

# Day Ahead Market Generator LBMP

		--- LBMP \$								--- Marginal Cost of Losses								--- Marginal Cost of Congestion									
Generator Data		10/04/2025																									
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	EDT	32.89	29.08	27.84	26.18	26.48	29.02	38.59	40.34	34.72	28.57	27.98	27.79	29.02	31.52	34.13	38.44	46.20	66.30	76.46	72.60	51.16	44.46	39.06	35.64		
		1.33	1.17	1.05	0.96	0.97	1.14	1.56	1.88	1.78	1.49	1.61	1.60	1.69	1.88	2.16	2.52	2.41	2.98	3.15	2.52	1.78	2.04	1.97	1.79		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.22	-0.26	-0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
74TH STREET_GT_1 24260	EDT	32.99	29.17	27.95	26.23	26.53	29.08	38.62	40.38	34.75	28.62	28.03	27.84	29.08	31.58	34.22	38.51	46.28	66.42	76.61	72.74	51.26	44.54	39.17	35.71		
		1.42	1.26	1.15	1.01	1.02	1.20	1.59	1.92	1.81	1.54	1.66	1.65	1.75	1.94	2.25	2.59	2.50	3.10	3.30	2.66	1.88	2.12	2.08	1.86		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.22	-0.26	-0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
74TH STREET_GT_2 24261	EDT	32.99	29.17	27.95	26.23	26.53	29.08	38.62	40.38	34.75	28.62	28.03	27.84	29.08	31.58	34.22	38.51	46.28	66.42	76.61	72.74	51.26	44.54	39.17	35.71		
		1.42	1.26	1.15	1.01	1.02	1.20	1.59	1.92	1.81	1.54	1.66	1.65	1.75	1.94	2.25	2.59	2.50	3.10	3.30	2.66	1.88	2.12	2.08	1.86		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.22	-0.26	-0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
ADK HUDSON___FALLS 24011	EDT	32.58	28.75	27.71	26.07	26.30	28.80	38.33	39.73	33.73	27.49	26.55	26.22	27.33	29.33	31.78	35.60	44.88	65.28	75.95	72.53	51.02	43.78	38.39	34.80		
		1.01	0.84	0.91	0.86	0.79	0.92	1.30	1.27	0.79	0.41	0.18	0.03	0.00	0.06	0.25	0.46	1.09	1.96	2.64	2.45	1.63	1.36	1.30	0.95		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.18	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
ADK RESOURCE___RCVRY 23798	EDT	32.67	28.80	27.76	26.12	26.35	28.85	38.40	39.77	33.76	27.49	26.55	26.22	27.30	29.31	31.76	35.64	45.01	65.47	76.24	72.88	51.16	43.87	38.50	34.86		
		1.10	0.89	0.96	0.91	0.84	0.98	1.37	1.31	0.82	0.41	0.19	0.03	-0.03	0.03	0.22	0.50	1.22	2.15	2.94	2.81	1.78	1.44	1.41	1.01		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.18	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
ADK S GLENS___FALLS 24028	EDT	32.58	28.75	27.71	26.07	26.30	28.80	38.33	39.73	33.73	27.49	26.55	26.22	27.33	29.33	31.78	35.60	44.88	65.28	75.95	72.53	51.02	43.78	38.39	34.80		
		1.01	0.84	0.91	0.86	0.79	0.92	1.30	1.27	0.79	0.41	0.18	0.03	0.00	0.06	0.25	0.46	1.09	1.96	2.64	2.45	1.63	1.36	1.30	0.95		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.18	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
ADK_NYS___DAM 23527	EDT	32.61	28.78	27.58	25.95	26.25	28.85	38.59	40.19	34.09	27.92	27.21	26.90	28.04	29.89	32.32	35.99	45.32	65.41	75.43	71.90	50.87	43.95	38.35	34.96		
		1.04	0.87	0.78	0.73	0.74	0.98	1.56	1.73	1.15	0.84	0.84	0.71	0.71	0.79	1.01	1.24	1.53	2.09	2.13	1.82	1.48	1.53	1.26	1.12		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.40	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
AIR_PRODUCTS___DRP 24190	EDT	31.60	27.94	26.83	25.24	25.51	27.96	37.18	38.73	33.00	27.05	26.34	26.12	27.25	29.24	31.63	35.17	43.57	62.88	72.57	69.24	48.89	42.21	36.91	33.65		
		0.03	0.03	0.03	0.03	0.00	0.08	0.15	0.27	0.07	-0.03	-0.03	-0.08	-0.08	-0.06	0.06	-0.04	-0.22	-0.44	-0.73	-0.84	-0.49	-0.21	-0.19	-0.20		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.15	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
AKWESSNE_115KV_BK 355683	EDT	31.54	27.94	26.83	25.24	25.56	28.02	37.29	38.65	33.10	27.24	26.50	26.43	27.52	29.57	31.80	35.60	44.14	64.21	74.48	71.27	50.08	42.89	37.39	34.05		
		-0.03	0.03	0.03	0.03	0.05	0.14	0.26	0.19	0.16	0.16	0.13	0.24	0.19	0.15	0.10	0.14	0.35	0.89	1.17	1.19	0.69	0.47	0.30	0.20		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	EDT	32.23	28.50	27.39	25.75	26.05	28.49	37.92	39.35	33.36	27.22	26.39	26.14	27.27	29.38	31.78	35.48	43.35	62.94	71.35	69.12	49.14	42.38	37.06	33.71		
		0.66	0.59	0.59	0.53	0.54	0.61	0.89	0.89	0.43	0.14	0.03	-0.05	-0.05	0.03	0.16	0.18	-0.44	-0.38	-0.29	-0.42	-0.25	-0.04	-0.04	-0.13		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.09	0.16	0.00	0.00	1.67	0.54	0.00	0.00	0.00	0.00		
ALBANY_2_SOLAR 323834	EDT	32.23	28.50	27.39	25.75	26.02	28.49	37.92	39.35	33.36	27.22	26.39	26.14	27.27	29.38	31.78	35.48	43.31	62.88	71.28	69.12	49.09	42.34	37.06	33.71		
		0.66	0.59	0.59	0.53	0.51	0.61	0.89	0.89	0.43	0.14	0.03	-0.05	-0.05	0.03	0.16	0.18	-0.48	-0.44	-0.36	-0.42	-0.29	-0.08	-0.04	-0.13		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.09	0.16	0.00	0.00	1.67	0.53	0.00	0.00	0.00	0.00		
ALBANY___1 23571	EDT	31.60	27.94	26.83	25.24	25.51	27.96	37.18	38.73	33.00	27.05	26.34	26.12	27.25	29.24	31.63	35.17	43.57	62.88	72.57	69.24	48.89	42.21	36.91	33.65		
		0.03	0.03	0.03	0.03	0.00	0.08	0.15	0.27	0.07	-0.03	-0.03	-0.08	-0.08	-0.06	0.06	-0.04	-0.22	-0.44	-0.73	-0.84	-0.49	-0.21	-0.19	-0.20		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.15	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		



ALBANY___2 23572	31.60 0.03 0.00	27.94 0.03 0.00	26.83 0.03 0.00	25.24 0.03 0.00	25.51 0.00 0.00	27.96 0.08 0.00	37.18 0.15 0.00	38.73 0.27 0.00	33.00 0.07 0.00	27.05 -0.03 0.00	26.34 -0.03 0.00	26.12 -0.08 0.00	27.25 -0.08 0.00	29.24 -0.06 0.12	31.63 0.06 0.15	35.17 -0.04 0.26	43.57 -0.22 0.00	62.88 -0.44 0.00	72.57 -0.73 0.00	69.24 -0.84 0.00	48.89 -0.49 0.00	42.21 -0.21 0.00	36.91 -0.19 0.00	33.65 -0.20 0.00
ALBANY___3 23573	31.60 0.03 0.00	27.94 0.03 0.00	26.83 0.03 0.00	25.24 0.03 0.00	25.51 0.00 0.00	27.96 0.08 0.00	37.18 0.15 0.00	38.73 0.27 0.00	33.00 0.07 0.00	27.05 -0.03 0.00	26.34 -0.03 0.00	26.12 -0.08 0.00	27.25 -0.08 0.00	29.24 -0.06 0.12	31.63 0.06 0.15	35.17 -0.04 0.26	43.57 -0.22 0.00	62.88 -0.44 0.00	72.57 -0.73 0.00	69.24 -0.84 0.00	48.89 -0.49 0.00	42.21 -0.21 0.00	36.91 -0.19 0.00	33.65 -0.20 0.00
ALBANY___4 23574	31.60 0.03 0.00	27.94 0.03 0.00	26.83 0.03 0.00	25.24 0.03 0.00	25.51 0.00 0.00	27.96 0.08 0.00	37.18 0.15 0.00	38.73 0.27 0.00	33.00 0.07 0.00	27.05 -0.03 0.00	26.34 -0.03 0.00	26.12 -0.08 0.00	27.25 -0.08 0.00	29.24 -0.06 0.12	31.63 0.06 0.15	35.17 -0.04 0.26	43.57 -0.22 0.00	62.88 -0.44 0.00	72.57 -0.73 0.00	69.24 -0.84 0.00	48.89 -0.49 0.00	42.21 -0.21 0.00	36.91 -0.19 0.00	33.65 -0.20 0.00
ALBANY___LFGE 323615	31.85 0.28 0.00	28.16 0.25 0.00	27.07 0.27 0.00	25.44 0.23 0.00	25.71 0.20 0.00	28.16 0.28 0.00	37.51 0.48 0.00	39.04 0.58 0.00	33.23 0.30 0.00	27.24 0.16 0.00	26.53 0.16 0.00	26.27 0.08 0.00	27.41 0.08 0.00	29.41 0.12 0.13	31.80 0.25 0.16	35.42 0.25 0.29	44.01 0.22 0.00	63.51 0.19 0.00	73.38 0.07 0.00	70.01 -0.07 0.00	49.44 0.05 0.00	42.64 0.21 0.00	37.32 0.22 0.00	33.95 0.10 0.00
ALCOA_PA_115KV_PL-6C 55860	31.63 0.06 0.00	28.02 0.11 0.00	26.93 0.13 0.00	25.34 0.13 0.00	25.66 0.15 0.00	28.13 0.25 0.00	37.48 0.44 0.00	38.81 0.35 0.00	33.23 0.30 0.00	27.32 0.24 0.00	26.58 0.21 0.00	26.51 0.31 0.00	27.60 0.27 0.00	29.63 0.21 0.00	31.87 0.16 0.00	35.67 0.21 0.00	44.27 0.48 0.00	64.52 1.20 0.00	74.92 1.61 0.00	71.76 1.68 0.00	50.37 0.99 0.00	43.10 0.68 0.00	37.54 0.45 0.00	34.19 0.34 0.00
ALCOA_RYNLDS___DRP 24188	31.63 0.06 0.00	28.02 0.11 0.00	26.93 0.13 0.00	25.34 0.13 0.00	25.66 0.15 0.00	28.13 0.25 0.00	37.48 0.44 0.00	38.81 0.35 0.00	33.23 0.30 0.00	27.32 0.24 0.00	26.58 0.21 0.00	26.51 0.31 0.00	27.60 0.27 0.00	29.63 0.21 0.00	31.87 0.16 0.00	35.67 0.21 0.00	44.27 0.48 0.00	64.52 1.20 0.00	74.92 1.61 0.00	71.76 1.68 0.00	50.37 0.99 0.00	43.10 0.68 0.00	37.54 0.45 0.00	34.19 0.34 0.00
ALCOA___DSASP 323711	31.63 0.06 0.00	28.02 0.11 0.00	26.93 0.13 0.00	25.34 0.13 0.00	25.64 0.13 0.00	28.13 0.25 0.00	37.48 0.45 0.00	38.81 0.35 0.00	33.23 0.30 0.00	27.32 0.24 0.00	26.58 0.21 0.00	26.51 0.32 0.00	27.60 0.27 0.00	29.63 0.21 0.00	31.87 0.16 0.00	35.67 0.21 0.00	44.27 0.48 0.00	64.52 1.20 0.00	74.92 1.61 0.00	71.76 1.68 0.00	50.37 0.99 0.00	43.10 0.68 0.00	37.54 0.45 0.00	34.19 0.34 0.00
ALLEGHENY___COGEN 23514	32.83 1.26 0.00	28.91 1.00 0.00	27.79 0.99 0.00	26.28 1.06 0.00	26.40 0.89 0.00	28.63 0.75 0.00	37.59 0.56 0.00	38.69 0.23 0.00	33.23 0.30 0.00	27.41 0.33 0.00	26.50 0.13 0.00	26.25 0.05 0.00	27.49 0.16 0.00	29.66 0.23 0.00	31.84 0.13 0.00	35.67 0.21 0.00	44.66 0.88 0.00	64.78 1.46 0.00	76.39 3.08 0.00	73.09 3.01 0.00	51.51 2.12 0.00	43.40 0.98 0.00	38.06 0.96 0.00	35.20 1.36 0.00
ALTAMONT_115KV_TB 2 55880	31.88 0.32 0.00	28.19 0.28 0.00	27.07 0.27 0.00	25.44 0.23 0.00	25.74 0.23 0.00	28.19 0.31 0.00	37.48 0.44 0.00	39.04 0.58 0.00	33.30 0.36 0.00	27.35 0.27 0.00	26.63 0.26 0.00	26.40 0.21 0.00	27.55 0.22 0.00	29.64 0.29 0.07	32.03 0.41 0.09	35.66 0.35 0.16	44.01 0.22 0.00	63.51 0.19 0.00	73.36 -0.07 -0.13	69.91 -0.21 -0.04	49.39 0.00 0.00	42.64 0.21 0.00	37.28 0.19 0.00	33.99 0.14 0.00
ALTONA_WT_PWR 323606	31.13 -0.44 0.00	27.74 -0.17 0.00	26.77 -0.03 0.00	25.32 0.10 0.00	25.77 0.26 0.00	28.47 0.59 0.00	38.11 1.07 0.00	39.54 1.08 0.00	34.06 1.12 0.00	28.22 1.14 0.00	27.48 1.11 0.00	27.50 1.31 0.00	28.59 1.26 0.00	30.63 1.21 0.00	32.91 1.20 0.00	36.95 1.49 0.00	46.02 2.23 0.00	67.50 4.18 0.00	78.59 5.28 0.00	75.26 5.19 0.00	52.59 3.21 0.00	44.76 2.33 0.00	38.80 1.71 0.00	35.17 1.32 0.00
AMERICAN_REF_FUEL 24010	31.47 -0.09 0.00	27.35 -0.56 0.00	26.67 -0.13 0.00	24.97 -0.25 0.00	25.33 -0.18 0.00	26.99 -0.89 0.00	34.55 -2.48 0.00	35.04 -3.42 0.00	30.73 -2.21 0.00	25.94 -1.14 0.00	25.42 -0.95 0.00	25.30 -0.89 0.00	26.53 -0.79 0.00	28.66 -0.77 0.00	30.60 -1.11 0.00	33.72 -1.74 0.00	41.51 -2.28 0.00	58.64 -4.68 0.00	68.10 -5.20 0.00	65.03 -5.05 0.00	46.22 -3.16 0.00	38.90 -3.52 0.00	34.64 -2.45 0.00	32.97 -0.88 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	31.85 0.28 0.00	28.02 0.11 0.00	26.88 0.08 0.00	25.50 0.28 0.00	25.59 0.08 0.00	27.57 -0.31 0.00	35.84 -1.19 0.00	36.65 -1.81 0.00	31.98 -0.96 0.00	27.08 0.00 0.00	26.50 0.13 0.00	26.43 0.24 0.00	27.68 0.35 0.00	29.92 0.50 0.00	32.06 0.35 0.00	35.35 -0.11 0.00	43.92 0.13 0.00	61.99 -1.33 0.00	72.35 -0.96 0.00	68.82 -1.26 0.00	48.55 -0.84 0.00	40.73 -1.70 0.00	36.09 -1.00 0.00	33.65 -0.20 0.00
ARTHUR KILL_GT_1 23520	33.06 1.48 -0.01	29.09 1.17 -0.01	27.88 1.07 -0.01	26.21 0.98 -0.01	26.51 0.99 -0.01	29.13 1.25 0.00	38.25 1.22 0.00	39.92 1.46 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.52 1.88 -0.22	34.16 2.19 -0.26	38.30 2.38 -0.47	45.50 1.71 0.00	65.54 2.22 0.00	75.58 2.27 0.00	71.83 1.75 0.00	50.57 1.19 0.00	43.99 1.57 0.00	39.03 1.93 -0.01	35.62 1.76 -0.01
ARTHUR_KILL_2 23512	32.96 1.39 -0.01	29.01 1.09 -0.01	27.80 0.99 -0.01	26.08 0.86 -0.01	26.44 0.92 -0.01	29.00 1.12 0.00	38.18 1.15 0.00	39.81 1.35 0.00	34.52 1.58 0.00	28.38 1.30 0.00	27.82 1.45 0.00	27.69 1.49 0.00	28.94 1.61 0.00	31.44 1.80 -0.22	34.10 2.12 -0.26	38.37 2.44 -0.47	45.32 1.53 0.00	65.35 2.03 0.00	75.36 2.05 0.00	71.55 1.47 0.00	50.37 0.99 0.00	43.78 1.36 0.00	38.95 1.85 -0.01	35.48 1.62 -0.01
ARTHUR_KILL_3 23513	32.61 1.04 0.00	28.83 0.92 0.00	27.63 0.83 0.00	25.90 0.68 0.00	26.25 0.74 0.00	28.74 0.87 0.00	38.24 1.22 0.01	40.00 1.54 0.00	34.45 1.52 0.00	28.35 1.27 0.00	27.76 1.40 0.00	27.58 1.39 0.00	28.80 1.47 0.00	31.29 1.65 -0.22	33.88 1.90 -0.26	38.16 2.24 -0.47	45.80 2.02 0.00	65.66 2.34 0.00	75.72 2.42 0.00	71.90 1.82 0.00	50.67 1.28 0.00	44.03 1.61 0.01	38.84 1.74 0.00	35.37 1.52 0.00



ARTHUR_KILL_COGEN 323718	33.06 1.48 -0.01	29.09 1.17 -0.01	27.88 1.07 -0.01	26.13 0.91 -0.01	26.51 0.99 -0.01	29.08 1.20 0.00	38.25 1.22 0.00	39.92 1.46 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.53 1.88 -0.22	34.19 2.22 -0.26	38.48 2.55 -0.47	45.49 1.71 0.00	65.54 2.22 0.00	75.58 2.28 0.00	71.83 1.75 0.00	50.57 1.18 0.00	43.91 1.48 0.00	39.07 1.96 -0.01	35.58 1.73 -0.01
ASHOKAN____ 23654	32.36 0.79 0.00	28.61 0.70 0.00	27.47 0.67 0.00	25.77 0.55 0.00	26.10 0.59 0.00	28.49 0.61 0.00	37.88 0.85 0.00	39.42 0.96 0.00	33.50 0.56 0.00	27.27 0.19 0.00	26.42 0.05 0.00	26.17 -0.03 0.00	27.35 0.03 0.00	30.42 1.00 0.00	33.10 1.39 0.00	37.34 1.88 0.00	44.71 0.92 0.00	65.16 1.84 0.00	76.17 4.70 1.83	73.48 3.99 0.59	50.62 1.24 0.00	43.91 1.48 0.00	38.28 1.19 0.00	34.80 0.95 0.00
ASTORIA_EAST_ENERGY_CC1 323581	33.09 1.52 -0.01	29.18 1.26 -0.01	27.96 1.15 -0.01	26.21 0.98 -0.01	26.56 1.05 -0.01	29.02 1.14 0.00	38.36 1.33 0.00	39.99 1.54 0.01	34.51 1.58 0.01	28.40 1.33 0.01	27.84 1.48 0.01	27.68 1.49 0.01	28.93 1.61 0.01	31.40 1.77 -0.21	34.02 2.06 -0.26	38.37 2.44 -0.47	45.80 2.02 0.01	65.59 2.28 0.01	75.64 2.35 0.01	71.89 1.82 0.01	50.61 1.24 0.01	44.12 1.70 0.00	39.25 2.15 -0.01	35.65 1.79 -0.01
ASTORIA_EAST_ENERGY_CC2 323582	33.09 1.52 -0.01	29.18 1.26 -0.01	27.96 1.15 -0.01	26.21 0.98 -0.01	26.56 1.05 -0.01	29.02 1.14 0.00	38.36 1.33 0.00	39.99 1.54 0.01	34.51 1.58 0.01	28.40 1.33 0.01	27.84 1.48 0.01	27.68 1.49 0.01	28.93 1.61 0.01	31.40 1.77 -0.21	34.02 2.06 -0.26	38.37 2.44 -0.47	45.80 2.02 0.01	65.59 2.28 0.01	75.64 2.35 0.01	71.89 1.82 0.01	50.61 1.24 0.01	44.12 1.70 0.00	39.25 2.15 -0.01	35.65 1.79 -0.01
ASTORIA_GT2_1 24094	33.09 1.52 -0.01	29.20 1.28 -0.01	27.96 1.15 -0.01	26.28 1.06 -0.01	26.56 1.05 -0.01	29.08 1.20 0.00	38.36 1.33 0.00	40.00 1.54 0.00	34.52 1.58 0.00	28.43 1.35 0.00	27.84 1.48 0.00	27.69 1.49 0.00	28.94 1.61 0.00	31.44 1.79 -0.22	34.03 2.06 -0.26	38.30 2.38 -0.47	45.80 2.01 0.00	65.60 2.28 0.00	75.65 2.35 0.00	71.90 1.82 0.00	50.62 1.23 0.00	44.16 1.74 0.00	39.22 2.11 -0.01	35.69 1.83 -0.01
ASTORIA_GT2_2 24095	33.09 1.52 -0.01	29.20 1.28 -0.01	27.96 1.15 -0.01	26.28 1.06 -0.01	26.56 1.05 -0.01	29.08 1.20 0.00	38.36 1.33 0.00	40.00 1.54 0.00	34.52 1.58 0.00	28.43 1.35 0.00	27.84 1.48 0.00	27.69 1.49 0.00	28.94 1.61 0.00	31.44 1.79 -0.22	34.03 2.06 -0.26	38.30 2.38 -0.47	45.80 2.01 0.00	65.60 2.28 0.00	75.65 2.35 0.00	71.90 1.82 0.00	50.62 1.23 0.00	44.16 1.74 0.00	39.22 2.11 -0.01	35.69 1.83 -0.01
ASTORIA_GT2_3 24096	33.09 1.52 -0.01	29.20 1.28 -0.01	27.96 1.15 -0.01	26.28 1.06 -0.01	26.56 1.05 -0.01	29.08 1.20 0.00	38.36 1.33 0.00	40.00 1.54 0.00	34.52 1.58 0.00	28.43 1.35 0.00	27.84 1.48 0.00	27.69 1.49 0.00	28.94 1.61 0.00	31.44 1.79 -0.22	34.03 2.06 -0.26	38.30 2.38 -0.47	45.80 2.01 0.00	65.60 2.28 0.00	75.65 2.35 0.00	71.90 1.82 0.00	50.62 1.23 0.00	44.16 1.74 0.00	39.22 2.11 -0.01	35.69 1.83 -0.01
ASTORIA_GT2_4 24097	33.09 1.52 -0.01	29.20 1.28 -0.01	27.96 1.15 -0.01	26.28 1.06 -0.01	26.56 1.05 -0.01	29.08 1.20 0.00	38.36 1.33 0.00	40.00 1.54 0.00	34.52 1.58 0.00	28.43 1.35 0.00	27.84 1.48 0.00	27.69 1.49 0.00	28.94 1.61 0.00	31.44 1.79 -0.22	34.03 2.06 -0.26	38.30 2.38 -0.47	45.80 2.01 0.00	65.60 2.28 0.00	75.65 2.35 0.00	71.90 1.82 0.00	50.62 1.23 0.00	44.16 1.74 0.00	39.22 2.11 -0.01	35.69 1.83 -0.01
ASTORIA_GT3_1 24098	33.09 1.52 -0.01	29.20 1.28 -0.01	27.96 1.15 -0.01	26.28 1.06 -0.01	26.56 1.05 -0.01	29.08 1.20 0.00	38.36 1.33 0.00	40.00 1.54 0.00	34.52 1.58 0.00	28.43 1.35 0.00	27.84 1.48 0.00	27.69 1.49 0.00	28.94 1.61 0.00	31.44 1.79 -0.22	34.03 2.06 -0.26	38.30 2.38 -0.47	45.80 2.01 0.00	65.60 2.28 0.00	75.65 2.35 0.00	71.90 1.82 0.00	50.62 1.23 0.00	44.16 1.74 0.00	39.22 2.11 -0.01	35.69 1.83 -0.01
ASTORIA_GT3_2 24099	33.09 1.52 -0.01	29.20 1.28 -0.01	27.96 1.15 -0.01	26.28 1.06 -0.01	26.56 1.05 -0.01	29.08 1.20 0.00	38.36 1.33 0.00	40.00 1.54 0.00	34.52 1.58 0.00	28.43 1.35 0.00	27.84 1.48 0.00	27.69 1.49 0.00	28.94 1.61 0.00	31.44 1.79 -0.22	34.03 2.06 -0.26	38.30 2.38 -0.47	45.80 2.01 0.00	65.60 2.28 0.00	75.65 2.35 0.00	71.90 1.82 0.00	50.62 1.23 0.00	44.16 1.74 0.00	39.22 2.11 -0.01	35.69 1.83 -0.01
ASTORIA_GT3_3 24100	33.09 1.52 -0.01	29.20 1.28 -0.01	27.96 1.15 -0.01	26.28 1.06 -0.01	26.56 1.05 -0.01	29.08 1.20 0.00	38.36 1.33 0.00	40.00 1.54 0.00	34.52 1.58 0.00	28.43 1.35 0.00	27.84 1.48 0.00	27.69 1.49 0.00	28.94 1.61 0.00	31.44 1.79 -0.22	34.03 2.06 -0.26	38.30 2.38 -0.47	45.80 2.01 0.00	65.60 2.28 0.00	75.65 2.35 0.00	71.90 1.82 0.00	50.62 1.23 0.00	44.16 1.74 0.00	39.22 2.11 -0.01	35.69 1.83 -0.01
ASTORIA_GT3_4 24101	33.09 1.52 -0.01	29.20 1.28 -0.01	27.96 1.15 -0.01	26.28 1.06 -0.01	26.56 1.05 -0.01	29.08 1.20 0.00	38.36 1.33 0.00	40.00 1.54 0.00	34.52 1.58 0.00	28.43 1.35 0.00	27.84 1.48 0.00	27.69 1.49 0.00	28.94 1.61 0.00	31.44 1.79 -0.22	34.03 2.06 -0.26	38.30 2.38 -0.47	45.80 2.01 0.00	65.60 2.28 0.00	75.65 2.35 0.00	71.90 1.82 0.00	50.62 1.23 0.00	44.16 1.74 0.00	39.22 2.11 -0.01	35.69 1.83 -0.01
ASTORIA_GT4_1 24102	33.09 1.52 -0.01	29.20 1.28 -0.01	27.96 1.15 -0.01	26.28 1.06 -0.01	26.56 1.05 -0.01	29.08 1.20 0.00	38.36 1.33 0.00	40.00 1.54 0.00	34.52 1.58 0.00	28.43 1.35 0.00	27.84 1.48 0.00	27.69 1.49 0.00	28.94 1.61 0.00	31.44 1.79 -0.22	34.03 2.06 -0.26	38.30 2.38 -0.47	45.80 2.01 0.00	65.60 2.28 0.00	75.65 2.35 0.00	71.90 1.82 0.00	50.62 1.23 0.00	44.16 1.74 0.00	39.22 2.11 -0.01	35.69 1.83 -0.01
ASTORIA_GT4_2 24103	33.09 1.52 -0.01	29.20 1.28 -0.01	27.96 1.15 -0.01	26.28 1.06 -0.01	26.56 1.05 -0.01	29.08 1.20 0.00	38.36 1.33 0.00	40.00 1.54 0.00	34.52 1.58 0.00	28.43 1.35 0.00	27.84 1.48 0.00	27.69 1.49 0.00	28.94 1.61 0.00	31.44 1.79 -0.22	34.03 2.06 -0.26	38.30 2.38 -0.47	45.80 2.01 0.00	65.60 2.28 0.00	75.65 2.35 0.00	71.90 1.82 0.00	50.62 1.23 0.00	44.16 1.74 0.00	39.22 2.11 -0.01	35.69 1.83 -0.01
ASTORIA_GT4_3 24104	33.09 1.52 -0.01	29.20 1.28 -0.01	27.96 1.15 -0.01	26.28 1.06 -0.01	26.56 1.05 -0.01	29.08 1.20 0.00	38.36 1.33 0.00	40.00 1.54 0.00	34.52 1.58 0.00	28.43 1.35 0.00	27.84 1.48 0.00	27.69 1.49 0.00	28.94 1.61 0.00	31.44 1.79 -0.22	34.03 2.06 -0.26	38.30 2.38 -0.47	45.80 2.01 0.00	65.60 2.28 0.00	75.65 2.35 0.00	71.90 1.82 0.00	50.62 1.23 0.00	44.16 1.74 0.00	39.22 2.11 -0.01	35.69 1.83 -0.01



ASTORIA_GT4_4 24105	33.09 1.52 -0.01	29.20 1.28 -0.01	27.96 1.15 -0.01	26.28 1.06 -0.01	26.56 1.05 -0.01	29.08 1.20 0.00	38.36 1.33 0.00	40.00 1.54 0.00	34.52 1.58 0.00	28.43 1.35 0.00	27.84 1.48 0.00	27.69 1.49 0.00	28.94 1.61 0.00	31.44 1.79 -0.22	34.03 2.06 -0.26	38.30 2.38 -0.47	45.80 2.01 0.00	65.60 2.28 0.00	75.65 2.35 0.00	71.90 1.82 0.00	50.62 1.23 0.00	44.16 1.74 0.00	39.22 2.11 -0.01	35.69 1.83 -0.01
ASTORIA_GT_1 23523	33.16 1.58 -0.01	29.23 1.31 -0.01	27.99 1.18 -0.01	26.31 1.08 -0.01	26.62 1.10 -0.01	29.13 1.25 0.00	38.44 1.41 0.00	40.08 1.62 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.10 2.12 -0.26	38.37 2.45 -0.47	45.89 2.10 0.00	65.73 2.41 0.00	75.80 2.49 0.00	72.04 1.96 0.00	50.77 1.38 0.00	44.25 1.82 0.00	39.25 2.15 -0.01	35.75 1.90 -0.01
ASTORIA_GT_10 24110	32.97 1.39 -0.01	29.17 1.26 -0.01	27.93 1.13 -0.01	26.26 1.03 -0.01	26.56 1.05 -0.01	29.11 1.23 0.00	38.51 1.48 0.00	40.19 1.73 0.00	34.68 1.75 0.00	28.54 1.46 0.00	27.98 1.61 0.00	27.79 1.60 0.00	29.05 1.72 0.00	31.55 1.91 -0.22	34.16 2.19 -0.26	38.41 2.48 -0.47	46.02 2.23 0.00	65.92 2.60 0.00	76.02 2.71 0.00	72.18 2.10 0.00	50.87 1.48 0.00	44.33 1.91 0.00	39.18 2.08 -0.01	35.72 1.86 -0.01
ASTORIA_GT_11 24225	32.97 1.39 -0.01	29.17 1.26 -0.01	27.93 1.13 -0.01	26.26 1.03 -0.01	26.56 1.05 -0.01	29.11 1.23 0.00	38.51 1.48 0.00	40.19 1.73 0.00	34.68 1.75 0.00	28.54 1.46 0.00	27.98 1.61 0.00	27.79 1.60 0.00	29.05 1.72 0.00	31.55 1.91 -0.22	34.16 2.19 -0.26	38.41 2.48 -0.47	46.02 2.23 0.00	65.92 2.60 0.00	76.02 2.71 0.00	72.18 2.10 0.00	50.87 1.48 0.00	44.33 1.91 0.00	39.18 2.08 -0.01	35.72 1.86 -0.01
ASTORIA_GT_12 24226	32.97 1.39 -0.01	29.17 1.26 -0.01	27.93 1.13 -0.01	26.26 1.03 -0.01	26.56 1.05 -0.01	29.11 1.23 0.00	38.51 1.48 0.00	40.19 1.73 0.00	34.68 1.75 0.00	28.54 1.46 0.00	27.98 1.61 0.00	27.79 1.60 0.00	29.05 1.72 0.00	31.55 1.91 -0.22	34.16 2.19 -0.26	38.41 2.48 -0.47	46.02 2.23 0.00	65.92 2.60 0.00	76.02 2.71 0.00	72.18 2.10 0.00	50.87 1.48 0.00	44.33 1.91 0.00	39.18 2.08 -0.01	35.72 1.86 -0.01
ASTORIA_GT_13 24227	32.97 1.39 -0.01	29.17 1.26 -0.01	27.93 1.13 -0.01	26.26 1.03 -0.01	26.56 1.05 -0.01	29.11 1.23 0.00	38.51 1.48 0.00	40.19 1.73 0.00	34.68 1.75 0.00	28.54 1.46 0.00	27.98 1.61 0.00	27.79 1.60 0.00	29.05 1.72 0.00	31.55 1.91 -0.22	34.16 2.19 -0.26	38.41 2.48 -0.47	46.02 2.23 0.00	65.92 2.60 0.00	76.02 2.71 0.00	72.18 2.10 0.00	50.87 1.48 0.00	44.33 1.91 0.00	39.18 2.08 -0.01	35.72 1.86 -0.01
ASTORIA_GT_5 24106	33.16 1.58 -0.01	29.23 1.31 -0.01	27.99 1.18 -0.01	26.31 1.08 -0.01	26.62 1.10 -0.01	29.13 1.25 0.00	38.44 1.41 0.00	40.08 1.62 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.10 2.12 -0.26	38.37 2.45 -0.47	45.89 2.10 0.00	65.73 2.41 0.00	75.80 2.49 0.00	72.04 1.96 0.00	50.77 1.38 0.00	44.25 1.82 0.00	39.25 2.15 -0.01	35.75 1.90 -0.01
ASTORIA_GT_7 24107	33.16 1.58 -0.01	29.23 1.31 -0.01	27.99 1.18 -0.01	26.31 1.08 -0.01	26.62 1.10 -0.01	29.13 1.25 0.00	38.44 1.41 0.00	40.08 1.62 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.10 2.12 -0.26	38.37 2.45 -0.47	45.89 2.10 0.00	65.73 2.41 0.00	75.80 2.49 0.00	72.04 1.96 0.00	50.77 1.38 0.00	44.25 1.82 0.00	39.25 2.15 -0.01	35.75 1.90 -0.01
ASTORIA_GT_8 24108	33.16 1.58 -0.01	29.23 1.31 -0.01	27.99 1.18 -0.01	26.31 1.08 -0.01	26.62 1.10 -0.01	29.13 1.25 0.00	38.44 1.41 0.00	40.08 1.62 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.10 2.12 -0.26	38.37 2.45 -0.47	45.89 2.10 0.00	65.73 2.41 0.00	75.80 2.49 0.00	72.04 1.96 0.00	50.77 1.38 0.00	44.25 1.82 0.00	39.25 2.15 -0.01	35.75 1.90 -0.01
ASTORIA___2 24149	33.09 1.52 -0.01	29.18 1.26 -0.01	27.96 1.15 -0.01	26.21 0.98 -0.01	26.56 1.05 -0.01	29.02 1.14 0.00	38.36 1.33 0.00	39.99 1.54 0.01	34.51 1.58 0.01	28.40 1.33 0.01	27.84 1.48 0.01	27.68 1.49 0.01	28.93 1.61 0.01	31.40 1.77 -0.21	34.02 2.06 -0.26	38.37 2.44 -0.47	45.80 2.02 0.01	65.59 2.28 0.01	75.64 2.35 0.01	71.89 1.82 0.01	50.61 1.24 0.01	44.12 1.70 0.00	39.25 2.15 -0.01	35.65 1.79 -0.01
ASTORIA___3 23516	32.96 1.39 -0.01	29.15 1.23 -0.01	27.93 1.13 -0.01	26.18 0.96 -0.01	26.54 1.02 -0.01	29.05 1.17 0.00	38.47 1.44 0.00	40.19 1.73 0.00	34.68 1.74 0.00	28.51 1.43 0.00	27.98 1.61 0.00	27.79 1.60 0.00	29.05 1.72 0.00	31.55 1.91 -0.22	34.16 2.19 -0.26	38.48 2.55 -0.47	46.02 2.23 0.00	65.92 2.60 0.00	76.02 2.71 0.00	72.18 2.10 0.00	50.87 1.48 0.00	44.29 1.86 0.00	39.21 2.11 -0.01	35.72 1.86 -0.01
ASTORIA___4 23517	32.97 1.39 -0.01	29.17 1.26 -0.01	27.93 1.13 -0.01	26.26 1.03 -0.01	26.56 1.05 -0.01	29.11 1.23 0.00	38.51 1.48 0.00	40.19 1.73 0.00	34.68 1.75 0.00	28.54 1.46 0.00	27.98 1.61 0.00	27.79 1.60 0.00	29.05 1.72 0.00	31.55 1.91 -0.22	34.16 2.19 -0.26	38.41 2.48 -0.47	46.02 2.23 0.00	65.92 2.60 0.00	76.02 2.71 0.00	72.18 2.10 0.00	50.87 1.48 0.00	44.33 1.91 0.00	39.18 2.08 -0.01	35.72 1.86 -0.01
ASTORIA___5 23518	32.96 1.39 -0.01	29.15 1.23 -0.01	27.93 1.13 -0.01	26.18 0.96 -0.01	26.54 1.02 -0.01	29.05 1.17 0.00	38.47 1.44 0.00	40.19 1.73 0.00	34.68 1.74 0.00	28.51 1.43 0.00	27.98 1.61 0.00	27.79 1.60 0.00	29.05 1.72 0.00	31.55 1.91 -0.22	34.16 2.19 -0.26	38.48 2.55 -0.47	46.02 2.23 0.00	65.92 2.60 0.00	76.02 2.71 0.00	72.18 2.10 0.00	50.87 1.48 0.00	44.29 1.86 0.00	39.21 2.11 -0.01	35.72 1.86 -0.01
AST_ENERGY_2_CC3 323677	23.33 1.20 9.44	23.60 0.98 5.29	23.33 0.86 4.33	23.33 0.71 2.59	23.33 0.79 2.97	23.33 0.87 5.41	25.51 0.96 12.48	26.06 1.15 13.55	23.33 1.25 10.86	23.33 1.06 4.80	24.98 1.21 2.60	24.98 1.23 2.45	24.98 1.31 3.66	24.98 1.47 5.91	24.98 1.74 8.47	24.98 2.09 12.57	25.97 1.57 19.39	45.27 1.64 19.69	56.84 1.61 18.08	52.92 1.12 18.27	31.54 0.74 18.59	32.06 1.27 11.64	26.87 1.78 12.00	24.98 1.45 10.32
AST_ENERGY_2_CC4 323678	23.33 1.20 9.44	23.60 0.98 5.29	23.33 0.86 4.33	23.33 0.71 2.59	23.33 0.79 2.97	23.33 0.87 5.41	25.51 0.96 12.48	26.06 1.15 13.55	23.33 1.25 10.86	23.33 1.06 4.80	24.98 1.21 2.60	24.98 1.23 2.45	24.98 1.31 3.66	24.98 1.47 5.91	24.98 1.74 8.47	24.98 2.09 12.57	25.97 1.57 19.39	45.27 1.64 19.69	56.84 1.61 18.08	52.92 1.12 18.27	31.54 0.74 18.59	32.06 1.27 11.64	26.87 1.78 12.00	24.98 1.45 10.32



ATHENS_STG_1 23668	32.17 0.60 0.00	28.44 0.53 0.00	27.28 0.48 0.00	25.62 0.40 0.00	25.94 0.43 0.00	28.41 0.53 0.00	37.81 0.78 0.00	39.42 0.96 0.00	33.73 0.79 0.00	27.70 0.62 0.00	27.05 0.68 0.00	26.82 0.63 0.00	28.01 0.68 0.00	30.28 0.74 -0.12	32.68 0.82 -0.15	36.72 0.99 -0.27	44.71 0.92 0.00	64.40 1.08 0.00	74.19 0.88 0.00	70.64 0.56 0.00	49.93 0.54 0.00	43.19 0.76 0.00	37.87 0.78 0.00	34.49 0.64 0.00
ATHENS_STG_2 23670	32.17 0.60 0.00	28.44 0.53 0.00	27.28 0.48 0.00	25.62 0.40 0.00	25.94 0.43 0.00	28.41 0.53 0.00	37.81 0.78 0.00	39.42 0.96 0.00	33.73 0.79 0.00	27.70 0.62 0.00	27.05 0.68 0.00	26.82 0.63 0.00	28.01 0.68 0.00	30.28 0.74 -0.12	32.68 0.82 -0.15	36.72 0.99 -0.27	44.71 0.92 0.00	64.40 1.08 0.00	74.19 0.88 0.00	70.64 0.56 0.00	49.93 0.54 0.00	43.19 0.76 0.00	37.87 0.78 0.00	34.49 0.64 0.00
ATHENS_STG_3 23677	32.17 0.60 0.00	28.44 0.53 0.00	27.28 0.48 0.00	25.62 0.40 0.00	25.94 0.43 0.00	28.41 0.53 0.00	37.81 0.78 0.00	39.42 0.96 0.00	33.73 0.79 0.00	27.70 0.62 0.00	27.05 0.68 0.00	26.82 0.63 0.00	28.01 0.68 0.00	30.28 0.74 -0.12	32.68 0.82 -0.15	36.72 0.99 -0.27	44.71 0.92 0.00	64.40 1.08 0.00	74.19 0.88 0.00	70.64 0.56 0.00	49.93 0.54 0.00	43.19 0.76 0.00	37.87 0.78 0.00	34.49 0.64 0.00
AUBURN___LFGE 323710	31.76 0.19 0.00	28.08 0.17 0.00	26.93 0.13 0.00	25.32 0.10 0.00	25.59 0.08 0.00	27.88 0.00 0.00	36.96 -0.07 0.00	38.31 -0.15 0.00	32.87 -0.07 0.00	27.05 -0.03 0.00	26.32 -0.05 0.00	26.14 -0.05 0.00	27.30 -0.03 0.00	29.42 0.00 0.00	31.65 -0.06 0.00	35.46 0.00 0.00	43.96 0.18 0.00	63.57 0.25 0.00	73.89 0.59 0.00	70.71 0.63 0.00	49.83 0.44 0.00	42.51 0.08 0.00	37.17 0.07 0.00	34.02 0.17 0.00
BABYLON_RES_REC 323704	32.52 0.95 0.00	28.52 0.61 0.00	27.25 0.46 0.01	25.52 0.30 0.00	25.89 0.38 0.00	28.29 0.42 0.01	37.65 0.63 0.01	39.37 0.92 0.01	33.96 1.02 0.00	27.92 0.84 0.00	27.69 1.32 0.00	27.48 1.28 0.00	28.80 1.47 0.00	31.41 1.77 -0.22	34.17 2.19 -0.27	38.52 2.59 -0.48	45.67 1.88 0.00	64.96 1.64 0.01	75.06 1.76 0.01	71.33 1.26 0.01	50.28 0.89 0.00	44.08 1.65 0.00	39.17 2.08 0.00	35.41 1.56 0.00
BALL_HILL_WT_PWR 323825	31.66 0.09 0.00	27.88 -0.03 0.00	26.80 0.00 0.00	25.40 0.18 0.00	25.46 -0.05 0.00	27.41 -0.47 0.00	35.55 -1.48 0.00	36.27 -2.19 0.00	31.65 -1.29 0.00	26.73 -0.35 0.00	26.16 -0.21 0.00	26.04 -0.16 0.00	27.27 -0.05 0.00	29.45 0.03 0.00	31.55 -0.16 0.00	34.82 -0.64 0.00	43.13 -0.66 0.00	60.91 -2.41 0.00	71.03 -2.27 0.00	67.62 -2.45 0.00	47.80 -1.58 0.00	40.22 -2.21 0.00	35.68 -1.41 0.00	33.41 -0.44 0.00
BARON_WINDS___WT_PWR 323822	31.73 0.16 0.00	27.99 0.08 0.00	26.91 0.11 0.00	25.40 0.18 0.00	25.56 0.05 0.00	27.69 -0.19 0.00	36.29 -0.74 0.00	37.31 -1.15 0.00	32.21 -0.72 0.00	26.78 -0.30 0.00	26.05 -0.32 0.00	25.91 -0.29 0.00	27.08 -0.25 0.00	29.25 -0.18 0.00	31.39 -0.32 0.00	34.89 -0.57 0.00	43.31 -0.48 0.00	62.12 -1.21 0.00	72.65 -0.66 0.00	69.24 -0.84 0.00	48.84 -0.54 0.00	41.32 -1.10 0.00	36.39 -0.71 0.00	33.78 -0.07 0.00
BARRETT_IC_1 23704	32.42 0.85 0.00	28.47 0.56 0.00	27.23 0.43 0.00	25.52 0.30 0.00	25.87 0.36 0.00	28.30 0.42 0.00	37.58 0.56 0.01	39.26 0.81 0.01	33.96 1.02 0.00	27.89 0.81 0.00	27.63 1.27 0.00	27.43 1.23 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	33.92 1.93 -0.27	38.06 2.13 -0.47	45.36 1.57 0.00	64.51 1.20 0.01	74.33 1.03 0.01	70.63 0.56 0.01	50.03 0.64 0.00	43.78 1.36 0.00	38.76 1.67 0.00	35.14 1.29 0.00
BARRETT_IC_10 23701	32.42 0.85 0.00	28.47 0.56 0.00	27.23 0.43 0.00	25.52 0.30 0.00	25.87 0.36 0.00	28.30 0.42 0.00	37.58 0.56 0.01	39.26 0.81 0.01	33.96 1.02 0.00	27.89 0.81 0.00	27.63 1.27 0.00	27.43 1.23 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	33.92 1.93 -0.27	38.06 2.13 -0.47	45.36 1.57 0.00	64.51 1.20 0.01	74.33 1.03 0.01	70.63 0.56 0.01	50.03 0.64 0.00	43.78 1.36 0.00	38.76 1.67 0.00	35.14 1.29 0.00
BARRETT_IC_11 23702	32.42 0.85 0.00	28.47 0.56 0.00	27.23 0.43 0.00	25.52 0.30 0.00	25.87 0.36 0.00	28.30 0.42 0.00	37.58 0.56 0.01	39.26 0.81 0.01	33.96 1.02 0.00	27.89 0.81 0.00	27.63 1.27 0.00	27.43 1.23 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	33.92 1.93 -0.27	38.06 2.13 -0.47	45.36 1.57 0.00	64.51 1.20 0.01	74.33 1.03 0.01	70.63 0.56 0.01	50.03 0.64 0.00	43.78 1.36 0.00	38.76 1.67 0.00	35.14 1.29 0.00
BARRETT_IC_12 23703	32.42 0.85 0.00	28.47 0.56 0.00	27.23 0.43 0.00	25.52 0.30 0.00	25.87 0.36 0.00	28.30 0.42 0.00	37.58 0.56 0.01	39.26 0.81 0.01	33.96 1.02 0.00	27.89 0.81 0.00	27.63 1.27 0.00	27.43 1.23 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	33.92 1.93 -0.27	38.06 2.13 -0.47	45.36 1.57 0.00	64.51 1.20 0.01	74.33 1.03 0.01	70.63 0.56 0.01	50.03 0.64 0.00	43.78 1.36 0.00	38.76 1.67 0.00	35.14 1.29 0.00
BARRETT_IC_2 23705	32.42 0.85 0.00	28.47 0.56 0.00	27.23 0.43 0.00	25.52 0.30 0.00	25.87 0.36 0.00	28.30 0.42 0.00	37.58 0.56 0.01	39.26 0.81 0.01	33.96 1.02 0.00	27.89 0.81 0.00	27.63 1.27 0.00	27.43 1.23 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	33.92 1.93 -0.27	38.06 2.13 -0.47	45.36 1.57 0.00	64.51 1.20 0.01	74.33 1.03 0.01	70.63 0.56 0.01	50.03 0.64 0.00	43.78 1.36 0.00	38.76 1.67 0.00	35.14 1.29 0.00
BARRETT_IC_3 23706	32.42 0.85 0.00	28.47 0.56 0.00	27.23 0.43 0.00	25.52 0.30 0.00	25.87 0.36 0.00	28.30 0.42 0.00	37.58 0.56 0.01	39.26 0.81 0.01	33.96 1.02 0.00	27.89 0.81 0.00	27.63 1.27 0.00	27.43 1.23 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	33.92 1.93 -0.27	38.06 2.13 -0.47	45.36 1.57 0.00	64.51 1.20 0.01	74.33 1.03 0.01	70.63 0.56 0.01	50.03 0.64 0.00	43.78 1.36 0.00	38.76 1.67 0.00	35.14 1.29 0.00
BARRETT_IC_4 23707	32.42 0.85 0.00	28.47 0.56 0.00	27.23 0.43 0.00	25.52 0.30 0.00	25.87 0.36 0.00	28.30 0.42 0.00	37.58 0.56 0.01	39.26 0.81 0.01	33.96 1.02 0.00	27.89 0.81 0.00	27.63 1.27 0.00	27.43 1.23 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	33.92 1.93 -0.27	38.06 2.13 -0.47	45.36 1.57 0.00	64.51 1.20 0.01	74.33 1.03 0.01	70.63 0.56 0.01	50.03 0.64 0.00	43.78 1.36 0.00	38.76 1.67 0.00	35.14 1.29 0.00
BARRETT_IC_5 23708	32.42 0.85 0.00	28.47 0.56 0.00	27.23 0.43 0.00	25.52 0.30 0.00	25.87 0.36 0.00	28.30 0.42 0.00	37.58 0.56 0.01	39.26 0.81 0.01	33.96 1.02 0.00	27.89 0.81 0.00	27.63 1.27 0.00	27.43 1.23 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	33.92 1.93 -0.27	38.06 2.13 -0.47	45.36 1.57 0.00	64.51 1.20 0.01	74.33 1.03 0.01	70.63 0.56 0.01	50.03 0.64 0.00	43.78 1.36 0.00	38.76 1.67 0.00	35.14 1.29 0.00



