02 -0.31 0.00	27.37 -0.28 0.00	26.53 -0.30 0.00	26.52 -0.35 0.00	27.04 -0.30 0.00	28.81 -0.29 0.00	36.59 -0.26 0.00	43.43 -0.26 -0.01	36.70 -0.26 0.00	32.08 -0.39 0.00	31.60 -0.45 0.00	29.48 -0.48 0.00	28.17 -0.46 0.00	28.17 -0.46 0.00	29.71 -0.48 0.00	32.61 -0.53 0.00	36.19 -0.47 -0.33	42.87 -0.51 -1.27	35.25 -0.38 -0.92	34.19 -0.48 -0.39	33.80 -0.61 -0.27	33.67 -0.61 -0.26	30.46 -0.62 -0.14	28.75 -0.59 0.00
TELGRAPH_34_KV_EAST 80808	27.91 -0.43 0.00	27.12 -0.53 0.00	26.15 -0.67 0.00	26.17 -0.70 0.00	26.80 -0.55 0.00	28.57 -0.52 0.00	35.52 -1.33 0.00	41.00 -2.66 0.02	35.26 -1.70 0.00	30.62 -1.85 0.00	30.19 -1.86 0.00	27.83 -2.13 0.00	26.48 -2.15 0.00	26.57 -2.06 0.00	27.78 -2.42 0.00	30.69 -2.45 0.00	33.21 -3.49 -0.37	39.39 -4.21 -1.50	32.46 -3.26 -1.01	31.32 -3.39 -0.43	30.14 -3.76 0.24	28.41 -3.88 1.73	26.77 -3.68 0.49	26.29 -3.05 0.00
TEMPLE___115KV_TB 2 55572	28.05 -0.28 0.00	27.37 -0.28 0.00	26.53 -0.30 0.00	26.55 -0.32 0.00	27.04 -0.30 0.00	28.81 -0.29 0.00	36.59 -0.26 0.00	43.43 -0.26 -0.01	36.74 -0.22 0.00	32.11 -0.36 0.00	31.63 -0.42 0.00	29.51 -0.45 0.00	28.17 -0.46 0.00	28.20 -0.43 0.00	29.74 -0.45 0.00	32.65 -0.50 0.00	36.24 -0.44 -0.34	42.89 -0.51 -1.29	35.27 -0.38 -0.94	34.23 -0.45 -0.39	33.83 -0.58 -0.27	33.66 -0.61 -0.25	30.46 -0.62 -0.14	28.75 -0.59 0.00
TIANA___69_KV_BK 1 55817	39.96 3.20 -8.42	34.93 3.18 -4.11	34.33 3.16 -4.34	34.01 3.17 -3.97	35.45 3.14 -4.97	41.25 3.29 -8.86	48.48 5.45 -6.18	59.21 6.68 -8.84	50.96 5.51 -8.50	41.66 4.06 -5.13	43.48 4.01 -7.43	40.76 3.71 -7.09	38.96 3.66 -6.67	42.65 3.72 -10.30	44.74 4.05 -10.50	54.78 4.67 -16.97	68.29 5.63 -26.32	87.50 6.74 -38.66	71.30 5.48 -31.10	67.43 5.42 -27.74	65.72 5.26 -26.32	56.87 5.04 -17.82	53.05 4.49 -17.62	44.35 4.11 -10.91
TILDEN___115KV_TB1 80814	28.22 -0.11 0.00	27.56 -0.08 0.00	26.69 -0.13 0.00	26.71 -0.16 0.00	27.21 -0.14 0.00	29.01 -0.09 0.00	36.89 0.04 0.00	43.78 0.09 -0.01	37.03 0.07 0.00	32.34 -0.13 0.00	31.85 -0.19 0.00	29.69 -0.27 0.00	28.37 -0.26 0.00	28.37 -0.26 0.00	29.92 -0.27 0.00	32.88 -0.27 0.00	36.55 -0.18 -0.40	43.46 -0.17 -1.53	35.72 -0.10 -1.11	34.58 -0.17 -0.47	34.15 -0.34 -0.35	34.05 -0.37 -0.40	30.74 -0.40 -0.20	28.93 -0.41 0.00
TRIGEN___CC 323695	36.05 1.70 -6.01	32.24 1.66 -2.94	31.53 1.61 -3.10	31.33 1.64 -2.82	32.43 1.56 -3.53	37.12 1.72 -6.31	44.28 3.02 -4.41	53.84 3.84 -6.31	46.31 3.29 -6.07	38.73 2.60 -3.66	39.81 2.47 -5.30	37.41 2.40 -5.06	35.76 2.38 -4.76	38.33 2.35 -7.35	40.25 2.57 -7.49	48.16 2.92 -12.10	59.68 3.52 -19.83	100.46 4.13 -54.23	82.40 3.37 -44.32	80.22 3.36 -42.58	56.77 3.24 -19.38	49.86 3.13 -12.71	46.58 2.91 -12.73	39.73 2.61 -7.78