BARRETT_IC_6 23709	32.42 0.85 0.00	28.47 0.56 0.00	27.23 0.43 0.00	25.52 0.30 0.00	25.87 0.36 0.00	28.30 0.42 0.00	37.58 0.56 0.01	39.26 0.81 0.01	33.96 1.02 0.00	27.89 0.81 0.00	27.63 1.27 0.00	27.43 1.23 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	33.92 1.93 -0.27	38.06 2.13 -0.47	45.36 1.57 0.00	64.51 1.20 0.01	74.33 1.03 0.01	70.63 0.56 0.01	50.03 0.64 0.00	43.78 1.36 0.00	38.76 1.67 0.00	35.14 1.29 0.00
BARRETT_IC_7 23710	32.42 0.85 0.00	28.50 0.59 0.00	27.25 0.46 0.00	25.60 0.38 0.00	25.89 0.38 0.00	28.38 0.50 0.00	37.62 0.59 0.01	39.26 0.81 0.01	33.96 1.02 0.00	27.92 0.84 0.00	27.63 1.27 0.00	27.43 1.23 0.00	28.72 1.39 0.00	31.32 1.68 -0.22	33.92 1.93 -0.27	38.06 2.13 -0.47	45.37 1.58 0.00	64.39 1.08 0.01	74.33 1.03 0.01	70.63 0.56 0.01	50.03 0.64 0.00	43.82 1.40 0.00	38.72 1.63 0.00	35.17 1.32 0.00
BARRETT_IC_8 23711	32.42 0.85 0.00	28.47 0.56 0.00	27.23 0.43 0.00	25.52 0.30 0.00	25.87 0.36 0.00	28.30 0.42 0.00	37.58 0.56 0.01	39.26 0.81 0.01	33.96 1.02 0.00	27.89 0.81 0.00	27.63 1.27 0.00	27.43 1.23 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	33.92 1.93 -0.27	38.06 2.13 -0.47	45.36 1.57 0.00	64.51 1.20 0.01	74.33 1.03 0.01	70.63 0.56 0.01	50.03 0.64 0.00	43.78 1.36 0.00	38.76 1.67 0.00	35.14 1.29 0.00
BARRETT_IC_9 23700	32.42 0.85 0.00	28.47 0.56 0.00	27.23 0.43 0.00	25.52 0.30 0.00	25.87 0.36 0.00	28.30 0.42 0.00	37.58 0.56 0.01	39.26 0.81 0.01	33.96 1.02 0.00	27.89 0.81 0.00	27.63 1.27 0.00	27.43 1.23 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	33.92 1.93 -0.27	38.06 2.13 -0.47	45.36 1.57 0.00	64.51 1.20 0.01	74.33 1.03 0.01	70.63 0.56 0.01	50.03 0.64 0.00	43.78 1.36 0.00	38.76 1.67 0.00	35.14 1.29 0.00
BARRETT___1 23545	32.42 0.85 0.00	28.47 0.56 0.00	27.23 0.43 0.00	25.52 0.30 0.00	25.87 0.36 0.00	28.30 0.42 0.00	37.58 0.56 0.01	39.26 0.81 0.01	33.96 1.02 0.00	27.89 0.81 0.00	27.63 1.27 0.00	27.43 1.23 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	33.92 1.93 -0.27	38.06 2.13 -0.47	45.36 1.57 0.00	64.51 1.20 0.01	74.33 1.03 0.01	70.63 0.56 0.01	50.03 0.64 0.00	43.78 1.36 0.00	38.76 1.67 0.00	35.14 1.29 0.00
BARRETT___2 23546	32.42 0.85 0.00	28.47 0.56 0.00	27.23 0.43 0.00	25.52 0.30 0.00	25.87 0.36 0.00	28.30 0.42 0.00	37.58 0.56 0.01	39.26 0.81 0.01	33.96 1.02 0.00	27.89 0.81 0.00	27.63 1.27 0.00	27.43 1.23 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	33.92 1.93 -0.27	38.06 2.13 -0.47	45.36 1.57 0.00	64.51 1.20 0.01	74.33 1.03 0.01	70.63 0.56 0.01	50.03 0.64 0.00	43.78 1.36 0.00	38.76 1.67 0.00	35.14 1.29 0.00
BATAVIA__115KV_TB1 55881	32.14 0.57 0.00	28.08 0.17 0.00	26.93 0.13 0.00	25.42 0.20 0.00	25.54 0.03 0.00	27.57 -0.31 0.00	35.88 -1.15 0.00	36.61 -1.85 0.00	31.92 -1.02 0.00	26.75 -0.32 0.00	26.21 -0.16 0.00	26.06 -0.13 0.00	27.33 0.00 0.00	29.45 0.03 0.00	31.33 -0.38 0.00	34.93 -0.53 0.00	43.31 -0.48 0.00	61.67 -1.65 0.00	71.91 -1.39 0.00	68.68 -1.40 0.00	48.60 -0.79 0.00	40.90 -1.53 0.00	36.24 -0.85 0.00	33.95 0.10 0.00
BAYONEEC___CTG1 323682	32.77 1.20 0.00	28.97 1.06 0.00	27.74 0.94 0.00	26.00 0.78 0.00	26.38 0.87 0.00	28.88 1.00 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.03 2.06 -0.26	38.34 2.41 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.87 1.48 0.00	44.25 1.82 0.00	38.98 1.89 0.00	35.51 1.66 0.00
BAYONEEC___CTG10 323750	32.77 1.20 0.00	28.97 1.06 0.00	27.74 0.94 0.00	26.00 0.78 0.00	26.38 0.87 0.00	28.88 1.00 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.03 2.06 -0.26	38.34 2.41 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.87 1.48 0.00	44.25 1.82 0.00	38.98 1.89 0.00	35.51 1.66 0.00
BAYONEEC___CTG2 323683	32.77 1.20 0.00	28.97 1.06 0.00	27.74 0.94 0.00	26.00 0.78 0.00	26.38 0.87 0.00	28.88 1.00 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.03 2.06 -0.26	38.34 2.41 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.87 1.48 0.00	44.25 1.82 0.00	38.98 1.89 0.00	35.51 1.66 0.00
BAYONEEC___CTG3 323684	32.77 1.20 0.00	28.97 1.06 0.00	27.74 0.94 0.00	26.00 0.78 0.00	26.38 0.87 0.00	28.88 1.00 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.03 2.06 -0.26	38.34 2.41 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.87 1.48 0.00	44.25 1.82 0.00	38.98 1.89 0.00	35.51 1.66 0.00
BAYONEEC___CTG4 323685	32.77 1.20 0.00	28.97 1.06 0.00	27.74 0.94 0.00	26.00 0.78 0.00	26.38 0.87 0.00	28.88 1.00 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.03 2.06 -0.26	38.34 2.41 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.87 1.48 0.00	44.25 1.82 0.00	38.98 1.89 0.00	35.51 1.66 0.00
BAYONEEC___CTG5 323686	32.77 1.20 0.00	28.97 1.06 0.00	27.74 0.94 0.00	26.00 0.78 0.00	26.38 0.87 0.00	28.88 1.00 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.03 2.06 -0.26	38.34 2.41 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.87 1.48 0.00	44.25 1.82 0.00	38.98 1.89 0.00	35.51 1.66 0.00
BAYONEEC___CTG6 323687	32.77 1.20 0.00	28.97 1.06 0.00	27.74 0.94 0.00	26.00 0.78 0.00	26.38 0.87 0.00	28.88 1.00 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.03 2.06 -0.26	38.34 2.41 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.87 1.48 0.00	44.25 1.82 0.00	38.98 1.89 0.00	35.51 1.66 0.00
BAYONEEC___CTG7 323688	32.77 1.20 0.00	28.97 1.06 0.00	27.74 0.94 0.00	26.00 0.78 0.00	26.38 0.87 0.00	28.88 1.00 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.03 2.06 -0.26	38.34 2.41 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.87 1.48 0.00	44.25 1.82 0.00	38.98 1.89 0.00	35.51 1.66 0.00



BAYONEEC___CTG8 323689	32.77 1.20 0.00	28.97 1.06 0.00	27.74 0.94 0.00	26.00 0.78 0.00	26.38 0.87 0.00	28.88 1.00 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.03 2.06 -0.26	38.34 2.41 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.87 1.48 0.00	44.25 1.82 0.00	38.98 1.89 0.00	35.51 1.66 0.00
BAYONEEC___CTG9 323749	32.77 1.20 0.00	28.97 1.06 0.00	27.74 0.94 0.00	26.00 0.78 0.00	26.38 0.87 0.00	28.88 1.00 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.03 2.06 -0.26	38.34 2.41 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.87 1.48 0.00	44.25 1.82 0.00	38.98 1.89 0.00	35.51 1.66 0.00
BEACON___LESR 323632	32.01 0.44 0.00	28.27 0.36 0.00	27.17 0.38 0.00	25.54 0.33 0.00	25.84 0.33 0.00	28.30 0.42 0.00	37.70 0.67 0.00	39.23 0.77 0.00	33.40 0.46 0.00	27.35 0.27 0.00	26.60 0.24 0.00	26.35 0.16 0.00	27.46 0.14 0.00	29.50 0.21 0.13	31.90 0.35 0.16	35.54 0.35 0.27	44.14 0.35 0.00	63.77 0.45 0.00	73.67 0.44 0.08	70.33 0.28 0.03	49.63 0.25 0.00	42.80 0.38 0.00	37.46 0.37 0.00	34.09 0.24 0.00
BEAVER RIVER___HYD 24048	31.85 0.28 0.00	28.22 0.31 0.00	27.17 0.38 0.00	25.52 0.30 0.00	25.92 0.41 0.00	28.52 0.64 0.00	37.88 0.85 0.00	39.30 0.85 0.00	33.50 0.56 0.00	27.24 0.16 0.00	26.42 0.05 0.00	26.27 0.08 0.00	27.38 0.05 0.00	29.39 -0.03 0.00	31.45 -0.25 0.00	35.32 -0.14 0.00	43.92 0.13 0.00	64.21 0.89 0.00	75.14 1.83 0.00	72.11 2.03 0.00	50.47 1.09 0.00	43.19 0.76 0.00	37.61 0.52 0.00	34.29 0.44 0.00
BEEBEE_GT_13 23619	31.66 0.09 0.00	27.91 0.00 0.00	26.77 -0.03 0.00	25.24 0.03 0.00	25.41 -0.10 0.00	27.52 -0.36 0.00	36.25 -0.78 0.00	37.34 -1.12 0.00	32.31 -0.63 0.00	26.86 -0.22 0.00	26.26 -0.11 0.00	26.12 -0.08 0.00	27.35 0.03 0.00	29.42 0.00 0.00	31.46 -0.25 0.00	35.14 -0.32 0.00	43.53 -0.26 0.00	62.37 -0.95 0.00	72.50 -0.81 0.00	69.31 -0.77 0.00	48.99 -0.40 0.00	41.58 -0.85 0.00	36.57 -0.52 0.00	33.71 -0.14 0.00
BENSHRST_27_KV_BENSHRST_1 355998	33.06 1.48 -0.01	29.17 1.26 -0.01	27.93 1.13 -0.01	26.26 1.03 -0.01	26.56 1.05 -0.01	29.13 1.25 0.00	38.44 1.41 0.00	40.15 1.69 0.00	34.68 1.75 0.00	28.57 1.49 0.00	27.98 1.61 0.00	27.84 1.65 0.00	29.10 1.78 0.00	31.64 2.00 -0.22	34.26 2.28 -0.26	38.48 2.55 -0.47	45.98 2.19 0.00	66.04 2.72 0.00	76.17 2.86 0.00	72.39 2.31 0.00	50.97 1.58 0.00	44.33 1.91 0.00	39.22 2.11 -0.01	35.75 1.90 -0.01
BETHLEHEM___GRP 23843	31.60 0.03 0.00	27.94 0.03 0.00	26.83 0.03 0.00	25.24 0.03 0.00	25.51 0.00 0.00	27.96 0.08 0.00	37.18 0.15 0.00	38.73 0.27 0.00	33.00 0.07 0.00	27.05 -0.03 0.00	26.34 -0.03 0.00	26.12 -0.08 0.00	27.25 -0.08 0.00	29.24 -0.06 0.12	31.63 0.06 0.15	35.17 -0.04 0.26	43.57 -0.22 0.00	62.88 -0.44 0.00	72.57 -0.73 0.00	69.24 -0.84 0.00	48.89 -0.49 0.00	42.21 -0.21 0.00	36.91 -0.19 0.00	33.65 -0.20 0.00
BETHLEHEM___GS1 323560	31.60 0.03 0.00	27.91 0.00 0.00	26.83 0.03 0.00	25.22 0.00 0.00	25.51 0.00 0.00	27.94 0.06 0.00	37.18 0.15 0.00	38.73 0.27 0.00	33.00 0.07 0.00	27.05 -0.03 0.00	26.34 -0.03 0.00	26.12 -0.08 0.00	27.25 -0.08 0.00	29.24 -0.06 0.12	31.59 0.03 0.15	35.17 -0.04 0.26	43.57 -0.22 0.00	62.88 -0.44 0.00	72.57 -0.73 0.00	69.24 -0.84 0.00	48.89 -0.49 0.00	42.21 -0.21 0.00	36.91 -0.18 0.00	33.61 -0.24 0.00
BETHLEHEM___GS2 323561	31.60 0.03 0.00	27.91 0.00 0.00	26.83 0.03 0.00	25.22 0.00 0.00	25.51 0.00 0.00	27.94 0.06 0.00	37.18 0.15 0.00	38.73 0.27 0.00	33.00 0.07 0.00	27.05 -0.03 0.00	26.34 -0.03 0.00	26.12 -0.08 0.00	27.25 -0.08 0.00	29.24 -0.06 0.12	31.59 0.03 0.15	35.17 -0.04 0.26	43.57 -0.22 0.00	62.88 -0.44 0.00	72.57 -0.73 0.00	69.24 -0.84 0.00	48.89 -0.49 0.00	42.21 -0.21 0.00	36.91 -0.18 0.00	33.61 -0.24 0.00
BETHLEHEM___GS3 323562	31.60 0.03 0.00	27.91 0.00 0.00	26.83 0.03 0.00	25.22 0.00 0.00	25.51 0.00 0.00	27.94 0.06 0.00	37.18 0.15 0.00	38.73 0.27 0.00	33.00 0.07 0.00	27.05 -0.03 0.00	26.34 -0.03 0.00	26.12 -0.08 0.00	27.25 -0.08 0.00	29.24 -0.06 0.12	31.59 0.03 0.15	35.17 -0.04 0.26	43.57 -0.22 0.00	62.88 -0.44 0.00	72.57 -0.73 0.00	69.24 -0.84 0.00	48.89 -0.49 0.00	42.21 -0.21 0.00	36.91 -0.18 0.00	33.61 -0.24 0.00
BETHLEHEM___STEEL 23779	31.66 0.09 0.00	27.83 -0.08 0.00	26.69 -0.11 0.00	25.17 -0.05 0.00	25.31 -0.20 0.00	27.18 -0.70 0.00	35.44 -1.59 0.00	36.08 -2.38 0.00	31.59 -1.35 0.00	26.56 -0.51 0.00	26.05 -0.32 0.00	25.96 -0.24 0.00	27.19 -0.14 0.00	29.33 -0.09 0.00	31.20 -0.51 0.00	34.71 -0.74 0.00	42.91 -0.88 0.00	60.72 -2.60 0.00	70.59 -2.71 0.00	67.34 -2.73 0.00	47.66 -1.73 0.00	40.09 -2.33 0.00	35.61 -1.48 0.00	33.31 -0.54 0.00
BETHLHEM_115KV_TB1 79974	31.66 0.09 0.00	27.99 0.08 0.00	26.91 0.11 0.00	25.29 0.08 0.00	25.59 0.08 0.00	28.02 0.14 0.00	37.25 0.22 0.00	38.81 0.35 0.00	33.07 0.13 0.00	27.13 0.05 0.00	26.42 0.05 0.00	26.19 0.00 0.00	27.33 0.00 0.00	29.34 0.03 0.11	31.73 0.16 0.14	35.29 0.07 0.24	43.66 -0.13 0.00	63.00 -0.32 0.00	72.72 -0.59 0.00	69.38 -0.70 0.00	49.04 -0.35 0.00	42.30 -0.13 0.00	37.02 -0.07 0.00	33.71 -0.14 0.00
BETHPAGE_CC_5 323564	32.48 0.92 0.00	28.50 0.59 0.00	27.25 0.46 0.00	25.52 0.30 0.00	25.89 0.38 0.00	28.22 0.34 0.00	37.47 0.45 0.01	39.18 0.73 0.01	33.83 0.89 0.00	27.84 0.76 0.00	27.61 1.24 0.00	27.40 1.21 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	33.92 1.93 -0.27	38.21 2.27 -0.48	45.32 1.53 0.00	64.58 1.27 0.01	74.55 1.25 0.01	70.84 0.77 0.01	49.93 0.54 0.00	43.74 1.32 0.00	38.80 1.71 0.00	35.10 1.25 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	31.66 0.09 0.00	27.83 -0.08 0.00	26.69 -0.11 0.00	25.17 -0.05 0.00	25.31 -0.20 0.00	27.21 -0.67 0.00	35.48 -1.56 0.00	36.15 -2.31 0.00	31.62 -1.32 0.00	26.62 -0.46 0.00	26.08 -0.29 0.00	25.98 -0.21 0.00	27.22 -0.11 0.00	29.36 -0.06 0.00	31.26 -0.44 0.00	34.79 -0.67 0.00	43.00 -0.79 0.00	60.85 -2.47 0.00	70.81 -2.49 0.00	67.48 -2.59 0.00	47.76 -1.63 0.00	40.13 -2.29 0.00	35.68 -1.41 0.00	33.34 -0.51 0.00
BINGHAMTON___COGEN 23790	31.79 0.22 0.00	28.08 0.17 0.00	26.96 0.16 0.00	25.34 0.13 0.00	25.61 0.10 0.00	27.94 0.06 0.00	36.96 -0.07 0.00	38.31 -0.15 0.00	32.90 -0.03 0.00	27.16 0.08 0.00	26.45 0.08 0.00	26.27 0.08 0.00	27.44 0.11 0.00	29.61 0.15 -0.03	31.81 0.06 -0.04	35.68 0.14 -0.07	44.05 0.26 0.00	63.38 0.06 0.00	73.60 0.29 0.00	70.22 0.14 0.00	49.48 0.10 0.00	42.34 -0.08 0.00	37.09 0.00 0.00	34.05 0.20 0.00



BIXINCNT_115KV_LOAD 355685	31.54 -0.03 0.00	27.72 -0.20 0.00	26.59 -0.21 0.00	25.12 -0.10 0.00	25.26 -0.26 0.00	27.27 -0.61 0.00	35.62 -1.41 0.00	36.42 -2.04 0.00	31.78 -1.15 0.00	26.78 -0.30 0.00	26.24 -0.13 0.00	26.14 -0.05 0.00	27.35 0.03 0.00	29.48 0.06 0.00	31.39 -0.32 0.00	34.96 -0.50 0.00	43.39 -0.39 0.00	61.42 -1.90 0.00	71.62 -1.69 0.00	68.12 -1.96 0.00	48.00 -1.38 0.00	40.34 -2.08 0.00	35.83 -1.26 0.00	33.38 -0.47 0.00
BLACK RIVER___HYD 24047	32.23 0.66 0.00	28.55 0.64 0.00	27.50 0.70 0.00	25.82 0.60 0.00	26.22 0.71 0.00	28.74 0.87 0.00	38.14 1.11 0.00	39.58 1.12 0.00	33.69 0.76 0.00	27.32 0.24 0.00	26.47 0.11 0.00	26.33 0.13 0.00	27.41 0.08 0.00	29.45 0.03 0.00	31.58 -0.13 0.00	35.53 0.07 0.00	44.27 0.48 0.00	64.90 1.58 0.00	76.24 2.94 0.00	73.37 3.29 0.00	51.31 1.92 0.00	43.82 1.40 0.00	38.09 1.00 0.00	34.70 0.85 0.00
BLACKRVR_115KV_TB2 79977	32.23 0.66 0.00	28.55 0.64 0.00	27.50 0.70 0.00	25.80 0.58 0.00	26.20 0.69 0.00	28.74 0.86 0.00	38.14 1.11 0.00	39.58 1.12 0.00	33.69 0.76 0.00	27.32 0.24 0.00	26.47 0.11 0.00	26.33 0.13 0.00	27.41 0.08 0.00	29.45 0.03 0.00	31.58 -0.13 0.00	35.53 0.07 0.00	44.27 0.48 0.00	64.90 1.58 0.00	76.24 2.93 0.00	73.37 3.29 0.00	51.31 1.93 0.00	43.82 1.40 0.00	38.09 1.00 0.00	34.66 0.81 0.00
BLDWN_LI_69_KV_BK4 356085	32.58 1.01 0.00	28.61 0.70 0.00	27.34 0.54 0.00	25.70 0.48 0.00	25.97 0.46 0.00	28.46 0.59 0.00	37.76 0.74 0.01	39.45 1.00 0.01	34.06 1.12 0.00	28.03 0.95 0.00	27.77 1.40 0.00	27.56 1.36 0.00	28.86 1.53 0.00	31.47 1.82 -0.22	34.14 2.16 -0.28	38.38 2.45 -0.48	45.76 1.97 0.00	65.15 1.84 0.01	75.21 1.91 0.01	71.47 1.40 0.01	50.47 1.09 0.00	44.16 1.74 0.00	39.06 1.97 0.00	35.41 1.56 0.00
BLISS_WT_PWR 323608	31.51 -0.06 0.00	27.74 -0.17 0.00	26.72 -0.08 0.00	25.32 0.10 0.00	25.41 -0.10 0.00	27.43 -0.45 0.00	35.66 -1.37 0.00	36.46 -2.00 0.00	31.78 -1.15 0.00	26.86 -0.22 0.00	26.26 -0.11 0.00	26.14 -0.05 0.00	27.38 0.05 0.00	29.57 0.15 0.00	31.68 -0.03 0.00	35.00 -0.46 0.00	43.44 -0.35 0.00	61.36 -1.96 0.00	71.62 -1.68 0.00	68.19 -1.89 0.00	48.05 -1.33 0.00	40.39 -2.04 0.00	35.79 -1.30 0.00	33.41 -0.44 0.00
BLUESTONE___WT_PWR 323821	32.83 1.26 0.00	29.06 1.14 0.00	27.95 1.15 0.00	26.25 1.03 0.00	26.61 1.10 0.00	29.02 1.14 0.00	38.40 1.37 0.00	39.88 1.42 0.00	34.09 1.15 0.00	27.78 0.70 0.00	26.95 0.58 0.00	26.80 0.60 0.00	27.96 0.63 0.00	30.05 0.59 -0.04	32.39 0.63 -0.04	36.60 1.06 -0.08	45.45 1.66 0.00	66.10 2.78 0.00	77.34 4.03 0.00	74.07 3.99 0.00	51.95 2.57 0.00	44.33 1.91 0.00	38.65 1.56 0.00	35.34 1.49 0.00
BLUE_CIRC_CHEM_DRP 24182	32.07 0.51 0.00	28.33 0.42 0.00	27.25 0.46 0.00	25.62 0.40 0.00	25.89 0.38 0.00	28.35 0.47 0.00	37.73 0.70 0.00	39.19 0.73 0.00	33.30 0.36 0.00	27.24 0.16 0.00	26.47 0.11 0.00	26.25 0.05 0.00	27.38 0.05 0.00	29.47 0.12 0.08	31.87 0.25 0.09	35.47 0.18 0.16	43.13 -0.66 0.00	62.43 -0.89 0.00	70.62 -1.10 1.59	68.45 -1.12 0.51	48.64 -0.74 0.00	42.00 -0.42 0.00	36.72 -0.37 0.00	33.44 -0.41 0.00
BOC_GAS_DRP 24189	31.85 0.28 0.00	28.16 0.25 0.00	27.04 0.24 0.00	25.44 0.23 0.00	25.71 0.20 0.00	28.16 0.28 0.00	37.48 0.44 0.00	39.00 0.54 0.00	33.27 0.33 0.00	27.32 0.24 0.00	26.63 0.26 0.00	26.40 0.21 0.00	27.55 0.22 0.00	29.62 0.26 0.07	32.00 0.38 0.09	35.62 0.32 0.16	43.96 0.18 0.00	63.45 0.13 0.00	73.29 -0.15 -0.13	69.84 -0.28 -0.04	49.34 -0.05 0.00	42.59 0.17 0.00	37.28 0.19 0.00	33.99 0.14 0.00
BOONVILLE_115KV_TB1 79983	32.01 0.44 0.00	28.33 0.42 0.00	27.25 0.46 0.00	25.60 0.38 0.00	25.97 0.46 0.00	28.49 0.61 0.00	37.85 0.81 0.00	39.31 0.85 0.00	33.53 0.59 0.00	27.35 0.27 0.00	26.55 0.18 0.00	26.40 0.21 0.00	27.52 0.19 0.00	29.57 0.15 0.00	31.77 0.06 0.00	35.67 0.21 0.00	44.23 0.44 0.00	64.33 1.01 0.00	74.99 1.69 0.00	71.90 1.82 0.00	50.42 1.04 0.00	43.19 0.76 0.00	37.69 0.59 0.00	34.36 0.51 0.00
BORALEX_4TH_BRANCH 23824	32.61 1.04 0.00	28.78 0.87 0.00	27.60 0.80 0.00	25.97 0.76 0.00	26.30 0.79 0.00	28.88 1.00 0.00	38.59 1.56 0.00	40.19 1.73 0.00	34.09 1.15 0.00	27.95 0.87 0.00	27.21 0.84 0.00	26.90 0.71 0.00	28.04 0.71 0.00	29.89 0.79 0.33	32.35 1.05 0.40	35.99 1.24 0.71	45.32 1.53 0.00	65.41 2.09 0.00	75.43 2.13 0.00	71.90 1.82 0.00	50.87 1.48 0.00	43.95 1.53 0.00	38.35 1.26 0.00	34.97 1.12 0.00
BOWLINE___1 23526	32.39 0.82 0.00	28.64 0.72 0.00	27.47 0.67 0.00	25.77 0.55 0.00	26.12 0.61 0.00	28.63 0.75 0.00	38.07 1.04 0.00	39.81 1.35 0.00	34.16 1.22 0.00	28.11 1.03 0.00	27.50 1.13 0.00	27.29 1.10 0.00	28.50 1.17 0.00	30.93 1.29 -0.21	33.48 1.52 -0.25	37.71 1.81 -0.45	45.54 1.75 0.00	65.41 2.09 0.00	75.50 2.20 0.00	71.69 1.61 0.00	50.47 1.09 0.00	43.78 1.36 0.00	38.50 1.41 0.00	35.07 1.22 0.00
BOWLINE___2 23595	32.39 0.82 0.00	28.64 0.72 0.00	27.47 0.67 0.00	25.75 0.53 0.00	26.12 0.61 0.00	28.60 0.72 0.00	38.07 1.04 0.00	39.81 1.35 0.00	34.16 1.22 0.00	28.11 1.03 0.00	27.50 1.13 0.00	27.29 1.10 0.00	28.50 1.17 0.00	30.93 1.29 -0.21	33.48 1.52 -0.25	37.71 1.81 -0.45	45.54 1.75 0.00	65.41 2.09 0.00	75.43 2.13 0.00	71.62 1.54 0.00	50.47 1.09 0.00	43.78 1.36 0.00	38.50 1.41 0.00	35.07 1.22 0.00
BRADY___115KV_TB2 356060	31.85 0.28 0.00	28.25 0.33 0.00	27.15 0.35 0.00	25.52 0.30 0.00	25.89 0.38 0.00	28.41 0.53 0.00	37.81 0.78 0.00	39.15 0.69 0.00	33.43 0.49 0.00	27.40 0.32 0.00	26.63 0.26 0.00	26.56 0.37 0.00	27.66 0.33 0.00	29.66 0.24 0.00	31.90 0.19 0.00	35.78 0.32 0.00	44.49 0.70 0.00	65.09 1.77 0.00	75.95 2.64 0.00	72.81 2.73 0.00	51.02 1.63 0.00	43.57 1.15 0.00	37.91 0.82 0.00	34.46 0.61 0.00
BRANSCOMB___SOLAR 323811	32.52 0.95 0.00	28.72 0.81 0.00	27.60 0.80 0.00	25.97 0.76 0.00	26.25 0.74 0.00	28.74 0.87 0.00	38.29 1.26 0.00	39.73 1.27 0.00	33.76 0.82 0.00	27.51 0.43 0.00	26.63 0.26 0.00	26.33 0.13 0.00	27.44 0.11 0.00	29.44 0.18 0.17	31.86 0.35 0.20	35.67 0.57 0.35	44.80 1.01 0.00	64.96 1.64 0.00	75.50 2.20 0.00	72.18 2.10 0.00	50.82 1.43 0.00	43.74 1.32 0.00	38.32 1.22 0.00	34.80 0.95 0.00
BRDGHMPT_69_KV_BK1 55812	32.04 0.47 0.00	28.05 0.14 0.00	26.68 0.00 0.12	25.22 0.00 0.00	25.51 0.00 0.00	27.87 0.11 0.12	37.17 0.15 0.01	39.03 0.58 0.01	33.76 0.82 0.00	27.81 0.73 0.00	27.71 1.34 0.00	27.48 1.28 0.00	28.83 1.50 0.00	31.44 1.79 -0.22	34.30 2.31 -0.27	38.70 2.77 -0.47	45.67 1.88 0.00	64.52 1.20 0.01	74.69 1.39 0.01	71.12 1.05 0.01	50.23 0.84 0.00	44.21 1.78 0.00	39.17 2.08 0.00	35.51 1.66 0.00



BRENTWOD_69_KV_W. BRTWOOD 56703	32.80 1.23 0.00	28.75 0.84 0.00	27.51 0.72 0.01	25.80 0.58 0.00	26.10 0.59 0.00	28.65 0.78 0.01	37.99 0.96 0.01	39.68 1.23 0.01	34.25 1.32 0.00	28.16 1.08 0.00	27.95 1.58 0.00	27.71 1.52 0.00	29.05 1.72 0.00	31.70 2.06 -0.22	34.55 2.57 -0.27	38.95 3.01 -0.47	46.11 2.32 0.00	65.27 1.96 0.01	75.43 2.13 0.01	71.68 1.61 0.01	50.52 1.14 0.00	44.54 2.12 0.00	39.58 2.49 0.00	35.81 1.96 0.00
BRISTLHL_115KV_TB1 79998	31.35 -0.22 0.00	27.69 -0.22 0.00	26.59 -0.21 0.00	24.99 -0.23 0.00	25.26 -0.26 0.00	27.52 -0.36 0.00	36.48 -0.56 0.00	37.88 -0.58 0.00	32.48 -0.46 0.00	26.73 -0.35 0.00	26.00 -0.37 0.00	25.83 -0.37 0.00	26.94 -0.38 0.00	29.04 -0.38 0.00	31.26 -0.44 0.00	34.93 -0.53 0.00	43.18 -0.61 0.00	62.43 -0.89 0.00	72.43 -0.88 0.00	69.31 -0.77 0.00	48.89 -0.49 0.00	41.87 -0.55 0.00	36.61 -0.48 0.00	33.48 -0.37 0.00
BROOKHAVEN___DRP 24191	32.01 0.44 0.00	28.05 0.14 0.00	26.68 0.00 0.12	25.22 0.00 0.00	25.51 0.00 0.00	27.81 0.06 0.12	37.13 0.11 0.01	38.84 0.38 0.01	33.53 0.59 0.00	27.59 0.51 0.00	27.42 1.05 0.00	27.19 1.00 0.00	28.53 1.20 0.00	31.05 1.41 -0.22	33.88 1.90 -0.27	38.24 2.30 -0.47	45.15 1.36 0.00	63.88 0.57 0.01	73.89 0.59 0.01	70.28 0.21 0.01	49.63 0.25 0.00	43.65 1.23 0.00	38.72 1.63 0.00	35.03 1.18 0.00
BROOKLYN_NAVY_YARD 23515	32.74 1.17 0.00	28.94 1.03 0.00	27.71 0.91 0.00	25.97 0.76 0.00	26.35 0.84 0.00	28.85 0.98 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.62 1.68 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.71 1.52 0.00	28.94 1.61 0.00	31.44 1.80 -0.22	34.03 2.06 -0.26	38.37 2.44 -0.47	46.02 2.23 0.00	66.04 2.72 0.00	76.16 2.86 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.25 1.82 0.00	39.02 1.93 0.00	35.51 1.66 0.00
BROOKLYN___ARMY_DRP 323595	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01
BROOME_2_LFGE 323671	31.79 0.22 0.00	28.11 0.20 0.00	26.99 0.19 0.00	25.40 0.18 0.00	25.66 0.15 0.00	27.96 0.08 0.00	36.96 -0.07 0.00	38.31 -0.15 0.00	32.90 -0.03 0.00	27.19 0.11 0.00	26.45 0.08 0.00	26.27 0.08 0.00	27.44 0.11 0.00	29.61 0.15 -0.03	31.88 0.13 -0.04	35.68 0.14 -0.07	44.05 0.26 0.00	63.38 0.06 0.00	73.60 0.29 0.00	70.22 0.14 0.00	49.48 0.10 0.00	42.30 -0.13 0.00	37.09 0.00 0.00	34.05 0.20 0.00
BROOME___LFGE 323600	31.79 0.22 0.00	28.11 0.20 0.00	26.99 0.19 0.00	25.40 0.18 0.00	25.66 0.15 0.00	27.96 0.08 0.00	36.96 -0.07 0.00	38.31 -0.15 0.00	32.90 -0.03 0.00	27.19 0.11 0.00	26.45 0.08 0.00	26.27 0.08 0.00	27.44 0.11 0.00	29.61 0.15 -0.03	31.88 0.13 -0.04	35.68 0.14 -0.07	44.05 0.26 0.00	63.38 0.06 0.00	73.60 0.29 0.00	70.22 0.14 0.00	49.48 0.10 0.00	42.30 -0.13 0.00	37.09 0.00 0.00	34.05 0.20 0.00
BROWNFLS_115KV_TB_3_5 80003	31.76 0.19 0.00	28.16 0.25 0.00	27.09 0.29 0.00	25.47 0.25 0.00	25.84 0.33 0.00	28.41 0.53 0.00	37.81 0.78 0.00	39.19 0.73 0.00	33.46 0.53 0.00	27.30 0.22 0.00	26.50 0.13 0.00	26.40 0.21 0.00	27.49 0.16 0.00	29.51 0.09 0.00	31.61 -0.10 0.00	35.46 0.00 0.00	44.10 0.31 0.00	64.52 1.20 0.00	75.36 2.05 0.00	72.25 2.17 0.00	50.57 1.19 0.00	43.31 0.89 0.00	37.69 0.59 0.00	34.32 0.47 0.00
BROWNSV1_27_KV_LOAD 356125	33.05 1.48 0.00	29.17 1.26 0.00	27.92 1.13 0.00	26.25 1.03 0.00	26.56 1.05 0.00	29.11 1.23 0.00	38.70 1.67 0.00	40.46 2.00 0.00	34.81 1.88 0.00	28.68 1.60 0.00	28.08 1.71 0.00	27.90 1.70 0.00	29.13 1.80 0.00	31.64 2.00 -0.22	34.29 2.31 -0.26	38.58 2.66 -0.47	46.42 2.63 0.00	66.55 3.23 0.00	76.90 3.59 0.00	72.88 2.80 0.00	51.36 1.98 0.00	44.63 2.21 0.00	39.24 2.15 0.00	35.78 1.93 0.00
BURROWS___LYONSDAL 23803	31.92 0.35 0.00	28.27 0.36 0.00	27.20 0.40 0.00	25.57 0.35 0.00	25.94 0.43 0.00	28.49 0.61 0.00	37.85 0.81 0.00	39.31 0.85 0.00	33.53 0.59 0.00	27.32 0.24 0.00	26.53 0.16 0.00	26.38 0.18 0.00	27.49 0.16 0.00	29.54 0.12 0.00	31.68 -0.03 0.00	35.53 0.07 0.00	44.10 0.31 0.00	64.21 0.89 0.00	74.92 1.61 0.00	71.83 1.75 0.00	50.32 0.94 0.00	43.10 0.68 0.00	37.61 0.52 0.00	34.29 0.44 0.00
CAITHNESS_CC_1 323624	32.04 0.47 0.00	28.08 0.17 0.00	26.68 0.00 0.12	25.14 -0.08 0.00	25.51 0.00 0.00	27.76 0.00 0.12	37.10 0.07 0.01	38.88 0.42 0.01	33.53 0.59 0.00	27.59 0.51 0.00	27.45 1.08 0.00	27.22 1.02 0.00	28.53 1.20 0.00	31.08 1.44 -0.22	33.88 1.90 -0.27	38.24 2.30 -0.47	45.15 1.36 0.00	63.88 0.57 0.01	73.82 0.52 0.01	70.21 0.14 0.01	49.58 0.20 0.00	43.57 1.15 0.00	38.76 1.67 0.00	35.00 1.15 0.00
CALPINE BETH_PAGE_GT4 24209	32.42 0.85 0.00	28.47 0.56 0.00	27.23 0.43 0.00	25.57 0.35 0.00	25.87 0.36 0.00	28.35 0.47 0.00	37.58 0.56 0.01	39.26 0.81 0.01	33.86 0.92 0.00	27.86 0.79 0.00	27.61 1.24 0.00	27.40 1.20 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	33.85 1.87 -0.27	38.10 2.16 -0.48	45.28 1.49 0.00	64.52 1.20 0.01	74.47 1.17 0.01	70.84 0.77 0.01	49.93 0.54 0.00	43.74 1.32 0.00	38.72 1.63 0.00	35.10 1.25 0.00
CALPINE_BETH_PAGE_GT_4 323586	32.42 0.85 0.00	28.47 0.56 0.00	27.20 0.40 0.00	25.50 0.28 0.00	25.84 0.33 0.00	28.22 0.34 0.00	37.50 0.48 0.01	39.22 0.77 0.01	33.86 0.92 0.00	27.84 0.76 0.00	27.61 1.24 0.00	27.40 1.21 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	33.85 1.87 -0.27	38.14 2.20 -0.48	45.28 1.49 0.00	64.58 1.27 0.01	74.47 1.17 0.01	70.84 0.77 0.01	49.93 0.54 0.00	43.70 1.27 0.00	38.76 1.67 0.00	35.07 1.22 0.00
CALPINE_BP_GT1 23823	32.42 0.85 0.00	28.47 0.56 0.00	27.20 0.40 0.00	25.50 0.28 0.00	25.84 0.33 0.00	28.22 0.34 0.00	37.50 0.48 0.01	39.22 0.77 0.01	33.86 0.92 0.00	27.84 0.76 0.00	27.61 1.24 0.00	27.40 1.21 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	33.85 1.87 -0.27	38.14 2.20 -0.48	45.28 1.49 0.00	64.58 1.27 0.01	74.47 1.17 0.01	70.84 0.77 0.01	49.93 0.54 0.00	43.70 1.27 0.00	38.76 1.67 0.00	35.07 1.22 0.00
CALSPAN___DRP 24200	31.66 0.09 0.00	27.83 -0.08 0.00	26.69 -0.11 0.00	25.17 -0.05 0.00	25.31 -0.20 0.00	27.18 -0.70 0.00	35.44 -1.59 0.00	36.08 -2.38 0.00	31.59 -1.35 0.00	26.56 -0.51 0.00	26.05 -0.32 0.00	25.96 -0.24 0.00	27.19 -0.14 0.00	29.33 -0.09 0.00	31.20 -0.51 0.00	34.71 -0.74 0.00	42.91 -0.88 0.00	60.72 -2.60 0.00	70.59 -2.71 0.00	67.34 -2.73 0.00	47.66 -1.73 0.00	40.09 -2.33 0.00	35.61 -1.48 0.00	33.31 -0.54 0.00