TRINITY___115KV___ 4 BK 55933	29.02 0.68 0.00	28.28 0.64 0.00	27.52 0.70 0.00	27.60 0.73 0.00	28.00 0.66 0.00	29.62 0.52 0.00	37.81 0.96 0.00	44.95 1.27 0.00	37.96 1.00 0.00	33.05 0.58 0.00	32.75 0.70 0.00	30.73 0.78 0.00	29.43 0.80 0.00	29.46 0.83 0.00	31.07 0.88 0.00	34.04 0.89 0.00	42.25 1.31 -4.61	61.08 1.47 -17.50	48.67 1.25 -12.71	40.85 1.20 -5.37	37.97 1.16 -2.67	35.11 1.09 0.00	32.76 1.11 -0.70	30.51 1.17 0.00
UNION___PROCESSING_DRP 323587	27.94 -0.40 0.00	27.20 -0.44 0.00	26.28 -0.54 0.00	26.25 -0.62 0.00	26.85 -0.49 0.00	28.66 -0.44 0.00	36.00 -0.85 0.00	42.26 -1.40 0.02	35.96 -1.00 0.00	31.30 -1.17 0.00	30.86 -1.19 0.00	28.58 -1.38 0.00	27.22 -1.40 0.00	27.29 -1.35 0.00	28.62 -1.57 0.00	31.59 -1.56 0.00	34.80 -1.96 -0.43	41.52 -2.23 -1.65	34.19 -1.70 -1.18	32.93 -1.85 -0.50	31.80 -2.12 0.23	30.11 -2.25 1.66	28.29 -2.17 0.49	27.31 -2.02 0.00
UPPER HUDSON___HYD 24058	29.04 0.71 0.00	28.25 0.61 0.00	27.55 0.72 0.00	27.62 0.75 0.00	28.11 0.76 0.00	29.97 0.87 0.00	38.65 1.81 0.00	45.95 2.27 0.00	38.70 1.74 0.00	33.61 1.14 0.00	33.17 1.12 0.00	30.91 0.96 0.00	29.48 0.86 0.00	29.52 0.89 0.00	31.28 1.09 0.00	34.30 1.16 0.00	42.76 1.67 -4.76	62.00 1.85 -18.05	49.42 1.60 -13.11	41.22 1.41 -5.53	38.33 1.43 -2.76	35.52 1.50 0.00	32.91 1.24 -0.73	30.57 1.23 0.00
UPPER RAQUET___HYD 24056	28.48 0.14 0.00	27.84 0.19 0.00	27.01 0.19 0.00	27.09 0.21 0.00	27.56 0.22 0.00	28.95 -0.14 0.00	35.71 -1.14 0.00	42.28 -1.40 0.00	35.77 -1.18 0.00	31.76 -0.71 0.00	31.50 -0.54 0.00	29.54 -0.42 0.00	28.20 -0.43 0.00	28.14 -0.49 0.00	29.62 -0.57 0.00	32.32 -0.83 0.00	35.03 -1.31 0.00	40.55 -1.56 0.00	33.39 -1.32 0.00	33.05 -1.23 0.00	33.15 -0.99 0.00	33.37 -0.65 0.00	30.57 -0.37 0.00	29.01 -0.32 0.00
VALLEY44_115KV_TB2 355964	28.85 0.51 0.00	28.00 0.36 0.00	27.04 0.21 0.00	27.09 0.21 0.00	27.73 0.38 0.00	29.59 0.49 0.00	37.14 0.29 0.00	41.14 -2.53 0.01	36.51 -0.44 0.00	31.69 -0.78 0.00	31.21 -0.83 0.00	28.97 -0.99 0.00	27.51 -1.12 0.00	27.60 -1.03 0.00	28.86 -1.33 0.00	31.65 -1.49 0.00	33.76 -3.05 -0.48	40.48 -3.45 -1.83	33.04 -2.99 -1.31	31.85 -2.98 -0.56	30.80 -3.28 0.07	29.50 -3.30 1.22	27.30 -3.31 0.33	27.72 -1.61 0.00
VALLEY___115KV_TB 1-4 80826	28.59 0.26 0.00	27.95 0.30 0.00	27.12 0.30 0.00	27.19 0.32 0.00	27.70 0.36 0.00	29.56 0.47 0.00	37.70 0.85 0.00	44.82 1.14 0.00	37.92 0.96 0.00	33.22 0.75 0.00	32.75 0.70 0.00	30.52 0.57 0.00	29.14 0.52 0.00	29.09 0.46 0.00	30.67 0.48 0.00	33.77 0.63 0.00	37.20 0.87 0.00	43.11 1.01 0.00	35.48 0.76 0.00	35.00 0.72 0.00	34.76 0.61 0.00	34.63 0.61 0.00	31.44 0.50 0.00	29.75 0.41 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	30.12 1.79 0.00	29.41 1.77 0.00	28.48 1.66 0.00	28.54 1.67 0.00	29.01 1.67 0.00	31.02 1.92 0.00	39.98 3.13 0.00	47.40 3.71 -0.01	40.17 3.22 0.00	35.03 2.57 0.00	34.35 2.31 0.00	31.90 1.95 0.00	30.52 1.89 0.00	30.44 1.80 0.00	32.09 1.90 0.00	35.37 2.22 0.00	40.85 2.87 -1.64	51.78 3.45 -6.23	42.02 2.78 -4.53	39.00 2.81 -1.91	37.68 2.59 -0.94	36.49 2.48 0.02	33.26 2.07 -0.24	31.27 1.94 0.00



VISCHER___FERRY HYD 24020	29.19 0.85 0.00	28.41 0.77 0.00	27.63 0.80 0.00	27.68 0.81 0.00	28.14 0.79 0.00	29.97 0.87 0.00	38.51 1.66 0.00	45.74 2.05 0.00	38.62 1.66 0.00	33.54 1.07 0.00	33.17 1.12 0.00	31.03 1.08 0.00	29.71 1.09 0.00	29.75 1.12 0.00	31.40 1.21 0.00	34.64 1.49 0.00	42.89 1.89 -4.67	61.99 2.19 -17.70	49.41 1.84 -12.85	41.46 1.75 -5.43	38.55 1.71 -2.70	35.72 1.70 0.00	33.20 1.55 -0.71	30.77 1.44 0.00
V_A_10_SYNC_DSASP 323832	27.23 -1.11 0.00	26.56 -1.08 0.00	25.67 -1.15 0.00	25.80 -1.08 0.00	26.28 -1.07 0.00	27.90 -1.19 0.00	34.49 -2.36 0.00	40.65 -3.01 0.02	34.52 -2.44 0.00	30.13 -2.34 0.00	29.51 -2.53 0.00	27.44 -2.52 0.00	26.11 -2.52 0.00	26.20 -2.43 0.00	27.47 -2.72 0.00	29.76 -3.38 0.00	33.26 -3.60 -0.53	39.98 -4.17 -2.05	33.02 -3.16 -1.47	31.50 -3.39 -0.62	30.42 -3.69 0.04	28.88 -3.91 1.23	27.09 -3.53 0.33	26.11 -3.23 0.00
V_CMM_10_SYNC_DSASP 323787	28.36 0.03 0.00	27.70 0.06 0.00	26.90 0.08 0.00	26.95 0.08 0.00	27.48 0.14 0.00	29.13 0.03 0.00	36.26 -0.59 0.00	42.85 -0.83 0.00	36.29 -0.66 0.00	32.28 -0.19 0.00	31.92 -0.13 0.00	29.87 -0.09 0.00	28.51 -0.11 0.00	28.49 -0.14 0.00	30.01 -0.18 0.00	32.81 -0.33 0.00	35.64 -0.69 0.00	41.22 -0.89 0.00	33.98 -0.73 0.00	33.63 -0.65 0.00	33.59 -0.55 0.00	33.58 -0.44 0.00	30.63 -0.31 0.00	29.07 -0.26 0.00
V_CMP_10_SYNC_DSASP 323788	28.70 0.37 0.00	28.14 0.50 0.00	27.41 0.59 0.00	27.57 0.70 0.00	28.24 0.90 0.00	29.71 0.61 0.00	36.37 -0.48 0.00	43.03 -0.65 0.00	36.48 -0.48 0.00	32.89 0.42 0.00	32.49 0.45 0.00	30.29 0.33 0.00	28.80 0.17 0.00	28.75 0.11 0.00	30.16 -0.03 0.00	33.05 -0.10 0.00	35.79 -0.54 0.00	40.59 -1.51 0.00	33.74 -0.97 0.00	33.15 -1.13 0.00	32.91 -1.23 0.00	32.73 -1.29 0.00	30.17 -0.77 0.00	28.48 -0.85 0.00
V_D_10_SYNC_DSASP 323841	26.86 -1.47 0.00	26.15 -1.49 0.00	25.19 -1.64 0.00	25.21 -1.67 0.00	25.81 -1.53 0.00	27.44 -1.66 0.00	33.94 -2.91 0.00	38.95 -4.72 0.02	33.63 -3.33 0.00	29.26 -3.21 0.00	28.87 -3.17 0.00	26.66 -3.30 0.00	25.45 -3.18 0.00	25.51 -3.12 0.00	26.63 -3.56 0.00	29.37 -3.78 0.00	31.53 -5.12 -0.32	37.37 -6.10 -1.37	30.87 -4.72 -0.88	29.86 -4.80 -0.37	28.75 -5.12 0.27	26.94 -5.27 1.81	25.67 -4.77 0.50	25.23 -4.11 0.00