CALVERTON___SOLAR 323806	32.01 0.44 0.00	28.05 0.14 0.00	26.65 -0.03 0.12	25.12 -0.10 0.00	25.48 -0.03 0.00	27.73 -0.03 0.12	37.10 0.07 0.01	38.84 0.38 0.01	33.53 0.59 0.00	27.57 0.49 0.00	27.42 1.06 0.00	27.19 1.00 0.00	28.53 1.20 0.00	31.05 1.41 -0.22	33.88 1.90 -0.27	38.31 2.38 -0.47	45.19 1.40 0.00	64.01 0.70 0.01	73.96 0.66 0.01	70.35 0.28 0.01	49.73 0.35 0.00	43.65 1.23 0.00	38.84 1.74 0.00	35.07 1.22 0.00
CANDIGU_WT_PWR 323617	31.73 0.16 0.00	27.99 0.08 0.00	26.91 0.11 0.00	25.40 0.18 0.00	25.56 0.05 0.00	27.69 -0.19 0.00	36.29 -0.74 0.00	37.31 -1.15 0.00	32.21 -0.72 0.00	26.78 -0.30 0.00	26.05 -0.32 0.00	25.91 -0.29 0.00	27.08 -0.25 0.00	29.25 -0.18 0.00	31.39 -0.32 0.00	34.89 -0.57 0.00	43.31 -0.48 0.00	62.12 -1.21 0.00	72.65 -0.66 0.00	69.24 -0.84 0.00	48.84 -0.54 0.00	41.32 -1.10 0.00	36.39 -0.71 0.00	33.78 -0.07 0.00
CARR STREET_E_SYR 24060	31.51 -0.06 0.00	27.86 -0.06 0.00	26.75 -0.05 0.00	25.17 -0.05 0.00	25.41 -0.10 0.00	27.69 -0.19 0.00	36.70 -0.33 0.00	38.08 -0.38 0.00	32.64 -0.30 0.00	26.86 -0.22 0.00	26.16 -0.21 0.00	25.98 -0.21 0.00	27.14 -0.19 0.00	29.25 -0.18 0.00	31.49 -0.22 0.00	35.07 -0.39 0.00	43.27 -0.52 0.00	62.43 -0.89 0.00	72.43 -0.88 0.00	69.31 -0.77 0.00	48.89 -0.49 0.00	41.87 -0.55 0.00	36.61 -0.48 0.00	33.51 -0.34 0.00
CARTHAGE___PAPER 23857	32.01 0.44 0.00	28.36 0.45 0.00	27.31 0.51 0.00	25.65 0.43 0.00	26.05 0.54 0.00	28.63 0.75 0.00	38.03 1.00 0.00	39.46 1.00 0.00	33.59 0.66 0.00	27.27 0.19 0.00	26.45 0.08 0.00	26.30 0.11 0.00	27.38 0.05 0.00	29.42 0.00 0.00	31.52 -0.19 0.00	35.39 -0.07 0.00	44.10 0.31 0.00	64.59 1.27 0.00	75.72 2.42 0.00	72.74 2.66 0.00	50.87 1.48 0.00	43.52 1.10 0.00	37.87 0.78 0.00	34.46 0.61 0.00
CASSADAGA_WT_PWR 323784	31.95 0.38 0.00	28.08 0.17 0.00	26.93 0.13 0.00	25.52 0.30 0.00	25.61 0.10 0.00	27.63 -0.25 0.00	35.99 -1.04 0.00	36.81 -1.65 0.00	32.11 -0.82 0.00	27.22 0.14 0.00	26.63 0.26 0.00	26.56 0.37 0.00	27.82 0.49 0.00	30.07 0.65 0.00	32.25 0.54 0.00	35.60 0.14 0.00	44.23 0.44 0.00	62.50 -0.82 0.00	72.94 -0.36 0.00	69.38 -0.70 0.00	48.84 -0.54 0.00	40.94 -1.49 0.00	36.28 -0.82 0.00	33.82 -0.03 0.00
CE_DUNWOOD___DRP 24194	32.58 1.01 0.00	28.80 0.89 0.00	27.60 0.80 0.00	25.95 0.73 0.00	26.25 0.74 0.00	28.80 0.92 0.00	38.25 1.22 0.00	40.00 1.54 0.00	34.32 1.38 0.00	28.27 1.19 0.00	27.66 1.29 0.00	27.48 1.28 0.00	28.69 1.37 0.00	31.14 1.50 -0.22	33.72 1.74 -0.26	37.98 2.06 -0.47	45.76 1.97 0.00	65.66 2.34 0.00	75.73 2.42 0.00	71.97 1.89 0.00	50.72 1.33 0.00	44.08 1.65 0.00	38.69 1.59 0.00	35.27 1.42 0.00
CE_MILLWOOD___DRP 24193	32.52 0.95 0.00	28.75 0.84 0.00	27.55 0.75 0.00	25.90 0.68 0.00	26.20 0.69 0.00	28.74 0.86 0.00	38.22 1.18 0.00	39.92 1.46 0.00	34.25 1.32 0.00	28.22 1.14 0.00	27.58 1.21 0.00	27.40 1.20 0.00	28.61 1.28 0.00	31.05 1.41 -0.22	33.62 1.65 -0.26	37.87 1.95 -0.46	45.67 1.88 0.00	65.54 2.22 0.00	75.65 2.35 0.00	71.83 1.75 0.00	50.67 1.28 0.00	43.99 1.57 0.00	38.58 1.48 0.00	35.20 1.35 0.00
CE_NYC2_DRP 24202	32.97 1.39 -0.01	29.15 1.23 -0.01	27.93 1.13 -0.01	26.26 1.03 -0.01	26.54 1.02 -0.01	29.08 1.20 0.00	38.51 1.48 0.00	40.23 1.77 0.00	34.68 1.75 0.00	28.57 1.49 0.00	27.98 1.61 0.00	27.79 1.60 0.00	29.05 1.72 0.00	31.55 1.91 -0.22	34.16 2.19 -0.26	38.41 2.48 -0.47	46.02 2.23 0.00	65.92 2.60 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.92 1.53 0.00	44.33 1.91 0.00	39.14 2.04 -0.01	35.72 1.86 -0.01
CE_NYC_DRP 24195	32.83 1.26 0.00	29.03 1.12 0.00	27.79 0.99 0.00	26.13 0.91 0.00	26.43 0.92 0.00	28.99 1.12 0.00	38.51 1.48 0.00	40.23 1.77 0.00	34.62 1.68 0.00	28.51 1.44 0.00	27.92 1.56 0.00	27.74 1.55 0.00	28.97 1.64 0.00	31.47 1.82 -0.22	34.07 2.09 -0.26	38.34 2.41 -0.47	46.11 2.32 0.00	66.11 2.79 0.00	76.24 2.93 0.00	72.39 2.31 0.00	51.02 1.63 0.00	44.37 1.95 0.00	38.98 1.89 0.00	35.58 1.73 0.00
CHAFFEE___LFGE 323603	31.66 0.09 0.00	27.88 -0.03 0.00	26.83 0.03 0.00	25.42 0.20 0.00	25.48 -0.03 0.00	27.38 -0.50 0.00	35.51 -1.52 0.00	36.15 -2.31 0.00	31.62 -1.32 0.00	26.67 -0.41 0.00	26.08 -0.29 0.00	25.98 -0.21 0.00	27.22 -0.11 0.00	29.42 0.00 0.00	31.52 -0.19 0.00	34.78 -0.67 0.00	43.04 -0.74 0.00	60.85 -2.47 0.00	70.89 -2.42 0.00	67.56 -2.52 0.00	47.76 -1.63 0.00	40.17 -2.25 0.00	35.65 -1.45 0.00	33.41 -0.44 0.00
CHATEAUG_35_KV_LOAD 355732	31.19 -0.38 0.00	27.74 -0.17 0.00	26.69 -0.11 0.00	25.22 0.00 0.00	25.64 0.13 0.00	28.21 0.33 0.00	37.70 0.67 0.00	39.11 0.65 0.00	33.60 0.66 0.00	27.73 0.65 0.00	27.00 0.63 0.00	26.98 0.79 0.00	28.07 0.74 0.00	30.10 0.68 0.00	32.37 0.67 0.00	36.31 0.85 0.00	45.15 1.36 0.00	66.11 2.79 0.00	76.90 3.59 0.00	73.58 3.50 0.00	51.51 2.12 0.00	43.95 1.53 0.00	38.13 1.04 0.00	34.63 0.78 0.00
CHATEAUG_WT_PWR 323614	31.16 -0.41 0.00	27.72 -0.19 0.00	26.69 -0.11 0.00	25.19 -0.03 0.00	25.59 0.08 0.00	28.19 0.31 0.00	37.66 0.63 0.00	39.07 0.61 0.00	33.59 0.66 0.00	27.76 0.68 0.00	27.03 0.66 0.00	27.01 0.81 0.00	28.07 0.74 0.00	30.13 0.70 0.00	32.38 0.67 0.00	36.31 0.85 0.00	45.15 1.36 0.00	66.04 2.72 0.00	76.75 3.45 0.00	73.51 3.43 0.00	51.46 2.07 0.00	43.91 1.48 0.00	38.13 1.04 0.00	34.63 0.78 0.00
CHAT_HIGH_FALL_HYD 323578	31.19 -0.38 0.00	27.74 -0.17 0.00	26.69 -0.11 0.00	25.22 0.00 0.00	25.64 0.13 0.00	28.21 0.33 0.00	37.70 0.67 0.00	39.11 0.65 0.00	33.60 0.66 0.00	27.73 0.65 0.00	27.00 0.63 0.00	26.98 0.79 0.00	28.07 0.74 0.00	30.10 0.68 0.00	32.37 0.67 0.00	36.31 0.85 0.00	45.15 1.36 0.00	66.11 2.79 0.00	76.90 3.59 0.00	73.58 3.50 0.00	51.51 2.12 0.00	43.95 1.53 0.00	38.13 1.04 0.00	34.63 0.78 0.00
CHAUTAUQUA___LFGE 323629	31.85 0.28 0.00	28.02 0.11 0.00	26.91 0.11 0.00	25.52 0.30 0.00	25.59 0.08 0.00	27.57 -0.31 0.00	35.84 -1.19 0.00	36.61 -1.85 0.00	31.95 -0.99 0.00	27.00 -0.08 0.00	26.42 0.05 0.00	26.33 0.13 0.00	27.57 0.25 0.00	29.78 0.35 0.00	31.90 0.19 0.00	35.21 -0.25 0.00	43.70 -0.09 0.00	61.67 -1.65 0.00	71.99 -1.32 0.00	68.54 -1.54 0.00	48.30 -1.09 0.00	40.60 -1.82 0.00	36.02 -1.08 0.00	33.65 -0.20 0.00
CHERRYST_13_KV_LD 356241	32.89 1.33 0.00	29.08 1.17 0.00	27.87 1.07 0.00	26.20 0.98 0.00	26.48 0.97 0.00	29.05 1.17 0.00	38.59 1.56 0.00	40.34 1.88 0.00	34.72 1.78 0.00	28.60 1.52 0.00	28.00 1.63 0.00	27.82 1.62 0.00	29.05 1.72 0.00	31.55 1.91 -0.22	34.16 2.19 -0.26	38.44 2.52 -0.47	46.24 2.45 0.00	66.30 2.98 0.00	76.46 3.15 0.00	72.60 2.52 0.00	51.16 1.78 0.00	44.46 2.04 0.00	39.10 2.00 0.00	35.68 1.83 0.00



CHESTROR_138KV_BK263 355645	32.26 0.69 0.00	28.55 0.64 0.00	27.39 0.59 0.00	25.75 0.53 0.00	26.05 0.54 0.00	28.55 0.67 0.00	37.92 0.89 0.00	39.61 1.15 0.00	33.92 0.99 0.00	27.95 0.87 0.00	27.26 0.90 0.00	27.09 0.89 0.00	28.28 0.96 0.00	30.65 1.03 -0.20	33.18 1.24 -0.24	37.37 1.49 -0.42	45.28 1.49 0.00	65.09 1.77 0.00	75.21 1.91 0.00	71.41 1.33 0.00	50.37 0.99 0.00	43.65 1.23 0.00	38.28 1.19 0.00	34.90 1.05 0.00
CH_MIDHUDSON___DRP 24192	32.42 0.85 0.00	28.69 0.78 0.00	27.52 0.72 0.00	25.87 0.66 0.00	26.17 0.66 0.00	28.69 0.81 0.00	38.18 1.15 0.00	39.84 1.38 0.00	34.09 1.15 0.00	28.03 0.95 0.00	27.34 0.98 0.00	27.14 0.94 0.00	28.34 1.01 0.00	30.75 1.12 -0.21	33.33 1.36 -0.26	37.54 1.63 -0.45	45.45 1.66 0.00	65.41 2.09 0.00	75.43 2.13 0.00	71.76 1.68 0.00	50.62 1.23 0.00	43.91 1.48 0.00	38.43 1.34 0.00	35.03 1.18 0.00
CH_MISC_IPPS 23765	32.55 0.98 0.00	28.80 0.89 0.00	27.63 0.83 0.00	25.92 0.71 0.00	26.25 0.74 0.00	28.77 0.89 0.00	38.29 1.26 0.00	39.96 1.50 0.00	34.22 1.28 0.00	28.11 1.03 0.00	27.42 1.06 0.00	27.22 1.02 0.00	28.42 1.09 0.00	30.81 1.18 -0.21	33.42 1.46 -0.25	37.71 1.81 -0.44	45.71 1.92 0.00	65.86 2.54 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.97 1.58 0.00	44.16 1.74 0.00	38.69 1.59 0.00	35.20 1.36 0.00
CH_RES_BVR_FALLS 23983	31.22 -0.35 0.00	27.66 -0.25 0.00	26.58 -0.22 0.00	25.04 -0.18 0.00	25.36 -0.15 0.00	27.77 -0.11 0.00	36.96 -0.07 0.00	38.42 -0.04 0.00	32.94 0.00 0.00	27.08 0.00 0.00	26.39 0.03 0.00	26.25 0.05 0.00	27.35 0.03 0.00	29.42 0.00 0.00	31.71 0.00 0.00	35.46 0.00 0.00	43.83 0.04 0.00	63.51 0.19 0.00	73.60 0.29 0.00	70.36 0.28 0.00	49.53 0.15 0.00	42.51 0.09 0.00	37.09 0.00 0.00	33.78 -0.07 0.00
CH_RES_NIAGARA 23895	30.84 -0.73 0.00	27.66 -0.25 0.00	26.53 -0.27 0.00	25.04 -0.18 0.00	25.15 -0.36 0.00	26.40 -1.48 0.00	34.36 -2.67 0.00	34.84 -3.62 0.00	30.60 -2.34 0.00	25.78 -1.30 0.00	25.34 -1.03 0.00	25.23 -0.97 0.00	26.43 -0.90 0.00	28.51 -0.91 0.00	30.25 -1.46 0.00	33.58 -1.88 0.00	41.29 -2.50 0.00	58.32 -5.00 0.00	67.59 -5.72 0.00	64.54 -5.54 0.00	45.93 -3.46 0.00	38.69 -3.73 0.00	34.46 -2.63 0.00	32.26 -1.59 0.00
CH_RES_SYRACUSE 23985	31.63 0.06 0.00	27.97 0.06 0.00	26.85 0.05 0.00	25.27 0.05 0.00	25.51 0.00 0.00	27.82 -0.06 0.00	36.85 -0.18 0.00	38.23 -0.23 0.00	32.77 -0.16 0.00	26.97 -0.11 0.00	26.24 -0.13 0.00	26.06 -0.13 0.00	27.22 -0.11 0.00	29.36 -0.06 0.00	31.61 -0.09 0.00	35.32 -0.14 0.00	43.66 -0.13 0.00	63.13 -0.19 0.00	73.23 -0.07 0.00	70.08 0.00 0.00	49.44 0.05 0.00	42.30 -0.13 0.00	36.95 -0.15 0.00	33.82 -0.03 0.00
CLINTON_WT_PWR 323605	31.16 -0.41 0.00	27.72 -0.19 0.00	26.69 -0.11 0.00	25.19 -0.03 0.00	25.59 0.08 0.00	28.19 0.31 0.00	37.66 0.63 0.00	39.07 0.61 0.00	33.59 0.66 0.00	27.76 0.68 0.00	27.03 0.66 0.00	27.01 0.81 0.00	28.07 0.74 0.00	30.13 0.70 0.00	32.38 0.67 0.00	36.31 0.85 0.00	45.15 1.36 0.00	66.04 2.72 0.00	76.75 3.45 0.00	73.51 3.43 0.00	51.46 2.07 0.00	43.91 1.48 0.00	38.13 1.04 0.00	34.63 0.78 0.00
CLINTON___LFGE 323618	31.38 -0.19 0.00	27.97 0.06 0.00	26.93 0.13 0.00	25.47 0.25 0.00	25.87 0.36 0.00	28.58 0.70 0.00	38.25 1.22 0.00	39.65 1.19 0.00	34.09 1.15 0.00	28.22 1.14 0.00	27.45 1.08 0.00	27.50 1.31 0.00	28.56 1.23 0.00	30.60 1.18 0.00	32.88 1.17 0.00	36.91 1.45 0.00	46.02 2.23 0.00	67.63 4.31 0.00	78.73 5.42 0.00	75.40 5.32 0.00	52.69 3.31 0.00	44.80 2.37 0.00	38.84 1.74 0.00	35.20 1.36 0.00
COBBLENY_34_KV_TB1 80064	31.66 0.09 0.00	27.85 -0.06 0.00	26.69 -0.11 0.00	25.17 -0.05 0.00	25.31 -0.20 0.00	27.21 -0.67 0.00	35.48 -1.56 0.00	36.15 -2.31 0.00	31.62 -1.32 0.00	26.59 -0.49 0.00	26.08 -0.29 0.00	25.98 -0.21 0.00	27.22 -0.11 0.00	29.36 -0.06 0.00	31.26 -0.44 0.00	34.79 -0.67 0.00	43.04 -0.74 0.00	60.91 -2.41 0.00	70.89 -2.42 0.00	67.55 -2.52 0.00	47.76 -1.63 0.00	40.18 -2.25 0.00	35.68 -1.41 0.00	33.34 -0.51 0.00
COFFEEN___115KV_TB3 355620	32.39 0.82 0.00	28.69 0.78 0.00	27.63 0.83 0.00	25.92 0.71 0.00	26.33 0.82 0.00	28.86 0.98 0.00	38.29 1.26 0.00	39.73 1.27 0.00	33.79 0.86 0.00	27.38 0.30 0.00	26.53 0.16 0.00	26.35 0.16 0.00	27.46 0.14 0.00	29.48 0.06 0.00	31.61 -0.10 0.00	35.64 0.18 0.00	44.45 0.66 0.00	65.22 1.90 0.00	76.75 3.45 0.00	73.93 3.85 0.00	51.61 2.22 0.00	44.08 1.65 0.00	38.28 1.19 0.00	34.83 0.98 0.00
COLDSPRG_115KV_BK1 355956	31.98 0.41 0.00	28.08 0.17 0.00	26.88 0.08 0.00	25.37 0.15 0.00	25.54 0.03 0.00	27.57 -0.31 0.00	36.07 -0.96 0.00	36.96 -1.50 0.00	32.21 -0.72 0.00	27.19 0.11 0.00	26.63 0.26 0.00	26.56 0.37 0.00	27.79 0.46 0.00	29.98 0.56 0.00	31.93 0.22 0.00	35.60 0.14 0.00	44.31 0.53 0.00	62.69 -0.63 0.00	73.16 -0.15 0.00	69.59 -0.49 0.00	48.89 -0.49 0.00	40.98 -1.44 0.00	36.35 -0.74 0.00	33.82 -0.03 0.00
COLONIE_LFGE___ 323577	32.33 0.76 0.00	28.55 0.64 0.00	27.39 0.59 0.00	25.77 0.55 0.00	26.07 0.56 0.00	28.58 0.70 0.00	38.11 1.07 0.00	39.61 1.15 0.00	33.69 0.76 0.00	27.59 0.51 0.00	26.84 0.48 0.00	26.56 0.37 0.00	27.71 0.38 0.00	29.67 0.44 0.20	32.07 0.60 0.24	35.79 0.75 0.42	44.80 1.01 0.00	64.71 1.39 0.00	74.77 1.47 0.00	71.34 1.26 0.00	50.37 0.99 0.00	43.44 1.02 0.00	38.02 0.93 0.00	34.59 0.74 0.00
COOPERNY_115KV_TB1 80082	32.14 0.57 0.00	28.44 0.53 0.00	27.28 0.48 0.00	25.65 0.43 0.00	25.94 0.43 0.00	28.44 0.56 0.00	37.73 0.70 0.00	39.38 0.92 0.00	33.76 0.82 0.00	27.78 0.70 0.00	27.11 0.74 0.00	26.93 0.73 0.00	28.12 0.79 0.00	30.43 0.85 -0.16	32.88 0.98 -0.19	37.00 1.21 -0.34	45.01 1.23 0.00	64.78 1.46 0.00	74.77 1.47 0.00	71.13 1.05 0.00	50.13 0.74 0.00	43.40 0.98 0.00	38.06 0.96 0.00	34.70 0.85 0.00
COPENHAGEN_WT_PWR 323753	32.14 0.57 0.00	28.47 0.56 0.00	27.42 0.62 0.00	25.75 0.53 0.00	26.12 0.61 0.00	28.63 0.75 0.00	37.99 0.96 0.00	39.42 0.96 0.00	33.56 0.62 0.00	27.24 0.16 0.00	26.42 0.05 0.00	26.27 0.08 0.00	27.38 0.05 0.00	29.39 -0.03 0.00	31.55 -0.16 0.00	35.46 0.00 0.00	44.14 0.35 0.00	64.65 1.33 0.00	75.87 2.56 0.00	72.95 2.87 0.00	51.07 1.68 0.00	43.61 1.19 0.00	37.95 0.85 0.00	34.56 0.71 0.00
CORNELL_____ 23752	32.11 0.54 0.00	28.39 0.47 0.00	27.23 0.43 0.00	25.60 0.38 0.00	25.87 0.36 0.00	28.21 0.33 0.00	37.36 0.33 0.00	38.77 0.31 0.00	33.23 0.30 0.00	27.30 0.22 0.00	26.50 0.13 0.00	26.33 0.13 0.00	27.49 0.16 0.00	29.60 0.18 0.00	31.87 0.16 0.00	35.78 0.32 0.00	44.40 0.61 0.00	64.27 0.95 0.00	74.77 1.47 0.00	71.48 1.40 0.00	50.37 0.99 0.00	43.02 0.59 0.00	37.61 0.52 0.00	34.43 0.58 0.00



CORONA__69_KV_TB1 355595	32.64 1.07 0.00	28.69 0.78 0.00	27.44 0.64 0.00	25.77 0.55 0.00	26.07 0.56 0.00	28.58 0.70 0.00	37.91 0.89 0.01	39.61 1.15 0.01	34.19 1.25 0.00	28.14 1.06 0.00	27.84 1.48 0.00	27.64 1.44 0.00	28.94 1.61 0.00	31.55 1.91 -0.22	34.21 2.22 -0.28	38.42 2.48 -0.48	45.89 2.10 0.00	65.40 2.09 0.01	75.50 2.20 0.01	71.75 1.68 0.01	50.67 1.28 0.00	44.29 1.87 0.00	39.13 2.04 0.00	35.51 1.66 0.00
CORTLAND__115KV_TB3 80093	32.20 0.63 0.00	28.50 0.59 0.00	27.36 0.56 0.00	25.70 0.48 0.00	25.99 0.48 0.00	28.38 0.50 0.00	37.66 0.63 0.00	39.11 0.65 0.00	33.46 0.53 0.00	27.43 0.35 0.00	26.63 0.26 0.00	26.46 0.26 0.00	27.63 0.30 0.00	29.75 0.32 0.00	32.03 0.32 0.00	35.92 0.46 0.00	44.53 0.74 0.00	64.59 1.27 0.00	75.14 1.83 0.00	71.97 1.89 0.00	50.67 1.28 0.00	43.27 0.85 0.00	37.76 0.67 0.00	34.49 0.64 0.00
COXSACKIE__GT 23611	32.70 1.13 0.00	28.91 1.00 0.00	27.82 1.02 0.00	26.12 0.91 0.00	26.40 0.89 0.00	28.88 1.00 0.00	38.47 1.44 0.00	40.00 1.54 0.00	33.83 0.89 0.00	27.43 0.35 0.00	26.47 0.11 0.00	26.19 0.00 0.00	27.35 0.03 0.00	29.67 0.29 0.05	32.22 0.57 0.06	36.14 0.78 0.10	44.58 0.79 0.00	65.22 1.90 0.00	73.92 3.08 2.47	71.95 2.66 0.79	50.97 1.58 0.00	43.95 1.53 0.00	38.20 1.11 0.00	34.70 0.85 0.00
CPV_VALLEY__CC1 323721	32.07 0.50 0.00	28.38 0.47 0.00	27.23 0.43 0.00	25.54 0.33 0.00	25.89 0.38 0.00	28.38 0.50 0.00	37.70 0.67 0.00	39.38 0.92 0.00	33.76 0.82 0.00	27.78 0.70 0.00	27.16 0.79 0.00	26.95 0.76 0.00	28.15 0.82 0.00	30.46 0.85 -0.18	32.98 1.04 -0.22	37.12 1.27 -0.39	45.01 1.22 0.00	64.71 1.39 0.00	74.70 1.39 0.00	70.99 0.91 0.00	50.03 0.64 0.00	43.36 0.93 0.00	38.06 0.96 0.00	34.66 0.81 0.00
CPV_VALLEY__CC2 323722	32.07 0.50 0.00	28.38 0.47 0.00	27.23 0.43 0.00	25.54 0.33 0.00	25.89 0.38 0.00	28.38 0.50 0.00	37.70 0.67 0.00	39.38 0.92 0.00	33.76 0.82 0.00	27.78 0.70 0.00	27.16 0.79 0.00	26.95 0.76 0.00	28.15 0.82 0.00	30.46 0.85 -0.18	32.98 1.04 -0.22	37.12 1.27 -0.39	45.01 1.22 0.00	64.71 1.39 0.00	74.70 1.39 0.00	70.99 0.91 0.00	50.03 0.64 0.00	43.36 0.93 0.00	38.06 0.96 0.00	34.66 0.81 0.00
CRESCENT__HYD 24018	32.33 0.76 0.00	28.55 0.64 0.00	27.39 0.59 0.00	25.77 0.55 0.00	26.07 0.56 0.00	28.58 0.70 0.00	38.11 1.07 0.00	39.61 1.15 0.00	33.69 0.76 0.00	27.59 0.51 0.00	26.84 0.48 0.00	26.56 0.37 0.00	27.71 0.38 0.00	29.67 0.44 0.20	32.07 0.60 0.24	35.79 0.75 0.42	44.80 1.01 0.00	64.71 1.39 0.00	74.77 1.47 0.00	71.34 1.26 0.00	50.37 0.99 0.00	43.44 1.02 0.00	38.02 0.93 0.00	34.59 0.74 0.00
CRICKET__VALLEY_CC1 323756	32.04 0.47 0.00	28.33 0.42 0.00	27.17 0.38 0.00	25.52 0.30 0.00	25.87 0.36 0.00	28.38 0.50 0.00	37.81 0.78 0.00	39.46 1.00 0.00	33.69 0.76 0.00	27.70 0.62 0.00	27.05 0.68 0.00	26.82 0.63 0.00	27.98 0.65 0.00	27.98 0.74 2.18	29.99 0.92 2.64	31.94 1.13 4.65	44.84 1.05 0.00	64.46 1.14 0.00	74.26 0.95 0.00	70.71 0.63 0.00	49.98 0.59 0.00	43.32 0.89 0.00	37.95 0.85 0.00	34.53 0.68 0.00
CRICKET__VALLEY_CC2 323757	32.04 0.47 0.00	28.33 0.42 0.00	27.17 0.38 0.00	25.52 0.30 0.00	25.87 0.36 0.00	28.38 0.50 0.00	37.81 0.78 0.00	39.46 1.00 0.00	33.69 0.76 0.00	27.70 0.62 0.00	27.05 0.68 0.00	26.82 0.63 0.00	27.98 0.65 0.00	27.98 0.74 2.18	29.99 0.92 2.64	31.94 1.13 4.65	44.84 1.05 0.00	64.46 1.14 0.00	74.26 0.95 0.00	70.71 0.63 0.00	49.98 0.59 0.00	43.32 0.89 0.00	37.95 0.85 0.00	34.53 0.68 0.00
CRICKET__VALLEY_CC3 323758	32.04 0.47 0.00	28.33 0.42 0.00	27.17 0.38 0.00	25.52 0.30 0.00	25.87 0.36 0.00	28.38 0.50 0.00	37.81 0.78 0.00	39.46 1.00 0.00	33.69 0.76 0.00	27.70 0.62 0.00	27.05 0.68 0.00	26.82 0.63 0.00	27.98 0.65 0.00	27.98 0.74 2.18	29.99 0.92 2.64	31.94 1.13 4.65	44.84 1.05 0.00	64.46 1.14 0.00	74.26 0.95 0.00	70.71 0.63 0.00	49.98 0.59 0.00	43.32 0.89 0.00	37.95 0.85 0.00	34.53 0.68 0.00
CRUCIBLE__METL_DRP 24180	31.63 0.06 0.00	27.97 0.06 0.00	26.83 0.03 0.00	25.22 0.00 0.00	25.51 0.00 0.00	27.80 -0.08 0.00	36.85 -0.19 0.00	38.23 -0.23 0.00	32.77 -0.16 0.00	26.97 -0.11 0.00	26.24 -0.13 0.00	26.06 -0.13 0.00	27.22 -0.11 0.00	29.36 -0.06 0.00	31.58 -0.13 0.00	35.32 -0.14 0.00	43.66 -0.13 0.00	63.13 -0.19 0.00	73.23 -0.07 0.00	70.08 0.00 0.00	49.44 0.05 0.00	42.30 -0.13 0.00	36.98 -0.11 0.00	33.82 -0.03 0.00
DAHOWA__HYDRO 323763	32.58 1.01 0.00	28.75 0.84 0.00	27.66 0.86 0.00	26.02 0.81 0.00	26.27 0.76 0.00	28.80 0.92 0.00	38.36 1.33 0.00	39.77 1.31 0.00	33.79 0.85 0.00	27.51 0.43 0.00	26.63 0.26 0.00	26.33 0.13 0.00	27.41 0.08 0.00	29.44 0.18 0.16	31.87 0.35 0.19	35.69 0.57 0.34	44.88 1.10 0.00	65.16 1.84 0.00	75.72 2.42 0.00	72.39 2.31 0.00	50.97 1.58 0.00	43.78 1.36 0.00	38.39 1.30 0.00	34.83 0.98 0.00
DANC__LFGE 323619	31.82 0.25 0.00	28.16 0.25 0.00	27.09 0.30 0.00	25.44 0.23 0.00	25.79 0.28 0.00	28.22 0.34 0.00	37.40 0.37 0.00	38.81 0.35 0.00	33.14 0.20 0.00	27.03 -0.05 0.00	26.24 -0.13 0.00	26.06 -0.13 0.00	27.19 -0.14 0.00	29.25 -0.18 0.00	31.42 -0.29 0.00	35.21 -0.25 0.00	43.70 -0.09 0.00	63.70 0.38 0.00	74.41 1.10 0.00	71.48 1.40 0.00	50.17 0.79 0.00	42.93 0.51 0.00	37.43 0.33 0.00	34.12 0.27 0.00
DANSKAMMER__1 23586	32.55 0.98 0.00	28.80 0.89 0.00	27.63 0.83 0.00	25.92 0.71 0.00	26.25 0.74 0.00	28.77 0.89 0.00	38.29 1.26 0.00	39.96 1.50 0.00	34.22 1.28 0.00	28.11 1.03 0.00	27.42 1.06 0.00	27.22 1.02 0.00	28.42 1.09 0.00	30.81 1.18 -0.21	33.42 1.46 -0.25	37.71 1.81 -0.44	45.71 1.92 0.00	65.86 2.54 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.97 1.58 0.00	44.16 1.74 0.00	38.69 1.59 0.00	35.20 1.36 0.00
DANSKAMMER__2 23589	32.55 0.98 0.00	28.80 0.89 0.00	27.63 0.83 0.00	25.92 0.71 0.00	26.25 0.74 0.00	28.77 0.89 0.00	38.29 1.26 0.00	39.96 1.50 0.00	34.22 1.28 0.00	28.11 1.03 0.00	27.42 1.06 0.00	27.22 1.02 0.00	28.42 1.09 0.00	30.81 1.18 -0.21	33.42 1.46 -0.25	37.71 1.81 -0.44	45.71 1.92 0.00	65.86 2.54 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.97 1.58 0.00	44.16 1.74 0.00	38.69 1.59 0.00	35.20 1.36 0.00
DANSKAMMER__3 23590	32.55 0.98 0.00	28.80 0.89 0.00	27.63 0.83 0.00	25.92 0.71 0.00	26.25 0.74 0.00	28.77 0.89 0.00	38.29 1.26 0.00	39.96 1.50 0.00	34.22 1.28 0.00	28.11 1.03 0.00	27.42 1.06 0.00	27.22 1.02 0.00	28.42 1.09 0.00	30.81 1.18 -0.21	33.42 1.46 -0.25	37.71 1.81 -0.44	45.71 1.92 0.00	65.86 2.54 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.97 1.58 0.00	44.16 1.74 0.00	38.69 1.59 0.00	35.20 1.36 0.00



DANSKAMMER___4 23591	32.55 0.98 0.00	28.80 0.89 0.00	27.63 0.83 0.00	25.92 0.71 0.00	26.25 0.74 0.00	28.77 0.89 0.00	38.29 1.26 0.00	39.96 1.50 0.00	34.22 1.28 0.00	28.11 1.03 0.00	27.42 1.06 0.00	27.22 1.02 0.00	28.42 1.09 0.00	30.81 1.18 -0.21	33.42 1.46 -0.25	37.71 1.81 -0.44	45.71 1.92 0.00	65.86 2.54 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.97 1.58 0.00	44.16 1.74 0.00	38.69 1.59 0.00	35.20 1.36 0.00
DANSKAMMER___DIESEL 23592	32.55 0.98 0.00	28.80 0.89 0.00	27.63 0.83 0.00	25.97 0.76 0.00	26.28 0.77 0.00	28.80 0.92 0.00	38.29 1.26 0.00	40.00 1.54 0.00	34.22 1.28 0.00	28.14 1.06 0.00	27.42 1.05 0.00	27.22 1.02 0.00	28.42 1.09 0.00	30.84 1.21 -0.21	33.42 1.46 -0.25	37.71 1.81 -0.44	45.72 1.93 0.00	65.85 2.53 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.97 1.58 0.00	44.21 1.78 0.00	38.65 1.56 0.00	35.20 1.35 0.00
DARBY___SOLAR 323810	32.52 0.95 0.00	28.69 0.78 0.00	27.60 0.80 0.00	25.97 0.76 0.00	26.22 0.71 0.00	28.74 0.87 0.00	38.29 1.26 0.00	39.73 1.27 0.00	33.73 0.79 0.00	27.51 0.43 0.00	26.63 0.26 0.00	26.33 0.13 0.00	27.41 0.08 0.00	29.41 0.15 0.17	31.83 0.32 0.20	35.67 0.57 0.35	44.84 1.05 0.00	65.03 1.71 0.00	75.50 2.20 0.00	72.18 2.10 0.00	50.82 1.43 0.00	43.70 1.27 0.00	38.32 1.22 0.00	34.76 0.91 0.00
DASHVILLE___HYD 23610	32.33 0.76 0.00	28.61 0.70 0.00	27.44 0.64 0.00	25.77 0.55 0.00	26.10 0.59 0.00	28.58 0.70 0.00	37.99 0.96 0.00	39.65 1.19 0.00	33.89 0.96 0.00	27.84 0.76 0.00	27.16 0.79 0.00	26.95 0.76 0.00	28.15 0.82 0.00	30.74 1.18 -0.14	33.33 1.46 -0.16	37.56 1.81 -0.29	45.32 1.53 0.00	65.35 2.03 0.00	75.49 2.79 0.60	72.13 2.24 0.19	50.57 1.19 0.00	43.91 1.48 0.00	38.39 1.30 0.00	35.00 1.15 0.00
DELAWARE___LFGE 323621	32.23 0.66 0.00	28.50 0.59 0.00	27.36 0.56 0.00	25.72 0.50 0.00	26.05 0.54 0.00	28.49 0.61 0.00	37.81 0.78 0.00	39.31 0.85 0.00	33.63 0.69 0.00	27.57 0.49 0.00	26.84 0.47 0.00	26.67 0.47 0.00	27.82 0.49 0.00	29.99 0.53 -0.04	32.36 0.60 -0.05	36.36 0.82 -0.09	44.75 0.96 0.00	64.71 1.39 0.00	74.92 1.61 0.00	71.55 1.47 0.00	50.42 1.04 0.00	43.40 0.98 0.00	37.98 0.89 0.00	34.66 0.81 0.00
DERFIELD_115KV_TB7 355931	31.63 0.06 0.00	27.97 0.06 0.00	26.85 0.05 0.00	25.27 0.05 0.00	25.56 0.05 0.00	27.94 0.06 0.00	37.10 0.07 0.00	38.58 0.12 0.00	33.00 0.07 0.00	27.11 0.03 0.00	26.39 0.03 0.00	26.22 0.03 0.00	27.35 0.03 0.00	29.45 0.03 0.00	31.74 0.03 0.00	35.53 0.07 0.00	43.83 0.04 0.00	63.38 0.06 0.00	73.38 0.07 0.00	70.15 0.07 0.00	49.44 0.05 0.00	42.51 0.08 0.00	37.17 0.07 0.00	33.92 0.07 0.00
DOGLEVILLE___HYD 23807	31.38 -0.19 0.00	27.77 -0.14 0.00	26.69 -0.11 0.00	25.09 -0.13 0.00	25.38 -0.13 0.00	27.77 -0.11 0.00	36.88 -0.15 0.00	38.34 -0.12 0.00	32.77 -0.16 0.00	26.86 -0.22 0.00	26.16 -0.21 0.00	25.96 -0.24 0.00	27.08 -0.25 0.00	29.16 -0.26 0.00	31.42 -0.29 0.00	35.21 -0.25 0.00	43.53 -0.26 0.00	63.00 -0.32 0.00	73.09 -0.22 0.00	69.94 -0.14 0.00	49.24 -0.15 0.00	42.34 -0.08 0.00	37.02 -0.07 0.00	33.71 -0.14 0.00
DUNKIRK___115KV_TB_200 55889	31.82 0.25 0.00	27.97 0.06 0.00	26.80 0.00 0.00	25.29 0.08 0.00	25.43 -0.08 0.00	27.38 -0.50 0.00	35.77 -1.26 0.00	36.54 -1.92 0.00	31.92 -1.02 0.00	26.89 -0.19 0.00	26.37 0.00 0.00	26.30 0.10 0.00	27.52 0.19 0.00	29.69 0.26 0.00	31.58 -0.13 0.00	35.14 -0.32 0.00	43.61 -0.18 0.00	61.67 -1.65 0.00	71.84 -1.47 0.00	68.33 -1.75 0.00	48.20 -1.19 0.00	40.51 -1.91 0.00	35.98 -1.11 0.00	33.54 -0.30 0.00
DUNKIRK___1 23563	31.82 0.25 0.00	27.97 0.06 0.00	26.80 0.00 0.00	25.29 0.08 0.00	25.43 -0.08 0.00	27.38 -0.50 0.00	35.77 -1.26 0.00	36.54 -1.92 0.00	31.92 -1.02 0.00	26.89 -0.19 0.00	26.37 0.00 0.00	26.30 0.10 0.00	27.52 0.19 0.00	29.69 0.26 0.00	31.58 -0.13 0.00	35.14 -0.32 0.00	43.61 -0.18 0.00	61.67 -1.65 0.00	71.84 -1.47 0.00	68.33 -1.75 0.00	48.20 -1.19 0.00	40.51 -1.91 0.00	35.98 -1.11 0.00	33.54 -0.30 0.00
DUNKIRK___2 23564	31.82 0.25 0.00	27.97 0.06 0.00	26.80 0.00 0.00	25.29 0.08 0.00	25.43 -0.08 0.00	27.38 -0.50 0.00	35.77 -1.26 0.00	36.54 -1.92 0.00	31.92 -1.02 0.00	26.89 -0.19 0.00	26.37 0.00 0.00	26.30 0.10 0.00	27.52 0.19 0.00	29.69 0.26 0.00	31.58 -0.13 0.00	35.14 -0.32 0.00	43.61 -0.18 0.00	61.67 -1.65 0.00	71.84 -1.47 0.00	68.33 -1.75 0.00	48.20 -1.19 0.00	40.51 -1.91 0.00	35.98 -1.11 0.00	33.54 -0.30 0.00
DUNKIRK___3 23565	31.70 0.13 0.00	27.85 -0.06 0.00	26.69 -0.11 0.00	25.19 -0.03 0.00	25.33 -0.18 0.00	27.27 -0.61 0.00	35.59 -1.44 0.00	36.34 -2.12 0.00	31.75 -1.19 0.00	26.73 -0.35 0.00	26.21 -0.16 0.00	26.12 -0.08 0.00	27.35 0.03 0.00	29.48 0.06 0.00	31.36 -0.35 0.00	34.93 -0.53 0.00	43.26 -0.53 0.00	61.23 -2.09 0.00	71.33 -1.98 0.00	67.84 -2.24 0.00	47.90 -1.48 0.00	40.30 -2.12 0.00	35.76 -1.34 0.00	33.41 -0.44 0.00
DUNKIRK___4 23566	31.70 0.13 0.00	27.85 -0.06 0.00	26.69 -0.11 0.00	25.19 -0.03 0.00	25.33 -0.18 0.00	27.27 -0.61 0.00	35.59 -1.44 0.00	36.34 -2.12 0.00	31.75 -1.19 0.00	26.73 -0.35 0.00	26.21 -0.16 0.00	26.12 -0.08 0.00	27.35 0.03 0.00	29.48 0.06 0.00	31.36 -0.35 0.00	34.93 -0.53 0.00	43.26 -0.53 0.00	61.23 -2.09 0.00	71.33 -1.98 0.00	67.84 -2.24 0.00	47.90 -1.48 0.00	40.30 -2.12 0.00	35.76 -1.34 0.00	33.41 -0.44 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	32.64 1.07 0.00	28.86 0.95 0.00	27.66 0.86 0.00	26.00 0.78 0.00	26.30 0.79 0.00	28.86 0.98 0.00	38.36 1.33 0.00	40.08 1.62 0.00	34.42 1.48 0.00	28.35 1.27 0.00	27.74 1.37 0.00	27.56 1.36 0.00	28.78 1.45 0.00	31.26 1.62 -0.22	33.84 1.87 -0.26	38.09 2.16 -0.47	45.89 2.10 0.00	65.85 2.53 0.00	75.95 2.64 0.00	72.18 2.10 0.00	50.87 1.48 0.00	44.21 1.78 0.00	38.80 1.71 0.00	35.37 1.52 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	32.39 0.82 0.00	28.66 0.75 0.00	27.50 0.70 0.00	25.85 0.63 0.00	26.15 0.64 0.00	28.69 0.81 0.00	38.10 1.07 0.00	39.81 1.35 0.00	34.09 1.15 0.00	28.03 0.95 0.00	27.34 0.98 0.00	27.14 0.94 0.00	28.37 1.04 0.00	30.74 1.12 -0.20	33.31 1.36 -0.24	37.55 1.67 -0.42	45.50 1.71 0.00	65.47 2.15 0.00	75.58 2.27 0.00	71.83 1.75 0.00	50.67 1.28 0.00	43.91 1.48 0.00	38.47 1.37 0.00	35.07 1.22 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	33.09 1.52 -0.01	29.23 1.31 -0.01	27.99 1.18 -0.01	26.31 1.08 -0.01	26.62 1.10 -0.01	29.11 1.23 0.00	38.44 1.41 0.00	40.08 1.62 0.00	34.55 1.61 0.00	28.46 1.38 0.00	27.87 1.50 0.00	27.71 1.52 0.00	28.94 1.61 0.00	31.44 1.79 -0.22	34.07 2.09 -0.26	38.30 2.38 -0.47	45.85 2.06 0.00	65.66 2.34 0.00	75.73 2.42 0.00	71.97 1.89 0.00	50.72 1.33 0.00	44.21 1.78 0.00	39.22 2.11 -0.01	35.72 1.86 -0.01



E179THST_13_KV_LOAD 356214	33.22 1.64 -0.01	29.31 1.40 -0.01	28.09 1.29 -0.01	26.39 1.16 -0.01	26.69 1.17 -0.01	29.22 1.34 0.00	38.55 1.52 0.00	40.19 1.73 0.00	34.68 1.75 0.00	28.57 1.49 0.00	28.00 1.63 0.00	27.82 1.62 0.00	29.08 1.75 0.00	31.58 1.94 -0.22	34.22 2.25 -0.26	38.48 2.55 -0.47	46.07 2.28 0.00	66.04 2.72 0.00	76.17 2.86 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.42 1.99 0.00	39.36 2.26 -0.01	35.89 2.03 -0.01
EAST HAMPTON___GT 23717	31.82 0.25 0.00	27.83 -0.08 0.00	26.46 -0.22 0.12	24.92 -0.30 0.00	25.31 -0.20 0.00	27.64 -0.11 0.12	36.91 -0.11 0.01	38.92 0.46 0.01	33.76 0.82 0.00	27.81 0.73 0.00	27.82 1.45 0.00	27.56 1.36 0.00	28.91 1.58 0.00	31.50 1.85 -0.22	34.39 2.41 -0.27	38.73 2.80 -0.47	45.54 1.75 0.00	64.32 1.01 0.01	74.40 1.10 0.01	70.98 0.91 0.01	50.17 0.79 0.00	44.16 1.74 0.00	39.21 2.11 0.00	35.61 1.76 0.00
EAST RIVER___6 23660	32.83 1.26 0.00	29.00 1.09 0.00	27.79 0.99 0.00	26.05 0.83 0.00	26.40 0.89 0.00	28.91 1.03 0.00	38.44 1.41 0.00	40.15 1.69 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.92 1.56 0.00	27.77 1.57 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	46.15 2.36 0.00	66.10 2.78 0.00	76.24 2.94 0.00	72.39 2.31 0.00	51.01 1.63 0.00	44.33 1.91 0.00	39.06 1.96 0.00	35.54 1.69 0.00
EAST RIVER___7 23524	32.83 1.26 0.00	29.00 1.09 0.00	27.79 0.99 0.00	26.05 0.83 0.00	26.40 0.89 0.00	28.91 1.03 0.00	38.44 1.41 0.00	40.15 1.69 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.92 1.56 0.00	27.77 1.57 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	46.15 2.36 0.00	66.10 2.78 0.00	76.24 2.94 0.00	72.39 2.31 0.00	51.01 1.63 0.00	44.33 1.91 0.00	39.06 1.96 0.00	35.54 1.69 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	32.58 1.01 0.00	28.80 0.89 0.00	27.60 0.80 0.00	25.95 0.73 0.00	26.25 0.74 0.00	28.80 0.92 0.00	38.25 1.22 0.00	40.00 1.54 0.00	34.32 1.38 0.00	28.27 1.19 0.00	27.66 1.29 0.00	27.48 1.28 0.00	28.69 1.37 0.00	31.14 1.50 -0.22	33.72 1.74 -0.26	37.98 2.06 -0.47	45.76 1.97 0.00	65.66 2.34 0.00	75.73 2.42 0.00	71.97 1.89 0.00	50.72 1.33 0.00	44.08 1.65 0.00	38.69 1.59 0.00	35.27 1.42 0.00
EAST_HAMPTON___DIESEL 23722	31.76 0.19 0.00	27.77 -0.14 0.00	26.41 -0.27 0.12	24.86 -0.35 0.00	25.26 -0.26 0.00	27.59 -0.17 0.12	36.84 -0.18 0.01	38.84 0.38 0.01	33.73 0.79 0.00	27.78 0.70 0.00	27.79 1.42 0.00	27.53 1.34 0.00	28.88 1.56 0.00	31.47 1.82 -0.22	34.33 2.35 -0.27	38.70 2.77 -0.47	45.45 1.66 0.00	64.20 0.89 0.01	74.25 0.95 0.01	70.84 0.77 0.01	50.13 0.74 0.00	44.08 1.65 0.00	39.17 2.08 0.00	35.57 1.73 0.00
EAST_POINT___SOLAR 323840	33.84 2.27 0.00	29.86 1.95 0.00	28.78 1.98 0.00	27.06 1.84 0.00	27.32 1.81 0.00	29.89 2.01 0.00	39.81 2.78 0.00	40.73 2.27 0.00	33.56 0.62 0.00	26.67 -0.41 0.00	25.55 -0.82 0.00	25.30 -0.89 0.00	26.43 -0.90 0.00	28.37 -0.97 0.09	30.65 -0.95 0.10	34.74 -0.53 0.19	44.27 0.48 0.00	66.55 3.23 0.00	79.68 6.37 0.00	76.31 6.23 0.00	53.48 4.10 0.00	45.73 3.31 0.00	40.10 3.00 0.00	36.32 2.47 0.00
EAST_PULASKI___ESR 323781	31.54 -0.03 0.00	27.88 -0.03 0.00	26.77 -0.03 0.00	25.19 -0.03 0.00	25.48 -0.03 0.00	27.80 -0.08 0.00	36.85 -0.18 0.00	38.27 -0.19 0.00	32.74 -0.20 0.00	26.83 -0.24 0.00	26.08 -0.29 0.00	25.91 -0.29 0.00	27.03 -0.30 0.00	29.13 -0.29 0.00	31.33 -0.38 0.00	35.00 -0.46 0.00	43.35 -0.44 0.00	62.88 -0.44 0.00	73.16 -0.15 0.00	70.15 0.07 0.00	49.39 0.00 0.00	42.30 -0.13 0.00	36.95 -0.15 0.00	33.75 -0.10 0.00
EAST_RIVER___1 323558	32.83 1.26 0.00	29.00 1.09 0.00	27.79 0.99 0.00	26.05 0.83 0.00	26.43 0.92 0.00	28.94 1.06 0.00	38.47 1.44 0.00	40.23 1.77 0.00	34.62 1.68 0.00	28.49 1.41 0.00	27.92 1.56 0.00	27.74 1.55 0.00	28.97 1.64 0.00	31.47 1.82 -0.22	34.06 2.09 -0.26	38.41 2.48 -0.47	46.11 2.32 0.00	66.10 2.78 0.00	76.24 2.94 0.00	72.39 2.31 0.00	51.01 1.63 0.00	44.33 1.91 0.00	39.06 1.96 0.00	35.54 1.69 0.00
EAST_RIVER___2 323559	32.83 1.26 0.00	29.00 1.09 0.00	27.79 0.99 0.00	26.05 0.83 0.00	26.40 0.89 0.00	28.91 1.03 0.00	38.44 1.41 0.00	40.15 1.69 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.92 1.56 0.00	27.77 1.57 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	46.15 2.36 0.00	66.10 2.78 0.00	76.24 2.94 0.00	72.39 2.31 0.00	51.01 1.63 0.00	44.33 1.91 0.00	39.06 1.96 0.00	35.54 1.69 0.00
EAST___DELAWARE_HYD 23607	32.39 0.82 0.00	28.64 0.72 0.00	27.50 0.70 0.00	25.77 0.55 0.00	26.12 0.61 0.00	28.60 0.72 0.00	38.07 1.04 0.00	39.77 1.31 0.00	34.02 1.09 0.00	27.89 0.81 0.00	27.19 0.82 0.00	26.98 0.79 0.00	28.18 0.85 0.00	30.47 0.88 -0.17	33.05 1.14 -0.20	37.37 1.56 -0.36	45.49 1.71 0.00	65.79 2.47 0.00	75.89 2.78 0.20	72.25 2.24 0.06	50.97 1.58 0.00	44.16 1.74 0.00	38.61 1.52 0.00	35.10 1.25 0.00
EIGHT_POINT___WT_PWR 323820	32.04 0.47 0.00	28.25 0.34 0.00	27.15 0.35 0.00	25.62 0.40 0.00	25.77 0.26 0.00	27.94 0.06 0.00	36.62 -0.41 0.00	37.65 -0.81 0.00	32.54 -0.39 0.00	27.05 -0.03 0.00	26.29 -0.08 0.00	26.12 -0.08 0.00	27.30 -0.03 0.00	29.48 0.06 0.00	31.65 -0.06 0.00	35.25 -0.21 0.00	43.79 0.00 0.00	62.94 -0.38 0.00	73.82 0.52 0.00	70.36 0.28 0.00	49.63 0.25 0.00	41.87 -0.55 0.00	36.79 -0.30 0.00	34.15 0.30 0.00
ELBRIDGE_115KV_TB2 80188	31.51 -0.06 0.00	27.85 -0.06 0.00	26.72 -0.08 0.00	25.12 -0.10 0.00	25.38 -0.13 0.00	27.66 -0.22 0.00	36.66 -0.37 0.00	38.04 -0.42 0.00	32.64 -0.30 0.00	26.86 -0.22 0.00	26.13 -0.24 0.00	25.96 -0.24 0.00	27.11 -0.22 0.00	29.22 -0.21 0.00	31.42 -0.29 0.00	35.18 -0.28 0.00	43.48 -0.31 0.00	62.81 -0.51 0.00	72.87 -0.44 0.00	69.73 -0.35 0.00	49.14 -0.25 0.00	42.08 -0.34 0.00	36.80 -0.30 0.00	33.68 -0.17 0.00
ELEC_TRO_TEK 24086	32.45 0.88 0.00	28.52 0.61 0.00	27.28 0.48 0.00	25.65 0.43 0.00	25.92 0.41 0.00	28.41 0.53 0.00	37.73 0.70 0.01	39.45 1.00 0.01	33.99 1.05 0.00	28.00 0.92 0.00	27.66 1.29 0.00	27.48 1.28 0.00	28.78 1.45 0.00	31.32 1.68 -0.22	33.99 2.00 -0.28	38.17 2.23 -0.48	45.54 1.75 0.00	64.96 1.65 0.01	74.99 1.69 0.01	71.26 1.19 0.01	50.23 0.84 0.00	43.99 1.57 0.00	38.87 1.78 0.00	35.27 1.42 0.00
ELLENBURG_WT_PWR 323604	31.16 -0.41 0.00	27.72 -0.19 0.00	26.69 -0.11 0.00	25.19 -0.03 0.00	25.59 0.08 0.00	28.19 0.31 0.00	37.66 0.63 0.00	39.07 0.61 0.00	33.59 0.66 0.00	27.76 0.68 0.00	27.03 0.66 0.00	27.01 0.81 0.00	28.07 0.74 0.00	30.13 0.70 0.00	32.38 0.67 0.00	36.31 0.85 0.00	45.15 1.36 0.00	66.04 2.72 0.00	76.75 3.45 0.00	73.51 3.43 0.00	51.46 2.07 0.00	43.91 1.48 0.00	38.13 1.04 0.00	34.63 0.78 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	31.54 -0.03 0.00	27.77 -0.14 0.00	26.61 -0.19 0.00	25.12 -0.10 0.00	25.23 -0.28 0.00	27.07 -0.81 0.00	35.25 -1.78 0.00	35.88 -2.58 0.00	31.42 -1.52 0.00	26.46 -0.62 0.00	25.95 -0.42 0.00	25.85 -0.34 0.00	27.08 -0.25 0.00	29.22 -0.21 0.00	31.04 -0.67 0.00	34.50 -0.96 0.00	42.61 -1.18 0.00	60.28 -3.04 0.00	70.08 -3.23 0.00	66.85 -3.22 0.00	47.36 -2.02 0.00	39.84 -2.59 0.00	35.42 -1.67 0.00	33.14 -0.71 0.00
EMPIRE_CC_1 323656	32.14 0.57 0.00	28.38 0.47 0.00	27.25 0.46 0.00	25.62 0.40 0.00	25.94 0.43 0.00	28.44 0.56 0.00	37.92 0.89 0.00	39.50 1.04 0.00	33.59 0.66 0.00	27.54 0.46 0.00	26.84 0.48 0.00	26.59 0.39 0.00	27.71 0.38 0.00	29.62 0.44 0.25	32.01 0.60 0.30	35.64 0.71 0.53	44.53 0.74 0.00	64.27 0.95 0.00	74.12 0.81 0.00	70.71 0.63 0.00	49.98 0.59 0.00	43.19 0.76 0.00	37.76 0.67 0.00	34.39 0.54 0.00
EMPIRE_CC_2 323658	32.14 0.57 0.00	28.38 0.47 0.00	27.25 0.46 0.00	25.62 0.40 0.00	25.94 0.43 0.00	28.44 0.56 0.00	37.92 0.89 0.00	39.50 1.04 0.00	33.59 0.66 0.00	27.54 0.46 0.00	26.84 0.48 0.00	26.59 0.39 0.00	27.71 0.38 0.00	29.62 0.44 0.25	32.01 0.60 0.30	35.64 0.71 0.53	44.53 0.74 0.00	64.27 0.95 0.00	74.12 0.81 0.00	70.71 0.63 0.00	49.98 0.59 0.00	43.19 0.76 0.00	37.76 0.67 0.00	34.39 0.54 0.00
ENORWICH_115KV_TB1 80156	33.21 1.64 0.00	29.39 1.48 0.00	28.30 1.50 0.00	26.53 1.31 0.00	26.94 1.43 0.00	29.38 1.51 0.00	38.88 1.85 0.00	40.38 1.92 0.00	34.45 1.52 0.00	27.89 0.81 0.00	27.00 0.63 0.00	26.82 0.63 0.00	27.98 0.66 0.00	30.04 0.59 -0.03	32.35 0.60 -0.04	36.77 1.24 -0.07	45.89 2.10 0.00	67.12 3.80 0.00	78.81 5.50 0.00	75.68 5.61 0.00	52.94 3.56 0.00	45.05 2.63 0.00	39.21 2.11 0.00	35.78 1.93 0.00
ERIE_ST__34_KV_TB1-2 80199	31.60 0.03 0.00	27.74 -0.17 0.00	26.59 -0.21 0.00	25.09 -0.13 0.00	25.23 -0.28 0.00	27.18 -0.70 0.00	35.40 -1.63 0.00	36.15 -2.31 0.00	31.59 -1.35 0.00	26.59 -0.49 0.00	26.05 -0.32 0.00	25.96 -0.24 0.00	27.19 -0.14 0.00	29.33 -0.09 0.00	31.23 -0.48 0.00	34.75 -0.71 0.00	43.09 -0.70 0.00	60.98 -2.34 0.00	70.96 -2.35 0.00	67.63 -2.45 0.00	47.76 -1.63 0.00	40.13 -2.29 0.00	35.65 -1.45 0.00	33.31 -0.54 0.00
ERIE_WT_PWR 323693	31.70 0.13 0.00	27.91 0.00 0.00	26.85 0.05 0.00	25.42 0.20 0.00	25.48 -0.03 0.00	27.38 -0.50 0.00	35.48 -1.55 0.00	36.15 -2.31 0.00	31.58 -1.35 0.00	26.64 -0.43 0.00	26.05 -0.32 0.00	25.96 -0.24 0.00	27.19 -0.14 0.00	29.39 -0.03 0.00	31.45 -0.25 0.00	34.71 -0.75 0.00	42.91 -0.88 0.00	60.66 -2.66 0.00	70.67 -2.64 0.00	67.34 -2.73 0.00	47.66 -1.73 0.00	40.13 -2.29 0.00	35.61 -1.48 0.00	33.41 -0.44 0.00
ESPRGFLD_115KV_TB1 80157	33.21 1.64 0.00	29.33 1.42 0.00	28.22 1.42 0.00	26.53 1.31 0.00	26.84 1.33 0.00	29.33 1.45 0.00	38.96 1.93 0.00	40.34 1.88 0.00	34.12 1.19 0.00	27.62 0.54 0.00	26.71 0.34 0.00	26.48 0.29 0.00	27.60 0.27 0.00	29.64 0.26 0.04	32.04 0.38 0.05	36.22 0.85 0.09	45.41 1.62 0.00	66.61 3.29 0.00	78.15 4.84 0.00	74.70 4.63 0.00	52.40 3.01 0.00	44.88 2.46 0.00	39.28 2.19 0.00	35.75 1.90 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	32.07 0.51 0.00	28.33 0.42 0.00	27.20 0.40 0.00	25.57 0.35 0.00	25.84 0.33 0.00	28.19 0.31 0.00	37.33 0.30 0.00	38.73 0.27 0.00	33.20 0.26 0.00	27.27 0.19 0.00	26.50 0.13 0.00	26.30 0.10 0.00	27.46 0.14 0.00	29.57 0.15 0.00	31.84 0.13 0.00	35.74 0.28 0.00	44.36 0.57 0.00	64.14 0.82 0.00	74.63 1.32 0.00	71.34 1.26 0.00	50.27 0.89 0.00	42.93 0.51 0.00	37.54 0.45 0.00	34.36 0.51 0.00
ETNA____115KV_TB2 80207	32.07 0.51 0.00	28.33 0.42 0.00	27.20 0.40 0.00	25.57 0.35 0.00	25.84 0.33 0.00	28.19 0.31 0.00	37.33 0.30 0.00	38.73 0.27 0.00	33.20 0.26 0.00	27.27 0.19 0.00	26.50 0.13 0.00	26.30 0.10 0.00	27.46 0.14 0.00	29.57 0.15 0.00	31.84 0.13 0.00	35.74 0.28 0.00	44.36 0.57 0.00	64.14 0.82 0.00	74.63 1.32 0.00	71.34 1.26 0.00	50.27 0.89 0.00	42.93 0.51 0.00	37.54 0.45 0.00	34.36 0.51 0.00
EUCLID____115KV_TB2 356179	31.41 -0.16 0.00	27.74 -0.17 0.00	26.64 -0.16 0.00	25.04 -0.18 0.00	25.31 -0.20 0.00	27.57 -0.31 0.00	36.55 -0.48 0.00	37.92 -0.54 0.00	32.54 -0.40 0.00	26.78 -0.30 0.00	26.08 -0.29 0.00	25.88 -0.31 0.00	27.03 -0.30 0.00	29.13 -0.29 0.00	31.36 -0.35 0.00	35.03 -0.43 0.00	43.26 -0.53 0.00	62.43 -0.89 0.00	72.43 -0.88 0.00	69.31 -0.77 0.00	48.89 -0.49 0.00	41.87 -0.55 0.00	36.61 -0.48 0.00	33.51 -0.34 0.00
E_CANADA_CAP_HY 24051	33.72 2.15 0.00	29.75 1.84 0.00	28.65 1.85 0.00	26.96 1.74 0.00	27.22 1.71 0.00	29.78 1.90 0.00	39.62 2.59 0.00	40.85 2.39 0.00	34.19 1.25 0.00	27.43 0.35 0.00	26.34 -0.03 0.00	26.04 -0.16 0.00	27.14 -0.19 0.00	29.17 -0.18 0.07	31.55 -0.06 0.09	35.80 0.50 0.16	45.32 1.53 0.00	67.18 3.86 0.00	79.32 6.01 0.00	75.83 5.75 0.00	53.19 3.80 0.00	45.52 3.10 0.00	39.91 2.82 0.00	36.18 2.33 0.00
E_CANADA_MHWK_HY 24050	31.38 -0.19 0.00	27.77 -0.14 0.00	26.69 -0.11 0.00	25.07 -0.15 0.00	25.38 -0.13 0.00	27.77 -0.11 0.00	36.88 -0.15 0.00	38.34 -0.12 0.00	32.77 -0.16 0.00	26.86 -0.22 0.00	26.16 -0.21 0.00	25.96 -0.24 0.00	27.08 -0.25 0.00	29.16 -0.27 0.00	31.42 -0.29 0.00	35.21 -0.25 0.00	43.53 -0.26 0.00	63.01 -0.32 0.00	73.09 -0.22 0.00	69.94 -0.14 0.00	49.24 -0.15 0.00	42.34 -0.08 0.00	37.02 -0.07 0.00	33.71 -0.13 0.00
E_FISHKILL__LBMP 23776	32.33 0.76 0.00	28.58 0.67 0.00	27.42 0.62 0.00	25.77 0.55 0.00	26.07 0.56 0.00	28.60 0.72 0.00	38.03 1.00 0.00	39.69 1.23 0.00	33.99 1.05 0.00	27.97 0.89 0.00	27.34 0.98 0.00	27.14 0.94 0.00	28.31 0.98 0.00	30.73 1.09 -0.22	33.28 1.30 -0.27	37.46 1.52 -0.48	45.28 1.49 0.00	65.03 1.71 0.00	74.99 1.69 0.00	71.34 1.26 0.00	50.32 0.94 0.00	43.65 1.23 0.00	38.28 1.19 0.00	34.90 1.05 0.00
FALCON__SEABRD_CC1 323796	31.32 -0.25 0.00	27.91 0.00 0.00	26.91 0.11 0.00	25.44 0.23 0.00	25.87 0.36 0.00	28.55 0.67 0.00	38.22 1.18 0.00	39.65 1.19 0.00	34.12 1.18 0.00	28.24 1.16 0.00	27.50 1.13 0.00	27.53 1.34 0.00	28.59 1.26 0.00	30.66 1.24 0.00	32.94 1.24 0.00	36.95 1.49 0.00	46.06 2.28 0.00	67.56 4.24 0.00	78.66 5.35 0.00	75.34 5.26 0.00	52.64 3.26 0.00	44.80 2.37 0.00	38.84 1.74 0.00	35.20 1.36 0.00
FALCON__SEABRD_CC2 323797	31.32 -0.25 0.00	27.91 0.00 0.00	26.91 0.11 0.00	25.44 0.23 0.00	25.87 0.36 0.00	28.55 0.67 0.00	38.22 1.18 0.00	39.65 1.19 0.00	34.12 1.18 0.00	28.24 1.16 0.00	27.50 1.13 0.00	27.53 1.34 0.00	28.59 1.26 0.00	30.66 1.24 0.00	32.94 1.24 0.00	36.95 1.49 0.00	46.06 2.28 0.00	67.56 4.24 0.00	78.66 5.35 0.00	75.34 5.26 0.00	52.64 3.26 0.00	44.80 2.37 0.00	38.84 1.74 0.00	35.20 1.36 0.00



FAR ROCKAWAY___4 23548	32.86 1.29 0.00	28.86 0.95 0.00	27.60 0.80 0.00	25.92 0.71 0.00	26.20 0.69 0.00	28.72 0.84 0.00	38.14 1.11 0.01	39.84 1.38 0.01	34.39 1.45 0.00	28.30 1.22 0.00	28.03 1.66 0.00	27.82 1.62 0.00	29.16 1.83 0.00	31.79 2.15 -0.22	34.49 2.50 -0.28	38.74 2.80 -0.48	46.28 2.50 0.00	65.97 2.66 0.01	76.16 2.86 0.01	72.38 2.31 0.01	51.11 1.73 0.00	44.67 2.25 0.00	39.43 2.34 0.00	35.78 1.93 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	32.99 1.42 0.00	29.03 1.12 0.00	27.79 0.99 0.00	26.13 0.91 0.00	26.43 0.92 0.00	28.97 1.09 0.00	38.51 1.48 0.00	40.23 1.77 0.00	34.62 1.68 0.00	28.51 1.44 0.00	27.92 1.56 0.00	27.74 1.55 0.00	28.97 1.64 0.00	31.47 1.82 -0.22	34.07 2.09 -0.26	38.34 2.41 -0.47	46.11 2.32 0.00	66.11 2.79 0.00	76.75 3.45 0.00	72.39 2.31 0.00	51.02 1.63 0.00	44.33 1.91 0.00	39.02 1.93 0.00	35.58 1.73 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	32.83 1.26 0.00	29.03 1.12 0.00	27.82 1.02 0.00	26.13 0.91 0.00	26.43 0.92 0.00	28.99 1.12 0.00	38.51 1.48 0.00	40.23 1.77 0.00	34.65 1.71 0.00	28.51 1.44 0.00	27.92 1.56 0.00	27.74 1.55 0.00	28.97 1.64 0.00	31.47 1.82 -0.22	34.07 2.09 -0.26	38.34 2.41 -0.47	46.11 2.32 0.00	66.11 2.79 0.00	76.24 2.93 0.00	72.39 2.31 0.00	51.02 1.63 0.00	44.37 1.95 0.00	39.02 1.93 0.00	35.58 1.73 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	32.80 1.23 0.00	29.00 1.09 0.00	27.79 0.99 0.00	26.13 0.91 0.00	26.43 0.92 0.00	28.97 1.09 0.00	38.47 1.44 0.00	40.23 1.77 0.00	34.62 1.68 0.00	28.51 1.44 0.00	27.90 1.53 0.00	27.71 1.52 0.00	28.94 1.61 0.00	31.44 1.79 -0.22	34.03 2.06 -0.26	38.34 2.41 -0.47	46.07 2.28 0.00	66.04 2.72 0.00	76.17 2.86 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.33 1.91 0.00	38.98 1.89 0.00	35.58 1.73 0.00
FARRAGUT___LBMP 323566	32.80 1.23 0.00	29.00 1.09 0.00	27.76 0.96 0.00	26.10 0.88 0.00	26.40 0.89 0.00	28.97 1.09 0.00	38.47 1.44 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.90 1.53 0.00	27.71 1.52 0.00	28.94 1.61 0.00	31.41 1.77 -0.22	34.03 2.06 -0.26	38.30 2.38 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.09 2.79 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.29 1.87 0.00	38.95 1.85 0.00	35.54 1.69 0.00
FENNER___WINDPWR 24204	32.17 0.60 0.00	28.47 0.56 0.00	27.36 0.56 0.00	25.72 0.50 0.00	26.05 0.54 0.00	28.47 0.59 0.00	37.77 0.74 0.00	39.23 0.77 0.00	33.53 0.59 0.00	27.41 0.33 0.00	26.63 0.26 0.00	26.46 0.26 0.00	27.60 0.27 0.00	29.72 0.29 0.00	31.99 0.28 0.00	35.89 0.43 0.00	44.49 0.70 0.00	64.59 1.27 0.00	75.14 1.83 0.00	72.04 1.96 0.00	50.62 1.24 0.00	43.32 0.89 0.00	37.76 0.67 0.00	34.49 0.64 0.00
FIBERTEK___ENERGY 23856	31.63 0.06 0.00	27.97 0.06 0.00	26.83 0.03 0.00	25.22 0.00 0.00	25.51 0.00 0.00	27.80 -0.08 0.00	36.85 -0.19 0.00	38.23 -0.23 0.00	32.77 -0.16 0.00	26.97 -0.11 0.00	26.24 -0.13 0.00	26.06 -0.13 0.00	27.22 -0.11 0.00	29.36 -0.06 0.00	31.58 -0.13 0.00	35.32 -0.14 0.00	43.66 -0.13 0.00	63.13 -0.19 0.00	73.23 -0.07 0.00	70.08 0.00 0.00	49.44 0.05 0.00	42.30 -0.13 0.00	36.98 -0.11 0.00	33.82 -0.03 0.00
FITZPATRICK___ 23598	30.94 -0.63 0.00	27.35 -0.56 0.00	26.26 -0.54 0.00	24.71 -0.50 0.00	24.97 -0.54 0.00	27.21 -0.67 0.00	36.07 -0.96 0.00	37.42 -1.04 0.00	32.08 -0.86 0.00	26.40 -0.68 0.00	25.71 -0.66 0.00	25.54 -0.65 0.00	26.67 -0.66 0.00	28.72 -0.71 0.00	30.92 -0.79 0.00	34.50 -0.96 0.00	42.61 -1.18 0.00	61.55 -1.77 0.00	71.33 -1.98 0.00	68.33 -1.75 0.00	48.20 -1.19 0.00	41.32 -1.10 0.00	36.13 -0.96 0.00	33.04 -0.81 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	32.61 1.04 0.00	28.86 0.95 0.00	27.68 0.88 0.00	26.00 0.78 0.00	26.30 0.79 0.00	28.83 0.95 0.00	38.36 1.33 0.00	40.04 1.58 0.00	34.25 1.32 0.00	28.16 1.08 0.00	27.45 1.08 0.00	27.24 1.05 0.00	28.45 1.12 0.00	30.84 1.21 -0.21	33.45 1.49 -0.25	37.75 1.84 -0.45	45.76 1.97 0.00	65.92 2.60 0.00	76.09 2.79 0.00	72.39 2.31 0.00	51.02 1.63 0.00	44.25 1.82 0.00	38.69 1.59 0.00	35.24 1.39 0.00
FORT ORANGE___ 23900	31.88 0.32 0.00	28.16 0.25 0.00	27.07 0.27 0.00	25.44 0.23 0.00	25.74 0.23 0.00	28.19 0.31 0.00	37.51 0.48 0.00	39.04 0.58 0.00	33.23 0.30 0.00	27.22 0.14 0.00	26.47 0.11 0.00	26.22 0.03 0.00	27.35 0.03 0.00	29.42 0.12 0.12	31.79 0.22 0.15	35.42 0.21 0.26	43.83 0.04 0.00	63.38 0.06 0.00	72.92 0.00 0.39	69.81 -0.14 0.12	49.34 -0.05 0.00	42.59 0.17 0.00	37.24 0.15 0.00	33.88 0.03 0.00
FORT_DRUM_COGEN 23780	32.20 0.63 0.00	28.52 0.61 0.00	27.47 0.67 0.00	25.77 0.55 0.00	26.17 0.66 0.00	28.72 0.84 0.00	38.10 1.07 0.00	39.54 1.08 0.00	33.66 0.72 0.00	27.30 0.22 0.00	26.45 0.08 0.00	26.30 0.10 0.00	27.41 0.08 0.00	29.42 0.00 0.00	31.55 -0.16 0.00	35.49 0.04 0.00	44.23 0.44 0.00	64.84 1.52 0.00	76.09 2.79 0.00	73.23 3.15 0.00	51.21 1.83 0.00	43.74 1.32 0.00	38.02 0.93 0.00	34.63 0.78 0.00
FOX_HILLS___ESR 323835	32.97 1.39 -0.01	29.06 1.14 -0.01	27.83 1.02 -0.01	26.16 0.93 -0.01	26.46 0.94 -0.01	29.05 1.17 0.00	38.25 1.22 0.00	39.92 1.46 0.00	34.55 1.61 0.00	28.43 1.35 0.00	27.84 1.48 0.00	27.71 1.52 0.00	28.97 1.64 0.00	31.47 1.82 -0.22	34.10 2.12 -0.26	38.27 2.34 -0.47	45.54 1.75 0.00	65.54 2.22 0.00	75.58 2.27 0.00	71.83 1.75 0.00	50.57 1.19 0.00	44.04 1.61 0.00	38.99 1.89 -0.01	35.58 1.73 -0.01
FPL_FAR_ROCK_GT1 24212	32.86 1.29 0.00	28.86 0.95 0.00	27.58 0.78 0.00	25.82 0.60 0.00	26.20 0.69 0.00	28.63 0.75 0.00	38.10 1.07 0.01	39.84 1.38 0.01	34.38 1.45 0.00	28.27 1.19 0.00	28.03 1.66 0.00	27.82 1.62 0.00	29.16 1.83 0.00	31.76 2.12 -0.22	34.49 2.50 -0.28	38.78 2.84 -0.48	46.28 2.49 0.00	66.03 2.72 0.01	76.16 2.86 0.01	72.38 2.31 0.01	51.11 1.73 0.00	44.63 2.20 0.00	39.47 2.38 0.00	35.74 1.89 0.00
FPL_FAR_ROCK_GT2 23815	32.86 1.29 0.00	28.86 0.95 0.00	27.58 0.78 0.00	25.82 0.60 0.00	26.20 0.69 0.00	28.63 0.75 0.00	38.10 1.07 0.01	39.84 1.38 0.01	34.38 1.45 0.00	28.27 1.19 0.00	28.03 1.66 0.00	27.82 1.62 0.00	29.16 1.83 0.00	31.76 2.12 -0.22	34.49 2.50 -0.28	38.78 2.84 -0.48	46.28 2.49 0.00	66.03 2.72 0.01	76.16 2.86 0.01	72.38 2.31 0.01	51.11 1.73 0.00	44.63 2.20 0.00	39.47 2.38 0.00	35.74 1.89 0.00
FRANKLIN_FALL_HYD 24054	31.57 0.00 0.00	28.08 0.17 0.00	27.01 0.21 0.00	25.47 0.25 0.00	25.87 0.36 0.00	28.49 0.61 0.00	38.07 1.04 0.00	39.42 0.96 0.00	33.83 0.89 0.00	27.92 0.84 0.00	27.13 0.76 0.00	27.19 1.00 0.00	28.23 0.90 0.00	30.25 0.82 0.00	32.47 0.76 0.00	36.45 0.99 0.00	45.41 1.62 0.00	66.74 3.42 0.00	77.71 4.40 0.00	74.49 4.41 0.00	52.05 2.67 0.00	44.33 1.91 0.00	38.43 1.34 0.00	34.87 1.02 0.00



FREEPORT_EQUS_GT1 23764	32.58 1.01 0.00	28.61 0.70 0.00	27.34 0.54 0.00	25.60 0.38 0.00	25.97 0.46 0.00	28.38 0.50 0.00	37.76 0.74 0.01	39.49 1.04 0.01	34.06 1.12 0.00	28.00 0.92 0.00	27.76 1.40 0.00	27.56 1.36 0.00	28.86 1.53 0.00	31.47 1.82 -0.22	34.14 2.16 -0.28	38.42 2.48 -0.48	45.76 1.97 0.00	65.28 1.97 0.01	75.28 1.98 0.01	71.55 1.47 0.01	50.47 1.09 0.00	44.12 1.70 0.00	39.09 2.00 0.00	35.37 1.52 0.00
FREEPORT___CT2 23818	32.58 1.01 0.00	28.61 0.70 0.00	27.34 0.54 0.00	25.60 0.38 0.00	25.97 0.46 0.00	28.38 0.50 0.00	37.76 0.74 0.01	39.49 1.04 0.01	34.06 1.12 0.00	28.00 0.92 0.00	27.76 1.40 0.00	27.56 1.36 0.00	28.86 1.53 0.00	31.47 1.82 -0.22	34.14 2.16 -0.28	38.42 2.48 -0.48	45.76 1.97 0.00	65.28 1.97 0.01	75.28 1.98 0.01	71.55 1.47 0.01	50.47 1.09 0.00	44.12 1.70 0.00	39.09 2.00 0.00	35.37 1.52 0.00
FRESHKLS_33_KV_LOAD 356253	33.06 1.48 -0.01	29.09 1.17 -0.01	27.88 1.07 -0.01	26.21 0.98 -0.01	26.51 0.99 -0.01	29.13 1.25 0.00	38.25 1.22 0.00	39.92 1.46 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.52 1.88 -0.22	34.16 2.19 -0.26	38.30 2.38 -0.47	45.50 1.71 0.00	65.54 2.22 0.00	75.58 2.27 0.00	71.83 1.75 0.00	50.57 1.19 0.00	43.99 1.57 0.00	39.03 1.93 -0.01	35.62 1.76 -0.01
FULTON COGEN____ 23766	31.35 -0.22 0.00	27.69 -0.22 0.00	26.59 -0.21 0.00	24.99 -0.23 0.00	25.26 -0.26 0.00	27.52 -0.36 0.00	36.48 -0.56 0.00	37.88 -0.58 0.00	32.48 -0.46 0.00	26.73 -0.35 0.00	26.00 -0.37 0.00	25.83 -0.37 0.00	26.94 -0.38 0.00	29.04 -0.38 0.00	31.26 -0.44 0.00	34.93 -0.53 0.00	43.18 -0.61 0.00	62.43 -0.89 0.00	72.43 -0.88 0.00	69.31 -0.77 0.00	48.89 -0.49 0.00	41.87 -0.55 0.00	36.61 -0.48 0.00	33.48 -0.37 0.00
FULTON___LFGE 323630	33.53 1.96 0.00	29.59 1.67 0.00	28.49 1.69 0.00	26.81 1.59 0.00	27.07 1.56 0.00	29.61 1.73 0.00	39.44 2.41 0.00	40.65 2.19 0.00	34.02 1.09 0.00	27.29 0.22 0.00	26.18 -0.18 0.00	25.83 -0.37 0.00	26.89 -0.44 0.00	28.89 -0.44 0.09	31.31 -0.29 0.11	35.52 0.25 0.19	45.10 1.31 0.00	66.80 3.48 0.00	78.73 5.42 0.00	75.34 5.26 0.00	52.84 3.46 0.00	45.22 2.80 0.00	39.65 2.56 0.00	35.95 2.10 0.00
G.F.CEMENT___DRP 24184	32.58 1.01 0.00	28.75 0.84 0.00	27.71 0.91 0.00	26.07 0.86 0.00	26.30 0.79 0.00	28.80 0.92 0.00	38.33 1.30 0.00	39.73 1.27 0.00	33.73 0.79 0.00	27.49 0.41 0.00	26.55 0.18 0.00	26.22 0.03 0.00	27.33 0.00 0.00	29.33 0.06 0.15	31.78 0.25 0.18	35.60 0.46 0.32	44.88 1.09 0.00	65.28 1.96 0.00	75.95 2.64 0.00	72.53 2.45 0.00	51.02 1.63 0.00	43.78 1.36 0.00	38.39 1.30 0.00	34.80 0.95 0.00
GARDENVILLE___LBMP 24039	31.60 0.03 0.00	27.77 -0.14 0.00	26.64 -0.16 0.00	25.12 -0.10 0.00	25.26 -0.26 0.00	27.15 -0.72 0.00	35.36 -1.67 0.00	36.04 -2.42 0.00	31.49 -1.45 0.00	26.46 -0.62 0.00	25.95 -0.42 0.00	25.83 -0.37 0.00	27.08 -0.25 0.00	29.22 -0.21 0.00	31.07 -0.63 0.00	34.57 -0.89 0.00	42.74 -1.05 0.00	60.53 -2.79 0.00	70.52 -2.79 0.00	67.20 -2.87 0.00	47.56 -1.83 0.00	40.01 -2.42 0.00	35.53 -1.56 0.00	33.27 -0.58 0.00
GARDNVLA_35_KV_LD 355827	31.76 0.19 0.00	27.91 0.00 0.00	26.77 -0.03 0.00	25.24 0.03 0.00	25.38 -0.13 0.00	27.27 -0.61 0.00	35.55 -1.48 0.00	36.23 -2.23 0.00	31.68 -1.25 0.00	26.65 -0.43 0.00	26.13 -0.24 0.00	26.04 -0.16 0.00	27.30 -0.03 0.00	29.45 0.03 0.00	31.33 -0.38 0.00	34.86 -0.60 0.00	43.09 -0.70 0.00	60.98 -2.34 0.00	70.96 -2.35 0.00	67.63 -2.45 0.00	47.85 -1.53 0.00	40.26 -2.16 0.00	35.76 -1.34 0.00	33.41 -0.44 0.00
GELCKHM___115KV_LOAD 80723	31.47 -0.09 0.00	27.83 -0.08 0.00	26.72 -0.08 0.00	25.12 -0.10 0.00	25.38 -0.13 0.00	27.66 -0.22 0.00	36.66 -0.37 0.00	38.04 -0.42 0.00	32.64 -0.30 0.00	26.86 -0.22 0.00	26.13 -0.24 0.00	25.96 -0.24 0.00	27.11 -0.22 0.00	29.22 -0.21 0.00	31.42 -0.29 0.00	35.14 -0.32 0.00	43.44 -0.35 0.00	62.69 -0.63 0.00	72.72 -0.59 0.00	69.59 -0.49 0.00	49.09 -0.30 0.00	42.04 -0.38 0.00	36.76 -0.33 0.00	33.61 -0.24 0.00
GENERAL___MILLS 23808	31.66 0.09 0.00	27.83 -0.08 0.00	26.69 -0.11 0.00	25.17 -0.05 0.00	25.31 -0.20 0.00	27.18 -0.70 0.00	35.44 -1.59 0.00	36.08 -2.38 0.00	31.59 -1.35 0.00	26.56 -0.51 0.00	26.05 -0.32 0.00	25.96 -0.24 0.00	27.19 -0.14 0.00	29.33 -0.09 0.00	31.20 -0.51 0.00	34.71 -0.74 0.00	42.91 -0.88 0.00	60.72 -2.60 0.00	70.59 -2.71 0.00	67.34 -2.73 0.00	47.66 -1.73 0.00	40.09 -2.33 0.00	35.61 -1.48 0.00	33.31 -0.54 0.00
GE_PLASTICS___DRP 24183	31.82 0.25 0.00	28.13 0.22 0.00	27.01 0.21 0.00	25.42 0.20 0.00	25.71 0.20 0.00	28.16 0.28 0.00	37.44 0.41 0.00	38.96 0.50 0.00	33.23 0.30 0.00	27.27 0.19 0.00	26.55 0.18 0.00	26.33 0.13 0.00	27.46 0.14 0.00	29.51 0.18 0.09	31.92 0.32 0.11	35.27 0.00 0.19	43.57 -0.22 0.00	62.75 -0.57 0.00	67.52 -0.88 4.91	67.52 -0.98 1.58	48.89 -0.49 0.00	42.21 -0.21 0.00	36.91 -0.19 0.00	33.65 -0.20 0.00
GILBOA___1 23756	32.04 0.47 0.00	28.33 0.42 0.00	27.17 0.38 0.00	25.54 0.33 0.00	25.84 0.33 0.00	28.30 0.42 0.00	37.62 0.59 0.00	39.19 0.73 0.00	33.50 0.56 0.00	27.54 0.46 0.00	26.84 0.48 0.00	26.64 0.44 0.00	27.79 0.46 0.00	30.01 0.53 -0.06	32.38 0.60 -0.07	36.29 0.71 -0.12	44.49 0.70 0.00	64.14 0.82 0.00	73.68 0.37 0.00	70.22 0.14 0.00	49.73 0.35 0.00	43.02 0.59 0.00	37.68 0.59 0.00	34.36 0.51 0.00
GILBOA___2 23757	32.04 0.47 0.00	28.33 0.42 0.00	27.17 0.38 0.00	25.54 0.33 0.00	25.84 0.33 0.00	28.30 0.42 0.00	37.62 0.59 0.00	39.19 0.73 0.00	33.50 0.56 0.00	27.54 0.46 0.00	26.84 0.48 0.00	26.64 0.44 0.00	27.79 0.46 0.00	30.01 0.53 -0.06	32.38 0.60 -0.07	36.29 0.71 -0.12	44.49 0.70 0.00	64.14 0.82 0.00	73.68 0.37 0.00	70.22 0.14 0.00	49.73 0.35 0.00	43.02 0.59 0.00	37.68 0.59 0.00	34.36 0.51 0.00
GILBOA___3 23758	32.04 0.47 0.00	28.33 0.42 0.00	27.17 0.38 0.00	25.54 0.33 0.00	25.84 0.33 0.00	28.30 0.42 0.00	37.62 0.59 0.00	39.19 0.73 0.00	33.50 0.56 0.00	27.54 0.46 0.00	26.84 0.48 0.00	26.64 0.44 0.00	27.79 0.46 0.00	30.01 0.53 -0.06	32.38 0.60 -0.07	36.29 0.71 -0.12	44.49 0.70 0.00	64.14 0.82 0.00	73.68 0.37 0.00	70.22 0.14 0.00	49.73 0.35 0.00	43.02 0.59 0.00	37.68 0.59 0.00	34.36 0.51 0.00
GILBOA___4 23759	32.04 0.47 0.00	28.33 0.42 0.00	27.17 0.38 0.00	25.54 0.33 0.00	25.84 0.33 0.00	28.30 0.42 0.00	37.62 0.59 0.00	39.19 0.73 0.00	33.50 0.56 0.00	27.54 0.46 0.00	26.84 0.48 0.00	26.64 0.44 0.00	27.79 0.46 0.00	30.01 0.53 -0.06	32.38 0.60 -0.07	36.29 0.71 -0.12	44.49 0.70 0.00	64.14 0.82 0.00	73.68 0.37 0.00	70.22 0.14 0.00	49.73 0.35 0.00	43.02 0.59 0.00	37.68 0.59 0.00	34.36 0.51 0.00



GILBOA____ 23599	32.04 0.47 0.00	28.33 0.42 0.00	27.17 0.38 0.00	25.57 0.35 0.00	25.87 0.36 0.00	28.33 0.45 0.00	37.62 0.59 0.00	39.19 0.73 0.00	33.50 0.56 0.00	27.54 0.46 0.00	26.84 0.47 0.00	26.64 0.45 0.00	27.79 0.46 0.00	30.01 0.53 -0.06	32.41 0.63 -0.07	36.29 0.71 -0.12	44.49 0.70 0.00	64.14 0.82 0.00	73.67 0.37 0.00	70.22 0.14 0.00	49.73 0.35 0.00	43.02 0.59 0.00	37.65 0.56 0.00	34.36 0.51 0.00
GINNA____ 23603	30.15 -1.42 0.00	26.60 -1.31 0.00	25.54 -1.26 0.00	24.13 -1.08 0.00	24.26 -1.25 0.00	26.35 -1.53 0.00	34.73 -2.30 0.00	35.84 -2.62 0.00	30.93 -2.01 0.00	25.67 -1.41 0.00	25.08 -1.29 0.00	24.91 -1.28 0.00	26.10 -1.23 0.00	28.07 -1.35 0.00	30.12 -1.58 0.00	33.61 -1.85 0.00	41.64 -2.14 0.00	59.84 -3.48 0.00	69.64 -3.66 0.00	66.58 -3.50 0.00	47.02 -2.37 0.00	39.92 -2.50 0.00	35.02 -2.08 0.00	32.26 -1.59 0.00
GLEN PARK____ 23778	32.33 0.76 0.00	28.66 0.75 0.00	27.60 0.80 0.00	25.90 0.68 0.00	26.30 0.79 0.00	28.85 0.98 0.00	38.25 1.22 0.00	39.69 1.23 0.00	33.76 0.82 0.00	27.35 0.27 0.00	26.50 0.13 0.00	26.35 0.16 0.00	27.46 0.14 0.00	29.48 0.06 0.00	31.61 -0.09 0.00	35.60 0.14 0.00	44.40 0.61 0.00	65.16 1.84 0.00	76.61 3.30 0.00	73.79 3.71 0.00	51.56 2.17 0.00	43.99 1.57 0.00	38.24 1.15 0.00	34.80 0.95 0.00
GLENDALE_27_KV_LOAD 356172	33.06 1.48 -0.01	29.23 1.31 -0.01	28.01 1.21 -0.01	26.31 1.08 -0.01	26.62 1.10 -0.01	29.16 1.28 0.00	38.62 1.59 0.00	40.34 1.88 0.00	34.81 1.88 0.00	28.65 1.57 0.00	28.08 1.71 0.00	27.90 1.70 0.00	29.16 1.83 0.00	31.67 2.03 -0.22	34.29 2.31 -0.26	38.58 2.66 -0.47	46.24 2.45 0.00	66.23 2.91 0.00	76.39 3.08 0.00	72.60 2.52 0.00	51.11 1.73 0.00	44.54 2.12 0.00	39.29 2.19 -0.01	35.85 2.00 -0.01
GLENWOOD_IC_1_G5 23712	32.64 1.07 0.00	28.78 0.87 0.00	27.52 0.72 0.00	25.87 0.66 0.00	26.17 0.66 0.00	28.69 0.81 0.00	38.10 1.07 0.00	39.84 1.38 0.00	34.29 1.35 0.00	28.24 1.16 0.00	27.82 1.45 0.00	27.64 1.44 0.00	28.91 1.58 0.00	31.44 1.79 -0.22	34.11 2.12 -0.28	38.39 2.45 -0.48	45.63 1.84 0.00	65.28 1.96 0.00	75.28 1.98 0.00	71.55 1.47 0.00	50.42 1.04 0.00	44.29 1.87 0.00	39.02 1.93 0.00	35.47 1.62 0.00
GLENWOOD_IC_2_G1 23688	32.58 1.01 0.00	28.75 0.84 0.00	27.52 0.72 0.00	25.80 0.58 0.00	26.17 0.66 0.00	28.63 0.75 0.00	38.11 1.07 0.00	39.84 1.38 0.00	34.29 1.35 0.00	28.19 1.11 0.00	27.74 1.37 0.00	27.53 1.34 0.00	28.80 1.47 0.00	31.29 1.65 -0.22	33.94 1.97 -0.26	38.20 2.27 -0.47	45.76 1.97 0.00	65.54 2.22 0.00	75.58 2.28 0.00	71.83 1.75 0.00	50.62 1.24 0.00	44.12 1.70 0.00	38.91 1.82 0.00	35.34 1.49 0.00
GLENWOOD_IC_3_G1 23689	32.58 1.01 0.00	28.75 0.84 0.00	27.52 0.72 0.00	25.80 0.58 0.00	26.17 0.66 0.00	28.63 0.75 0.00	38.11 1.07 0.00	39.84 1.38 0.00	34.29 1.35 0.00	28.19 1.11 0.00	27.74 1.37 0.00	27.53 1.34 0.00	28.80 1.47 0.00	31.29 1.65 -0.22	33.94 1.97 -0.26	38.20 2.27 -0.47	45.76 1.97 0.00	65.54 2.22 0.00	75.58 2.28 0.00	71.83 1.75 0.00	50.62 1.24 0.00	44.12 1.70 0.00	38.91 1.82 0.00	35.34 1.49 0.00
GLENWOOD____4 23550	32.64 1.07 0.00	28.78 0.87 0.00	27.52 0.72 0.00	25.87 0.66 0.00	26.17 0.66 0.00	28.69 0.81 0.00	38.10 1.07 0.00	39.84 1.38 0.00	34.29 1.35 0.00	28.24 1.16 0.00	27.82 1.45 0.00	27.64 1.44 0.00	28.91 1.58 0.00	31.44 1.79 -0.22	34.11 2.12 -0.28	38.39 2.45 -0.48	45.76 1.97 0.00	65.41 2.09 0.00	75.50 2.20 0.00	71.76 1.68 0.00	50.57 1.19 0.00	44.29 1.87 0.00	39.02 1.93 0.00	35.47 1.62 0.00
GLENWOOD____5 23614	32.64 1.07 0.00	28.78 0.87 0.00	27.52 0.72 0.00	25.87 0.66 0.00	26.17 0.66 0.00	28.69 0.81 0.00	38.10 1.07 0.00	39.84 1.38 0.00	34.29 1.35 0.00	28.24 1.16 0.00	27.82 1.45 0.00	27.64 1.44 0.00	28.91 1.58 0.00	31.44 1.79 -0.22	34.11 2.12 -0.28	38.39 2.45 -0.48	45.76 1.97 0.00	65.41 2.09 0.00	75.50 2.20 0.00	71.76 1.68 0.00	50.57 1.19 0.00	44.29 1.87 0.00	39.02 1.93 0.00	35.47 1.62 0.00
GLOBAL GREEN_PORT_GT1 23814	32.04 0.47 0.00	28.02 0.11 0.00	26.65 -0.03 0.12	25.09 -0.13 0.00	25.48 -0.03 0.00	27.81 0.06 0.12	37.17 0.15 0.01	39.11 0.65 0.01	33.89 0.96 0.00	27.89 0.81 0.00	27.87 1.50 0.00	27.61 1.41 0.00	28.97 1.64 0.00	31.58 1.94 -0.22	34.49 2.50 -0.27	38.91 2.98 -0.47	45.85 2.06 0.00	64.83 1.52 0.01	74.99 1.69 0.01	71.47 1.40 0.01	50.47 1.09 0.00	44.38 1.95 0.00	39.39 2.30 0.00	35.68 1.83 0.00
GLOBE____DSASP 323697	30.75 -0.82 0.00	27.63 -0.28 0.00	26.50 -0.29 0.00	25.02 -0.20 0.00	25.13 -0.38 0.00	26.32 -1.56 0.00	34.29 -2.74 0.00	34.73 -3.73 0.00	30.53 -2.40 0.00	25.73 -1.35 0.00	25.26 -1.11 0.00	25.15 -1.05 0.00	26.37 -0.96 0.00	28.42 -1.00 0.00	30.19 -1.52 0.00	33.47 -1.99 0.00	41.16 -2.63 0.00	58.19 -5.13 0.00	67.44 -5.86 0.00	64.40 -5.68 0.00	45.78 -3.61 0.00	38.56 -3.86 0.00	34.39 -2.71 0.00	32.19 -1.66 0.00
GOETHSLN____LBMP 323567	32.61 1.04 0.00	28.86 0.95 0.00	27.63 0.83 0.00	25.97 0.76 0.00	26.25 0.74 0.00	28.80 0.92 0.00	38.24 1.22 0.01	40.00 1.54 0.00	34.45 1.52 0.00	28.38 1.30 0.00	27.77 1.40 0.00	27.58 1.39 0.00	28.80 1.48 0.00	31.29 1.65 -0.22	33.88 1.90 -0.26	38.12 2.20 -0.47	45.80 2.01 0.00	65.66 2.34 0.00	75.73 2.42 0.00	71.90 1.82 0.00	50.62 1.23 0.00	44.07 1.65 0.01	38.76 1.67 0.00	35.41 1.56 0.00
GOLAH____69_KV_TB 1_2 80279	31.79 0.22 0.00	27.99 0.08 0.00	26.88 0.08 0.00	25.34 0.13 0.00	25.51 0.00 0.00	27.60 -0.28 0.00	36.25 -0.78 0.00	37.19 -1.27 0.00	32.21 -0.72 0.00	26.84 -0.24 0.00	26.21 -0.16 0.00	26.04 -0.16 0.00	27.27 -0.05 0.00	29.36 -0.06 0.00	31.39 -0.32 0.00	35.00 -0.46 0.00	43.31 -0.48 0.00	62.05 -1.27 0.00	72.21 -1.10 0.00	69.03 -1.05 0.00	48.79 -0.59 0.00	41.32 -1.10 0.00	36.46 -0.63 0.00	33.78 -0.07 0.00
GOODYEAR_LAKE_HYD 323669	32.55 0.98 0.00	28.80 0.89 0.00	27.66 0.86 0.00	26.00 0.78 0.00	26.33 0.82 0.00	28.80 0.92 0.00	38.22 1.18 0.00	39.69 1.23 0.00	33.86 0.92 0.00	27.67 0.60 0.00	26.90 0.53 0.00	26.72 0.52 0.00	27.87 0.55 0.00	29.95 0.53 0.00	32.34 0.63 0.00	36.42 0.96 0.00	45.10 1.31 0.00	65.54 2.22 0.00	76.17 2.86 0.00	72.74 2.66 0.00	51.16 1.78 0.00	43.95 1.53 0.00	38.47 1.37 0.00	35.07 1.22 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	31.79 0.22 0.00	28.11 0.20 0.00	26.96 0.16 0.00	25.37 0.15 0.00	25.61 0.10 0.00	27.94 0.06 0.00	36.92 -0.11 0.00	38.31 -0.15 0.00	32.90 -0.03 0.00	27.16 0.08 0.00	26.45 0.08 0.00	26.27 0.08 0.00	27.44 0.11 0.00	29.61 0.15 -0.03	31.81 0.06 -0.04	35.68 0.14 -0.07	44.05 0.26 0.00	63.38 0.06 0.00	73.53 0.22 0.00	70.15 0.07 0.00	49.44 0.05 0.00	42.30 -0.13 0.00	37.09 0.00 0.00	34.05 0.20 0.00