V_E_10_SYNC_DSASP 323830	31.11 2.78 0.00	30.52 2.87 0.00	29.58 2.76 0.00	29.69 2.82 0.00	30.27 2.93 0.00	32.53 3.43 0.00	42.05 5.20 0.00	49.90 6.20 -0.02	42.06 5.10 0.00	36.49 4.03 0.00	35.41 3.36 0.00	32.71 2.75 0.00	31.29 2.66 0.00	31.09 2.46 0.00	32.76 2.56 0.00	36.09 2.95 0.00	41.90 4.39 -1.17	51.88 5.35 -4.43	42.17 4.23 -3.23	39.72 4.08 -1.36	38.54 3.55 -0.84	37.85 3.23 -0.59	33.85 2.54 -0.37	31.80 2.46 0.00
V_F_30_NSYNC___DSASP 323816	29.47 1.13 0.00	28.69 1.05 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.46 1.12 0.00	30.32 1.22 0.00	38.98 2.14 0.00	46.30 2.62 0.00	39.06 2.11 0.00	33.96 1.49 0.00	33.52 1.47 0.00	31.31 1.35 0.00	29.88 1.26 0.00	29.92 1.29 0.00	31.64 1.45 0.00	34.87 1.72 0.00	43.29 2.22 -4.74	62.67 2.57 -18.00	49.94 2.15 -13.07	41.82 2.02 -5.52	38.90 2.01 -2.75	35.99 1.97 0.00	33.40 1.73 -0.72	30.95 1.61 0.00
V_F_30_SYNC_DSASP 323786	29.10 0.77 0.00	28.36 0.72 0.00	27.63 0.80 0.00	27.68 0.81 0.00	28.11 0.77 0.00	29.71 0.61 0.00	37.95 1.11 0.00	45.12 1.44 0.00	38.10 1.15 0.00	33.18 0.71 0.00	32.88 0.83 0.00	30.85 0.90 0.00	29.51 0.89 0.00	29.55 0.92 0.00	31.19 1.00 0.00	34.17 1.03 0.00	42.43 1.45 -4.65	61.38 1.64 -17.63	48.87 1.35 -12.80	40.99 1.30 -5.41	38.13 1.30 -2.69	35.21 1.19 0.00	32.86 1.21 -0.71	30.60 1.26 0.00
V_XM_10_SYNC_DSASP 323789	28.70 0.37 0.00	28.14 0.50 0.00	27.41 0.59 0.00	27.57 0.70 0.00	28.24 0.90 0.00	29.71 0.61 0.00	36.37 -0.48 0.00	43.03 -0.65 0.00	36.48 -0.48 0.00	32.89 0.42 0.00	32.49 0.45 0.00	30.29 0.33 0.00	28.80 0.17 0.00	28.75 0.11 0.00	30.16 -0.03 0.00	33.05 -0.10 0.00	35.79 -0.54 0.00	40.59 -1.51 0.00	33.74 -0.97 0.00	33.15 -1.13 0.00	32.91 -1.23 0.00	32.73 -1.29 0.00	30.17 -0.77 0.00	28.48 -0.85 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	29.44 1.11 0.00	28.66 1.02 0.00	27.81 0.99 0.00	27.87 0.99 0.00	28.27 0.93 0.00	30.17 1.08 0.00	39.13 2.28 0.00	46.57 2.88 0.00	39.40 2.44 0.00	34.32 1.85 0.00	33.78 1.73 0.00	31.66 1.71 0.00	30.29 1.66 0.00	30.26 1.63 0.00	32.03 1.84 0.00	35.23 2.09 0.00	42.68 2.76 -3.58	59.10 3.41 -13.58	47.36 2.78 -9.87	41.16 2.71 -4.17	38.81 2.59 -2.07	36.47 2.45 0.00	33.71 2.23 -0.54	31.27 1.94 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	29.53 1.19 0.00	28.75 1.11 0.00	27.92 1.10 0.00	27.97 1.10 0.00	28.33 0.98 0.00	30.23 1.13 0.00	39.32 2.47 0.00	46.96 3.28 0.00	39.77 2.81 0.00	34.68 2.21 0.00	34.10 2.05 0.00	31.93 1.98 0.00	30.60 1.98 0.00	30.55 1.92 0.00	32.33 2.14 0.00	35.60 2.45 0.00	43.17 3.12 -3.72	59.99 3.79 -14.10	48.05 3.09 -10.24	41.66 3.05 -4.33	39.16 2.87 -2.15	36.74 2.72 0.00	33.95 2.44 -0.56	31.48 2.14 0.00