GOUDEY___7 23579	31.79 0.22 0.00	28.11 0.20 0.00	26.96 0.16 0.00	25.37 0.15 0.00	25.61 0.10 0.00	27.94 0.06 0.00	36.92 -0.11 0.00	38.31 -0.15 0.00	32.90 -0.03 0.00	27.16 0.08 0.00	26.45 0.08 0.00	26.27 0.08 0.00	27.44 0.11 0.00	29.61 0.15 -0.03	31.81 0.06 -0.04	35.68 0.14 -0.07	44.05 0.26 0.00	63.38 0.06 0.00	73.53 0.22 0.00	70.15 0.07 0.00	49.44 0.05 0.00	42.30 -0.13 0.00	37.09 0.00 0.00	34.05 0.20 0.00
GOUDEY___8 23580	31.79 0.22 0.00	28.11 0.20 0.00	26.96 0.16 0.00	25.37 0.15 0.00	25.61 0.10 0.00	27.94 0.06 0.00	36.92 -0.11 0.00	38.31 -0.15 0.00	32.90 -0.03 0.00	27.16 0.08 0.00	26.45 0.08 0.00	26.27 0.08 0.00	27.44 0.11 0.00	29.61 0.15 -0.03	31.81 0.06 -0.04	35.68 0.14 -0.07	44.05 0.26 0.00	63.38 0.06 0.00	73.53 0.22 0.00	70.15 0.07 0.00	49.44 0.05 0.00	42.30 -0.13 0.00	37.09 0.00 0.00	34.05 0.20 0.00
GOWANUS_GT1_1 24077	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01
GOWANUS_GT1_2 24078	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01
GOWANUS_GT1_3 24079	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01
GOWANUS_GT1_4 24080	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01
GOWANUS_GT1_5 24084	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01
GOWANUS_GT1_6 24111	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01
GOWANUS_GT1_7 24112	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01
GOWANUS_GT1_8 24113	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01
GOWANUS_GT2_1 24114	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
GOWANUS_GT2_2 24115	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
GOWANUS_GT2_3 24116	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
GOWANUS_GT2_4 24117	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
GOWANUS_GT2_5 24118	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01



GOWANUS_GT2_6 24119	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
GOWANUS_GT2_7 24120	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
GOWANUS_GT2_8 24121	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
GOWANUS_GT3_1 24122	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
GOWANUS_GT3_2 24123	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
GOWANUS_GT3_3 24124	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
GOWANUS_GT3_4 24125	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
GOWANUS_GT3_5 24126	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
GOWANUS_GT3_6 24127	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
GOWANUS_GT3_7 24128	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
GOWANUS_GT3_8 24129	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
GOWANUS_GT4_1 24130	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01
GOWANUS_GT4_2 24131	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01
GOWANUS_GT4_3 24132	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01
GOWANUS_GT4_4 24133	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01



GOWANUS_GT4_5 24134	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01
GOWANUS_GT4_6 24135	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01
GOWANUS_GT4_7 24136	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01
GOWANUS_GT4_8 24137	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01
GREATVRV_69_KV_BK1 356245	32.89 1.33 0.00	28.80 0.89 0.00	27.52 0.78 0.06	25.85 0.63 0.00	26.15 0.64 0.00	28.66 0.84 0.06	38.06 1.04 0.01	39.80 1.35 0.01	34.32 1.38 0.00	28.22 1.14 0.00	28.03 1.66 0.00	27.79 1.60 0.00	29.16 1.83 0.00	31.85 2.21 -0.22	34.71 2.73 -0.27	39.16 3.23 -0.47	46.46 2.67 0.00	65.84 2.53 0.01	76.16 2.86 0.01	72.38 2.31 0.01	51.02 1.63 0.00	44.84 2.42 0.00	39.76 2.67 0.00	35.95 2.10 0.00
GREENBSH_115KV_TB3 55895	31.73 0.16 0.00	28.05 0.14 0.00	26.96 0.16 0.00	25.37 0.15 0.00	25.64 0.13 0.00	28.07 0.20 0.00	37.36 0.33 0.00	38.92 0.46 0.00	33.13 0.20 0.00	27.19 0.11 0.00	26.45 0.08 0.00	26.22 0.03 0.00	27.35 0.03 0.00	29.38 0.09 0.13	31.77 0.22 0.16	35.29 0.11 0.27	43.75 -0.04 0.00	63.13 -0.19 0.00	72.78 -0.44 0.08	69.49 -0.56 0.03	49.14 -0.25 0.00	42.38 -0.04 0.00	37.09 0.00 0.00	33.78 -0.07 0.00
GREENDGE_115KV_TB5 80291	31.95 0.38 0.00	28.19 0.28 0.00	27.04 0.24 0.00	25.44 0.23 0.00	25.66 0.15 0.00	27.91 0.03 0.00	36.88 -0.15 0.00	37.84 -0.62 0.00	32.80 -0.13 0.00	27.08 0.00 0.00	26.34 -0.03 0.00	26.17 -0.03 0.00	27.35 0.03 0.00	29.48 0.06 0.00	31.61 -0.10 0.00	35.46 0.00 0.00	43.79 0.00 0.00	63.19 -0.13 0.00	73.75 0.44 0.00	70.43 0.35 0.00	49.58 0.20 0.00	42.04 -0.38 0.00	37.09 0.00 0.00	34.15 0.30 0.00
GREENIDGE___3 23582	31.95 0.38 0.00	28.19 0.28 0.00	27.04 0.24 0.00	25.44 0.23 0.00	25.66 0.15 0.00	27.91 0.03 0.00	36.88 -0.15 0.00	37.84 -0.62 0.00	32.80 -0.13 0.00	27.08 0.00 0.00	26.34 -0.03 0.00	26.17 -0.03 0.00	27.35 0.03 0.00	29.48 0.06 0.00	31.61 -0.10 0.00	35.46 0.00 0.00	43.79 0.00 0.00	63.19 -0.13 0.00	73.75 0.44 0.00	70.43 0.35 0.00	49.58 0.20 0.00	42.04 -0.38 0.00	37.09 0.00 0.00	34.15 0.30 0.00
GREENIDGE___4 23583	31.95 0.38 0.00	28.22 0.31 0.00	27.09 0.30 0.00	25.52 0.30 0.00	25.71 0.20 0.00	27.96 0.08 0.00	36.88 -0.15 0.00	37.88 -0.58 0.00	32.81 -0.13 0.00	27.11 0.03 0.00	26.34 -0.03 0.00	26.17 -0.03 0.00	27.35 0.03 0.00	29.51 0.09 0.00	31.71 0.00 0.00	35.46 0.00 0.00	43.79 0.00 0.00	63.13 -0.19 0.00	73.75 0.44 0.00	70.43 0.35 0.00	49.58 0.20 0.00	42.04 -0.38 0.00	36.83 -0.26 0.00	34.19 0.34 0.00
GREENLWN_69_KV_BK 3 55738	32.07 0.51 0.00	28.16 0.25 0.00	26.95 0.13 -0.02	25.29 0.08 0.00	25.59 0.08 0.00	28.01 0.11 -0.02	37.25 0.22 0.01	38.95 0.50 0.01	33.63 0.69 0.00	27.65 0.57 0.00	27.40 1.03 0.00	27.22 1.02 0.00	28.50 1.18 0.00	31.08 1.44 -0.22	33.79 1.81 -0.27	38.03 2.09 -0.47	44.80 1.01 0.00	63.75 0.44 0.01	73.59 0.29 0.01	69.93 -0.14 0.01	49.29 -0.10 0.00	43.31 0.89 0.00	38.61 1.52 0.00	34.97 1.12 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01
GRISSOM___SOLAR 323813	33.37 1.80 0.00	29.44 1.53 0.00	28.35 1.55 0.00	26.65 1.44 0.00	26.91 1.40 0.00	29.44 1.56 0.00	39.25 2.22 0.00	40.46 2.00 0.00	33.92 0.99 0.00	27.24 0.16 0.00	26.13 -0.24 0.00	25.75 -0.45 0.00	26.81 -0.52 0.00	28.80 -0.53 0.09	31.22 -0.38 0.11	35.40 0.14 0.20	44.97 1.18 0.00	66.48 3.16 0.00	78.22 4.91 0.00	74.77 4.70 0.00	52.50 3.11 0.00	44.97 2.55 0.00	39.43 2.34 0.00	35.74 1.89 0.00
GROVEVILLE___HYD 323602	32.61 1.04 0.00	28.86 0.95 0.00	27.68 0.88 0.00	26.00 0.78 0.00	26.30 0.79 0.00	28.83 0.95 0.00	38.36 1.33 0.00	40.04 1.58 0.00	34.25 1.32 0.00	28.16 1.08 0.00	27.45 1.08 0.00	27.24 1.05 0.00	28.45 1.12 0.00	30.84 1.21 -0.21	33.45 1.49 -0.25	37.75 1.84 -0.45	45.76 1.97 0.00	65.92 2.60 0.00	76.09 2.79 0.00	72.39 2.31 0.00	51.02 1.63 0.00	44.25 1.82 0.00	38.69 1.59 0.00	35.24 1.39 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	31.63 0.06 0.00	27.97 0.06 0.00	26.83 0.03 0.00	25.22 0.00 0.00	25.51 0.00 0.00	27.80 -0.08 0.00	36.85 -0.19 0.00	38.23 -0.23 0.00	32.77 -0.16 0.00	26.97 -0.11 0.00	26.24 -0.13 0.00	26.06 -0.13 0.00	27.22 -0.11 0.00	29.36 -0.06 0.00	31.58 -0.13 0.00	35.32 -0.14 0.00	43.66 -0.13 0.00	63.13 -0.19 0.00	73.23 -0.07 0.00	70.08 0.00 0.00	49.44 0.05 0.00	42.30 -0.13 0.00	36.98 -0.11 0.00	33.82 -0.03 0.00
HAMLTNNY_34_KV_TB 80303	31.66 0.09 0.00	27.99 0.08 0.00	26.85 0.05 0.00	25.24 0.03 0.00	25.51 0.00 0.00	27.80 -0.08 0.00	36.81 -0.22 0.00	38.19 -0.27 0.00	32.77 -0.16 0.00	27.00 -0.08 0.00	26.26 -0.11 0.00	26.09 -0.10 0.00	27.25 -0.08 0.00	29.36 -0.06 0.00	31.58 -0.13 0.00	35.35 -0.11 0.00	43.75 -0.04 0.00	63.13 -0.19 0.00	73.31 0.00 0.00	70.15 0.07 0.00	49.48 0.10 0.00	42.30 -0.13 0.00	36.98 -0.11 0.00	33.85 0.00 0.00



HAMPSHIRE___PAPER_HYD 323593	31.76 0.19 0.00	28.16 0.25 0.00	27.09 0.30 0.00	25.47 0.25 0.00	25.84 0.33 0.00	28.41 0.53 0.00	37.81 0.78 0.00	39.19 0.73 0.00	33.46 0.53 0.00	27.29 0.22 0.00	26.50 0.13 0.00	26.40 0.21 0.00	27.49 0.16 0.00	29.51 0.09 0.00	31.61 -0.09 0.00	35.46 0.00 0.00	44.10 0.31 0.00	64.52 1.20 0.00	75.36 2.05 0.00	72.25 2.17 0.00	50.57 1.18 0.00	43.32 0.89 0.00	37.68 0.59 0.00	34.32 0.47 0.00
HARDSCRABBLE_WT_PWR 323673	31.47 -0.09 0.00	27.83 -0.08 0.00	26.75 -0.05 0.00	25.14 -0.08 0.00	25.46 -0.05 0.00	27.85 -0.03 0.00	36.99 -0.04 0.00	38.46 0.00 0.00	32.87 -0.07 0.00	26.94 -0.13 0.00	26.24 -0.13 0.00	26.06 -0.13 0.00	27.16 -0.16 0.00	29.25 -0.18 0.00	31.52 -0.19 0.00	35.32 -0.14 0.00	43.66 -0.13 0.00	63.19 -0.13 0.00	73.23 -0.07 0.00	70.08 0.00 0.00	49.34 -0.05 0.00	42.42 0.00 0.00	37.09 0.00 0.00	33.82 -0.03 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	32.48 0.92 0.00	28.72 0.81 0.00	27.55 0.75 0.00	25.90 0.68 0.00	26.20 0.69 0.00	28.74 0.86 0.00	38.18 1.15 0.00	39.88 1.42 0.00	34.19 1.25 0.00	28.11 1.03 0.00	27.45 1.08 0.00	27.24 1.05 0.00	28.45 1.12 0.00	30.83 1.21 -0.20	33.41 1.46 -0.24	37.70 1.81 -0.43	45.67 1.88 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.77 1.38 0.00	44.04 1.61 0.00	38.58 1.48 0.00	35.17 1.32 0.00
HARSNRAD_115KV_TB1 81005	31.60 0.03 0.00	27.60 -0.31 0.00	26.48 -0.32 0.00	24.99 -0.23 0.00	25.10 -0.41 0.00	27.02 -0.86 0.00	34.96 -2.07 0.00	35.54 -2.92 0.00	31.12 -1.81 0.00	26.21 -0.87 0.00	25.71 -0.66 0.00	25.59 -0.60 0.00	26.84 -0.49 0.00	28.95 -0.47 0.00	30.73 -0.98 0.00	34.15 -1.31 0.00	42.12 -1.66 0.00	59.65 -3.67 0.00	69.28 -4.03 0.00	66.15 -3.92 0.00	46.92 -2.47 0.00	39.50 -2.93 0.00	35.16 -1.93 0.00	33.14 -0.71 0.00
HARZA MOOSE___RIVER 24016	31.92 0.35 0.00	28.27 0.36 0.00	27.20 0.40 0.00	25.57 0.35 0.00	25.94 0.43 0.00	28.49 0.61 0.00	37.85 0.81 0.00	39.31 0.85 0.00	33.53 0.59 0.00	27.32 0.24 0.00	26.53 0.16 0.00	26.38 0.18 0.00	27.49 0.16 0.00	29.54 0.12 0.00	31.68 -0.03 0.00	35.53 0.07 0.00	44.10 0.31 0.00	64.21 0.89 0.00	74.92 1.61 0.00	71.83 1.75 0.00	50.32 0.94 0.00	43.10 0.68 0.00	37.61 0.52 0.00	34.29 0.44 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	31.51 -0.06 0.00	27.83 -0.08 0.00	26.72 -0.08 0.00	25.12 -0.10 0.00	25.38 -0.13 0.00	27.66 -0.22 0.00	36.66 -0.37 0.00	38.04 -0.42 0.00	32.64 -0.30 0.00	26.86 -0.22 0.00	26.16 -0.21 0.00	25.96 -0.24 0.00	27.11 -0.22 0.00	29.25 -0.18 0.00	31.46 -0.25 0.00	35.14 -0.32 0.00	43.39 -0.39 0.00	62.62 -0.70 0.00	72.65 -0.66 0.00	69.52 -0.56 0.00	49.04 -0.35 0.00	41.96 -0.47 0.00	36.72 -0.37 0.00	33.58 -0.27 0.00
HELLGATE_13_KV_LD 55870	33.12 1.55 -0.01	29.29 1.37 -0.01	28.04 1.23 -0.01	26.36 1.13 -0.01	26.67 1.15 -0.01	29.22 1.34 0.00	38.66 1.63 0.00	40.34 1.88 0.00	34.81 1.88 0.00	28.68 1.60 0.00	28.08 1.71 0.00	27.92 1.73 0.00	29.19 1.86 0.00	31.70 2.06 -0.22	34.32 2.35 -0.26	38.58 2.66 -0.47	46.24 2.45 0.00	66.23 2.91 0.00	76.39 3.08 0.00	72.60 2.52 0.00	51.11 1.73 0.00	44.54 2.12 0.00	39.33 2.23 -0.01	35.89 2.03 -0.01
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	33.12 1.55 -0.01	29.29 1.37 -0.01	28.04 1.23 -0.01	26.36 1.13 -0.01	26.67 1.15 -0.01	29.22 1.34 0.00	38.66 1.63 0.00	40.34 1.88 0.00	34.81 1.88 0.00	28.68 1.60 0.00	28.08 1.71 0.00	27.92 1.73 0.00	29.19 1.86 0.00	31.70 2.06 -0.22	34.32 2.35 -0.26	38.58 2.66 -0.47	46.24 2.45 0.00	66.23 2.91 0.00	76.39 3.08 0.00	72.60 2.52 0.00	51.11 1.73 0.00	44.54 2.12 0.00	39.33 2.23 -0.01	35.89 2.03 -0.01
HEMPSTEAD___ 23647	32.42 0.85 0.00	28.50 0.59 0.00	27.25 0.46 0.00	25.52 0.30 0.00	25.89 0.38 0.00	28.30 0.42 0.00	37.65 0.63 0.01	39.38 0.92 0.01	33.96 1.02 0.00	27.92 0.84 0.00	27.63 1.27 0.00	27.43 1.23 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	33.95 1.97 -0.28	38.21 2.27 -0.48	45.45 1.66 0.00	64.90 1.58 0.01	74.84 1.54 0.01	71.19 1.12 0.01	50.17 0.79 0.00	43.91 1.48 0.00	38.84 1.74 0.00	35.20 1.36 0.00
HICKLING___1 23621	31.85 0.28 0.00	28.11 0.20 0.00	26.96 0.16 0.00	25.37 0.15 0.00	25.61 0.10 0.00	27.82 -0.06 0.00	36.66 -0.37 0.00	37.84 -0.62 0.00	32.64 -0.30 0.00	27.05 -0.03 0.00	26.34 -0.03 0.00	26.17 -0.03 0.00	27.35 0.03 0.00	29.54 0.09 -0.03	31.62 -0.13 -0.03	35.45 -0.07 -0.06	43.92 0.13 0.00	63.07 -0.25 0.00	73.60 0.29 0.00	70.15 0.07 0.00	49.39 0.00 0.00	41.91 -0.51 0.00	36.87 -0.22 0.00	34.02 0.17 0.00
HICKLING___2 23622	31.85 0.28 0.00	28.11 0.20 0.00	26.96 0.16 0.00	25.37 0.15 0.00	25.61 0.10 0.00	27.82 -0.06 0.00	36.66 -0.37 0.00	37.84 -0.62 0.00	32.64 -0.30 0.00	27.05 -0.03 0.00	26.34 -0.03 0.00	26.17 -0.03 0.00	27.35 0.03 0.00	29.54 0.09 -0.03	31.62 -0.13 -0.03	35.45 -0.07 -0.06	43.92 0.13 0.00	63.07 -0.25 0.00	73.60 0.29 0.00	70.15 0.07 0.00	49.39 0.00 0.00	41.91 -0.51 0.00	36.87 -0.22 0.00	34.02 0.17 0.00
HIGH FALLS___HY 23754	32.67 1.10 0.00	28.92 1.00 0.00	27.74 0.94 0.00	26.05 0.83 0.00	26.35 0.84 0.00	28.91 1.03 0.00	38.40 1.37 0.00	40.11 1.65 0.00	34.39 1.45 0.00	28.24 1.16 0.00	27.53 1.16 0.00	27.35 1.15 0.00	28.56 1.23 0.00	30.90 1.32 -0.15	33.47 1.59 -0.18	37.87 2.09 -0.32	46.15 2.36 0.00	66.61 3.29 0.00	76.44 3.59 0.46	72.87 2.94 0.15	51.51 2.12 0.00	44.71 2.29 0.00	39.06 1.97 0.00	35.58 1.73 0.00
HIGH_RIVER___SOLAR 323847	33.18 1.61 0.00	29.28 1.37 0.00	28.19 1.39 0.00	26.50 1.29 0.00	26.79 1.27 0.00	29.27 1.39 0.00	38.99 1.96 0.00	40.23 1.77 0.00	33.63 0.69 0.00	26.89 -0.19 0.00	25.68 -0.69 0.00	25.30 -0.89 0.00	26.34 -0.98 0.00	28.33 -1.00 0.10	30.71 -0.89 0.12	34.90 -0.35 0.20	44.40 0.61 0.00	65.92 2.60 0.00	77.63 4.32 0.00	74.21 4.13 0.00	52.15 2.76 0.00	44.71 2.29 0.00	39.17 2.08 0.00	35.57 1.73 0.00
HILLBURN___GT 23639	32.45 0.88 0.00	28.69 0.78 0.00	27.52 0.72 0.00	25.80 0.58 0.00	26.17 0.66 0.00	28.69 0.81 0.00	38.18 1.15 0.00	39.92 1.46 0.00	34.22 1.28 0.00	28.19 1.11 0.00	27.56 1.19 0.00	27.37 1.18 0.00	28.59 1.26 0.00	30.98 1.35 -0.20	33.57 1.62 -0.25	37.81 1.91 -0.44	45.71 1.92 0.00	65.60 2.28 0.00	75.72 2.42 0.00	71.90 1.82 0.00	50.62 1.24 0.00	43.91 1.48 0.00	38.58 1.49 0.00	35.14 1.29 0.00
HILLSIDE_115KV_TB1 80332	31.51 -0.06 0.00	27.80 -0.11 0.00	26.67 -0.13 0.00	25.09 -0.13 0.00	25.33 -0.18 0.00	27.57 -0.31 0.00	36.33 -0.70 0.00	37.54 -0.92 0.00	32.38 -0.56 0.00	26.81 -0.27 0.00	26.13 -0.24 0.00	25.98 -0.21 0.00	27.14 -0.19 0.00	29.28 -0.18 -0.03	31.36 -0.38 -0.04	35.13 -0.39 -0.06	43.53 -0.26 0.00	62.43 -0.89 0.00	72.72 -0.59 0.00	69.24 -0.84 0.00	48.74 -0.64 0.00	41.49 -0.93 0.00	36.46 -0.63 0.00	33.65 -0.20 0.00



HISHELDN_WT_PWR 323625	31.60 0.03 0.00	27.83 -0.08 0.00	26.80 0.00 0.00	25.34 0.13 0.00	25.43 -0.08 0.00	27.38 -0.50 0.00	35.59 -1.44 0.00	36.31 -2.15 0.00	31.58 -1.35 0.00	26.51 -0.57 0.00	25.89 -0.47 0.00	25.75 -0.45 0.00	26.97 -0.36 0.00	29.13 -0.29 0.00	31.20 -0.51 0.00	34.50 -0.96 0.00	42.65 -1.14 0.00	60.72 -2.60 0.00	70.89 -2.42 0.00	67.62 -2.45 0.00	47.80 -1.58 0.00	40.30 -2.12 0.00	35.68 -1.41 0.00	33.41 -0.44 0.00
HOLTSVILLE_IC_1 23690	32.20 0.63 0.00	28.19 0.28 0.00	26.81 0.13 0.12	25.24 0.03 0.00	25.61 0.10 0.00	27.90 0.14 0.12	37.28 0.26 0.01	39.03 0.58 0.01	33.69 0.76 0.00	27.70 0.62 0.00	27.53 1.16 0.00	27.32 1.13 0.00	28.64 1.31 0.00	31.20 1.56 -0.22	34.01 2.03 -0.27	38.38 2.44 -0.47	45.28 1.49 0.00	64.07 0.76 0.01	74.03 0.73 0.01	70.42 0.35 0.01	49.73 0.35 0.00	43.70 1.27 0.00	38.87 1.78 0.00	35.10 1.25 0.00
HOLTSVILLE_IC_10 23699	32.33 0.76 0.00	28.30 0.39 0.00	26.92 0.24 0.12	25.34 0.13 0.00	25.71 0.20 0.00	27.98 0.22 0.12	37.43 0.41 0.01	39.18 0.73 0.01	33.83 0.89 0.00	27.81 0.73 0.00	27.66 1.29 0.00	27.43 1.23 0.00	28.77 1.45 0.00	31.35 1.71 -0.22	34.20 2.22 -0.27	38.59 2.66 -0.47	45.58 1.80 0.00	64.51 1.20 0.01	74.54 1.25 0.01	70.84 0.77 0.01	50.08 0.69 0.00	43.99 1.57 0.00	39.09 2.00 0.00	35.30 1.45 0.00
HOLTSVILLE_IC_2 23691	32.20 0.63 0.00	28.19 0.28 0.00	26.81 0.13 0.12	25.24 0.03 0.00	25.61 0.10 0.00	27.90 0.14 0.12	37.28 0.26 0.01	39.03 0.58 0.01	33.69 0.76 0.00	27.70 0.62 0.00	27.53 1.16 0.00	27.32 1.13 0.00	28.64 1.31 0.00	31.20 1.56 -0.22	34.01 2.03 -0.27	38.38 2.44 -0.47	45.28 1.49 0.00	64.07 0.76 0.01	74.03 0.73 0.01	70.42 0.35 0.01	49.73 0.35 0.00	43.70 1.27 0.00	38.87 1.78 0.00	35.10 1.25 0.00
HOLTSVILLE_IC_3 23692	32.20 0.63 0.00	28.19 0.28 0.00	26.81 0.13 0.12	25.24 0.03 0.00	25.61 0.10 0.00	27.90 0.14 0.12	37.28 0.26 0.01	39.03 0.58 0.01	33.69 0.76 0.00	27.70 0.62 0.00	27.53 1.16 0.00	27.32 1.13 0.00	28.64 1.31 0.00	31.20 1.56 -0.22	34.01 2.03 -0.27	38.38 2.44 -0.47	45.28 1.49 0.00	64.07 0.76 0.01	74.03 0.73 0.01	70.42 0.35 0.01	49.73 0.35 0.00	43.70 1.27 0.00	38.87 1.78 0.00	35.10 1.25 0.00
HOLTSVILLE_IC_4 23693	32.20 0.63 0.00	28.19 0.28 0.00	26.81 0.13 0.12	25.24 0.03 0.00	25.61 0.10 0.00	27.90 0.14 0.12	37.28 0.26 0.01	39.03 0.58 0.01	33.69 0.76 0.00	27.70 0.62 0.00	27.53 1.16 0.00	27.32 1.13 0.00	28.64 1.31 0.00	31.20 1.56 -0.22	34.01 2.03 -0.27	38.38 2.44 -0.47	45.28 1.49 0.00	64.07 0.76 0.01	74.03 0.73 0.01	70.42 0.35 0.01	49.73 0.35 0.00	43.70 1.27 0.00	38.87 1.78 0.00	35.10 1.25 0.00
HOLTSVILLE_IC_5 23694	32.20 0.63 0.00	28.19 0.28 0.00	26.81 0.13 0.12	25.24 0.03 0.00	25.61 0.10 0.00	27.90 0.14 0.12	37.28 0.26 0.01	39.03 0.58 0.01	33.69 0.76 0.00	27.70 0.62 0.00	27.53 1.16 0.00	27.32 1.13 0.00	28.64 1.31 0.00	31.20 1.56 -0.22	34.01 2.03 -0.27	38.38 2.44 -0.47	45.28 1.49 0.00	64.07 0.76 0.01	74.03 0.73 0.01	70.42 0.35 0.01	49.73 0.35 0.00	43.70 1.27 0.00	38.87 1.78 0.00	35.10 1.25 0.00
HOLTSVILLE_IC_6 23695	32.33 0.76 0.00	28.30 0.39 0.00	26.92 0.24 0.12	25.34 0.13 0.00	25.71 0.20 0.00	27.98 0.22 0.12	37.43 0.41 0.01	39.18 0.73 0.01	33.83 0.89 0.00	27.81 0.73 0.00	27.66 1.29 0.00	27.43 1.23 0.00	28.77 1.45 0.00	31.35 1.71 -0.22	34.20 2.22 -0.27	38.59 2.66 -0.47	45.58 1.80 0.00	64.51 1.20 0.01	74.54 1.25 0.01	70.84 0.77 0.01	50.08 0.69 0.00	43.99 1.57 0.00	39.09 2.00 0.00	35.30 1.45 0.00
HOLTSVILLE_IC_7 23696	32.33 0.76 0.00	28.30 0.39 0.00	26.92 0.24 0.12	25.34 0.13 0.00	25.71 0.20 0.00	27.98 0.22 0.12	37.43 0.41 0.01	39.18 0.73 0.01	33.83 0.89 0.00	27.81 0.73 0.00	27.66 1.29 0.00	27.43 1.23 0.00	28.77 1.45 0.00	31.35 1.71 -0.22	34.20 2.22 -0.27	38.59 2.66 -0.47	45.58 1.80 0.00	64.51 1.20 0.01	74.54 1.25 0.01	70.84 0.77 0.01	50.08 0.69 0.00	43.99 1.57 0.00	39.09 2.00 0.00	35.30 1.45 0.00
HOLTSVILLE_IC_8 23697	32.33 0.76 0.00	28.30 0.39 0.00	26.92 0.24 0.12	25.34 0.13 0.00	25.71 0.20 0.00	27.98 0.22 0.12	37.43 0.41 0.01	39.18 0.73 0.01	33.83 0.89 0.00	27.81 0.73 0.00	27.66 1.29 0.00	27.43 1.23 0.00	28.77 1.45 0.00	31.35 1.71 -0.22	34.20 2.22 -0.27	38.59 2.66 -0.47	45.58 1.80 0.00	64.51 1.20 0.01	74.54 1.25 0.01	70.84 0.77 0.01	50.08 0.69 0.00	43.99 1.57 0.00	39.09 2.00 0.00	35.30 1.45 0.00
HOLTSVILLE_IC_9 23698	32.33 0.76 0.00	28.30 0.39 0.00	26.92 0.24 0.12	25.34 0.13 0.00	25.71 0.20 0.00	27.98 0.22 0.12	37.43 0.41 0.01	39.18 0.73 0.01	33.83 0.89 0.00	27.81 0.73 0.00	27.66 1.29 0.00	27.43 1.23 0.00	28.77 1.45 0.00	31.35 1.71 -0.22	34.20 2.22 -0.27	38.59 2.66 -0.47	45.58 1.80 0.00	64.51 1.20 0.01	74.54 1.25 0.01	70.84 0.77 0.01	50.08 0.69 0.00	43.99 1.57 0.00	39.09 2.00 0.00	35.30 1.45 0.00
HOMER_HL_115KV_TB2 355744	31.16 -0.41 0.00	27.38 -0.53 0.00	26.26 -0.54 0.00	24.79 -0.43 0.00	24.97 -0.54 0.00	27.02 -0.86 0.00	35.29 -1.74 0.00	36.27 -2.19 0.00	31.55 -1.38 0.00	26.54 -0.54 0.00	25.97 -0.40 0.00	25.88 -0.31 0.00	27.05 -0.27 0.00	29.13 -0.29 0.00	31.01 -0.70 0.00	34.61 -0.85 0.00	43.13 -0.66 0.00	61.04 -2.28 0.00	71.25 -2.05 0.00	67.55 -2.52 0.00	47.46 -1.93 0.00	39.92 -2.50 0.00	35.42 -1.67 0.00	33.04 -0.81 0.00
HOWARD_WT_PWR 323690	32.04 0.47 0.00	28.25 0.34 0.00	27.15 0.35 0.00	25.62 0.40 0.00	25.77 0.26 0.00	27.94 0.06 0.00	36.62 -0.41 0.00	37.65 -0.81 0.00	32.54 -0.39 0.00	27.05 -0.03 0.00	26.29 -0.08 0.00	26.12 -0.08 0.00	27.33 0.00 0.00	29.51 0.09 0.00	31.68 -0.03 0.00	35.25 -0.21 0.00	43.83 0.04 0.00	63.01 -0.32 0.00	73.82 0.52 0.00	70.43 0.35 0.00	49.63 0.25 0.00	41.87 -0.55 0.00	36.79 -0.30 0.00	34.15 0.30 0.00
HQ_GEN_CEDARS 23644	31.63 0.06 0.00	28.05 0.14 0.00	26.93 0.13 0.00	25.34 0.13 0.00	25.69 0.18 0.00	28.16 0.28 0.00	37.48 0.44 0.00	38.84 0.38 0.00	33.23 0.30 0.00	27.32 0.24 0.00	26.58 0.21 0.00	26.51 0.31 0.00	27.60 0.27 0.00	29.63 0.21 0.00	31.87 0.16 0.00	35.71 0.25 0.00	44.27 0.48 0.00	64.59 1.27 0.00	75.07 1.76 0.00	71.83 1.75 0.00	50.42 1.04 0.00	43.14 0.72 0.00	37.58 0.48 0.00	34.19 0.34 0.00
HQ_GEN_CEDARS_PROXY 323590	31.63 0.06 0.00	28.05 0.14 0.00	26.93 0.13 0.00	25.34 0.13 0.00	25.66 0.15 0.00	28.16 0.28 0.00	37.48 0.45 0.00	38.84 0.38 0.00	33.23 0.30 0.00	27.32 0.24 0.00	26.58 0.21 0.00	26.51 0.32 0.00	27.60 0.27 0.00	29.63 0.21 0.00	31.87 0.16 0.00	35.71 0.25 0.00	44.27 0.48 0.00	64.59 1.27 0.00	75.06 1.76 0.00	71.83 1.75 0.00	50.42 1.04 0.00	43.14 0.72 0.00	37.57 0.48 0.00	34.19 0.34 0.00



HQ_GEN_IMPORT 323601	31.54 -0.03 0.00	27.91 0.00 0.00	26.80 0.00 0.00	25.24 0.03 0.00	25.54 0.03 0.00	27.94 0.06 0.00	37.18 0.15 0.00	38.58 0.12 0.00	33.07 0.13 0.00	27.19 0.11 0.00	26.47 0.11 0.00	26.33 0.13 0.00	27.46 0.14 0.00	29.54 0.12 0.00	31.80 0.10 0.00	35.57 0.11 0.00	44.01 0.22 0.00	63.82 0.50 0.00	73.89 0.58 0.00	70.71 0.63 0.00	49.73 0.35 0.00	42.68 0.26 0.00	37.24 0.15 0.00	33.95 0.10 0.00
HQ_GEN_WHEEL 23651	31.54 -0.03 0.00	27.91 0.00 0.00	26.80 0.00 0.00	25.24 0.03 0.00	25.54 0.03 0.00	27.94 0.06 0.00	37.18 0.15 0.00	38.58 0.12 0.00	33.07 0.13 0.00	27.19 0.11 0.00	26.47 0.11 0.00	26.33 0.13 0.00	27.46 0.14 0.00	29.54 0.12 0.00	31.80 0.10 0.00	35.57 0.11 0.00	44.01 0.22 0.00	63.82 0.50 0.00	73.89 0.58 0.00	70.71 0.63 0.00	49.73 0.35 0.00	42.68 0.26 0.00	37.24 0.15 0.00	33.95 0.10 0.00
HUDSON AVE_GT_3 23810	32.83 1.26 0.00	29.03 1.12 0.00	27.79 0.99 0.00	26.13 0.91 0.00	26.43 0.92 0.00	28.99 1.12 0.00	38.51 1.48 0.00	40.27 1.81 0.00	34.65 1.71 0.00	28.51 1.44 0.00	27.92 1.56 0.00	27.74 1.55 0.00	28.97 1.64 0.00	31.47 1.82 -0.22	34.07 2.09 -0.26	38.37 2.45 -0.47	46.11 2.32 0.00	66.11 2.79 0.00	76.31 3.01 0.00	72.39 2.31 0.00	51.02 1.63 0.00	44.37 1.95 0.00	39.02 1.93 0.00	35.58 1.73 0.00
HUDSON AVE_GT_4 23540	32.83 1.26 0.00	29.03 1.12 0.00	27.79 0.99 0.00	26.13 0.91 0.00	26.43 0.92 0.00	28.99 1.12 0.00	38.51 1.48 0.00	40.27 1.81 0.00	34.65 1.71 0.00	28.51 1.44 0.00	27.92 1.56 0.00	27.74 1.55 0.00	28.97 1.64 0.00	31.47 1.82 -0.22	34.07 2.09 -0.26	38.37 2.45 -0.47	46.11 2.32 0.00	66.11 2.79 0.00	76.31 3.01 0.00	72.39 2.31 0.00	51.02 1.63 0.00	44.37 1.95 0.00	39.02 1.93 0.00	35.58 1.73 0.00
HUDSON AVE_GT_5 23657	32.83 1.26 0.00	29.03 1.12 0.00	27.79 0.99 0.00	26.13 0.91 0.00	26.43 0.92 0.00	28.99 1.12 0.00	38.51 1.48 0.00	40.27 1.81 0.00	34.65 1.71 0.00	28.51 1.44 0.00	27.92 1.56 0.00	27.74 1.55 0.00	28.97 1.64 0.00	31.47 1.82 -0.22	34.07 2.09 -0.26	38.37 2.45 -0.47	46.11 2.32 0.00	66.11 2.79 0.00	76.31 3.01 0.00	72.39 2.31 0.00	51.02 1.63 0.00	44.37 1.95 0.00	39.02 1.93 0.00	35.58 1.73 0.00
HUDSON_AVE_10 24168	32.74 1.17 0.00	28.94 1.03 0.00	27.74 0.94 0.00	26.07 0.86 0.00	26.35 0.84 0.00	28.91 1.03 0.00	38.44 1.41 0.00	40.23 1.77 0.00	34.62 1.68 0.00	28.51 1.44 0.00	27.90 1.53 0.00	27.71 1.52 0.00	28.94 1.61 0.00	31.44 1.79 -0.22	34.03 2.06 -0.26	38.34 2.41 -0.47	46.02 2.23 0.00	66.04 2.72 0.00	76.17 2.86 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.29 1.87 0.00	38.98 1.89 0.00	35.54 1.69 0.00
HUDSON___115KV_TB 4 355613	32.26 0.69 0.00	28.50 0.59 0.00	27.42 0.62 0.00	25.77 0.55 0.00	26.05 0.54 0.00	28.52 0.64 0.00	37.96 0.93 0.00	39.42 0.96 0.00	33.46 0.53 0.00	27.32 0.24 0.00	26.50 0.13 0.00	26.25 0.05 0.00	27.35 0.03 0.00	29.57 0.24 0.08	32.05 0.44 0.10	35.74 0.46 0.18	44.14 0.35 0.00	64.08 0.76 0.00	72.91 1.25 1.65	70.60 1.05 0.53	49.98 0.59 0.00	43.10 0.68 0.00	37.65 0.56 0.00	34.22 0.37 0.00
HUNTER MOUNT___DRP 323613	32.33 0.76 0.00	28.58 0.67 0.00	27.50 0.70 0.00	25.85 0.63 0.00	26.10 0.59 0.00	28.58 0.70 0.00	38.03 1.00 0.00	39.50 1.04 0.00	33.46 0.53 0.00	27.27 0.19 0.00	26.39 0.03 0.00	26.14 -0.05 0.00	27.27 -0.05 0.00	29.61 0.24 0.05	32.13 0.48 0.06	35.86 0.50 0.10	44.05 0.26 0.00	64.08 0.76 0.00	72.52 1.69 2.47	70.69 1.40 0.79	50.08 0.69 0.00	43.14 0.72 0.00	37.65 0.56 0.00	34.22 0.37 0.00
HUNTINGTON_RES_REC 323705	32.17 0.60 0.00	28.19 0.28 0.00	26.71 0.13 0.22	25.24 0.03 0.00	25.61 0.10 0.00	27.71 0.06 0.22	37.28 0.26 0.01	39.03 0.58 0.01	33.69 0.76 0.00	27.67 0.59 0.00	27.50 1.13 0.00	27.29 1.10 0.00	28.61 1.28 0.00	31.20 1.56 -0.22	33.98 2.00 -0.27	38.35 2.41 -0.47	45.15 1.36 0.00	64.07 0.76 0.01	73.96 0.66 0.01	70.28 0.21 0.01	49.63 0.25 0.00	43.61 1.19 0.00	38.87 1.78 0.00	35.14 1.29 0.00
HUNTLEY___63 23557	31.57 0.00 0.00	27.91 0.00 0.00	26.75 -0.05 0.00	25.24 0.03 0.00	25.36 -0.15 0.00	27.02 -0.86 0.00	35.14 -1.89 0.00	35.69 -2.77 0.00	31.26 -1.68 0.00	26.35 -0.73 0.00	25.84 -0.53 0.00	25.75 -0.45 0.00	27.00 -0.33 0.00	29.13 -0.29 0.00	30.95 -0.76 0.00	34.40 -1.06 0.00	42.43 -1.36 0.00	60.03 -3.29 0.00	69.72 -3.59 0.00	66.50 -3.57 0.00	47.16 -2.22 0.00	39.67 -2.76 0.00	35.31 -1.78 0.00	33.10 -0.74 0.00
HUNTLEY___64 23558	31.57 0.00 0.00	27.91 0.00 0.00	26.75 -0.05 0.00	25.24 0.03 0.00	25.36 -0.15 0.00	27.02 -0.86 0.00	35.14 -1.89 0.00	35.69 -2.77 0.00	31.26 -1.68 0.00	26.35 -0.73 0.00	25.84 -0.53 0.00	25.75 -0.45 0.00	27.00 -0.33 0.00	29.13 -0.29 0.00	30.95 -0.76 0.00	34.40 -1.06 0.00	42.43 -1.36 0.00	60.03 -3.29 0.00	69.72 -3.59 0.00	66.50 -3.57 0.00	47.16 -2.22 0.00	39.67 -2.76 0.00	35.31 -1.78 0.00	33.10 -0.74 0.00
HUNTLEY___65 23559	31.57 0.00 0.00	27.91 0.00 0.00	26.75 -0.05 0.00	25.24 0.03 0.00	25.36 -0.15 0.00	27.02 -0.86 0.00	35.14 -1.89 0.00	35.69 -2.77 0.00	31.26 -1.68 0.00	26.35 -0.73 0.00	25.84 -0.53 0.00	25.75 -0.45 0.00	27.00 -0.33 0.00	29.13 -0.29 0.00	30.95 -0.76 0.00	34.40 -1.06 0.00	42.43 -1.36 0.00	60.03 -3.29 0.00	69.72 -3.59 0.00	66.50 -3.57 0.00	47.16 -2.22 0.00	39.67 -2.76 0.00	35.31 -1.78 0.00	33.10 -0.74 0.00
HUNTLEY___66 23560	31.57 0.00 0.00	27.91 0.00 0.00	26.75 -0.05 0.00	25.24 0.03 0.00	25.36 -0.15 0.00	27.02 -0.86 0.00	35.14 -1.89 0.00	35.69 -2.77 0.00	31.26 -1.68 0.00	26.35 -0.73 0.00	25.84 -0.53 0.00	25.75 -0.45 0.00	27.00 -0.33 0.00	29.13 -0.29 0.00	30.95 -0.76 0.00	34.40 -1.06 0.00	42.43 -1.36 0.00	60.03 -3.29 0.00	69.72 -3.59 0.00	66.50 -3.57 0.00	47.16 -2.22 0.00	39.67 -2.76 0.00	35.31 -1.78 0.00	33.10 -0.74 0.00
HUNTLEY___67 23561	31.41 -0.16 0.00	27.66 -0.25 0.00	26.53 -0.27 0.00	25.04 -0.18 0.00	25.15 -0.36 0.00	26.93 -0.95 0.00	35.07 -1.96 0.00	35.69 -2.77 0.00	31.26 -1.68 0.00	26.32 -0.76 0.00	25.81 -0.55 0.00	25.72 -0.47 0.00	26.94 -0.38 0.00	29.07 -0.35 0.00	30.88 -0.82 0.00	34.32 -1.13 0.00	42.30 -1.49 0.00	59.84 -3.48 0.00	69.50 -3.81 0.00	66.29 -3.78 0.00	47.02 -2.37 0.00	39.62 -2.80 0.00	35.24 -1.85 0.00	32.97 -0.88 0.00
HUNTLEY___68 23562	31.41 -0.16 0.00	27.66 -0.25 0.00	26.53 -0.27 0.00	25.04 -0.18 0.00	25.15 -0.36 0.00	26.93 -0.95 0.00	35.07 -1.96 0.00	35.69 -2.77 0.00	31.26 -1.68 0.00	26.32 -0.76 0.00	25.81 -0.55 0.00	25.72 -0.47 0.00	26.94 -0.38 0.00	29.07 -0.35 0.00	30.88 -0.82 0.00	34.32 -1.13 0.00	42.30 -1.49 0.00	59.84 -3.48 0.00	69.50 -3.81 0.00	66.29 -3.78 0.00	47.02 -2.37 0.00	39.62 -2.80 0.00	35.24 -1.85 0.00	32.97 -0.88 0.00



HYLAND___LFGE 323620	32.96 1.39 0.00	29.03 1.12 0.00	27.90 1.10 0.00	26.38 1.16 0.00	26.50 0.99 0.00	28.74 0.87 0.00	37.73 0.70 0.00	38.84 0.38 0.00	33.33 0.40 0.00	27.43 0.35 0.00	26.50 0.13 0.00	26.22 0.03 0.00	27.46 0.14 0.00	29.60 0.18 0.00	31.84 0.13 0.00	35.71 0.25 0.00	44.75 0.96 0.00	65.09 1.77 0.00	76.83 3.52 0.00	73.58 3.50 0.00	51.80 2.42 0.00	43.61 1.19 0.00	38.24 1.15 0.00	35.37 1.52 0.00
INDECK___CORINTH 23802	32.20 0.63 0.00	28.41 0.50 0.00	27.36 0.56 0.00	25.75 0.53 0.00	25.97 0.46 0.00	28.44 0.56 0.00	37.84 0.81 0.00	39.19 0.73 0.00	33.33 0.40 0.00	27.16 0.08 0.00	26.24 -0.13 0.00	25.93 -0.26 0.00	27.03 -0.30 0.00	29.02 -0.27 0.14	31.41 -0.13 0.17	35.19 0.04 0.30	44.36 0.57 0.00	64.46 1.14 0.00	74.99 1.69 0.00	71.62 1.54 0.00	50.32 0.94 0.00	43.19 0.76 0.00	37.91 0.82 0.00	34.36 0.51 0.00
INDECK___ILION 23567	31.57 0.00 0.00	27.91 0.00 0.00	26.83 0.03 0.00	25.22 0.00 0.00	25.54 0.03 0.00	27.91 0.03 0.00	37.07 0.04 0.00	38.54 0.08 0.00	32.97 0.03 0.00	27.05 -0.03 0.00	26.32 -0.05 0.00	26.14 -0.05 0.00	27.27 -0.05 0.00	29.36 -0.06 0.00	31.65 -0.06 0.00	35.46 0.00 0.00	43.79 0.00 0.00	63.38 0.06 0.00	73.38 0.07 0.00	70.22 0.14 0.00	49.44 0.05 0.00	42.51 0.08 0.00	37.17 0.07 0.00	33.88 0.03 0.00
INDECK___OLEAN 23982	31.16 -0.41 0.00	27.44 -0.47 0.00	26.40 -0.40 0.00	24.97 -0.25 0.00	25.10 -0.41 0.00	27.15 -0.73 0.00	35.33 -1.70 0.00	36.27 -2.19 0.00	31.55 -1.38 0.00	26.62 -0.46 0.00	25.97 -0.39 0.00	25.88 -0.31 0.00	27.05 -0.27 0.00	29.19 -0.24 0.00	31.30 -0.41 0.00	34.61 -0.85 0.00	43.13 -0.66 0.00	60.91 -2.41 0.00	71.26 -2.05 0.00	67.56 -2.52 0.00	47.46 -1.93 0.00	39.92 -2.50 0.00	35.42 -1.67 0.00	33.07 -0.78 0.00
INDECK___OSWEGO 23783	31.16 -0.41 0.00	27.55 -0.36 0.00	26.45 -0.35 0.00	24.89 -0.33 0.00	25.15 -0.36 0.00	27.41 -0.47 0.00	36.33 -1.85 0.00	37.69 -2.73 0.00	32.31 -1.65 0.00	26.56 -0.52 0.00	25.87 -0.50 0.00	25.67 -0.52 0.00	26.81 -0.52 0.00	28.86 -0.56 0.00	31.11 -0.60 0.00	34.71 -0.75 0.00	42.91 -0.88 0.00	62.05 -1.27 0.00	71.99 -1.32 0.00	68.95 -1.12 0.00	48.59 -0.79 0.00	41.66 -0.76 0.00	36.43 -0.67 0.00	33.31 -0.54 0.00
INDECK___YERKES 23781	31.60 0.03 0.00	27.97 0.06 0.00	26.77 -0.03 0.00	25.52 0.30 0.00	25.43 -0.08 0.00	27.24 -0.64 0.00	35.18 -1.85 0.00	35.73 -2.73 0.00	31.29 -1.65 0.00	26.43 -0.65 0.00	25.87 -0.50 0.00	25.77 -0.42 0.00	27.00 -0.33 0.00	29.19 -0.24 0.00	31.23 -0.47 0.00	34.43 -1.03 0.00	42.48 -1.31 0.00	59.96 -3.36 0.00	69.79 -3.52 0.00	66.58 -3.50 0.00	47.21 -2.17 0.00	39.71 -2.72 0.00	35.31 -1.78 0.00	33.24 -0.61 0.00
INDIAN POINT_GT_1 24139	32.48 0.92 0.00	28.75 0.84 0.00	27.55 0.75 0.00	25.90 0.68 0.00	26.20 0.69 0.00	28.72 0.84 0.00	38.18 1.15 0.00	39.88 1.42 0.00	34.22 1.28 0.00	28.19 1.11 0.00	27.58 1.21 0.00	27.37 1.18 0.00	28.58 1.26 0.00	31.02 1.38 -0.22	33.59 1.62 -0.26	37.83 1.91 -0.46	45.67 1.88 0.00	65.54 2.22 0.00	75.58 2.27 0.00	71.83 1.75 0.00	50.62 1.23 0.00	43.95 1.53 0.00	38.58 1.48 0.00	35.17 1.32 0.00
INDIAN POINT_GT_2 23659	32.48 0.92 0.00	28.75 0.84 0.00	27.55 0.75 0.00	25.90 0.68 0.00	26.20 0.69 0.00	28.72 0.84 0.00	38.18 1.15 0.00	39.88 1.42 0.00	34.22 1.28 0.00	28.19 1.11 0.00	27.58 1.21 0.00	27.37 1.18 0.00	28.58 1.26 0.00	31.02 1.38 -0.22	33.59 1.62 -0.26	37.83 1.91 -0.46	45.67 1.88 0.00	65.54 2.22 0.00	75.58 2.27 0.00	71.83 1.75 0.00	50.62 1.23 0.00	43.95 1.53 0.00	38.58 1.48 0.00	35.17 1.32 0.00
INDIAN POINT_GT_3 24019	32.48 0.92 0.00	28.75 0.84 0.00	27.55 0.75 0.00	25.90 0.68 0.00	26.20 0.69 0.00	28.72 0.84 0.00	38.18 1.15 0.00	39.88 1.42 0.00	34.22 1.28 0.00	28.19 1.11 0.00	27.58 1.21 0.00	27.37 1.18 0.00	28.58 1.26 0.00	31.02 1.38 -0.22	33.59 1.62 -0.26	37.83 1.91 -0.46	45.67 1.88 0.00	65.54 2.22 0.00	75.58 2.27 0.00	71.83 1.75 0.00	50.62 1.23 0.00	43.95 1.53 0.00	38.58 1.48 0.00	35.17 1.32 0.00
INDIAN POINT___2 23530	32.45 0.88 0.00	28.69 0.78 0.00	27.50 0.70 0.00	25.80 0.58 0.00	26.15 0.64 0.00	28.66 0.78 0.00	38.14 1.11 0.00	39.84 1.38 0.00	34.22 1.28 0.00	28.16 1.08 0.00	27.56 1.19 0.00	27.35 1.15 0.00	28.56 1.23 0.00	30.99 1.35 -0.21	33.58 1.62 -0.26	37.82 1.91 -0.45	45.63 1.84 0.00	65.54 2.22 0.00	75.58 2.28 0.00	71.76 1.68 0.00	50.57 1.18 0.00	43.87 1.44 0.00	38.58 1.49 0.00	35.14 1.29 0.00
INDIAN POINT___3 23531	32.45 0.88 0.00	28.72 0.81 0.00	27.52 0.72 0.00	25.87 0.66 0.00	26.17 0.66 0.00	28.72 0.84 0.00	38.14 1.11 0.00	39.88 1.42 0.00	34.19 1.25 0.00	28.16 1.08 0.00	27.55 1.19 0.00	27.35 1.15 0.00	28.56 1.23 0.00	30.99 1.35 -0.22	33.56 1.59 -0.26	37.76 1.84 -0.46	45.63 1.84 0.00	65.47 2.15 0.00	75.51 2.20 0.00	71.76 1.68 0.00	50.57 1.19 0.00	43.91 1.48 0.00	38.54 1.45 0.00	35.14 1.29 0.00
INGHAM_C_115KV_TB7 356103	31.38 -0.19 0.00	27.77 -0.14 0.00	26.69 -0.11 0.00	25.09 -0.13 0.00	25.38 -0.13 0.00	27.77 -0.11 0.00	36.88 -0.15 0.00	38.34 -0.12 0.00	32.77 -0.16 0.00	26.86 -0.22 0.00	26.16 -0.21 0.00	25.96 -0.24 0.00	27.08 -0.25 0.00	29.16 -0.26 0.00	31.42 -0.29 0.00	35.21 -0.25 0.00	43.53 -0.26 0.00	63.00 -0.32 0.00	73.09 -0.22 0.00	69.94 -0.14 0.00	49.24 -0.15 0.00	42.34 -0.08 0.00	37.02 -0.07 0.00	33.71 -0.14 0.00
IP CORINTH___1 23988	32.39 0.82 0.00	28.58 0.67 0.00	27.52 0.72 0.00	25.90 0.68 0.00	26.12 0.61 0.00	28.60 0.72 0.00	38.03 1.00 0.00	39.42 0.96 0.00	33.50 0.56 0.00	27.32 0.24 0.00	26.39 0.03 0.00	26.06 -0.13 0.00	27.16 -0.16 0.00	29.16 -0.12 0.14	31.60 0.06 0.17	35.40 0.25 0.30	44.58 0.79 0.00	64.84 1.52 0.00	75.36 2.05 0.00	72.04 1.96 0.00	50.62 1.23 0.00	43.44 1.02 0.00	38.13 1.04 0.00	34.56 0.71 0.00
IP___TICONDEROGA 23804	33.53 1.96 0.00	29.56 1.65 0.00	28.54 1.74 0.00	26.86 1.64 0.00	27.04 1.53 0.00	29.58 1.70 0.00	39.44 2.41 0.00	40.73 2.27 0.00	34.45 1.52 0.00	28.00 0.92 0.00	26.92 0.55 0.00	26.56 0.37 0.00	27.63 0.30 0.00	29.69 0.41 0.15	32.20 0.67 0.18	36.25 1.10 0.31	46.11 2.32 0.00	67.31 3.99 0.00	78.81 5.50 0.00	75.33 5.26 0.00	52.74 3.36 0.00	45.05 2.63 0.00	39.62 2.52 0.00	35.75 1.90 0.00
ISLIP_RES_REC 323679	32.45 0.88 0.00	28.41 0.50 0.00	27.04 0.35 0.11	25.42 0.20 0.00	25.79 0.28 0.00	28.11 0.34 0.11	37.54 0.52 0.01	39.30 0.85 0.01	33.92 0.99 0.00	27.89 0.81 0.00	27.74 1.37 0.00	27.53 1.34 0.00	28.86 1.53 0.00	31.47 1.82 -0.22	34.36 2.38 -0.27	38.81 2.87 -0.47	45.85 2.06 0.00	64.90 1.58 0.01	74.99 1.69 0.01	71.33 1.26 0.01	50.37 0.99 0.00	44.20 1.78 0.00	39.28 2.19 0.00	35.47 1.62 0.00



JAMAICA__27_KV_LOAD 355505	32.86 1.29 0.00	29.06 1.14 0.00	27.82 1.02 0.00	26.15 0.93 0.00	26.43 0.92 0.00	29.02 1.14 0.00	38.66 1.63 0.00	40.50 2.04 0.00	34.88 1.94 0.00	28.73 1.65 0.00	28.06 1.69 0.00	27.90 1.70 0.00	29.13 1.80 0.00	31.67 2.03 -0.22	34.29 2.31 -0.26	38.66 2.73 -0.47	46.33 2.54 0.00	66.55 3.23 0.00	76.75 3.45 0.00	72.88 2.80 0.00	51.36 1.98 0.00	44.54 2.12 0.00	39.28 2.19 0.00	35.78 1.93 0.00
JANIS__SOLAR 323808	32.64 1.07 0.00	28.89 0.98 0.00	27.76 0.96 0.00	26.10 0.88 0.00	26.40 0.89 0.00	28.80 0.92 0.00	38.11 1.07 0.00	39.50 1.04 0.00	33.73 0.79 0.00	27.43 0.35 0.00	26.53 0.16 0.00	26.33 0.13 0.00	27.46 0.14 0.00	29.57 0.12 -0.03	31.87 0.13 -0.04	36.02 0.50 -0.06	44.93 1.14 0.00	65.54 2.22 0.00	76.75 3.45 0.00	73.58 3.50 0.00	51.66 2.27 0.00	43.99 1.57 0.00	38.35 1.26 0.00	35.10 1.25 0.00
JARVIS____ 23743	31.63 0.06 0.00	27.97 0.06 0.00	26.85 0.05 0.00	25.27 0.05 0.00	25.56 0.05 0.00	27.94 0.06 0.00	37.11 0.07 0.00	38.58 0.12 0.00	33.00 0.07 0.00	27.11 0.03 0.00	26.39 0.03 0.00	26.22 0.03 0.00	27.35 0.03 0.00	29.45 0.03 0.00	31.74 0.03 0.00	35.53 0.07 0.00	43.83 0.04 0.00	63.38 0.06 0.00	73.38 0.07 0.00	70.15 0.07 0.00	49.44 0.05 0.00	42.51 0.09 0.00	37.17 0.07 0.00	33.92 0.07 0.00
JENNISON____1 23625	32.74 1.17 0.00	28.94 1.03 0.00	27.84 1.05 0.00	26.13 0.91 0.00	26.48 0.97 0.00	28.91 1.03 0.00	38.25 1.22 0.00	39.73 1.27 0.00	33.99 1.05 0.00	27.70 0.62 0.00	26.90 0.53 0.00	26.72 0.52 0.00	27.87 0.55 0.00	29.96 0.50 -0.04	32.29 0.54 -0.04	36.49 0.96 -0.08	45.28 1.49 0.00	65.85 2.53 0.00	76.90 3.59 0.00	73.72 3.64 0.00	51.71 2.32 0.00	44.16 1.74 0.00	38.54 1.45 0.00	35.20 1.35 0.00
JENNISON____2 23626	32.74 1.17 0.00	28.94 1.03 0.00	27.84 1.05 0.00	26.13 0.91 0.00	26.48 0.97 0.00	28.91 1.03 0.00	38.25 1.22 0.00	39.73 1.27 0.00	33.99 1.05 0.00	27.70 0.62 0.00	26.90 0.53 0.00	26.72 0.52 0.00	27.87 0.55 0.00	29.96 0.50 -0.04	32.29 0.54 -0.04	36.49 0.96 -0.08	45.28 1.49 0.00	65.85 2.53 0.00	76.90 3.59 0.00	73.72 3.64 0.00	51.71 2.32 0.00	44.16 1.74 0.00	38.54 1.45 0.00	35.20 1.35 0.00
JERICOHO_RISE_WT_PWR 323719	31.13 -0.44 0.00	27.69 -0.22 0.00	26.64 -0.16 0.00	25.17 -0.05 0.00	25.56 0.05 0.00	28.16 0.28 0.00	37.62 0.59 0.00	39.04 0.58 0.00	33.56 0.62 0.00	27.70 0.62 0.00	26.98 0.61 0.00	26.95 0.76 0.00	28.04 0.71 0.00	30.07 0.65 0.00	32.34 0.63 0.00	36.28 0.82 0.00	45.06 1.27 0.00	65.92 2.60 0.00	76.61 3.30 0.00	73.37 3.29 0.00	51.36 1.98 0.00	43.82 1.40 0.00	38.06 0.96 0.00	34.56 0.71 0.00
KATONAH__115KV_46KV_TB4 355592	32.58 1.01 0.00	28.86 0.95 0.00	27.66 0.86 0.00	26.00 0.78 0.00	26.30 0.79 0.00	28.83 0.95 0.00	38.36 1.33 0.00	40.08 1.62 0.00	34.35 1.42 0.00	28.30 1.22 0.00	27.69 1.32 0.00	27.48 1.28 0.00	28.72 1.39 0.00	31.15 1.50 -0.22	33.72 1.74 -0.27	38.03 2.09 -0.47	45.93 2.15 0.00	65.92 2.60 0.00	75.95 2.64 0.00	72.32 2.24 0.00	50.92 1.53 0.00	44.21 1.78 0.00	38.72 1.63 0.00	35.27 1.42 0.00
KCE_NY_1 323755	32.61 1.04 0.00	28.80 0.89 0.00	27.68 0.88 0.00	26.05 0.83 0.00	26.33 0.82 0.00	28.80 0.92 0.00	38.36 1.33 0.00	39.81 1.35 0.00	33.86 0.92 0.00	27.65 0.57 0.00	26.79 0.42 0.00	26.48 0.29 0.00	27.60 0.27 0.00	29.63 0.35 0.15	32.03 0.51 0.18	35.88 0.75 0.32	45.06 1.27 0.00	65.35 2.03 0.00	75.80 2.49 0.00	72.39 2.31 0.00	50.97 1.58 0.00	43.82 1.40 0.00	38.43 1.33 0.00	34.90 1.05 0.00
KCE_NY_6_ESR 323823	31.70 0.13 0.00	27.91 0.00 0.00	26.85 0.05 0.00	25.42 0.20 0.00	25.48 -0.03 0.00	27.38 -0.50 0.00	35.48 -1.55 0.00	36.15 -2.31 0.00	31.58 -1.35 0.00	26.64 -0.43 0.00	26.05 -0.32 0.00	25.96 -0.24 0.00	27.19 -0.14 0.00	29.39 -0.03 0.00	31.45 -0.25 0.00	34.71 -0.75 0.00	42.91 -0.88 0.00	60.66 -2.66 0.00	70.67 -2.64 0.00	67.34 -2.73 0.00	47.66 -1.73 0.00	40.13 -2.29 0.00	35.61 -1.48 0.00	33.41 -0.44 0.00
KEDC PORT_JEFF_GT2 24210	32.30 0.73 0.00	28.27 0.36 0.00	26.88 0.21 0.13	25.32 0.10 0.00	25.69 0.18 0.00	27.94 0.20 0.13	37.39 0.37 0.01	39.15 0.69 0.01	33.79 0.85 0.00	27.78 0.70 0.00	27.63 1.27 0.00	27.40 1.21 0.00	28.75 1.42 0.00	31.32 1.68 -0.22	34.14 2.16 -0.27	38.56 2.62 -0.47	45.49 1.71 0.00	64.07 0.76 0.01	73.96 0.66 0.01	70.35 0.28 0.01	49.98 0.59 0.00	43.91 1.48 0.00	39.02 1.93 0.00	35.24 1.39 0.00
KEDC PORT_JEFF_GT3 24211	32.30 0.73 0.00	28.27 0.36 0.00	26.88 0.21 0.13	25.32 0.10 0.00	25.69 0.18 0.00	27.94 0.20 0.13	37.39 0.37 0.01	39.15 0.69 0.01	33.79 0.85 0.00	27.78 0.70 0.00	27.63 1.27 0.00	27.40 1.21 0.00	28.75 1.42 0.00	31.32 1.68 -0.22	34.14 2.16 -0.27	38.56 2.62 -0.47	45.49 1.71 0.00	64.07 0.76 0.01	73.96 0.66 0.01	70.35 0.28 0.01	49.98 0.59 0.00	43.91 1.48 0.00	39.02 1.93 0.00	35.24 1.39 0.00
KEDC_GLWD_GT4 24219	32.64 1.07 0.00	28.75 0.84 0.00	27.52 0.72 0.00	25.80 0.58 0.00	26.15 0.64 0.00	28.60 0.72 0.00	38.10 1.07 0.00	39.84 1.38 0.00	34.29 1.35 0.00	28.22 1.14 0.00	27.82 1.45 0.00	27.63 1.44 0.00	28.91 1.58 0.00	31.44 1.80 -0.22	34.11 2.12 -0.28	38.39 2.44 -0.48	45.63 1.84 0.00	65.28 1.97 0.00	75.28 1.98 0.00	71.55 1.47 0.00	50.42 1.04 0.00	44.25 1.82 0.00	39.06 1.96 0.00	35.44 1.59 0.00
KEDC_GLWD_GT5 24220	32.64 1.07 0.00	28.75 0.84 0.00	27.52 0.72 0.00	25.80 0.58 0.00	26.15 0.64 0.00	28.60 0.72 0.00	38.10 1.07 0.00	39.84 1.38 0.00	34.29 1.35 0.00	28.22 1.14 0.00	27.82 1.45 0.00	27.63 1.44 0.00	28.91 1.58 0.00	31.44 1.80 -0.22	34.11 2.12 -0.28	38.39 2.44 -0.48	45.63 1.84 0.00	65.28 1.97 0.00	75.28 1.98 0.00	71.55 1.47 0.00	50.42 1.04 0.00	44.25 1.82 0.00	39.06 1.96 0.00	35.44 1.59 0.00
KENSICO____ 23655	32.58 1.01 0.00	28.80 0.89 0.00	27.60 0.80 0.00	25.95 0.73 0.00	26.25 0.74 0.00	28.80 0.92 0.00	38.25 1.22 0.00	40.00 1.54 0.00	34.32 1.38 0.00	28.27 1.19 0.00	27.66 1.29 0.00	27.48 1.28 0.00	28.69 1.37 0.00	31.14 1.50 -0.22	33.72 1.74 -0.26	37.98 2.06 -0.47	45.76 1.97 0.00	65.66 2.34 0.00	75.73 2.42 0.00	71.97 1.89 0.00	50.72 1.33 0.00	44.08 1.65 0.00	38.69 1.59 0.00	35.27 1.42 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	32.61 1.04 0.00	28.86 0.95 0.00	27.68 0.88 0.00	26.00 0.78 0.00	26.33 0.82 0.00	28.86 0.98 0.00	38.33 1.30 0.00	40.04 1.58 0.00	34.29 1.35 0.00	28.14 1.06 0.00	27.42 1.05 0.00	27.22 1.02 0.00	28.42 1.09 0.00	30.76 1.18 -0.16	33.36 1.46 -0.20	37.68 1.88 -0.35	45.89 2.10 0.00	66.30 2.98 0.00	76.38 3.37 0.30	72.71 2.73 0.10	51.31 1.93 0.00	44.50 2.08 0.00	38.87 1.78 0.00	35.41 1.56 0.00



KIAC_JFK_GT1 23816	32.71 1.14 0.00	28.92 1.00 0.00	27.68 0.88 0.00	26.02 0.81 0.00	26.30 0.79 0.00	28.88 1.00 0.00	38.47 1.44 0.00	40.31 1.85 0.00	34.72 1.78 0.00	28.60 1.52 0.00	27.92 1.56 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.93 2.15 0.00	65.92 2.60 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.87 1.48 0.00	44.16 1.74 0.00	39.06 1.97 0.00	35.61 1.76 0.00
KIAC_JFK_GT2 23817	32.71 1.14 0.00	28.92 1.00 0.00	27.68 0.88 0.00	26.02 0.81 0.00	26.30 0.79 0.00	28.88 1.00 0.00	38.47 1.44 0.00	40.31 1.85 0.00	34.72 1.78 0.00	28.60 1.52 0.00	27.92 1.56 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.93 2.15 0.00	65.92 2.60 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.87 1.48 0.00	44.16 1.74 0.00	39.06 1.97 0.00	35.61 1.76 0.00
KIAC_JFK____ 323774	32.70 1.13 0.00	28.91 1.00 0.00	27.68 0.88 0.00	25.95 0.73 0.00	26.30 0.79 0.00	28.83 0.95 0.00	38.47 1.44 0.00	40.31 1.85 0.00	34.71 1.78 0.00	28.54 1.46 0.00	27.92 1.56 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.48 2.55 -0.47	45.93 2.15 0.00	65.98 2.66 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.87 1.48 0.00	44.08 1.65 0.00	39.09 2.00 0.00	35.57 1.73 0.00
KINTIGH__24_KV_GSU 356498	31.32 -0.25 0.00	27.66 -0.25 0.00	26.56 -0.24 0.00	25.22 0.00 0.00	25.23 -0.28 0.00	27.13 -0.75 0.00	35.22 -1.81 0.00	35.84 -2.62 0.00	31.36 -1.58 0.00	26.35 -0.73 0.00	25.79 -0.58 0.00	25.67 -0.52 0.00	26.89 -0.44 0.00	29.01 -0.41 0.00	31.01 -0.70 0.00	34.15 -1.31 0.00	42.08 -1.71 0.00	59.65 -3.67 0.00	69.28 -4.03 0.00	66.15 -3.92 0.00	46.97 -2.42 0.00	39.67 -2.76 0.00	35.16 -1.93 0.00	33.04 -0.81 0.00
KINTIGH____ 23543	31.32 -0.25 0.00	27.60 -0.31 0.00	26.50 -0.29 0.00	24.99 -0.23 0.00	25.13 -0.38 0.00	26.93 -0.95 0.00	35.18 -1.85 0.00	35.84 -2.62 0.00	31.36 -1.58 0.00	26.29 -0.79 0.00	25.79 -0.58 0.00	25.67 -0.52 0.00	26.89 -0.44 0.00	28.98 -0.44 0.00	30.82 -0.89 0.00	34.18 -1.28 0.00	42.12 -1.66 0.00	59.77 -3.55 0.00	69.35 -3.96 0.00	66.22 -3.85 0.00	46.97 -2.42 0.00	39.67 -2.76 0.00	35.24 -1.85 0.00	32.94 -0.91 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	31.38 -0.19 0.00	27.97 0.06 0.00	26.93 0.13 0.00	25.47 0.25 0.00	25.92 0.41 0.00	28.58 0.70 0.00	38.25 1.22 0.00	39.65 1.19 0.00	34.09 1.15 0.00	28.22 1.14 0.00	27.45 1.08 0.00	27.50 1.31 0.00	28.56 1.23 0.00	30.60 1.18 0.00	32.88 1.17 0.00	36.91 1.45 0.00	46.02 2.23 0.00	67.63 4.31 0.00	78.73 5.42 0.00	75.40 5.33 0.00	52.69 3.31 0.00	44.80 2.38 0.00	38.84 1.74 0.00	35.20 1.35 0.00
LACHUTE____HYDRO 323717	33.53 1.96 0.00	29.56 1.65 0.00	28.52 1.72 0.00	26.83 1.62 0.00	27.04 1.53 0.00	29.58 1.70 0.00	39.44 2.41 0.00	40.73 2.27 0.00	34.45 1.52 0.00	28.00 0.92 0.00	26.92 0.55 0.00	26.56 0.37 0.00	27.63 0.30 0.00	29.69 0.41 0.15	32.17 0.63 0.18	36.25 1.10 0.31	46.11 2.32 0.00	67.31 3.99 0.00	78.81 5.50 0.00	75.34 5.26 0.00	52.75 3.36 0.00	45.05 2.63 0.00	39.62 2.52 0.00	35.74 1.89 0.00
LAWRNCAY_115KV_TB1 80681	31.66 0.09 0.00	28.11 0.20 0.00	26.99 0.19 0.00	25.39 0.18 0.00	25.77 0.26 0.00	28.27 0.39 0.00	37.66 0.63 0.00	39.00 0.54 0.00	33.36 0.43 0.00	27.38 0.30 0.00	26.61 0.24 0.00	26.59 0.39 0.00	27.63 0.30 0.00	29.66 0.24 0.00	31.87 0.16 0.00	35.71 0.25 0.00	44.40 0.61 0.00	64.97 1.65 0.00	75.58 2.27 0.00	72.46 2.38 0.00	50.77 1.38 0.00	43.40 0.98 0.00	37.76 0.67 0.00	34.32 0.47 0.00
LEDERLE____ 23769	32.58 1.01 0.00	28.80 0.89 0.00	27.60 0.80 0.00	25.95 0.73 0.00	26.25 0.74 0.00	28.86 0.98 0.00	38.36 1.33 0.00	40.08 1.62 0.00	34.39 1.45 0.00	28.30 1.22 0.00	27.66 1.29 0.00	27.45 1.26 0.00	28.69 1.37 0.00	31.10 1.47 -0.21	33.67 1.71 -0.25	37.96 2.06 -0.45	45.85 2.06 0.00	65.85 2.53 0.00	76.02 2.71 0.00	72.18 2.10 0.00	50.82 1.43 0.00	44.12 1.70 0.00	38.69 1.59 0.00	35.27 1.42 0.00
LIGHTHSE_115KV_TB6 355974	31.60 0.03 0.00	27.97 0.06 0.00	26.85 0.05 0.00	25.24 0.03 0.00	25.56 0.05 0.00	27.91 0.03 0.00	36.99 -0.04 0.00	38.38 -0.08 0.00	32.84 -0.10 0.00	26.89 -0.19 0.00	26.13 -0.24 0.00	25.96 -0.24 0.00	27.08 -0.25 0.00	29.16 -0.26 0.00	31.36 -0.35 0.00	35.07 -0.39 0.00	43.39 -0.39 0.00	63.00 -0.32 0.00	73.38 0.07 0.00	70.36 0.28 0.00	49.58 0.20 0.00	42.47 0.04 0.00	37.06 -0.04 0.00	33.82 -0.03 0.00
LINDEN COGEN____ 23786	32.58 1.01 0.00	28.83 0.92 0.00	27.60 0.80 0.00	25.87 0.65 0.00	26.22 0.71 0.00	28.71 0.84 0.00	38.21 1.18 0.01	39.96 1.50 0.00	34.42 1.48 0.00	28.33 1.25 0.00	27.76 1.40 0.00	27.58 1.39 0.00	28.80 1.47 0.00	31.26 1.62 -0.22	33.88 1.90 -0.26	38.12 2.20 -0.47	45.76 1.97 0.00	65.66 2.34 0.00	75.65 2.35 0.00	71.83 1.75 0.00	50.62 1.24 0.00	43.99 1.57 0.01	38.80 1.71 0.00	35.34 1.49 0.00
LINDHRST_69_KV_BK1 356055	32.71 1.14 0.00	28.69 0.78 0.00	27.41 0.62 0.01	25.75 0.53 0.00	26.05 0.54 0.00	28.54 0.67 0.01	37.88 0.85 0.01	39.61 1.15 0.01	34.16 1.22 0.00	28.11 1.03 0.00	27.87 1.50 0.00	27.66 1.47 0.00	28.99 1.67 0.00	31.64 2.00 -0.22	34.39 2.41 -0.27	38.77 2.84 -0.48	46.02 2.23 0.00	65.47 2.15 0.01	75.57 2.27 0.01	71.89 1.82 0.01	50.67 1.28 0.00	44.46 2.04 0.00	39.39 2.30 0.00	35.64 1.79 0.00
LIPA_MISC_IPP 23656	32.01 0.44 0.00	28.05 0.14 0.00	26.68 0.00 0.12	25.22 0.00 0.00	25.51 0.00 0.00	27.81 0.06 0.12	37.13 0.11 0.01	38.84 0.38 0.01	33.53 0.59 0.00	27.59 0.51 0.00	27.42 1.05 0.00	27.19 1.00 0.00	28.53 1.20 0.00	31.05 1.41 -0.22	33.88 1.90 -0.27	38.24 2.30 -0.47	45.15 1.36 0.00	63.88 0.57 0.01	73.89 0.59 0.01	70.28 0.21 0.01	49.63 0.25 0.00	43.65 1.23 0.00	38.72 1.63 0.00	35.03 1.18 0.00
LISF____SOLAR 323691	32.04 0.47 0.00	28.08 0.17 0.00	26.68 0.00 0.12	25.14 -0.08 0.00	25.51 0.00 0.00	27.76 0.00 0.12	37.10 0.07 0.01	38.88 0.42 0.01	33.53 0.59 0.00	27.59 0.51 0.00	27.42 1.06 0.00	27.19 1.00 0.00	28.53 1.20 0.00	31.05 1.41 -0.22	33.88 1.90 -0.27	38.31 2.38 -0.47	45.19 1.40 0.00	64.01 0.70 0.01	74.03 0.73 0.01	70.42 0.35 0.01	49.73 0.35 0.00	43.70 1.27 0.00	38.84 1.74 0.00	35.07 1.22 0.00
LITTLE FALLS____HYD 24013	31.38 -0.19 0.00	27.77 -0.14 0.00	26.69 -0.11 0.00	25.09 -0.13 0.00	25.38 -0.13 0.00	27.77 -0.11 0.00	36.88 -0.15 0.00	38.34 -0.12 0.00	32.77 -0.16 0.00	26.86 -0.22 0.00	26.16 -0.21 0.00	25.96 -0.24 0.00	27.08 -0.25 0.00	29.16 -0.26 0.00	31.42 -0.29 0.00	35.21 -0.25 0.00	43.53 -0.26 0.00	63.00 -0.32 0.00	73.09 -0.22 0.00	69.94 -0.14 0.00	49.24 -0.15 0.00	42.34 -0.08 0.00	37.02 -0.07 0.00	33.71 -0.14 0.00



LITTLRIV_115KV_TB1 356100	31.92 0.35 0.00	28.33 0.42 0.00	27.23 0.43 0.00	25.62 0.40 0.00	25.99 0.48 0.00	28.55 0.67 0.00	38.03 1.00 0.00	39.34 0.88 0.00	33.60 0.66 0.00	27.49 0.41 0.00	26.68 0.32 0.00	26.64 0.45 0.00	27.71 0.38 0.00	29.72 0.29 0.00	31.93 0.22 0.00	35.85 0.39 0.00	44.66 0.88 0.00	65.54 2.22 0.00	76.53 3.23 0.00	73.44 3.36 0.00	51.36 1.98 0.00	43.87 1.44 0.00	38.13 1.04 0.00	34.63 0.78 0.00
LI_NEWBRDGE___DRP 323616	32.26 0.69 0.00	28.36 0.45 0.00	27.09 0.29 0.00	25.47 0.25 0.00	25.77 0.26 0.00	28.24 0.36 0.00	37.50 0.48 0.01	39.22 0.77 0.01	33.79 0.86 0.00	27.81 0.73 0.00	27.53 1.16 0.00	27.32 1.13 0.00	28.64 1.31 0.00	31.20 1.56 -0.22	33.85 1.87 -0.27	38.06 2.13 -0.47	45.28 1.49 0.00	64.52 1.20 0.01	74.47 1.17 0.01	70.77 0.70 0.01	49.88 0.49 0.00	43.74 1.32 0.00	38.72 1.63 0.00	35.10 1.25 0.00
LOCKPORT_115KV_TB60_63_64 80432	31.66 0.09 0.00	27.60 -0.31 0.00	26.45 -0.35 0.00	24.97 -0.25 0.00	25.08 -0.43 0.00	27.02 -0.86 0.00	34.96 -2.07 0.00	35.50 -2.96 0.00	31.09 -1.84 0.00	26.19 -0.89 0.00	25.71 -0.66 0.00	25.59 -0.60 0.00	26.81 -0.52 0.00	28.92 -0.50 0.00	30.73 -0.98 0.00	34.15 -1.31 0.00	42.12 -1.66 0.00	59.65 -3.67 0.00	69.28 -4.03 0.00	66.15 -3.92 0.00	46.92 -2.47 0.00	39.50 -2.93 0.00	35.13 -1.97 0.00	33.17 -0.68 0.00
LOCKPORT___CC1 323769	31.60 0.03 0.00	27.66 -0.25 0.00	26.80 0.00 0.00	25.24 0.03 0.00	25.43 -0.08 0.00	27.21 -0.67 0.00	34.99 -2.04 0.00	35.54 -2.92 0.00	31.13 -1.81 0.00	26.27 -0.81 0.00	25.71 -0.66 0.00	25.59 -0.60 0.00	26.84 -0.49 0.00	28.98 -0.44 0.00	30.98 -0.73 0.00	34.15 -1.31 0.00	42.12 -1.66 0.00	59.52 -3.80 0.00	69.28 -4.03 0.00	66.15 -3.92 0.00	46.92 -2.47 0.00	39.50 -2.93 0.00	35.13 -1.97 0.00	33.21 -0.64 0.00
LOCKPORT___CC2 323770	31.60 0.03 0.00	27.66 -0.25 0.00	26.80 0.00 0.00	25.24 0.03 0.00	25.43 -0.08 0.00	27.21 -0.67 0.00	34.99 -2.04 0.00	35.54 -2.92 0.00	31.13 -1.81 0.00	26.27 -0.81 0.00	25.71 -0.66 0.00	25.59 -0.60 0.00	26.84 -0.49 0.00	28.98 -0.44 0.00	30.98 -0.73 0.00	34.15 -1.31 0.00	42.12 -1.66 0.00	59.52 -3.80 0.00	69.28 -4.03 0.00	66.15 -3.92 0.00	46.92 -2.47 0.00	39.50 -2.93 0.00	35.13 -1.97 0.00	33.21 -0.64 0.00
LOCKPORT___CC3 323771	31.60 0.03 0.00	27.66 -0.25 0.00	26.80 0.00 0.00	25.24 0.03 0.00	25.43 -0.08 0.00	27.21 -0.67 0.00	34.99 -2.04 0.00	35.54 -2.92 0.00	31.13 -1.81 0.00	26.27 -0.81 0.00	25.71 -0.66 0.00	25.59 -0.60 0.00	26.84 -0.49 0.00	28.98 -0.44 0.00	30.98 -0.73 0.00	34.15 -1.31 0.00	42.12 -1.66 0.00	59.52 -3.80 0.00	69.28 -4.03 0.00	66.15 -3.92 0.00	46.92 -2.47 0.00	39.50 -2.93 0.00	35.13 -1.97 0.00	33.21 -0.64 0.00
LOCUSVLY_69_KV_BK2 55797	32.58 1.01 0.00	28.66 0.75 0.00	27.42 0.62 0.00	25.77 0.55 0.00	26.07 0.56 0.00	28.55 0.67 0.00	37.95 0.93 0.00	39.65 1.19 0.00	34.19 1.25 0.00	28.14 1.06 0.00	27.79 1.42 0.00	27.61 1.41 0.00	28.91 1.58 0.00	31.50 1.85 -0.22	34.17 2.19 -0.28	38.46 2.52 -0.48	45.72 1.93 0.00	65.28 1.96 0.00	75.28 1.98 0.00	71.61 1.54 0.00	50.42 1.04 0.00	44.21 1.78 0.00	39.06 1.97 0.00	35.44 1.59 0.00
LONG_LAKE_PHOENIX 24014	31.35 -0.22 0.00	27.69 -0.22 0.00	26.59 -0.21 0.00	24.99 -0.23 0.00	25.26 -0.26 0.00	27.52 -0.36 0.00	36.48 -0.56 0.00	37.88 -0.58 0.00	32.48 -0.46 0.00	26.73 -0.35 0.00	26.00 -0.37 0.00	25.83 -0.37 0.00	26.94 -0.38 0.00	29.04 -0.38 0.00	31.26 -0.44 0.00	34.93 -0.53 0.00	43.18 -0.61 0.00	62.43 -0.89 0.00	72.43 -0.88 0.00	69.31 -0.77 0.00	48.89 -0.49 0.00	41.87 -0.55 0.00	36.61 -0.48 0.00	33.48 -0.37 0.00
LOVETT___3 23632	32.45 0.88 0.00	28.69 0.78 0.00	27.50 0.70 0.00	25.85 0.63 0.00	26.17 0.66 0.00	28.69 0.81 0.00	38.10 1.07 0.00	39.84 1.38 0.00	34.19 1.25 0.00	28.16 1.08 0.00	27.53 1.16 0.00	27.35 1.15 0.00	28.56 1.23 0.00	30.99 1.35 -0.21	33.52 1.55 -0.25	37.75 1.84 -0.45	45.63 1.84 0.00	65.47 2.15 0.00	75.58 2.27 0.00	71.76 1.68 0.00	50.57 1.19 0.00	43.91 1.48 0.00	38.54 1.45 0.00	35.14 1.29 0.00
LOVETT___4 23642	32.45 0.88 0.00	28.69 0.78 0.00	27.50 0.70 0.00	25.85 0.63 0.00	26.17 0.66 0.00	28.69 0.81 0.00	38.10 1.07 0.00	39.84 1.38 0.00	34.19 1.25 0.00	28.16 1.08 0.00	27.53 1.16 0.00	27.35 1.15 0.00	28.56 1.23 0.00	30.99 1.35 -0.21	33.52 1.55 -0.25	37.75 1.84 -0.45	45.63 1.84 0.00	65.47 2.15 0.00	75.58 2.27 0.00	71.76 1.68 0.00	50.57 1.19 0.00	43.91 1.48 0.00	38.54 1.45 0.00	35.14 1.29 0.00
LOVETT___5 23593	32.45 0.88 0.00	28.69 0.78 0.00	27.50 0.70 0.00	25.85 0.63 0.00	26.17 0.66 0.00	28.69 0.81 0.00	38.10 1.07 0.00	39.84 1.38 0.00	34.19 1.25 0.00	28.16 1.08 0.00	27.53 1.16 0.00	27.35 1.15 0.00	28.56 1.23 0.00	30.99 1.35 -0.21	33.52 1.55 -0.25	37.75 1.84 -0.45	45.63 1.84 0.00	65.47 2.15 0.00	75.58 2.27 0.00	71.76 1.68 0.00	50.57 1.19 0.00	43.91 1.48 0.00	38.54 1.45 0.00	35.14 1.29 0.00
LOWER RAQUET___HYD 24057	31.70 0.13 0.00	28.11 0.20 0.00	27.01 0.21 0.00	25.42 0.20 0.00	25.77 0.26 0.00	28.32 0.44 0.00	37.73 0.70 0.00	39.07 0.61 0.00	33.43 0.49 0.00	27.41 0.33 0.00	26.63 0.26 0.00	26.59 0.39 0.00	27.66 0.33 0.00	29.66 0.23 0.00	31.87 0.16 0.00	35.74 0.28 0.00	44.45 0.66 0.00	65.03 1.71 0.00	75.80 2.49 0.00	72.67 2.59 0.00	50.87 1.48 0.00	43.48 1.06 0.00	37.80 0.70 0.00	34.36 0.51 0.00
LOWER___HUDSON 24059	32.33 0.76 0.00	28.55 0.64 0.00	27.39 0.59 0.00	25.77 0.55 0.00	26.07 0.56 0.00	28.58 0.70 0.00	38.11 1.07 0.00	39.61 1.15 0.00	33.69 0.76 0.00	27.59 0.51 0.00	26.84 0.48 0.00	26.56 0.37 0.00	27.71 0.38 0.00	29.67 0.44 0.20	32.07 0.60 0.24	35.79 0.75 0.42	44.80 1.01 0.00	64.71 1.39 0.00	74.77 1.47 0.00	71.34 1.26 0.00	50.37 0.99 0.00	43.44 1.02 0.00	38.02 0.93 0.00	34.59 0.74 0.00
LOWVILLE_115KV_TB2 356335	31.85 0.28 0.00	28.22 0.31 0.00	27.15 0.35 0.00	25.52 0.30 0.00	25.92 0.41 0.00	28.58 0.70 0.00	37.96 0.93 0.00	39.38 0.92 0.00	33.60 0.66 0.00	27.30 0.22 0.00	26.50 0.13 0.00	26.35 0.16 0.00	27.46 0.14 0.00	29.48 0.06 0.00	31.49 -0.22 0.00	35.35 -0.11 0.00	43.88 0.09 0.00	64.08 0.76 0.00	74.92 1.61 0.00	71.83 1.75 0.00	50.27 0.89 0.00	43.02 0.59 0.00	37.54 0.45 0.00	34.22 0.37 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	32.61 1.04 0.00	28.78 0.87 0.00	27.68 0.88 0.00	26.05 0.83 0.00	26.30 0.79 0.00	28.80 0.92 0.00	38.36 1.33 0.00	39.81 1.35 0.00	33.83 0.89 0.00	27.65 0.57 0.00	26.76 0.40 0.00	26.48 0.29 0.00	27.60 0.27 0.00	29.63 0.35 0.15	32.07 0.54 0.18	35.88 0.74 0.32	45.01 1.23 0.00	65.28 1.96 0.00	75.73 2.42 0.00	72.32 2.24 0.00	50.97 1.58 0.00	43.82 1.40 0.00	38.39 1.30 0.00	34.90 1.05 0.00



LUTHERNY_35_KV_BK2 355980	32.61 1.04 0.00	28.80 0.89 0.00	27.71 0.91 0.00	26.07 0.86 0.00	26.33 0.82 0.00	28.83 0.95 0.00	38.40 1.37 0.00	39.81 1.35 0.00	33.86 0.92 0.00	27.65 0.57 0.00	26.79 0.42 0.00	26.48 0.29 0.00	27.60 0.27 0.00	29.63 0.35 0.15	32.07 0.54 0.18	35.88 0.74 0.32	45.06 1.27 0.00	65.35 2.03 0.00	75.80 2.49 0.00	72.39 2.31 0.00	50.97 1.58 0.00	43.82 1.40 0.00	38.43 1.34 0.00	34.90 1.05 0.00
LWR___OSWEGATCHIE_HYD 23850	31.76 0.19 0.00	28.16 0.25 0.00	27.09 0.29 0.00	25.47 0.25 0.00	25.84 0.33 0.00	28.41 0.53 0.00	37.81 0.78 0.00	39.19 0.73 0.00	33.46 0.53 0.00	27.30 0.22 0.00	26.50 0.13 0.00	26.40 0.21 0.00	27.49 0.16 0.00	29.51 0.09 0.00	31.61 -0.10 0.00	35.46 0.00 0.00	44.10 0.31 0.00	64.52 1.20 0.00	75.36 2.05 0.00	72.25 2.17 0.00	50.57 1.19 0.00	43.31 0.89 0.00	37.69 0.59 0.00	34.32 0.47 0.00
LYONS_FALL_HYD 23570	31.92 0.35 0.00	28.27 0.36 0.00	27.20 0.40 0.00	25.57 0.35 0.00	25.94 0.43 0.00	28.49 0.61 0.00	37.84 0.81 0.00	39.30 0.85 0.00	33.53 0.59 0.00	27.32 0.24 0.00	26.53 0.16 0.00	26.38 0.18 0.00	27.49 0.16 0.00	29.54 0.12 0.00	31.68 -0.03 0.00	35.53 0.07 0.00	44.10 0.31 0.00	64.21 0.89 0.00	74.92 1.61 0.00	71.83 1.75 0.00	50.32 0.94 0.00	43.10 0.68 0.00	37.61 0.52 0.00	34.29 0.44 0.00
MADISON___COUNTY_LFGE 323628	32.20 0.63 0.00	28.50 0.59 0.00	27.39 0.59 0.00	25.72 0.50 0.00	26.07 0.56 0.00	28.49 0.61 0.00	37.81 0.78 0.00	39.31 0.85 0.00	33.56 0.63 0.00	27.40 0.32 0.00	26.63 0.26 0.00	26.43 0.24 0.00	27.60 0.27 0.00	29.69 0.26 0.00	31.96 0.25 0.00	35.88 0.43 0.00	44.49 0.70 0.00	64.59 1.27 0.00	75.21 1.91 0.00	72.11 2.03 0.00	50.62 1.23 0.00	43.36 0.93 0.00	37.80 0.70 0.00	34.49 0.64 0.00
MALONE___115KV_TB1 356076	31.57 0.00 0.00	28.08 0.17 0.00	27.01 0.21 0.00	25.47 0.25 0.00	25.87 0.36 0.00	28.49 0.61 0.00	38.07 1.04 0.00	39.42 0.96 0.00	33.83 0.89 0.00	27.92 0.84 0.00	27.13 0.76 0.00	27.19 1.00 0.00	28.23 0.90 0.00	30.25 0.82 0.00	32.47 0.76 0.00	36.45 0.99 0.00	45.41 1.62 0.00	66.74 3.42 0.00	77.71 4.40 0.00	74.49 4.41 0.00	52.05 2.67 0.00	44.33 1.91 0.00	38.43 1.34 0.00	34.87 1.02 0.00
MAPLEWOD_115KV_TB3 80458	32.11 0.54 0.00	28.36 0.45 0.00	27.25 0.46 0.00	25.65 0.43 0.00	25.92 0.41 0.00	28.41 0.53 0.00	37.81 0.78 0.00	39.34 0.88 0.00	33.46 0.53 0.00	27.43 0.35 0.00	26.68 0.32 0.00	26.46 0.26 0.00	27.57 0.25 0.00	29.60 0.32 0.15	32.01 0.48 0.18	35.68 0.53 0.31	44.40 0.61 0.00	64.14 0.82 0.00	74.11 0.81 0.00	70.71 0.63 0.00	49.93 0.54 0.00	43.06 0.64 0.00	37.65 0.56 0.00	34.29 0.44 0.00
MAPLE_RIDGE_WT_1 323574	31.19 -0.38 0.00	27.63 -0.28 0.00	26.58 -0.22 0.00	25.01 -0.20 0.00	25.33 -0.18 0.00	27.74 -0.14 0.00	36.92 -0.11 0.00	38.38 -0.08 0.00	32.90 -0.03 0.00	27.08 0.00 0.00	26.37 0.00 0.00	26.22 0.03 0.00	27.35 0.03 0.00	29.42 0.00 0.00	31.68 -0.03 0.00	35.46 0.00 0.00	43.83 0.04 0.00	63.45 0.13 0.00	73.53 0.22 0.00	70.29 0.21 0.00	49.48 0.10 0.00	42.47 0.04 0.00	37.06 -0.04 0.00	33.75 -0.10 0.00
MAPLE_RIDGE_WT_2 323611	31.19 -0.38 0.00	27.63 -0.28 0.00	26.58 -0.22 0.00	25.01 -0.20 0.00	25.33 -0.18 0.00	27.74 -0.14 0.00	36.92 -0.11 0.00	38.38 -0.08 0.00	32.90 -0.03 0.00	27.08 0.00 0.00	26.37 0.00 0.00	26.22 0.03 0.00	27.35 0.03 0.00	29.42 0.00 0.00	31.68 -0.03 0.00	35.46 0.00 0.00	43.83 0.04 0.00	63.45 0.13 0.00	73.53 0.22 0.00	70.29 0.21 0.00	49.48 0.10 0.00	42.47 0.04 0.00	37.06 -0.04 0.00	33.75 -0.10 0.00
MARBLE_RIVER_WT_PWR 323696	30.90 -0.66 0.00	27.58 -0.33 0.00	26.61 -0.19 0.00	25.22 0.00 0.00	25.66 0.15 0.00	28.38 0.50 0.00	37.99 0.96 0.00	39.46 1.00 0.00	34.02 1.09 0.00	28.19 1.11 0.00	27.45 1.08 0.00	27.50 1.31 0.00	28.56 1.23 0.00	30.63 1.21 0.00	32.88 1.17 0.00	36.91 1.45 0.00	45.98 2.19 0.00	67.50 4.18 0.00	78.59 5.28 0.00	75.19 5.11 0.00	52.59 3.21 0.00	44.71 2.29 0.00	38.76 1.67 0.00	35.14 1.29 0.00
MARSHVLE_115KV_TB1 80742	33.75 2.18 0.00	29.78 1.87 0.00	28.68 1.88 0.00	26.96 1.74 0.00	27.24 1.73 0.00	29.78 1.90 0.00	39.66 2.63 0.00	40.84 2.38 0.00	34.12 1.19 0.00	27.38 0.30 0.00	26.26 -0.11 0.00	25.96 -0.24 0.00	27.05 -0.27 0.00	29.08 -0.26 0.08	31.49 -0.13 0.09	35.68 0.39 0.17	45.23 1.45 0.00	67.12 3.80 0.00	79.39 6.08 0.00	75.96 5.89 0.00	53.24 3.85 0.00	45.56 3.14 0.00	39.91 2.82 0.00	36.19 2.34 0.00
MARSH_HILL_WT_PWR 323713	32.04 0.47 0.00	28.25 0.34 0.00	27.15 0.35 0.00	25.62 0.40 0.00	25.77 0.26 0.00	27.94 0.06 0.00	36.62 -0.41 0.00	37.65 -0.81 0.00	32.54 -0.39 0.00	27.05 -0.03 0.00	26.29 -0.08 0.00	26.12 -0.08 0.00	27.30 -0.03 0.00	29.48 0.06 0.00	31.65 -0.06 0.00	35.25 -0.21 0.00	43.79 0.00 0.00	62.94 -0.38 0.00	73.82 0.52 0.00	70.36 0.28 0.00	49.63 0.25 0.00	41.87 -0.55 0.00	36.76 -0.33 0.00	34.15 0.30 0.00
MCINTYRE_115KV_TB2 80467	32.01 0.44 0.00	28.41 0.50 0.00	27.31 0.51 0.00	25.67 0.45 0.00	26.07 0.56 0.00	28.60 0.72 0.00	38.10 1.07 0.00	39.42 0.96 0.00	33.63 0.69 0.00	27.49 0.41 0.00	26.68 0.32 0.00	26.64 0.45 0.00	27.71 0.38 0.00	29.72 0.29 0.00	31.93 0.22 0.00	35.85 0.39 0.00	44.66 0.88 0.00	65.66 2.34 0.00	76.75 3.45 0.00	73.65 3.57 0.00	51.51 2.12 0.00	43.95 1.53 0.00	38.21 1.11 0.00	34.70 0.85 0.00
MECO_____69_KV_BK1 80468	33.81 2.24 0.00	29.84 1.93 0.00	28.76 1.96 0.00	27.06 1.84 0.00	27.30 1.79 0.00	29.86 1.98 0.00	39.77 2.74 0.00	41.00 2.54 0.00	34.32 1.38 0.00	27.54 0.46 0.00	26.39 0.03 0.00	26.04 -0.16 0.00	27.11 -0.22 0.00	29.16 -0.18 0.09	31.60 0.00 0.11	35.87 0.60 0.19	45.63 1.84 0.00	67.50 4.18 0.00	79.61 6.30 0.00	76.10 6.03 0.00	53.39 4.00 0.00	45.65 3.22 0.00	40.02 2.93 0.00	36.25 2.40 0.00
MENANDS___115KV_TB5 355628	31.95 0.38 0.00	28.22 0.31 0.00	27.12 0.32 0.00	25.52 0.30 0.00	25.79 0.28 0.00	28.27 0.39 0.00	37.62 0.59 0.00	39.15 0.69 0.00	33.33 0.40 0.00	27.35 0.27 0.00	26.63 0.26 0.00	26.38 0.18 0.00	27.52 0.19 0.00	29.51 0.24 0.15	31.94 0.41 0.18	35.53 0.39 0.31	44.14 0.35 0.00	63.70 0.38 0.00	73.60 0.29 0.00	70.15 0.07 0.00	49.58 0.20 0.00	42.76 0.34 0.00	37.43 0.33 0.00	34.09 0.24 0.00
MG INDUSTRY___DRP 24185	32.07 0.51 0.00	28.33 0.42 0.00	27.25 0.46 0.00	25.62 0.40 0.00	25.89 0.38 0.00	28.35 0.47 0.00	37.73 0.70 0.00	39.19 0.73 0.00	33.30 0.36 0.00	27.24 0.16 0.00	26.47 0.11 0.00	26.25 0.05 0.00	27.38 0.05 0.00	29.47 0.12 0.08	31.87 0.25 0.09	35.47 0.18 0.16	43.13 -0.66 0.00	62.43 -0.89 0.00	70.62 -1.10 1.59	68.45 -1.12 0.51	48.64 -0.74 0.00	42.00 -0.42 0.00	36.72 -0.37 0.00	33.44 -0.41 0.00