W50THST__13_KV_LOAD 356117	29.64 1.30 0.00	28.86 1.22 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.44 1.09 0.00	30.32 1.22 0.00	39.46 2.62 0.00	47.18 3.49 0.00	39.95 2.99 0.00	34.84 2.37 0.00	34.26 2.21 0.00	32.08 2.13 0.00	30.72 2.09 0.00	30.69 2.06 0.00	32.49 2.29 0.00	35.76 2.62 0.00	43.36 3.31 -3.72	60.24 4.04 -14.10	48.19 3.23 -10.24	41.79 3.19 -4.33	39.33 3.04 -2.15	36.84 2.82 0.00	34.07 2.57 -0.56	31.60 2.26 0.00
WADING RIVER_IC_1 23522	39.98 3.23 -8.42	34.80 3.04 -4.12	34.09 2.92 -4.34	33.72 2.88 -3.97	35.18 2.87 -4.97	41.13 3.17 -8.87	48.15 5.12 -6.18	58.64 6.12 -8.85	50.44 4.99 -8.50	41.46 3.86 -5.13	43.22 3.75 -7.43	40.61 3.56 -7.09	38.90 3.61 -6.67	42.48 3.55 -10.30	44.50 3.80 -10.51	54.39 4.28 -16.97	67.70 5.05 -26.32	86.81 6.06 -38.64	70.77 4.96 -31.09	66.87 4.87 -27.73	65.31 4.85 -26.33	56.64 4.80 -17.82	52.87 4.30 -17.63	44.09 3.84 -10.91
WADING RIVER_IC_2 23547	39.98 3.23 -8.42	34.80 3.04 -4.12	34.09 2.92 -4.34	33.72 2.88 -3.97	35.18 2.87 -4.97	41.13 3.17 -8.87	48.15 5.12 -6.18	58.64 6.12 -8.85	50.44 4.99 -8.50	41.46 3.86 -5.13	43.22 3.75 -7.43	40.61 3.56 -7.09	38.90 3.61 -6.67	42.48 3.55 -10.30	44.50 3.80 -10.51	54.39 4.28 -16.97	67.70 5.05 -26.32	86.81 6.06 -38.64	70.77 4.96 -31.09	66.87 4.87 -27.73	65.31 4.85 -26.33	56.64 4.80 -17.82	52.87 4.30 -17.63	44.09 3.84 -10.91
WADING RIVER_IC_3 23601	39.98 3.23 -8.42	34.80 3.04 -4.12	34.09 2.92 -4.34	33.72 2.88 -3.97	35.18 2.87 -4.97	41.13 3.17 -8.87	48.15 5.12 -6.18	58.64 6.12 -8.85	50.44 4.99 -8.50	41.46 3.86 -5.13	43.22 3.75 -7.43	40.61 3.56 -7.09	38.90 3.61 -6.67	42.48 3.55 -10.30	44.50 3.80 -10.51	54.39 4.28 -16.97	67.70 5.05 -26.32	86.81 6.06 -38.64	70.77 4.96 -31.09	66.87 4.87 -27.73	65.31 4.85 -26.33	56.64 4.80 -17.82	52.87 4.30 -17.63	44.09 3.84 -10.91



WALDENNY_12_KV_BK2 80841	28.11 -0.23 0.00	27.31 -0.33 0.00	26.31 -0.51 0.00	26.36 -0.51 0.00	26.99 -0.36 0.00	28.75 -0.35 0.00	35.74 -1.11 0.00	40.61 -3.06 0.01	35.33 -1.63 0.00	30.68 -1.79 0.00	30.25 -1.79 0.00	27.89 -2.07 0.00	26.59 -2.03 0.00	26.66 -1.98 0.00	27.84 -2.35 0.00	30.69 -2.45 0.00	32.78 -3.92 -0.37	39.06 -4.55 -1.51	32.15 -3.58 -1.01	31.01 -3.70 -0.43	29.87 -4.06 0.21	28.24 -4.15 1.63	26.53 -3.96 0.45	26.31 -3.02 0.00
WALDEN___HYDRO 24148	29.55 1.22 0.00	28.72 1.08 0.00	27.84 1.02 0.00	27.87 0.99 0.00	28.33 0.98 0.00	30.26 1.17 0.00	39.13 2.29 0.00	46.35 2.67 0.00	39.25 2.29 0.00	34.19 1.72 0.00	33.65 1.60 0.00	31.48 1.53 0.00	30.11 1.49 0.00	30.09 1.46 0.00	31.85 1.66 0.00	35.17 2.02 0.00	42.54 2.58 -3.63	59.02 3.16 -13.76	47.35 2.64 -10.00	41.07 2.57 -4.22	38.66 2.42 -2.10	36.34 2.31 0.00	33.57 2.07 -0.55	31.19 1.85 0.00
WARRENSBURG___ 23737	29.04 0.71 0.00	28.25 0.61 0.00	27.55 0.72 0.00	27.62 0.75 0.00	28.11 0.76 0.00	29.97 0.87 0.00	38.65 1.81 0.00	45.95 2.27 0.00	38.70 1.74 0.00	33.61 1.14 0.00	33.17 1.12 0.00	30.91 0.96 0.00	29.48 0.86 0.00	29.52 0.89 0.00	31.28 1.09 0.00	34.30 1.16 0.00	42.76 1.67 -4.76	62.00 1.85 -18.05	49.42 1.60 -13.11	41.22 1.41 -5.53	38.33 1.43 -2.76	35.52 1.50 0.00	32.91 1.24 -0.73	30.57 1.23 0.00
WATERSIDE___6 8 9 23538	29.58 1.25 0.00	28.80 1.16 0.00	27.95 1.13 0.00	28.00 1.13 0.00	28.35 1.01 0.00	30.20 1.11 0.00	39.28 2.43 0.00	46.92 3.23 0.00	39.77 2.81 0.00	34.71 2.24 0.00	34.13 2.08 0.00	31.99 2.04 0.00	30.60 1.98 0.00	30.58 1.95 0.00	32.36 2.17 0.00	35.66 2.52 0.00	43.25 3.20 -3.72	60.12 3.92 -14.10	48.12 3.16 -10.25	41.73 3.12 -4.33	39.19 2.90 -2.15	36.74 2.72 0.00	34.04 2.54 -0.56	31.57 2.23 0.00
WATKINRD_115KV_LN8_ILLION 55919	28.62 0.28 0.00	27.95 0.30 0.00	27.12 0.30 0.00	27.19 0.32 0.00	27.67 0.33 0.00	29.50 0.41 0.00	37.62 0.77 0.00	44.64 0.96 0.00	37.77 0.81 0.00	33.05 0.58 0.00	32.59 0.54 0.00	30.41 0.45 0.00	29.06 0.43 0.00	29.03 0.40 0.00	30.61 0.42 0.00	33.68 0.53 0.00	37.10 0.76 0.00	43.03 0.93 0.00	35.41 0.69 0.00	34.97 0.69 0.00	34.76 0.61 0.00	34.60 0.58 0.00	31.44 0.50 0.00	29.75 0.41 0.00
WATSON___69_KV_BK 1 55734	39.46 2.81 -8.32	34.44 2.74 -4.06	33.79 2.68 -4.29	33.51 2.71 -3.92	34.93 2.68 -4.91	40.73 2.88 -8.76	47.67 4.72 -6.10	58.27 5.85 -8.74	50.30 4.95 -8.39	41.33 3.80 -5.07	43.07 3.69 -7.34	40.46 3.50 -7.00	38.65 3.44 -6.59	42.27 3.46 -10.17	44.31 3.74 -10.38	54.25 4.34 -16.76	67.46 5.09 -26.05	87.38 5.98 -39.30	71.26 4.89 -31.65	67.46 4.83 -28.34	64.92 4.75 -26.03	56.21 4.59 -17.60	52.51 4.15 -17.42	43.84 3.73 -10.78
WDELAWARE___HYD 323627	29.58 1.25 0.00	28.78 1.13 0.00	27.87 1.04 0.00	27.89 1.02 0.00	28.35 1.01 0.00	30.32 1.22 0.00	39.24 2.39 0.00	46.30 2.62 0.00	39.21 2.25 0.00	34.19 1.72 0.00	33.55 1.51 0.00	31.36 1.41 0.00	29.94 1.32 0.00	29.89 1.26 0.00	30.89 0.69 0.00	34.17 1.03 0.00	41.28 1.56 -3.39	56.92 1.98 -12.84	45.75 1.70 -9.33	39.90 1.68 -3.94	37.60 1.50 -1.96	35.38 1.36 0.00	33.47 2.01 -0.51	31.13 1.79 0.00