MID___OSWEGATCHIE_HYD 23849	31.76 0.19 0.00	28.16 0.25 0.00	27.09 0.29 0.00	25.47 0.25 0.00	25.84 0.33 0.00	28.41 0.53 0.00	37.81 0.78 0.00	39.19 0.73 0.00	33.46 0.53 0.00	27.30 0.22 0.00	26.50 0.13 0.00	26.40 0.21 0.00	27.49 0.16 0.00	29.51 0.09 0.00	31.61 -0.10 0.00	35.46 0.00 0.00	44.10 0.31 0.00	64.52 1.20 0.00	75.36 2.05 0.00	72.25 2.17 0.00	50.57 1.19 0.00	43.31 0.89 0.00	37.69 0.59 0.00	34.32 0.47 0.00
MID___RAQUETTE_HYD 23851	31.70 0.13 0.00	28.11 0.20 0.00	27.01 0.21 0.00	25.42 0.20 0.00	25.79 0.28 0.00	28.33 0.45 0.00	37.73 0.70 0.00	39.08 0.62 0.00	33.43 0.49 0.00	27.40 0.32 0.00	26.63 0.26 0.00	26.59 0.39 0.00	27.66 0.33 0.00	29.66 0.24 0.00	31.87 0.16 0.00	35.74 0.28 0.00	44.45 0.66 0.00	65.03 1.71 0.00	75.80 2.49 0.00	72.67 2.59 0.00	50.87 1.48 0.00	43.48 1.06 0.00	37.80 0.70 0.00	34.36 0.51 0.00
MILLIKEN___1 23584	32.07 0.51 0.00	28.36 0.45 0.00	27.20 0.40 0.00	25.57 0.35 0.00	25.84 0.33 0.00	28.19 0.31 0.00	37.33 0.30 0.00	38.73 0.27 0.00	33.20 0.26 0.00	27.27 0.19 0.00	26.50 0.13 0.00	26.33 0.13 0.00	27.49 0.16 0.00	29.60 0.18 0.00	31.87 0.16 0.00	35.78 0.32 0.00	44.36 0.57 0.00	64.21 0.89 0.00	74.70 1.39 0.00	71.41 1.33 0.00	50.32 0.94 0.00	42.98 0.55 0.00	37.58 0.48 0.00	34.39 0.54 0.00
MILLIKEN___2 23585	32.07 0.51 0.00	28.36 0.45 0.00	27.20 0.40 0.00	25.57 0.35 0.00	25.84 0.33 0.00	28.19 0.31 0.00	37.33 0.30 0.00	38.73 0.27 0.00	33.20 0.26 0.00	27.27 0.19 0.00	26.50 0.13 0.00	26.33 0.13 0.00	27.49 0.16 0.00	29.60 0.18 0.00	31.87 0.16 0.00	35.78 0.32 0.00	44.36 0.57 0.00	64.21 0.89 0.00	74.70 1.39 0.00	71.41 1.33 0.00	50.32 0.94 0.00	42.98 0.55 0.00	37.58 0.48 0.00	34.39 0.54 0.00
MILLIKEN___DIESEL 23629	32.07 0.51 0.00	28.36 0.45 0.00	27.20 0.40 0.00	25.57 0.35 0.00	25.84 0.33 0.00	28.19 0.31 0.00	37.33 0.30 0.00	38.73 0.27 0.00	33.20 0.26 0.00	27.27 0.19 0.00	26.50 0.13 0.00	26.33 0.13 0.00	27.49 0.16 0.00	29.60 0.18 0.00	31.87 0.16 0.00	35.78 0.32 0.00	44.36 0.57 0.00	64.21 0.89 0.00	74.70 1.39 0.00	71.41 1.33 0.00	50.32 0.94 0.00	42.98 0.55 0.00	37.58 0.48 0.00	34.39 0.54 0.00
MILLSEAT___LFGE 323607	32.01 0.44 0.00	27.97 0.06 0.00	27.12 0.32 0.00	25.52 0.30 0.00	25.74 0.23 0.00	27.60 -0.28 0.00	35.62 -1.41 0.00	36.31 -2.15 0.00	31.68 -1.25 0.00	26.64 -0.43 0.00	26.08 -0.29 0.00	25.93 -0.26 0.00	27.19 -0.14 0.00	29.34 -0.09 0.00	31.36 -0.35 0.00	34.71 -0.75 0.00	42.96 -0.83 0.00	61.04 -2.28 0.00	71.18 -2.13 0.00	67.98 -2.10 0.00	48.15 -1.23 0.00	40.52 -1.91 0.00	35.90 -1.19 0.00	33.82 -0.03 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	32.52 0.95 0.00	28.75 0.84 0.00	27.55 0.75 0.00	25.90 0.68 0.00	26.20 0.69 0.00	28.74 0.86 0.00	38.22 1.18 0.00	39.92 1.46 0.00	34.25 1.32 0.00	28.22 1.14 0.00	27.58 1.21 0.00	27.40 1.20 0.00	28.61 1.28 0.00	31.05 1.41 -0.22	33.62 1.65 -0.26	37.87 1.95 -0.46	45.67 1.88 0.00	65.54 2.22 0.00	75.65 2.35 0.00	71.83 1.75 0.00	50.67 1.28 0.00	43.99 1.57 0.00	38.58 1.48 0.00	35.20 1.35 0.00
MILLWOOD_13_KV_LOAD 356217	32.55 0.98 0.00	28.80 0.89 0.00	27.60 0.80 0.00	25.95 0.73 0.00	26.25 0.74 0.00	28.77 0.89 0.00	38.25 1.22 0.00	40.00 1.54 0.00	34.32 1.38 0.00	28.24 1.16 0.00	27.63 1.27 0.00	27.43 1.23 0.00	28.67 1.34 0.00	31.11 1.47 -0.22	33.68 1.71 -0.26	37.94 2.02 -0.46	45.80 2.01 0.00	65.73 2.41 0.00	75.80 2.49 0.00	72.04 1.96 0.00	50.77 1.38 0.00	44.08 1.65 0.00	38.65 1.56 0.00	35.24 1.39 0.00
MODEL_CITY_ENERGY 24167	31.54 -0.03 0.00	27.41 -0.50 0.00	26.72 -0.08 0.00	25.01 -0.20 0.00	25.36 -0.15 0.00	27.07 -0.81 0.00	34.66 -2.37 0.00	35.15 -3.31 0.00	30.83 -2.11 0.00	26.02 -1.06 0.00	25.47 -0.90 0.00	25.38 -0.81 0.00	26.59 -0.74 0.00	28.72 -0.71 0.00	30.69 -1.02 0.00	33.83 -1.63 0.00	41.69 -2.10 0.00	58.89 -4.43 0.00	68.40 -4.91 0.00	65.31 -4.77 0.00	46.37 -3.01 0.00	39.07 -3.35 0.00	34.76 -2.34 0.00	33.07 -0.78 0.00
MODERN_LFGE___ 323580	31.54 -0.03 0.00	27.41 -0.50 0.00	26.72 -0.08 0.00	25.01 -0.20 0.00	25.36 -0.15 0.00	27.07 -0.81 0.00	34.66 -2.37 0.00	35.15 -3.31 0.00	30.83 -2.11 0.00	26.02 -1.06 0.00	25.47 -0.90 0.00	25.38 -0.81 0.00	26.59 -0.74 0.00	28.72 -0.71 0.00	30.69 -1.02 0.00	33.83 -1.63 0.00	41.69 -2.10 0.00	58.89 -4.43 0.00	68.40 -4.91 0.00	65.31 -4.77 0.00	46.37 -3.01 0.00	39.07 -3.35 0.00	34.76 -2.34 0.00	33.07 -0.78 0.00
MOHAWK_PAPER___DRP 24187	32.11 0.54 0.00	28.36 0.45 0.00	27.25 0.46 0.00	25.65 0.43 0.00	25.92 0.41 0.00	28.41 0.53 0.00	37.81 0.78 0.00	39.34 0.88 0.00	33.46 0.53 0.00	27.43 0.35 0.00	26.68 0.32 0.00	26.46 0.26 0.00	27.57 0.25 0.00	29.60 0.32 0.15	32.01 0.48 0.18	35.68 0.53 0.31	44.40 0.61 0.00	64.14 0.82 0.00	74.11 0.81 0.00	70.71 0.63 0.00	49.93 0.54 0.00	43.06 0.64 0.00	37.65 0.56 0.00	34.29 0.44 0.00
MOHICAN___35_KV_115KV_LD 80490	32.58 1.01 0.00	28.75 0.84 0.00	27.71 0.91 0.00	26.07 0.86 0.00	26.30 0.79 0.00	28.80 0.92 0.00	38.33 1.30 0.00	39.73 1.27 0.00	33.73 0.79 0.00	27.49 0.41 0.00	26.55 0.18 0.00	26.22 0.03 0.00	27.33 0.00 0.00	29.33 0.06 0.15	31.78 0.25 0.18	35.60 0.46 0.32	44.88 1.09 0.00	65.28 1.96 0.00	75.95 2.64 0.00	72.53 2.45 0.00	51.02 1.63 0.00	43.78 1.36 0.00	38.39 1.30 0.00	34.80 0.95 0.00
MONGAUP___HYD 23641	32.52 0.95 0.00	28.78 0.87 0.00	27.60 0.80 0.00	25.87 0.65 0.00	26.22 0.71 0.00	28.71 0.84 0.00	38.22 1.18 0.00	39.84 1.38 0.00	34.06 1.12 0.00	27.92 0.84 0.00	27.21 0.84 0.00	26.98 0.79 0.00	28.18 0.85 0.00	30.53 0.91 -0.19	33.12 1.17 -0.23	37.40 1.52 -0.41	45.49 1.71 0.00	65.86 2.54 0.00	76.16 2.86 0.00	72.32 2.24 0.00	51.01 1.63 0.00	44.16 1.74 0.00	38.65 1.56 0.00	35.17 1.32 0.00
MONTAUK___DIESEL 23721	31.82 0.25 0.00	27.85 -0.06 0.00	26.49 -0.19 0.12	25.02 -0.20 0.00	25.33 -0.18 0.00	27.73 -0.03 0.12	36.95 -0.07 0.01	38.91 0.46 0.01	33.76 0.82 0.00	27.84 0.76 0.00	27.82 1.45 0.00	27.56 1.36 0.00	28.91 1.58 0.00	31.50 1.85 -0.22	34.36 2.38 -0.27	38.70 2.77 -0.47	45.54 1.75 0.00	64.33 1.01 0.01	74.40 1.10 0.01	70.98 0.91 0.01	50.18 0.79 0.00	44.21 1.78 0.00	39.21 2.11 0.00	35.61 1.76 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	31.95 0.38 0.00	28.05 0.14 0.00	26.83 0.03 0.00	25.29 0.08 0.00	25.48 -0.03 0.00	27.46 -0.42 0.00	35.96 -1.07 0.00	36.77 -1.69 0.00	32.11 -0.82 0.00	27.13 0.05 0.00	26.63 0.26 0.00	26.56 0.37 0.00	27.82 0.49 0.00	30.01 0.59 0.00	31.96 0.25 0.00	35.60 0.14 0.00	44.23 0.44 0.00	62.56 -0.76 0.00	72.94 -0.37 0.00	69.38 -0.70 0.00	48.84 -0.54 0.00	40.94 -1.48 0.00	36.31 -0.78 0.00	33.75 -0.10 0.00



MORRIS RIDGE___SOLAR 323848	31.70 0.13 0.00	27.97 0.06 0.00	26.88 0.08 0.00	25.40 0.18 0.00	25.54 0.03 0.00	27.60 -0.28 0.00	36.03 -1.00 0.00	36.96 -1.50 0.00	31.92 -1.02 0.00	26.56 -0.52 0.00	25.89 -0.47 0.00	25.72 -0.47 0.00	26.94 -0.38 0.00	29.07 -0.35 0.00	31.17 -0.54 0.00	34.57 -0.89 0.00	42.87 -0.92 0.00	61.48 -1.84 0.00	72.06 -1.25 0.00	68.74 -1.33 0.00	48.50 -0.89 0.00	40.98 -1.44 0.00	36.17 -0.93 0.00	33.68 -0.17 0.00
MORTIMER_115KV_TB3 55949	31.63 0.06 0.00	27.88 -0.03 0.00	26.75 -0.05 0.00	25.22 0.00 0.00	25.38 -0.13 0.00	27.49 -0.39 0.00	36.22 -0.81 0.00	37.27 -1.19 0.00	32.28 -0.66 0.00	26.84 -0.24 0.00	26.24 -0.13 0.00	26.06 -0.13 0.00	27.30 -0.03 0.00	29.39 -0.03 0.00	31.42 -0.29 0.00	35.07 -0.39 0.00	43.44 -0.35 0.00	62.31 -1.01 0.00	72.35 -0.95 0.00	69.24 -0.84 0.00	48.89 -0.49 0.00	41.49 -0.93 0.00	36.50 -0.59 0.00	33.68 -0.17 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	32.77 1.20 0.00	28.97 1.06 0.00	27.76 0.96 0.00	26.10 0.88 0.00	26.38 0.87 0.00	28.94 1.06 0.00	38.44 1.41 0.00	40.15 1.69 0.00	34.55 1.61 0.00	28.46 1.38 0.00	27.84 1.48 0.00	27.66 1.47 0.00	28.88 1.56 0.00	31.38 1.74 -0.22	33.97 2.00 -0.26	38.23 2.30 -0.47	45.98 2.19 0.00	65.98 2.66 0.00	76.09 2.79 0.00	72.25 2.17 0.00	50.92 1.53 0.00	44.29 1.87 0.00	38.95 1.85 0.00	35.51 1.66 0.00
MUNSVILLE_WIND_PWR 323609	33.34 1.77 0.00	29.53 1.62 0.00	28.46 1.66 0.00	26.68 1.46 0.00	27.09 1.58 0.00	29.58 1.70 0.00	39.10 2.07 0.00	40.57 2.11 0.00	34.62 1.68 0.00	28.00 0.92 0.00	27.08 0.71 0.00	26.93 0.73 0.00	28.09 0.76 0.00	30.10 0.65 -0.03	32.51 0.76 -0.04	36.91 1.38 -0.07	46.11 2.32 0.00	67.43 4.11 0.00	79.32 6.01 0.00	76.25 6.17 0.00	53.29 3.90 0.00	45.31 2.89 0.00	39.39 2.30 0.00	35.95 2.10 0.00
N SALMON___HYD 24042	31.57 0.00 0.00	28.08 0.17 0.00	27.01 0.21 0.00	25.47 0.25 0.00	25.84 0.33 0.00	28.49 0.61 0.00	38.07 1.04 0.00	39.42 0.96 0.00	33.83 0.89 0.00	27.92 0.84 0.00	27.13 0.77 0.00	27.19 1.00 0.00	28.23 0.90 0.00	30.25 0.82 0.00	32.47 0.76 0.00	36.45 0.99 0.00	45.41 1.62 0.00	66.74 3.42 0.00	77.71 4.40 0.00	74.50 4.42 0.00	52.05 2.66 0.00	44.33 1.91 0.00	38.43 1.33 0.00	34.86 1.01 0.00
N.AKRON__115KV_KNAPP 355671	31.98 0.41 0.00	27.91 0.00 0.00	26.77 -0.03 0.00	25.27 0.05 0.00	25.38 -0.13 0.00	27.38 -0.50 0.00	35.51 -1.52 0.00	36.19 -2.27 0.00	31.62 -1.32 0.00	26.56 -0.51 0.00	26.05 -0.32 0.00	25.91 -0.29 0.00	27.16 -0.16 0.00	29.28 -0.15 0.00	31.11 -0.60 0.00	34.68 -0.78 0.00	42.87 -0.92 0.00	60.91 -2.41 0.00	70.96 -2.35 0.00	67.77 -2.31 0.00	48.00 -1.38 0.00	40.39 -2.04 0.00	35.83 -1.26 0.00	33.68 -0.17 0.00
N.E_GEN_SANDY PD 24062	32.20 0.63 0.00	28.44 0.53 0.00	27.28 0.48 0.00	25.65 0.43 0.00	25.97 0.46 0.00	28.49 0.61 0.00	38.03 1.00 0.00	40.38 1.19 -0.73	33.00 0.79 0.73	27.67 0.59 0.00	27.00 0.63 0.00	26.75 0.55 0.00	27.90 0.57 0.00	28.97 0.65 1.10	31.20 0.82 1.33	34.10 0.99 2.35	44.84 1.05 0.00	64.59 1.27 0.00	74.41 1.10 0.00	70.92 0.84 0.00	50.17 0.79 0.00	43.40 0.98 0.00	37.95 0.85 0.00	34.56 0.71 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	32.48 0.92 0.00	28.72 0.81 0.00	27.52 0.72 0.00	25.87 0.66 0.00	26.20 0.69 0.00	28.74 0.86 0.00	38.18 1.15 0.00	39.92 1.46 0.00	34.22 1.28 0.00	28.19 1.11 0.00	27.55 1.19 0.00	27.35 1.15 0.00	28.58 1.26 0.00	30.99 1.35 -0.21	33.55 1.59 -0.25	37.82 1.91 -0.45	45.67 1.88 0.00	65.60 2.28 0.00	75.73 2.42 0.00	71.83 1.75 0.00	50.62 1.23 0.00	43.95 1.53 0.00	38.58 1.48 0.00	35.17 1.32 0.00
N.QUEENS_27_KV_LOAD 356247	33.16 1.58 -0.01	29.23 1.31 -0.01	27.99 1.18 -0.01	26.31 1.08 -0.01	26.62 1.10 -0.01	29.13 1.25 0.00	38.44 1.41 0.00	40.08 1.62 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.10 2.12 -0.26	38.37 2.45 -0.47	45.89 2.10 0.00	65.73 2.41 0.00	75.80 2.49 0.00	72.04 1.96 0.00	50.77 1.38 0.00	44.25 1.82 0.00	39.25 2.15 -0.01	35.75 1.90 -0.01
N.TROY___115KV_TB1 355778	32.33 0.76 0.00	28.55 0.64 0.00	27.42 0.62 0.00	25.80 0.58 0.00	26.07 0.56 0.00	28.60 0.72 0.00	38.10 1.07 0.00	39.61 1.15 0.00	33.69 0.76 0.00	27.59 0.51 0.00	26.84 0.47 0.00	26.56 0.37 0.00	27.71 0.38 0.00	29.67 0.44 0.20	32.11 0.63 0.24	35.79 0.74 0.42	44.80 1.01 0.00	64.71 1.39 0.00	74.77 1.47 0.00	71.34 1.26 0.00	50.37 0.99 0.00	43.44 1.02 0.00	38.02 0.93 0.00	34.59 0.74 0.00
NARROWS_GT1_1 24228	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
NARROWS_GT1_2 24229	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
NARROWS_GT1_3 24230	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
NARROWS_GT1_4 24231	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
NARROWS_GT1_5 24232	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01



NARROWS_GT1_6 24233	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
NARROWS_GT1_7 24234	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
NARROWS_GT1_8 24235	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
NARROWS_GT2_1 24236	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
NARROWS_GT2_2 24237	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
NARROWS_GT2_3 24238	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
NARROWS_GT2_4 24239	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
NARROWS_GT2_5 24240	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
NARROWS_GT2_6 24241	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
NARROWS_GT2_7 24242	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
NARROWS_GT2_8 24243	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	32.33 0.76 0.00	28.58 0.67 0.00	27.50 0.70 0.00	25.85 0.63 0.00	26.10 0.59 0.00	28.58 0.70 0.00	38.03 1.00 0.00	39.50 1.04 0.00	33.46 0.53 0.00	27.27 0.19 0.00	26.39 0.03 0.00	26.14 -0.05 0.00	27.27 -0.05 0.00	29.61 0.24 0.05	32.13 0.48 0.06	35.86 0.50 0.10	44.05 0.26 0.00	64.08 0.76 0.00	72.52 1.69 2.47	70.69 1.40 0.79	50.08 0.69 0.00	43.14 0.72 0.00	37.65 0.56 0.00	34.22 0.37 0.00
NCHELSEA_115KV_TR2 355582	32.58 1.01 0.00	28.83 0.92 0.00	27.66 0.86 0.00	25.97 0.76 0.00	26.28 0.77 0.00	28.80 0.92 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.22 1.28 0.00	28.14 1.06 0.00	27.42 1.05 0.00	27.22 1.02 0.00	28.42 1.09 0.00	30.84 1.21 -0.21	33.45 1.49 -0.25	37.71 1.81 -0.44	45.72 1.93 0.00	65.85 2.53 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.97 1.58 0.00	44.21 1.78 0.00	38.65 1.56 0.00	35.20 1.35 0.00
NEG CAPITAL____MECHNVIL 23645	32.64 1.07 0.00	28.83 0.92 0.00	27.71 0.91 0.00	26.08 0.86 0.00	26.33 0.82 0.00	28.85 0.98 0.00	38.44 1.41 0.00	39.88 1.42 0.00	33.92 0.99 0.00	27.70 0.62 0.00	26.87 0.50 0.00	26.56 0.37 0.00	27.68 0.35 0.00	29.70 0.44 0.17	32.11 0.60 0.20	35.95 0.85 0.36	45.15 1.36 0.00	65.47 2.15 0.00	75.87 2.56 0.00	72.46 2.38 0.00	51.07 1.68 0.00	43.91 1.48 0.00	38.47 1.37 0.00	34.93 1.08 0.00
NEG CENTRAL_HIGH_ACRES 23767	31.03 -0.54 0.00	27.38 -0.53 0.00	26.29 -0.51 0.00	24.84 -0.38 0.00	24.97 -0.54 0.00	27.13 -0.75 0.00	35.70 -1.33 0.00	36.85 -1.61 0.00	31.82 -1.12 0.00	26.40 -0.68 0.00	25.76 -0.61 0.00	25.59 -0.60 0.00	26.78 -0.55 0.00	28.86 -0.56 0.00	30.98 -0.73 0.00	34.54 -0.92 0.00	42.78 -1.01 0.00	61.48 -1.84 0.00	71.48 -1.83 0.00	68.33 -1.75 0.00	48.25 -1.13 0.00	40.98 -1.44 0.00	35.98 -1.11 0.00	33.14 -0.71 0.00



NEG CENTRAL___DRP 24199	31.82 0.25 0.00	28.11 0.20 0.00	26.96 0.16 0.00	25.34 0.13 0.00	25.59 0.08 0.00	27.85 -0.03 0.00	36.88 -0.15 0.00	38.11 -0.35 0.00	32.80 -0.13 0.00	27.05 -0.03 0.00	26.32 -0.05 0.00	26.14 -0.05 0.00	27.33 0.00 0.00	29.45 0.03 0.00	31.61 -0.10 0.00	35.42 -0.04 0.00	43.88 0.09 0.00	63.32 0.00 0.00	73.75 0.44 0.00	70.50 0.42 0.00	49.68 0.30 0.00	42.30 -0.13 0.00	37.09 0.00 0.00	34.05 0.20 0.00
NEG CENTRAL___INDECK 23768	32.58 1.01 0.00	28.72 0.81 0.00	27.60 0.80 0.00	26.08 0.86 0.00	26.20 0.69 0.00	28.41 0.53 0.00	37.29 0.26 0.00	38.38 -0.08 0.00	33.04 0.10 0.00	27.35 0.27 0.00	26.53 0.16 0.00	26.33 0.13 0.00	27.57 0.25 0.00	29.72 0.29 0.00	31.90 0.19 0.00	35.64 0.18 0.00	44.49 0.70 0.00	64.27 0.95 0.00	75.43 2.13 0.00	72.18 2.10 0.00	50.87 1.48 0.00	42.93 0.51 0.00	37.68 0.59 0.00	34.86 1.01 0.00
NEG CENTRAL___SENECA 23627	31.95 0.38 0.00	28.19 0.28 0.00	27.04 0.24 0.00	25.44 0.23 0.00	25.66 0.15 0.00	27.91 0.03 0.00	36.88 -0.15 0.00	38.04 -0.42 0.00	32.84 -0.10 0.00	27.11 0.03 0.00	26.37 0.00 0.00	26.19 0.00 0.00	27.38 0.05 0.00	29.54 0.12 0.00	31.68 -0.03 0.00	35.53 0.07 0.00	43.96 0.18 0.00	63.45 0.13 0.00	73.97 0.66 0.00	70.64 0.56 0.00	49.78 0.40 0.00	42.25 -0.17 0.00	37.17 0.07 0.00	34.15 0.30 0.00
NEG CENTRAL___STATE_STREET 24147	31.76 0.19 0.00	28.08 0.17 0.00	26.93 0.13 0.00	25.32 0.10 0.00	25.59 0.08 0.00	27.88 0.00 0.00	36.96 -0.07 0.00	38.31 -0.15 0.00	32.87 -0.07 0.00	27.05 -0.03 0.00	26.32 -0.05 0.00	26.14 -0.05 0.00	27.30 -0.03 0.00	29.42 0.00 0.00	31.65 -0.06 0.00	35.46 0.00 0.00	43.96 0.18 0.00	63.57 0.25 0.00	73.89 0.59 0.00	70.71 0.63 0.00	49.83 0.44 0.00	42.51 0.08 0.00	37.17 0.07 0.00	34.02 0.17 0.00
NEG MILLWOOD___DRP 24198	32.61 1.04 0.00	28.92 1.00 0.00	27.71 0.91 0.00	26.05 0.83 0.00	26.33 0.82 0.00	28.88 1.00 0.00	38.44 1.41 0.00	40.11 1.65 0.00	34.39 1.45 0.00	28.27 1.19 0.00	27.61 1.24 0.00	27.40 1.20 0.00	28.64 1.31 0.00	31.08 1.44 -0.22	33.68 1.71 -0.26	37.98 2.06 -0.46	45.98 2.19 0.00	66.11 2.79 0.00	76.24 2.93 0.00	72.53 2.45 0.00	51.11 1.73 0.00	44.33 1.91 0.00	38.76 1.67 0.00	35.27 1.42 0.00
NEG NORTH_FLCN_SEA 23793	31.32 -0.25 0.00	27.91 0.00 0.00	26.91 0.11 0.00	25.44 0.23 0.00	25.89 0.38 0.00	28.55 0.67 0.00	38.22 1.18 0.00	39.65 1.19 0.00	34.12 1.16 0.00	28.24 1.16 0.00	27.50 1.13 0.00	27.53 1.34 0.00	28.58 1.26 0.00	30.66 1.24 0.00	32.95 1.24 0.00	36.95 1.49 0.00	46.07 2.28 0.00	67.56 4.24 0.00	78.66 5.35 0.00	75.33 5.26 0.00	52.65 3.26 0.00	44.80 2.38 0.00	38.84 1.74 0.00	35.20 1.35 0.00
NEG NORTH_KES_CHATEGAY 23792	31.19 -0.38 0.00	27.74 -0.17 0.00	26.69 -0.11 0.00	25.22 0.00 0.00	25.64 0.13 0.00	28.21 0.33 0.00	37.70 0.67 0.00	39.11 0.65 0.00	33.60 0.66 0.00	27.73 0.65 0.00	27.00 0.63 0.00	26.98 0.79 0.00	28.07 0.74 0.00	30.10 0.68 0.00	32.37 0.67 0.00	36.31 0.85 0.00	45.15 1.36 0.00	66.11 2.79 0.00	76.90 3.59 0.00	73.58 3.50 0.00	51.51 2.12 0.00	43.95 1.53 0.00	38.13 1.04 0.00	34.63 0.78 0.00
NEG NORTH___ALICE_FALLS 23915	31.38 -0.19 0.00	27.97 0.06 0.00	26.93 0.13 0.00	25.47 0.25 0.00	25.92 0.41 0.00	28.58 0.70 0.00	38.25 1.22 0.00	39.65 1.19 0.00	34.09 1.15 0.00	28.22 1.14 0.00	27.45 1.08 0.00	27.50 1.31 0.00	28.56 1.23 0.00	30.60 1.18 0.00	32.88 1.17 0.00	36.91 1.45 0.00	46.02 2.23 0.00	67.63 4.31 0.00	78.73 5.42 0.00	75.40 5.33 0.00	52.69 3.31 0.00	44.80 2.38 0.00	38.84 1.74 0.00	35.20 1.35 0.00
NEG NORTH___LWR_SARANAC 23913	31.38 -0.19 0.00	27.97 0.06 0.00	26.93 0.13 0.00	25.47 0.25 0.00	25.92 0.41 0.00	28.58 0.70 0.00	38.25 1.22 0.00	39.65 1.19 0.00	34.09 1.15 0.00	28.22 1.14 0.00	27.45 1.08 0.00	27.50 1.31 0.00	28.56 1.23 0.00	30.60 1.18 0.00	32.88 1.17 0.00	36.91 1.45 0.00	46.02 2.23 0.00	67.63 4.31 0.00	78.73 5.42 0.00	75.40 5.33 0.00	52.69 3.31 0.00	44.80 2.38 0.00	38.84 1.74 0.00	35.20 1.35 0.00
NEG NORTH___PLATTSBURG 23628	31.38 -0.19 0.00	27.97 0.06 0.00	26.93 0.13 0.00	25.47 0.25 0.00	25.87 0.36 0.00	28.58 0.70 0.00	38.25 1.22 0.00	39.65 1.19 0.00	34.09 1.15 0.00	28.22 1.14 0.00	27.45 1.08 0.00	27.50 1.31 0.00	28.56 1.23 0.00	30.60 1.18 0.00	32.88 1.17 0.00	36.91 1.45 0.00	46.02 2.23 0.00	67.63 4.31 0.00	78.73 5.42 0.00	75.40 5.32 0.00	52.69 3.31 0.00	44.80 2.37 0.00	38.84 1.74 0.00	35.20 1.36 0.00
NEG WEST_LEA_LOCKPORT 23791	31.60 0.03 0.00	27.60 -0.31 0.00	26.48 -0.32 0.00	24.99 -0.23 0.00	25.10 -0.41 0.00	27.02 -0.86 0.00	34.96 -2.07 0.00	35.54 -2.92 0.00	31.12 -1.81 0.00	26.21 -0.87 0.00	25.71 -0.66 0.00	25.59 -0.60 0.00	26.84 -0.49 0.00	28.95 -0.47 0.00	30.73 -0.98 0.00	34.15 -1.31 0.00	42.12 -1.66 0.00	59.65 -3.67 0.00	69.28 -4.03 0.00	66.15 -3.92 0.00	46.92 -2.47 0.00	39.50 -2.93 0.00	35.16 -1.93 0.00	33.14 -0.71 0.00
NEG WEST___LANCASTR 23811	31.22 -0.35 0.00	27.44 -0.47 0.00	26.32 -0.48 0.00	24.84 -0.38 0.00	24.97 -0.54 0.00	26.96 -0.92 0.00	35.18 -1.85 0.00	36.00 -2.46 0.00	31.39 -1.55 0.00	26.40 -0.68 0.00	25.87 -0.50 0.00	25.78 -0.42 0.00	27.00 -0.33 0.00	29.10 -0.32 0.00	30.95 -0.76 0.00	34.50 -0.96 0.00	42.78 -1.01 0.00	60.60 -2.72 0.00	70.59 -2.71 0.00	67.13 -2.94 0.00	47.31 -2.07 0.00	39.84 -2.59 0.00	35.35 -1.74 0.00	32.97 -0.88 0.00
NEG_PENN_ALLEGHNY 23528	31.88 0.32 0.00	28.16 0.25 0.00	27.04 0.24 0.00	25.47 0.25 0.00	25.71 0.20 0.00	28.02 0.14 0.00	37.03 0.00 0.00	38.42 -0.04 0.00	33.00 0.07 0.00	27.24 0.16 0.00	26.53 0.16 0.00	26.35 0.16 0.00	27.52 0.19 0.00	29.69 0.23 -0.03	31.97 0.22 -0.04	35.78 0.25 -0.07	44.18 0.39 0.00	63.57 0.25 0.00	73.82 0.52 0.00	70.43 0.35 0.00	49.63 0.25 0.00	42.42 0.00 0.00	37.20 0.11 0.00	34.15 0.30 0.00
NEG___GEN_MONROE 24207	31.79 0.22 0.00	27.99 0.08 0.00	26.88 0.08 0.00	25.34 0.13 0.00	25.51 0.00 0.00	27.60 -0.28 0.00	36.25 -0.78 0.00	37.19 -1.27 0.00	32.21 -0.72 0.00	26.84 -0.24 0.00	26.21 -0.16 0.00	26.04 -0.16 0.00	27.27 -0.05 0.00	29.36 -0.06 0.00	31.39 -0.32 0.00	35.00 -0.46 0.00	43.31 -0.48 0.00	62.05 -1.27 0.00	72.21 -1.10 0.00	69.03 -1.05 0.00	48.79 -0.59 0.00	41.32 -1.10 0.00	36.46 -0.63 0.00	33.78 -0.07 0.00
NEPA___ENERGY 23901	31.57 0.00 0.00	27.74 -0.17 0.00	26.61 -0.19 0.00	25.12 -0.10 0.00	25.28 -0.23 0.00	27.27 -0.61 0.00	35.59 -1.44 0.00	36.46 -2.00 0.00	31.78 -1.15 0.00	26.73 -0.35 0.00	26.21 -0.16 0.00	26.09 -0.10 0.00	27.33 0.00 0.00	29.42 0.00 0.00	31.30 -0.41 0.00	34.86 -0.60 0.00	43.31 -0.48 0.00	61.29 -2.03 0.00	71.40 -1.91 0.00	67.84 -2.24 0.00	47.81 -1.58 0.00	40.26 -2.16 0.00	35.72 -1.37 0.00	33.34 -0.51 0.00



NEVERSINK___HYD 23608	32.45 0.88 0.00	28.69 0.78 0.00	27.55 0.75 0.00	25.82 0.60 0.00	26.17 0.66 0.00	28.66 0.78 0.00	38.14 1.11 0.00	39.81 1.35 0.00	34.09 1.15 0.00	27.95 0.87 0.00	27.21 0.84 0.00	27.03 0.84 0.00	28.23 0.90 0.00	30.53 0.94 -0.17	33.11 1.20 -0.20	37.45 1.63 -0.36	45.58 1.80 0.00	65.92 2.60 0.00	76.05 2.94 0.20	72.40 2.38 0.06	51.07 1.68 0.00	44.25 1.82 0.00	38.69 1.59 0.00	35.17 1.32 0.00
NEWKRMKL_115KV_TB1 55635	31.79 0.22 0.00	28.11 0.20 0.00	27.01 0.21 0.00	25.39 0.18 0.00	25.66 0.15 0.00	28.13 0.25 0.00	37.40 0.37 0.00	38.96 0.50 0.00	33.17 0.23 0.00	27.19 0.11 0.00	26.47 0.11 0.00	26.22 0.03 0.00	27.35 0.03 0.00	29.38 0.09 0.13	31.77 0.22 0.16	35.36 0.18 0.28	43.88 0.09 0.00	63.32 0.00 0.00	73.16 -0.15 0.00	69.80 -0.28 0.00	49.29 -0.10 0.00	42.51 0.08 0.00	37.17 0.07 0.00	33.85 0.00 0.00
NEWTON___FALLS_HYD 23847	31.76 0.19 0.00	28.16 0.25 0.00	27.09 0.29 0.00	25.47 0.25 0.00	25.84 0.33 0.00	28.41 0.53 0.00	37.81 0.78 0.00	39.19 0.73 0.00	33.46 0.53 0.00	27.30 0.22 0.00	26.50 0.13 0.00	26.40 0.21 0.00	27.49 0.16 0.00	29.51 0.09 0.00	31.61 -0.10 0.00	35.46 0.00 0.00	44.10 0.31 0.00	64.52 1.20 0.00	75.36 2.05 0.00	72.25 2.17 0.00	50.57 1.19 0.00	43.31 0.89 0.00	37.69 0.59 0.00	34.32 0.47 0.00
NGRID_A1_DSASP 323792	30.84 -0.72 0.00	27.72 -0.19 0.00	26.18 -0.62 0.00	25.32 0.10 0.00	24.85 -0.66 0.00	26.60 -1.28 0.00	34.40 -2.63 0.00	34.84 -3.62 0.00	30.60 -2.34 0.00	25.86 -1.22 0.00	25.34 -1.03 0.00	25.23 -0.97 0.00	26.43 -0.90 0.00	28.54 -0.88 0.00	30.47 -1.24 0.00	33.58 -1.88 0.00	41.29 -2.49 0.00	58.25 -5.07 0.00	67.59 -5.72 0.00	64.54 -5.54 0.00	45.93 -3.46 0.00	38.69 -3.73 0.00	34.46 -2.63 0.00	32.36 -1.49 0.00
NGRID_A2_DSASP 323793	30.84 -0.72 0.00	27.72 -0.19 0.00	26.18 -0.62 0.00	25.32 0.10 0.00	24.85 -0.66 0.00	26.60 -1.28 0.00	34.40 -2.63 0.00	34.84 -3.62 0.00	30.60 -2.34 0.00	25.86 -1.22 0.00	25.34 -1.03 0.00	25.23 -0.97 0.00	26.43 -0.90 0.00	28.54 -0.88 0.00	30.47 -1.24 0.00	33.58 -1.88 0.00	41.29 -2.49 0.00	58.25 -5.07 0.00	67.59 -5.72 0.00	64.54 -5.54 0.00	45.93 -3.46 0.00	38.69 -3.73 0.00	34.46 -2.63 0.00	32.36 -1.49 0.00
NGRID_A4_DSASP 323807	30.84 -0.72 0.00	27.72 -0.19 0.00	26.18 -0.62 0.00	25.32 0.10 0.00	24.85 -0.66 0.00	26.60 -1.28 0.00	34.40 -2.63 0.00	34.84 -3.62 0.00	30.60 -2.34 0.00	25.86 -1.22 0.00	25.34 -1.03 0.00	25.23 -0.97 0.00	26.43 -0.90 0.00	28.54 -0.88 0.00	30.47 -1.24 0.00	33.58 -1.88 0.00	41.29 -2.49 0.00	58.25 -5.07 0.00	67.59 -5.72 0.00	64.54 -5.54 0.00	45.93 -3.46 0.00	38.69 -3.73 0.00	34.46 -2.63 0.00	32.36 -1.49 0.00
NIAGARA_115E_LBMP 323715	31.47 -0.09 0.00	27.30 -0.61 0.00	26.67 -0.13 0.00	24.92 -0.30 0.00	25.31 -0.20 0.00	26.99 -0.89 0.00	34.48 -2.55 0.00	34.96 -3.50 0.00	30.66 -2.27 0.00	25.89 -1.19 0.00	25.37 -1.00 0.00	25.25 -0.94 0.00	26.45 -0.88 0.00	28.60 -0.82 0.00	30.54 -1.17 0.00	33.65 -1.81 0.00	41.42 -2.37 0.00	58.45 -4.87 0.00	67.96 -5.35 0.00	64.89 -5.18 0.00	46.08 -3.31 0.00	38.82 -3.61 0.00	34.57 -2.52 0.00	32.97 -0.88 0.00
NIAGARA_115W_LBMP 323714	30.75 -0.82 0.00	27.69 -0.22 0.00	26.13 -0.67 0.00	25.29 0.08 0.00	24.80 -0.71 0.00	26.54 -1.34 0.00	34.33 -2.70 0.00	34.77 -3.69 0.00	30.53 -2.40 0.00	25.78 -1.30 0.00	25.26 -1.11 0.00	25.15 -1.05 0.00	26.37 -0.96 0.00	28.48 -0.94 0.00	30.41 -1.30 0.00	33.47 -1.99 0.00	41.16 -2.63 0.00	58.07 -5.25 0.00	67.44 -5.87 0.00	64.40 -5.67 0.00	45.78 -3.60 0.00	38.56 -3.86 0.00	34.35 -2.74 0.00	32.29 -1.56 0.00
NIAGARA_230_LBMP 323716	31.19 -0.38 0.00	27.55 -0.36 0.00	26.48 -0.32 0.00	25.14 -0.08 0.00	25.13 -0.38 0.00	26.93 -0.95 0.00	34.85 -2.18 0.00	35.35 -3.11 0.00	30.99 -1.94 0.00	26.16 -0.92 0.00	25.63 -0.74 0.00	25.51 -0.68 0.00	26.73 -0.60 0.00	28.86 -0.56 0.00	30.82 -0.89 0.00	33.97 -1.49 0.00	41.78 -2.01 0.00	59.01 -4.31 0.00	68.54 -4.76 0.00	65.38 -4.69 0.00	46.47 -2.91 0.00	39.20 -3.23 0.00	34.90 -2.19 0.00	32.80 -1.05 0.00
NIAGARA___115KV_198_GIBSON 55903	30.75 -0.82 0.00	27.63 -0.28 0.00	26.50 -0.29 0.00	25.02 -0.20 0.00	25.13 -0.38 0.00	26.32 -1.56 0.00	34.29 -2.74 0.00	34.73 -3.73 0.00	30.53 -2.40 0.00	25.73 -1.35 0.00	25.26 -1.11 0.00	25.15 -1.05 0.00	26.37 -0.96 0.00	28.42 -1.00 0.00	30.19 -1.52 0.00	33.47 -1.99 0.00	41.16 -2.63 0.00	58.19 -5.13 0.00	67.44 -5.86 0.00	64.40 -5.68 0.00	45.78 -3.61 0.00	38.56 -3.86 0.00	34.39 -2.71 0.00	32.19 -1.66 0.00
NIAGARA____ 23760	31.19 -0.38 0.00	27.55 -0.36 0.00	26.48 -0.32 0.00	25.14 -0.08 0.00	25.13 -0.38 0.00	26.93 -0.95 0.00	34.85 -2.18 0.00	35.35 -3.11 0.00	30.99 -1.94 0.00	26.16 -0.92 0.00	25.63 -0.74 0.00	25.51 -0.68 0.00	26.73 -0.60 0.00	28.86 -0.56 0.00	30.82 -0.89 0.00	33.97 -1.49 0.00	41.78 -2.01 0.00	59.01 -4.31 0.00	68.54 -4.76 0.00	65.38 -4.69 0.00	46.47 -2.91 0.00	39.20 -3.23 0.00	34.90 -2.19 0.00	32.80 -1.05 0.00
NINE_MILE_1 23575	30.94 -0.63 0.00	27.35 -0.56 0.00	26.26 -0.54 0.00	24.71 -0.50 0.00	24.97 -0.54 0.00	27.21 -0.67 0.00	36.07 -0.96 0.00	37.42 -1.04 0.00	32.08 -0.86 0.00	26.40 -0.68 0.00	25.71 -0.66 0.00	25.54 -0.65 0.00	26.67 -0.66 0.00	28.72 -0.71 0.00	30.92 -0.79 0.00	34.50 -0.96 0.00	42.65 -1.14 0.00	61.55 -1.77 0.00	71.33 -1.98 0.00	68.33 -1.75 0.00	48.20 -1.19 0.00	41.32 -1.10 0.00	36.13 -0.96 0.00	33.04 -0.81 0.00
NINE_MILE_2 23744	30.97 -0.60 0.00	27.35 -0.56 0.00	26.26 -0.54 0.00	24.71 -0.50 0.00	24.97 -0.54 0.00	27.21 -0.67 0.00	36.07 -0.96 0.00	37.42 -1.04 0.00	32.08 -0.86 0.00	26.40 -0.68 0.00	25.71 -0.66 0.00	25.54 -0.65 0.00	26.67 -0.66 0.00	28.72 -0.71 0.00	30.92 -0.79 0.00	34.50 -0.96 0.00	42.65 -1.14 0.00	61.55 -1.77 0.00	71.40 -1.91 0.00	68.33 -1.75 0.00	48.20 -1.19 0.00	41.32 -1.10 0.00	36.13 -0.96 0.00	33.04 -0.81 0.00
NM_CAPITAL___DRP 24208	31.88 0.32 0.00	28.16 0.25 0.00	27.07 0.27 0.00	25.47 0.25 0.00	25.74 0.23 0.00	28.21 0.33 0.00	37.55 0.52 0.00	39.08 0.62 0.00	33.27 0.33 0.00	27.30 0.22 0.00	26.58 0.21 0.00	26.33 0.13 0.00	27.46 0.14 0.00	29.45 0.18 0.14	31.88 0.35 0.18	35.47 0.32 0.31	44.05 0.26 0.00	63.57 0.25 0.00	73.38 0.07 0.00	70.01 -0.07 0.00	49.44 0.05 0.00	42.68 0.25 0.00	37.32 0.22 0.00	33.99 0.14 0.00
NM_CENTRAL___DRP 24181	31.54 -0.03 0.00	27.85 -0.06 0.00	26.75 -0.05 0.00	25.14 -0.08 0.00	25.41 -0.10 0.00	27.68 -0.20 0.00	36.70 -0.33 0.00	38.08 -0.38 0.00	32.67 -0.26 0.00	26.89 -0.19 0.00	26.16 -0.21 0.00	25.98 -0.21 0.00	27.14 -0.19 0.00	29.25 -0.18 0.00	31.49 -0.22 0.00	35.14 -0.32 0.00	43.39 -0.39 0.00	62.69 -0.63 0.00	72.72 -0.59 0.00	69.59 -0.49 0.00	49.09 -0.30 0.00	42.00 -0.42 0.00	36.72 -0.37 0.00	33.61 -0.24 0.00