WEST BABYLON___IC 23714	38.95 2.58 -8.04	34.09 2.52 -3.93	33.41 2.44 -4.15	33.13 2.47 -3.79	34.51 2.43 -4.74	40.20 2.65 -8.46	47.06 4.31 -5.90	57.45 5.33 -8.44	49.61 4.55 -8.11	40.90 3.54 -4.90	42.57 3.43 -7.09	39.98 3.27 -6.76	38.20 3.21 -6.36	41.67 3.21 -9.83	43.69 3.47 -10.03	53.35 4.01 -16.19	66.31 4.69 -25.29	88.26 5.43 -40.73	72.05 4.48 -32.86	68.40 4.42 -29.70	63.70 4.34 -25.22	55.28 4.25 -17.01	51.66 3.87 -16.85	43.21 3.46 -10.41
WEST CANADA___HYD 24049	28.45 0.11 0.00	27.75 0.11 0.00	26.93 0.11 0.00	26.98 0.11 0.00	27.45 0.11 0.00	29.24 0.15 0.00	37.22 0.37 0.00	44.16 0.48 0.00	37.33 0.37 0.00	32.70 0.23 0.00	32.24 0.19 0.00	30.14 0.18 0.00	28.80 0.17 0.00	28.80 0.17 0.00	30.37 0.18 0.00	33.41 0.26 0.00	36.73 0.40 0.00	42.57 0.46 0.00	35.10 0.38 0.00	34.66 0.38 0.00	34.45 0.31 0.00	34.36 0.34 0.00	31.22 0.28 0.00	29.57 0.23 0.00
WESTERN_NY_WIND 24143	28.31 -0.03 0.00	27.50 -0.14 0.00	26.53 -0.30 0.00	26.52 -0.35 0.00	27.15 -0.19 0.00	29.01 -0.09 0.00	36.19 -0.66 0.00	42.35 -1.31 0.02	36.22 -0.74 0.00	31.37 -1.10 0.00	30.89 -1.15 0.00	28.43 -1.53 0.00	27.05 -1.57 0.00	27.14 -1.49 0.00	28.41 -1.78 0.00	31.45 -1.69 0.00	34.36 -2.36 -0.39	40.42 -3.24 -1.56	33.28 -2.50 -1.07	32.06 -2.67 -0.45	30.87 -3.04 0.24	29.14 -3.16 1.71	27.34 -3.09 0.51	26.78 -2.55 0.00
WESTOVER___LESR 323668	28.76 0.43 0.00	28.03 0.39 0.00	27.17 0.35 0.00	27.19 0.32 0.00	27.70 0.36 0.00	29.59 0.49 0.00	37.70 0.85 0.00	44.40 0.70 -0.02	37.73 0.78 0.00	32.92 0.45 0.00	32.40 0.35 0.00	30.17 0.21 0.00	28.80 0.17 0.00	28.80 0.17 0.00	30.37 0.18 0.00	33.38 0.23 0.00	37.71 0.15 -1.23	47.01 0.25 -4.66	38.29 0.17 -3.40	35.82 0.10 -1.44	34.88 -0.07 -0.81	34.23 -0.14 -0.34	30.99 -0.25 -0.30	29.28 -0.06 0.00
WETHRSFD_WT_PWR 323626	27.71 -0.62 0.00	27.03 -0.61 0.00	26.10 -0.72 0.00	26.28 -0.59 0.00	26.77 -0.58 0.00	28.43 -0.67 0.00	34.93 -1.92 0.00	40.39 -3.28 0.01	34.78 -2.18 0.00	30.26 -2.21 0.00	29.55 -2.50 0.00	27.26 -2.70 0.00	25.85 -2.78 0.00	25.94 -2.69 0.00	27.14 -3.05 0.00	28.90 -4.24 0.00	32.04 -4.69 -0.39	38.15 -5.56 -1.61	31.34 -4.44 -1.07	30.15 -4.59 -0.46	28.98 -4.95 0.21	27.12 -5.20 1.69	25.65 -4.83 0.47	25.43 -3.90 0.00
WHAVSTOR_138KV_BK127 55557	29.36 1.02 0.00	28.55 0.91 0.00	27.71 0.89 0.00	27.79 0.91 0.00	28.16 0.82 0.00	30.09 0.99 0.00	38.99 2.14 0.00	46.44 2.75 0.00	39.25 2.29 0.00	34.22 1.75 0.00	33.68 1.63 0.00	31.57 1.62 0.00	30.23 1.60 0.00	30.21 1.57 0.00	31.94 1.75 0.00	35.13 1.99 0.00	42.57 2.65 -3.59	58.95 3.24 -13.60	47.24 2.64 -9.88	41.02 2.57 -4.17	38.67 2.46 -2.07	36.37 2.35 0.00	33.62 2.14 -0.54	31.18 1.85 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	29.36 1.02 0.00	28.55 0.91 0.00	27.71 0.89 0.00	27.79 0.91 0.00	28.16 0.82 0.00	30.09 0.99 0.00	38.99 2.14 0.00	46.44 2.75 0.00	39.25 2.29 0.00	34.22 1.75 0.00	33.68 1.63 0.00	31.57 1.62 0.00	30.23 1.60 0.00	30.21 1.57 0.00	31.94 1.75 0.00	35.13 1.99 0.00	42.57 2.65 -3.59	58.95 3.24 -13.60	47.24 2.64 -9.88	41.02 2.57 -4.17	38.67 2.46 -2.07	36.37 2.35 0.00	33.62 2.14 -0.54	31.18 1.85 0.00
WHITEHAL_115KV_TB1 80871	29.61 1.28 0.00	28.77 1.13 0.00	28.11 1.29 0.00	28.19 1.32 0.00	28.71 1.37 0.00	30.64 1.54 0.00	39.61 2.76 0.00	47.09 3.41 0.00	39.62 2.66 0.00	34.35 1.88 0.00	33.84 1.79 0.00	31.48 1.53 0.00	29.97 1.35 0.00	30.03 1.40 0.00	31.91 1.72 0.00	35.00 1.86 0.00	43.66 2.58 -4.75	63.13 2.99 -18.04	50.34 2.53 -13.10	42.07 2.26 -5.53	39.22 2.32 -2.75	36.23 2.21 0.00	33.59 1.92 -0.72	31.13 1.79 0.00



WHITEPLN_13_KV_LOAD 356215	29.72 1.39 0.00	28.97 1.33 0.00	28.11 1.29 0.00	28.16 1.29 0.00	28.55 1.20 0.00	30.49 1.40 0.00	39.58 2.73 0.00	47.31 3.63 0.00	40.06 3.10 0.00	34.97 2.50 0.00	34.38 2.34 0.00	32.17 2.22 0.00	30.77 2.15 0.00	30.78 2.15 0.00	32.55 2.35 0.00	35.83 2.68 0.00	43.49 3.45 -3.71	60.30 4.13 -14.07	48.30 3.37 -10.22	41.89 3.29 -4.32	39.43 3.14 -2.15	37.01 2.99 0.00	34.20 2.69 -0.56	31.68 2.35 0.00
WM_FLOYD_69_KV_BK2 356380	39.50 2.75 -8.41	34.46 2.71 -4.11	33.87 2.71 -4.34	33.55 2.71 -3.97	34.99 2.68 -4.96	40.78 2.82 -8.86	47.78 4.75 -6.17	58.38 5.85 -8.84	50.33 4.88 -8.49	41.20 3.60 -5.13	43.03 3.56 -7.43	40.36 3.33 -7.08	38.58 3.29 -6.66	42.28 3.35 -10.29	44.34 3.65 -10.50	54.28 4.18 -16.96	67.66 5.01 -26.31	86.73 5.94 -38.69	70.70 4.86 -31.13	66.84 4.80 -27.77	65.09 4.64 -26.31	56.28 4.46 -17.81	52.58 4.02 -17.61	43.91 3.67 -10.90
WOODARD__115KV_TB2 355635	28.02 -0.31 0.00	27.34 -0.30 0.00	26.50 -0.32 0.00	26.52 -0.35 0.00	27.01 -0.33 0.00	28.81 -0.29 0.00	36.59 -0.26 0.00	43.43 -0.26 -0.01	36.70 -0.26 0.00	32.08 -0.39 0.00	31.60 -0.45 0.00	29.48 -0.48 0.00	28.14 -0.49 0.00	28.17 -0.46 0.00	29.68 -0.51 0.00	32.65 -0.50 0.00	36.20 -0.47 -0.34	42.88 -0.51 -1.28	35.26 -0.38 -0.93	34.23 -0.45 -0.39	33.86 -0.58 -0.30	33.77 -0.61 -0.36	30.50 -0.62 -0.17	28.72 -0.62 0.00
YORK___WARBASSE 23770	29.70 1.36 0.00	28.89 1.24 0.00	28.00 1.18 0.00	28.05 1.18 0.00	28.38 1.04 0.00	30.23 1.13 0.00	39.39 2.54 0.00	47.05 3.36 0.00	39.88 2.92 0.00	34.81 2.34 0.00	34.19 2.15 0.00	32.05 2.10 0.00	30.66 2.03 0.00	30.64 2.00 0.00	32.46 2.26 0.00	35.76 2.62 0.00	43.43 3.38 -3.72	60.37 4.17 -14.10	48.33 3.37 -10.25	41.90 3.29 -4.33	39.33 3.04 -2.15	36.88 2.86 0.00	34.14 2.63 -0.56	31.65 2.32 0.00