NM_FRONTIER___DRP 24179	30.75 -0.82 0.00	27.63 -0.28 0.00	26.50 -0.29 0.00	25.02 -0.20 0.00	25.13 -0.38 0.00	26.32 -1.56 0.00	34.29 -2.74 0.00	34.73 -3.73 0.00	30.53 -2.40 0.00	25.73 -1.35 0.00	25.26 -1.11 0.00	25.15 -1.05 0.00	26.37 -0.96 0.00	28.42 -1.00 0.00	30.19 -1.52 0.00	33.47 -1.99 0.00	41.16 -2.63 0.00	58.19 -5.13 0.00	67.44 -5.86 0.00	64.40 -5.68 0.00	45.78 -3.61 0.00	38.56 -3.86 0.00	34.39 -2.71 0.00	32.19 -1.66 0.00
NM_ST_REGIS___HYD 24053	31.66 0.09 0.00	28.11 0.20 0.00	27.01 0.21 0.00	25.44 0.23 0.00	25.82 0.31 0.00	28.38 0.50 0.00	37.85 0.81 0.00	39.19 0.73 0.00	33.56 0.63 0.00	27.54 0.46 0.00	26.76 0.40 0.00	26.77 0.58 0.00	27.82 0.49 0.00	29.84 0.41 0.00	32.03 0.32 0.00	35.92 0.46 0.00	44.71 0.92 0.00	65.54 2.22 0.00	76.39 3.08 0.00	73.23 3.15 0.00	51.21 1.83 0.00	43.74 1.32 0.00	37.98 0.89 0.00	34.53 0.68 0.00
NORTHPORT___1 23551	32.48 0.92 0.00	28.50 0.59 0.00	27.23 0.43 0.00	25.50 0.28 0.00	25.87 0.36 0.00	28.32 0.44 0.00	37.65 0.63 0.01	39.37 0.92 0.01	33.99 1.05 0.00	27.95 0.87 0.00	27.74 1.37 0.00	27.53 1.34 0.00	28.86 1.53 0.00	31.44 1.80 -0.22	34.20 2.22 -0.27	38.52 2.59 -0.47	45.36 1.57 0.00	64.39 1.08 0.01	74.33 1.03 0.01	70.70 0.63 0.01	49.88 0.49 0.00	43.78 1.36 0.00	39.13 2.04 0.00	35.37 1.52 0.00
NORTHPORT___2 23552	32.48 0.92 0.00	28.50 0.59 0.00	27.23 0.43 0.00	25.50 0.28 0.00	25.87 0.36 0.00	28.32 0.44 0.00	37.65 0.63 0.01	39.37 0.92 0.01	33.99 1.05 0.00	27.95 0.87 0.00	27.74 1.37 0.00	27.53 1.34 0.00	28.86 1.53 0.00	31.44 1.80 -0.22	34.20 2.22 -0.27	38.52 2.59 -0.47	45.36 1.57 0.00	64.39 1.08 0.01	74.33 1.03 0.01	70.70 0.63 0.01	49.88 0.49 0.00	43.78 1.36 0.00	39.13 2.04 0.00	35.37 1.52 0.00
NORTHPORT___3 23553	31.95 0.38 0.00	28.05 0.14 0.00	26.81 0.00 -0.01	25.09 -0.13 0.00	25.46 -0.05 0.00	27.72 -0.17 -0.01	37.06 0.04 0.01	38.80 0.35 0.01	33.46 0.53 0.00	27.51 0.43 0.00	27.29 0.92 0.00	27.09 0.89 0.00	28.37 1.04 0.00	30.93 1.29 -0.22	33.63 1.65 -0.27	37.85 1.91 -0.47	44.45 0.66 0.00	63.24 -0.06 0.02	73.00 -0.29 0.02	69.36 -0.70 0.02	48.88 -0.49 0.01	42.97 0.55 0.00	38.47 1.37 0.00	34.80 0.95 0.00
NORTHPORT___4 23650	31.95 0.38 0.00	28.05 0.14 0.00	26.81 0.00 -0.01	25.09 -0.13 0.00	25.46 -0.05 0.00	27.72 -0.17 -0.01	37.06 0.04 0.01	38.80 0.35 0.01	33.46 0.53 0.00	27.51 0.43 0.00	27.29 0.92 0.00	27.09 0.89 0.00	28.37 1.04 0.00	30.93 1.29 -0.22	33.63 1.65 -0.27	37.85 1.91 -0.47	44.45 0.66 0.00	63.24 -0.06 0.02	73.00 -0.29 0.02	69.36 -0.70 0.02	48.88 -0.49 0.01	42.97 0.55 0.00	38.47 1.37 0.00	34.80 0.95 0.00
NORTHPORT___IC 23718	32.48 0.92 0.00	28.50 0.59 0.00	27.23 0.43 0.00	25.60 0.38 0.00	25.89 0.38 0.00	28.41 0.53 0.00	37.69 0.67 0.01	39.38 0.92 0.01	33.99 1.05 0.00	27.97 0.89 0.00	27.74 1.37 0.00	27.53 1.34 0.00	28.86 1.53 0.00	31.44 1.79 -0.22	34.20 2.22 -0.27	38.52 2.59 -0.47	45.37 1.58 0.00	64.39 1.08 0.01	74.33 1.03 0.01	70.70 0.63 0.01	49.88 0.49 0.00	43.87 1.44 0.00	39.10 2.00 0.00	35.41 1.56 0.00
NORTH___COUNTRY_ESR 323785	31.13 -0.44 0.00	27.69 -0.22 0.00	26.64 -0.16 0.00	25.17 -0.05 0.00	25.56 0.05 0.00	28.16 0.28 0.00	37.62 0.59 0.00	39.04 0.58 0.00	33.56 0.62 0.00	27.70 0.62 0.00	26.98 0.61 0.00	26.95 0.76 0.00	28.04 0.71 0.00	30.07 0.65 0.00	32.34 0.63 0.00	36.28 0.82 0.00	45.06 1.27 0.00	65.92 2.60 0.00	76.61 3.30 0.00	73.37 3.29 0.00	51.36 1.98 0.00	43.82 1.40 0.00	38.06 0.96 0.00	34.56 0.71 0.00
NPX_GEN_1385_PROXY 323591	32.48 0.92 0.00	28.50 0.59 0.00	27.23 0.43 0.00	25.50 0.28 0.00	25.87 0.36 0.00	28.32 0.44 0.00	37.65 0.63 0.01	39.37 0.92 0.01	33.99 1.05 0.00	27.95 0.87 0.00	27.74 1.37 0.00	27.53 1.34 0.00	28.86 1.53 0.00	31.44 1.80 -0.22	34.20 2.22 -0.27	38.52 2.59 -0.47	45.36 1.57 0.00	64.39 1.08 0.01	74.33 1.03 0.01	70.70 0.63 0.01	49.88 0.49 0.00	43.78 1.36 0.00	39.13 2.04 0.00	35.37 1.52 0.00
NPX_GEN_CSC 323557	31.88 0.32 0.00	27.91 0.00 0.00	26.54 -0.13 0.12	24.99 -0.23 0.00	25.36 -0.15 0.00	27.59 -0.17 0.12	36.91 -0.11 0.01	38.68 0.23 0.01	33.36 0.43 0.00	27.46 0.38 0.00	27.32 0.95 0.00	27.09 0.89 0.00	28.39 1.06 0.00	30.93 1.29 -0.22	33.76 1.77 -0.27	38.13 2.20 -0.47	44.97 1.18 0.00	63.69 0.38 0.01	73.59 0.29 0.01	70.00 -0.07 0.01	49.44 0.05 0.00	43.44 1.02 0.00	38.61 1.52 0.00	34.86 1.01 0.00
NSINS_S_GLNS_FALLS 23858	32.55 0.98 0.00	28.72 0.81 0.00	27.66 0.86 0.00	26.02 0.81 0.00	26.25 0.74 0.00	28.74 0.86 0.00	38.25 1.22 0.00	39.61 1.15 0.00	33.66 0.72 0.00	27.43 0.35 0.00	26.50 0.13 0.00	26.19 0.00 0.00	27.27 -0.05 0.00	29.31 0.03 0.15	31.75 0.22 0.18	35.57 0.43 0.31	44.84 1.05 0.00	65.16 1.84 0.00	75.80 2.49 0.00	72.46 2.38 0.00	50.92 1.53 0.00	43.70 1.27 0.00	38.35 1.26 0.00	34.73 0.88 0.00
NUCOR_STEEL___DRP 24197	31.82 0.25 0.00	28.11 0.20 0.00	26.96 0.16 0.00	25.34 0.13 0.00	25.61 0.10 0.00	27.91 0.03 0.00	36.99 -0.04 0.00	38.34 -0.12 0.00	32.90 -0.03 0.00	27.08 0.00 0.00	26.34 -0.03 0.00	26.17 -0.03 0.00	27.33 0.00 0.00	29.45 0.03 0.00	31.68 -0.03 0.00	35.49 0.04 0.00	43.96 0.18 0.00	63.51 0.19 0.00	73.82 0.51 0.00	70.64 0.56 0.00	49.78 0.40 0.00	42.51 0.08 0.00	37.20 0.11 0.00	34.05 0.20 0.00
NUMBER_THREE_WT_PWR 323818	31.82 0.25 0.00	28.19 0.28 0.00	27.12 0.32 0.00	25.50 0.28 0.00	25.89 0.38 0.00	28.58 0.70 0.00	37.96 0.93 0.00	39.38 0.92 0.00	33.56 0.62 0.00	27.29 0.22 0.00	26.47 0.11 0.00	26.33 0.13 0.00	27.44 0.11 0.00	29.48 0.06 0.00	31.49 -0.22 0.00	35.32 -0.14 0.00	43.83 0.04 0.00	64.02 0.70 0.00	74.85 1.54 0.00	71.76 1.68 0.00	50.22 0.84 0.00	42.97 0.55 0.00	37.50 0.41 0.00	34.19 0.34 0.00
NYISO_LBMP_REFERENCE 24008	31.57 0.00 0.00	27.91 0.00 0.00	26.80 0.00 0.00	25.22 0.00 0.00	25.51 0.00 0.00	27.88 0.00 0.00	37.03 0.00 0.00	38.46 0.00 0.00	32.94 0.00 0.00	27.08 0.00 0.00	26.37 0.00 0.00	26.19 0.00 0.00	27.33 0.00 0.00	29.42 0.00 0.00	31.71 0.00 0.00	35.46 0.00 0.00	43.79 0.00 0.00	63.32 0.00 0.00	73.31 0.00 0.00	70.08 0.00 0.00	49.39 0.00 0.00	42.42 0.00 0.00	37.09 0.00 0.00	33.85 0.00 0.00
NYPA_BRENTWD____GT 24164	32.80 1.23 0.00	28.72 0.81 0.00	27.48 0.70 0.01	25.70 0.48 0.00	26.07 0.56 0.00	28.56 0.70 0.01	37.95 0.93 0.01	39.68 1.23 0.01	34.26 1.32 0.00	28.13 1.06 0.00	27.95 1.58 0.00	27.71 1.52 0.00	29.05 1.72 0.00	31.70 2.06 -0.22	34.55 2.57 -0.27	38.98 3.05 -0.47	46.11 2.32 0.00	65.28 1.97 0.01	75.43 2.13 0.01	71.68 1.61 0.01	50.52 1.14 0.00	44.46 2.04 0.00	39.58 2.49 0.00	35.78 1.93 0.00



NYPA_GOWANUS____GT5 24156	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
NYPA_GOWANUS____GT6 24157	32.96 1.39 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.43 1.35 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	45.76 1.97 0.00	65.79 2.47 0.00	75.87 2.56 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.12 1.70 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
NYPA_HARLEM__RVR__GT1 24160	33.09 1.52 -0.01	29.18 1.26 -0.01	27.96 1.15 -0.01	26.21 0.98 -0.01	26.56 1.05 -0.01	29.05 1.17 0.00	38.40 1.37 0.00	40.03 1.58 0.01	34.54 1.61 0.01	28.40 1.33 0.01	27.86 1.50 0.01	27.68 1.49 0.01	28.93 1.61 0.01	31.43 1.80 -0.21	34.06 2.09 -0.26	38.37 2.44 -0.47	45.80 2.02 0.01	65.59 2.28 0.01	75.64 2.35 0.01	71.89 1.82 0.01	50.61 1.24 0.01	44.12 1.70 0.00	39.25 2.15 -0.01	35.68 1.83 -0.01
NYPA_HARLEM__RVR__GT2 24161	33.09 1.52 -0.01	29.18 1.26 -0.01	27.96 1.15 -0.01	26.21 0.98 -0.01	26.56 1.05 -0.01	29.05 1.17 0.00	38.40 1.37 0.00	40.03 1.58 0.01	34.54 1.61 0.01	28.40 1.33 0.01	27.86 1.50 0.01	27.68 1.49 0.01	28.93 1.61 0.01	31.43 1.80 -0.21	34.06 2.09 -0.26	38.37 2.44 -0.47	45.80 2.02 0.01	65.59 2.28 0.01	75.64 2.35 0.01	71.89 1.82 0.01	50.61 1.24 0.01	44.12 1.70 0.00	39.25 2.15 -0.01	35.68 1.83 -0.01
NYPA_KENT____GT 24152	32.96 1.39 -0.01	29.09 1.17 -0.01	27.88 1.07 -0.01	26.13 0.91 -0.01	26.49 0.97 -0.01	29.00 1.12 0.00	38.40 1.37 0.00	40.11 1.65 0.00	34.62 1.68 0.00	28.49 1.41 0.00	27.92 1.56 0.00	27.77 1.57 0.00	29.02 1.69 0.00	31.53 1.88 -0.22	34.16 2.19 -0.26	38.48 2.55 -0.47	45.89 2.10 0.00	65.86 2.54 0.00	75.94 2.64 0.00	72.18 2.10 0.00	50.82 1.43 0.00	44.20 1.78 0.00	39.14 2.04 -0.01	35.65 1.79 -0.01
NYPA_POUCH1____GT 24155	32.96 1.39 -0.01	29.04 1.12 -0.01	27.83 1.02 -0.01	26.08 0.86 -0.01	26.46 0.94 -0.01	29.00 1.12 0.00	38.25 1.22 0.00	39.92 1.46 0.00	34.55 1.61 0.00	28.38 1.30 0.00	27.84 1.48 0.00	27.71 1.52 0.00	28.97 1.64 0.00	31.47 1.82 -0.22	34.10 2.12 -0.26	38.41 2.48 -0.47	45.54 1.75 0.00	65.54 2.22 0.00	75.58 2.28 0.00	71.83 1.75 0.00	50.57 1.18 0.00	43.95 1.53 0.00	39.03 1.93 -0.01	35.55 1.69 -0.01
NYPA_VERNON____GT2 24162	32.97 1.39 -0.01	29.12 1.20 -0.01	27.91 1.10 -0.01	26.16 0.93 -0.01	26.54 1.02 -0.01	29.02 1.14 0.00	38.47 1.44 0.00	40.23 1.77 0.00	34.68 1.74 0.00	28.51 1.43 0.00	27.98 1.61 0.00	27.79 1.60 0.00	29.05 1.72 0.00	31.55 1.91 -0.22	34.16 2.19 -0.26	38.48 2.55 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.09 2.78 0.00	72.25 2.17 0.00	50.92 1.53 0.00	44.29 1.86 0.00	39.18 2.08 -0.01	35.69 1.83 -0.01
NYPA_VERNON____GT3 24163	32.97 1.39 -0.01	29.12 1.20 -0.01	27.91 1.10 -0.01	26.16 0.93 -0.01	26.54 1.02 -0.01	29.02 1.14 0.00	38.47 1.44 0.00	40.23 1.77 0.00	34.68 1.74 0.00	28.51 1.43 0.00	27.98 1.61 0.00	27.79 1.60 0.00	29.05 1.72 0.00	31.55 1.91 -0.22	34.16 2.19 -0.26	38.48 2.55 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.09 2.78 0.00	72.25 2.17 0.00	50.92 1.53 0.00	44.29 1.86 0.00	39.18 2.08 -0.01	35.69 1.83 -0.01
NYPA__ASTORIA_CC1 323568	32.96 1.39 -0.01	29.15 1.23 -0.01	27.93 1.13 -0.01	26.18 0.96 -0.01	26.54 1.02 -0.01	29.05 1.17 0.00	38.47 1.44 0.00	40.19 1.73 0.00	34.68 1.74 0.00	28.51 1.43 0.00	27.98 1.61 0.00	27.79 1.60 0.00	29.05 1.72 0.00	31.55 1.91 -0.22	34.16 2.19 -0.26	38.48 2.55 -0.47	46.02 2.23 0.00	65.92 2.60 0.00	76.02 2.71 0.00	72.18 2.10 0.00	50.87 1.48 0.00	44.29 1.86 0.00	39.21 2.11 -0.01	35.72 1.86 -0.01
NYPA__ASTORIA_CC2 323569	32.96 1.39 -0.01	29.15 1.23 -0.01	27.93 1.13 -0.01	26.18 0.96 -0.01	26.54 1.02 -0.01	29.05 1.17 0.00	38.47 1.44 0.00	40.19 1.73 0.00	34.68 1.74 0.00	28.51 1.43 0.00	27.98 1.61 0.00	27.79 1.60 0.00	29.05 1.72 0.00	31.55 1.91 -0.22	34.16 2.19 -0.26	38.48 2.55 -0.47	46.02 2.23 0.00	65.92 2.60 0.00	76.02 2.71 0.00	72.18 2.10 0.00	50.87 1.48 0.00	44.29 1.86 0.00	39.21 2.11 -0.01	35.72 1.86 -0.01
NYPA__HOLTSVILL 23794	32.20 0.63 0.00	28.19 0.28 0.00	26.81 0.13 0.12	25.24 0.03 0.00	25.61 0.10 0.00	27.90 0.14 0.12	37.28 0.26 0.01	39.03 0.58 0.01	33.69 0.76 0.00	27.70 0.62 0.00	27.53 1.16 0.00	27.32 1.13 0.00	28.64 1.31 0.00	31.20 1.56 -0.22	34.01 2.03 -0.27	38.38 2.44 -0.47	45.28 1.49 0.00	64.07 0.76 0.01	74.03 0.73 0.01	70.35 0.28 0.01	49.73 0.35 0.00	43.70 1.27 0.00	38.87 1.78 0.00	35.10 1.25 0.00
NYPA____HELLGATE_GT1 24158	33.09 1.52 -0.01	29.18 1.26 -0.01	27.96 1.15 -0.01	26.21 0.98 -0.01	26.56 1.05 -0.01	29.05 1.17 0.00	38.40 1.37 0.00	40.03 1.58 0.01	34.54 1.61 0.01	28.40 1.33 0.01	27.86 1.50 0.01	27.68 1.49 0.01	28.93 1.61 0.01	31.43 1.80 -0.21	34.06 2.09 -0.26	38.37 2.44 -0.47	45.80 2.02 0.01	65.59 2.28 0.01	75.64 2.35 0.01	71.89 1.82 0.01	50.61 1.24 0.01	44.12 1.70 0.00	39.25 2.15 -0.01	35.68 1.83 -0.01
NYPA____HELLGATE_GT2 24159	33.09 1.52 -0.01	29.18 1.26 -0.01	27.96 1.15 -0.01	26.21 0.98 -0.01	26.56 1.05 -0.01	29.05 1.17 0.00	38.40 1.37 0.00	40.03 1.58 0.01	34.54 1.61 0.01	28.40 1.33 0.01	27.86 1.50 0.01	27.68 1.49 0.01	28.93 1.61 0.01	31.43 1.80 -0.21	34.06 2.09 -0.26	38.37 2.44 -0.47	45.80 2.02 0.01	65.59 2.28 0.01	75.64 2.35 0.01	71.89 1.82 0.01	50.61 1.24 0.01	44.12 1.70 0.00	39.25 2.15 -0.01	35.68 1.83 -0.01
NYS_BARGE__HYD 23848	31.66 0.09 0.00	27.63 -0.28 0.00	26.83 0.03 0.00	25.22 0.00 0.00	25.48 -0.03 0.00	27.21 -0.67 0.00	34.99 -2.04 0.00	35.54 -2.92 0.00	31.09 -1.84 0.00	26.24 -0.84 0.00	25.71 -0.66 0.00	25.59 -0.60 0.00	26.81 -0.52 0.00	28.95 -0.47 0.00	30.95 -0.76 0.00	34.15 -1.31 0.00	42.12 -1.66 0.00	59.52 -3.80 0.00	69.28 -4.03 0.00	66.15 -3.92 0.00	46.92 -2.47 0.00	39.50 -2.93 0.00	35.13 -1.97 0.00	33.27 -0.58 0.00
OAK ORCHARD__HYD 24046	31.63 0.06 0.00	27.91 0.00 0.00	26.80 0.00 0.00	25.34 0.13 0.00	25.46 -0.05 0.00	27.60 -0.28 0.00	36.25 -0.78 0.00	37.31 -1.15 0.00	32.28 -0.66 0.00	26.86 -0.22 0.00	26.24 -0.13 0.00	26.06 -0.13 0.00	27.30 -0.03 0.00	29.42 0.00 0.00	31.52 -0.19 0.00	35.07 -0.39 0.00	43.44 -0.35 0.00	62.24 -1.08 0.00	72.35 -0.96 0.00	69.24 -0.84 0.00	48.89 -0.49 0.00	41.49 -0.93 0.00	36.50 -0.59 0.00	33.71 -0.13 0.00



OAKDALE___35_KV_LOAD 356122	31.76 0.19 0.00	28.05 0.14 0.00	26.93 0.13 0.00	25.32 0.10 0.00	25.59 0.08 0.00	27.91 0.03 0.00	36.88 -0.15 0.00	38.27 -0.19 0.00	32.87 -0.07 0.00	27.13 0.05 0.00	26.42 0.05 0.00	26.25 0.05 0.00	27.41 0.08 0.00	29.58 0.12 -0.03	31.78 0.03 -0.04	35.64 0.11 -0.07	43.96 0.18 0.00	63.32 0.00 0.00	73.45 0.15 0.00	70.08 0.00 0.00	49.39 0.00 0.00	42.25 -0.17 0.00	37.06 -0.04 0.00	33.99 0.14 0.00
OCC_CHEM___DRP 24175	30.84 -0.73 0.00	27.66 -0.25 0.00	26.53 -0.27 0.00	25.04 -0.18 0.00	25.15 -0.36 0.00	26.40 -1.48 0.00	34.36 -2.67 0.00	34.84 -3.62 0.00	30.60 -2.34 0.00	25.78 -1.30 0.00	25.34 -1.03 0.00	25.23 -0.97 0.00	26.43 -0.90 0.00	28.51 -0.91 0.00	30.25 -1.46 0.00	33.58 -1.88 0.00	41.29 -2.50 0.00	58.32 -5.00 0.00	67.59 -5.72 0.00	64.54 -5.54 0.00	45.93 -3.46 0.00	38.69 -3.73 0.00	34.46 -2.63 0.00	32.26 -1.59 0.00
OH_GEN_PROXY 24063	31.19 -0.38 0.00	27.52 -0.39 0.00	26.45 -0.35 0.00	25.14 -0.08 0.00	25.10 -0.41 0.00	26.93 -0.95 0.00	34.88 -2.15 0.00	35.42 -3.04 0.00	31.06 -1.88 0.00	26.19 -0.89 0.00	25.66 -0.71 0.00	25.54 -0.65 0.00	26.75 -0.58 0.00	28.89 -0.53 0.00	30.85 -0.85 0.00	34.00 -1.46 0.00	41.86 -1.93 0.00	59.14 -4.18 0.00	68.69 -4.62 0.00	65.59 -4.49 0.00	46.57 -2.81 0.00	39.28 -3.14 0.00	34.94 -2.15 0.00	32.80 -1.05 0.00
OLIN_CORP_DRP 24177	31.47 -0.09 0.00	27.30 -0.61 0.00	26.18 -0.62 0.00	24.71 -0.50 0.00	24.82 -0.69 0.00	26.79 -1.09 0.00	34.51 -2.52 0.00	35.04 -3.42 0.00	30.73 -2.21 0.00	25.89 -1.19 0.00	25.42 -0.95 0.00	25.30 -0.89 0.00	26.53 -0.79 0.00	28.60 -0.82 0.00	30.38 -1.33 0.00	33.72 -1.74 0.00	41.51 -2.28 0.00	58.70 -4.62 0.00	68.10 -5.20 0.00	65.03 -5.05 0.00	46.23 -3.16 0.00	38.90 -3.52 0.00	34.64 -2.45 0.00	32.87 -0.98 0.00
OLIN_CORP_DSASP 323712	30.84 -0.72 0.00	27.72 -0.19 0.00	26.18 -0.62 0.00	25.32 0.10 0.00	24.85 -0.66 0.00	26.60 -1.28 0.00	34.40 -2.63 0.00	34.84 -3.62 0.00	30.60 -2.34 0.00	25.86 -1.22 0.00	25.34 -1.03 0.00	25.23 -0.97 0.00	26.43 -0.90 0.00	28.54 -0.88 0.00	30.47 -1.24 0.00	33.58 -1.88 0.00	41.29 -2.49 0.00	58.25 -5.07 0.00	67.59 -5.72 0.00	64.54 -5.54 0.00	45.93 -3.46 0.00	38.69 -3.73 0.00	34.46 -2.63 0.00	32.36 -1.49 0.00
ONEIDA_HERK_LFGE 323681	31.98 0.41 0.00	28.30 0.39 0.00	27.23 0.43 0.00	25.60 0.38 0.00	25.94 0.43 0.00	28.47 0.59 0.00	37.81 0.78 0.00	39.27 0.81 0.00	33.53 0.59 0.00	27.32 0.24 0.00	26.55 0.19 0.00	26.38 0.18 0.00	27.52 0.19 0.00	29.57 0.15 0.00	31.77 0.06 0.00	35.67 0.21 0.00	44.23 0.44 0.00	64.33 1.01 0.00	74.92 1.61 0.00	71.83 1.75 0.00	50.37 0.99 0.00	43.14 0.72 0.00	37.65 0.56 0.00	34.32 0.47 0.00
ONEIDA___115KV_TB4 55905	32.20 0.63 0.00	28.50 0.59 0.00	27.39 0.59 0.00	25.72 0.50 0.00	26.07 0.56 0.00	28.49 0.61 0.00	37.81 0.78 0.00	39.31 0.85 0.00	33.56 0.63 0.00	27.40 0.32 0.00	26.63 0.26 0.00	26.43 0.24 0.00	27.60 0.27 0.00	29.69 0.26 0.00	31.96 0.25 0.00	35.88 0.43 0.00	44.49 0.70 0.00	64.59 1.27 0.00	75.21 1.91 0.00	72.11 2.03 0.00	50.62 1.23 0.00	43.36 0.93 0.00	37.80 0.70 0.00	34.49 0.64 0.00
ONONDAGA_REF_OCCRA 23987	31.66 0.09 0.00	27.99 0.08 0.00	26.85 0.05 0.00	25.24 0.03 0.00	25.51 0.00 0.00	27.82 -0.06 0.00	36.88 -0.15 0.00	38.27 -0.19 0.00	32.80 -0.13 0.00	27.00 -0.08 0.00	26.26 -0.11 0.00	26.09 -0.10 0.00	27.25 -0.08 0.00	29.36 -0.06 0.00	31.58 -0.13 0.00	35.32 -0.14 0.00	43.66 -0.13 0.00	63.13 -0.19 0.00	73.23 -0.07 0.00	70.15 0.07 0.00	49.44 0.05 0.00	42.30 -0.13 0.00	36.94 -0.15 0.00	33.78 -0.07 0.00
ONONDAGA___COGEN 23986	31.63 0.06 0.00	27.97 0.06 0.00	26.83 0.03 0.00	25.22 0.00 0.00	25.51 0.00 0.00	27.80 -0.08 0.00	36.85 -0.19 0.00	38.23 -0.23 0.00	32.77 -0.16 0.00	26.97 -0.11 0.00	26.24 -0.13 0.00	26.06 -0.13 0.00	27.22 -0.11 0.00	29.36 -0.06 0.00	31.58 -0.13 0.00	35.32 -0.14 0.00	43.66 -0.13 0.00	63.13 -0.19 0.00	73.23 -0.07 0.00	70.08 0.00 0.00	49.44 0.05 0.00	42.30 -0.13 0.00	36.98 -0.11 0.00	33.82 -0.03 0.00
ONTARIO___LFGE 23819	31.95 0.38 0.00	28.22 0.31 0.00	27.07 0.27 0.00	25.52 0.30 0.00	25.71 0.20 0.00	27.96 0.08 0.00	36.92 -0.11 0.00	38.04 -0.42 0.00	32.84 -0.10 0.00	27.13 0.05 0.00	26.37 0.00 0.00	26.19 0.00 0.00	27.38 0.05 0.00	29.54 0.12 0.00	31.77 0.06 0.00	35.53 0.07 0.00	43.96 0.18 0.00	63.38 0.06 0.00	73.97 0.66 0.00	70.64 0.56 0.00	49.78 0.39 0.00	42.25 -0.17 0.00	36.98 -0.11 0.00	34.19 0.34 0.00
ORANGEVILLE_WT_PWR 323706	31.63 0.06 0.00	27.86 -0.06 0.00	26.80 0.00 0.00	25.34 0.13 0.00	25.46 -0.05 0.00	27.43 -0.45 0.00	35.70 -1.33 0.00	36.50 -1.96 0.00	31.68 -1.25 0.00	26.51 -0.57 0.00	25.89 -0.47 0.00	25.75 -0.45 0.00	26.97 -0.36 0.00	29.13 -0.29 0.00	31.17 -0.54 0.00	34.50 -0.96 0.00	42.74 -1.05 0.00	60.91 -2.41 0.00	71.18 -2.13 0.00	67.90 -2.17 0.00	48.00 -1.38 0.00	40.52 -1.91 0.00	35.83 -1.26 0.00	33.48 -0.37 0.00
ORANGEVILLE___ESR 323794	31.63 0.06 0.00	27.86 -0.06 0.00	26.80 0.00 0.00	25.34 0.13 0.00	25.46 -0.05 0.00	27.43 -0.45 0.00	35.70 -1.33 0.00	36.50 -1.96 0.00	31.68 -1.25 0.00	26.51 -0.57 0.00	25.89 -0.47 0.00	25.75 -0.45 0.00	26.97 -0.36 0.00	29.13 -0.29 0.00	31.17 -0.54 0.00	34.50 -0.96 0.00	42.74 -1.05 0.00	60.91 -2.41 0.00	71.18 -2.13 0.00	67.90 -2.17 0.00	48.00 -1.38 0.00	40.52 -1.91 0.00	35.83 -1.26 0.00	33.48 -0.37 0.00
OSWEGATCHIE___HYD 24044	31.76 0.19 0.00	28.16 0.25 0.00	27.09 0.30 0.00	25.47 0.25 0.00	25.84 0.33 0.00	28.41 0.53 0.00	37.81 0.78 0.00	39.19 0.73 0.00	33.46 0.53 0.00	27.29 0.22 0.00	26.50 0.13 0.00	26.40 0.21 0.00	27.49 0.16 0.00	29.51 0.09 0.00	31.61 -0.09 0.00	35.46 0.00 0.00	44.10 0.31 0.00	64.52 1.20 0.00	75.36 2.05 0.00	72.25 2.17 0.00	50.57 1.18 0.00	43.32 0.89 0.00	37.68 0.59 0.00	34.32 0.47 0.00
OSWEGO___5 23606	31.16 -0.41 0.00	27.55 -0.36 0.00	26.42 -0.38 0.00	24.89 -0.33 0.00	25.15 -0.36 0.00	27.41 -0.47 0.00	36.29 -0.74 0.00	37.65 -0.81 0.00	32.28 -0.66 0.00	26.59 -0.49 0.00	25.89 -0.47 0.00	25.70 -0.50 0.00	26.84 -0.49 0.00	28.92 -0.50 0.00	31.14 -0.57 0.00	34.75 -0.71 0.00	42.96 -0.83 0.00	61.99 -1.33 0.00	71.91 -1.40 0.00	68.82 -1.26 0.00	48.55 -0.84 0.00	41.58 -0.85 0.00	36.39 -0.71 0.00	33.27 -0.58 0.00
OSWEGO___6 23613	31.16 -0.41 0.00	27.55 -0.36 0.00	26.42 -0.38 0.00	24.89 -0.33 0.00	25.15 -0.36 0.00	27.41 -0.47 0.00	36.29 -0.74 0.00	37.65 -0.81 0.00	32.28 -0.66 0.00	26.59 -0.49 0.00	25.89 -0.47 0.00	25.70 -0.50 0.00	26.84 -0.49 0.00	28.92 -0.50 0.00	31.14 -0.57 0.00	34.75 -0.71 0.00	42.96 -0.83 0.00	61.99 -1.33 0.00	71.91 -1.40 0.00	68.82 -1.26 0.00	48.55 -0.84 0.00	41.58 -0.85 0.00	36.39 -0.71 0.00	33.27 -0.58 0.00



OUTOKUMPU-AB___DRP 24206	31.57 0.00 0.00	27.91 0.00 0.00	26.75 -0.05 0.00	25.24 0.03 0.00	25.36 -0.15 0.00	27.02 -0.86 0.00	35.14 -1.89 0.00	35.69 -2.77 0.00	31.26 -1.68 0.00	26.35 -0.73 0.00	25.84 -0.53 0.00	25.75 -0.45 0.00	27.00 -0.33 0.00	29.13 -0.29 0.00	30.95 -0.76 0.00	34.40 -1.06 0.00	42.43 -1.36 0.00	60.03 -3.29 0.00	69.72 -3.59 0.00	66.50 -3.57 0.00	47.16 -2.22 0.00	39.67 -2.76 0.00	35.31 -1.78 0.00	33.10 -0.74 0.00
OXBOW___BTM 323836	31.25 -0.32 0.00	27.88 -0.03 0.00	26.51 -0.29 0.00	25.44 0.23 0.00	25.15 -0.36 0.00	26.93 -0.95 0.00	34.81 -2.22 0.00	35.35 -3.11 0.00	30.96 -1.98 0.00	26.16 -0.92 0.00	25.63 -0.74 0.00	25.51 -0.68 0.00	26.75 -0.58 0.00	28.89 -0.53 0.00	30.88 -0.82 0.00	34.04 -1.42 0.00	41.95 -1.84 0.00	59.21 -4.11 0.00	68.76 -4.55 0.00	65.67 -4.41 0.00	46.62 -2.76 0.00	39.24 -3.18 0.00	34.90 -2.19 0.00	32.83 -1.01 0.00
OXBOW___ 24026	31.25 -0.32 0.00	27.83 -0.08 0.00	26.69 -0.11 0.00	25.19 -0.03 0.00	25.28 -0.23 0.00	26.74 -1.14 0.00	34.77 -2.26 0.00	35.31 -3.15 0.00	30.96 -1.98 0.00	26.10 -0.97 0.00	25.63 -0.74 0.00	25.51 -0.68 0.00	26.75 -0.57 0.00	28.86 -0.56 0.00	30.66 -1.05 0.00	34.04 -1.42 0.00	41.95 -1.84 0.00	59.27 -4.05 0.00	68.76 -4.55 0.00	65.66 -4.41 0.00	46.62 -2.77 0.00	39.24 -3.18 0.00	34.94 -2.15 0.00	32.73 -1.12 0.00
OXY_CHEM_DSASP 323612	30.84 -0.73 0.00	27.66 -0.25 0.00	26.53 -0.27 0.00	25.04 -0.18 0.00	25.15 -0.36 0.00	26.40 -1.48 0.00	34.36 -2.67 0.00	34.84 -3.62 0.00	30.60 -2.34 0.00	25.78 -1.30 0.00	25.34 -1.03 0.00	25.23 -0.97 0.00	26.43 -0.90 0.00	28.51 -0.91 0.00	30.25 -1.46 0.00	33.58 -1.88 0.00	41.29 -2.50 0.00	58.32 -5.00 0.00	67.59 -5.72 0.00	64.54 -5.54 0.00	45.93 -3.46 0.00	38.69 -3.73 0.00	34.46 -2.63 0.00	32.26 -1.59 0.00
OZONE_PARK_ESR 323760	33.05 1.48 0.00	29.19 1.28 0.00	27.95 1.15 0.00	26.25 1.03 0.00	26.56 1.05 0.00	29.13 1.25 0.00	38.70 1.67 0.00	40.46 2.00 0.00	34.81 1.88 0.00	28.68 1.60 0.00	28.08 1.71 0.00	27.90 1.70 0.00	29.13 1.80 0.00	31.64 2.00 -0.22	34.29 2.31 -0.26	38.58 2.66 -0.47	46.42 2.63 0.00	66.61 3.29 0.00	76.97 3.67 0.00	72.95 2.87 0.00	51.41 2.02 0.00	44.63 2.21 0.00	39.24 2.15 0.00	35.81 1.96 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	30.84 -0.73 0.00	27.66 -0.25 0.00	26.53 -0.27 0.00	25.04 -0.18 0.00	25.15 -0.36 0.00	26.40 -1.48 0.00	34.36 -2.67 0.00	34.84 -3.62 0.00	30.60 -2.34 0.00	25.78 -1.30 0.00	25.34 -1.03 0.00	25.23 -0.97 0.00	26.43 -0.90 0.00	28.51 -0.91 0.00	30.25 -1.46 0.00	33.58 -1.88 0.00	41.29 -2.50 0.00	58.32 -5.00 0.00	67.59 -5.72 0.00	64.54 -5.54 0.00	45.93 -3.46 0.00	38.69 -3.73 0.00	34.46 -2.63 0.00	32.26 -1.59 0.00
PACKARD___115KV_DUPONT_184 80571	30.84 -0.73 0.00	27.66 -0.25 0.00	26.53 -0.27 0.00	25.04 -0.18 0.00	25.15 -0.36 0.00	26.40 -1.48 0.00	34.36 -2.67 0.00	34.84 -3.62 0.00	30.60 -2.34 0.00	25.78 -1.30 0.00	25.34 -1.03 0.00	25.23 -0.97 0.00	26.43 -0.90 0.00	28.51 -0.91 0.00	30.25 -1.46 0.00	33.58 -1.88 0.00	41.29 -2.50 0.00	58.32 -5.00 0.00	67.59 -5.72 0.00	64.54 -5.54 0.00	45.93 -3.46 0.00	38.69 -3.73 0.00	34.46 -2.63 0.00	32.26 -1.59 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	33.09 1.52 -0.01	29.23 1.31 -0.01	27.99 1.18 -0.01	26.31 1.08 -0.01	26.62 1.10 -0.01	29.11 1.23 0.00	38.44 1.41 0.00	40.04 1.58 0.00	34.55 1.61 0.00	28.43 1.35 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.94 1.61 0.00	31.44 1.79 -0.22	34.03 2.06 -0.26	38.30 2.38 -0.47	45.85 2.06 0.00	65.66 2.34 0.00	75.73 2.42 0.00	71.97 1.89 0.00	50.67 1.28 0.00	44.21 1.78 0.00	39.18 2.08 -0.01	35.72 1.86 -0.01
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	33.41 1.83 -0.01	29.48 1.56 -0.01	28.25 1.45 -0.01	26.56 1.34 -0.01	26.84 1.33 -0.01	29.38 1.51 0.00	38.77 1.74 0.00	40.42 1.96 0.00	34.85 1.91 0.00	28.68 1.60 0.00	28.08 1.71 0.00	27.92 1.73 0.00	29.19 1.86 0.00	31.70 2.06 -0.22	34.32 2.35 -0.26	38.62 2.69 -0.47	46.24 2.45 0.00	66.23 2.91 0.00	76.39 3.08 0.00	72.60 2.52 0.00	51.16 1.78 0.00	44.59 2.16 0.00	39.55 2.45 -0.01	36.06 2.20 -0.01
PATROON___115KV_TB1 80586	31.85 0.28 0.00	28.16 0.25 0.00	27.07 0.27 0.00	25.47 0.25 0.00	25.74 0.23 0.00	28.19 0.31 0.00	37.51 0.48 0.00	39.04 0.58 0.00	33.23 0.30 0.00	27.27 0.19 0.00	26.53 0.16 0.00	26.27 0.08 0.00	27.41 0.08 0.00	29.44 0.15 0.13	31.83 0.29 0.16	35.42 0.25 0.29	44.01 0.22 0.00	63.51 0.19 0.00	73.38 0.07 0.00	70.01 -0.07 0.00	49.44 0.05 0.00	42.64 0.21 0.00	37.32 0.22 0.00	33.95 0.10 0.00
PATTRSNVILLE___SOLAR 323815	32.70 1.13 0.00	28.89 0.98 0.00	27.79 0.99 0.00	26.12 0.91 0.00	26.40 0.89 0.00	28.88 1.00 0.00	38.44 1.41 0.00	39.81 1.35 0.00	33.63 0.69 0.00	27.24 0.16 0.00	26.26 -0.11 0.00	25.96 -0.24 0.00	27.05 -0.27 0.00	29.05 -0.27 0.10	31.46 -0.13 0.12	35.45 0.21 0.22	44.58 0.79 0.00	65.29 1.97 0.00	76.24 2.94 0.00	72.81 2.73 0.00	51.26 1.88 0.00	44.04 1.61 0.00	38.58 1.49 0.00	35.07 1.22 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	31.47 -0.09 0.00	27.63 -0.28 0.00	26.48 -0.32 0.00	24.99 -0.23 0.00	25.13 -0.38 0.00	27.07 -0.81 0.00	35.29 -1.74 0.00	36.08 -2.38 0.00	31.49 -1.45 0.00	26.51 -0.57 0.00	25.97 -0.40 0.00	25.88 -0.31 0.00	27.11 -0.22 0.00	29.22 -0.21 0.00	31.11 -0.60 0.00	34.64 -0.82 0.00	42.91 -0.88 0.00	60.79 -2.53 0.00	70.74 -2.57 0.00	67.34 -2.73 0.00	47.56 -1.83 0.00	40.01 -2.42 0.00	35.50 -1.59 0.00	33.17 -0.68 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	32.61 1.04 0.00	28.92 1.00 0.00	27.71 0.91 0.00	26.05 0.83 0.00	26.33 0.82 0.00	28.88 1.00 0.00	38.44 1.41 0.00	40.11 1.65 0.00	34.39 1.45 0.00	28.27 1.19 0.00	27.61 1.24 0.00	27.40 1.20 0.00	28.64 1.31 0.00	31.08 1.44 -0.22	33.68 1.71 -0.26	37.98 2.06 -0.46	45.98 2.19 0.00	66.11 2.79 0.00	76.24 2.93 0.00	72.53 2.45 0.00	51.11 1.73 0.00	44.33 1.91 0.00	38.76 1.67 0.00	35.27 1.42 0.00
PEEKSKILL___ 23653	32.48 0.92 0.00	28.72 0.81 0.00	27.52 0.72 0.00	25.82 0.60 0.00	26.17 0.66 0.00	28.69 0.81 0.00	38.18 1.15 0.00	39.88 1.42 0.00	34.22 1.28 0.00	28.16 1.08 0.00	27.58 1.21 0.00	27.37 1.18 0.00	28.59 1.26 0.00	31.02 1.38 -0.22	33.59 1.62 -0.26	37.87 1.95 -0.46	45.67 1.88 0.00	65.54 2.22 0.00	75.58 2.28 0.00	71.83 1.75 0.00	50.62 1.24 0.00	43.91 1.48 0.00	38.61 1.52 0.00	35.14 1.29 0.00
PGE MADISON___WINDPWR 24146	33.34 1.77 0.00	29.53 1.62 0.00	28.43 1.63 0.00	26.65 1.44 0.00	27.07 1.56 0.00	29.55 1.67 0.00	39.10 2.07 0.00	40.58 2.12 0.00	34.62 1.68 0.00	27.97 0.89 0.00	27.08 0.71 0.00	26.93 0.73 0.00	28.09 0.77 0.00	30.10 0.65 -0.03	32.45 0.70 -0.04	36.91 1.38 -0.07	46.11 2.32 0.00	67.50 4.18 0.00	79.32 6.01 0.00	76.24 6.17 0.00	53.29 3.90 0.00	45.31 2.88 0.00	39.39 2.30 0.00	35.91 2.06 0.00



PIERCEFIELD___HYD 23852	31.70 0.13 0.00	28.11 0.20 0.00	27.01 0.21 0.00	25.42 0.20 0.00	25.79 0.28 0.00	28.33 0.45 0.00	37.73 0.70 0.00	39.08 0.62 0.00	33.43 0.49 0.00	27.40 0.32 0.00	26.63 0.26 0.00	26.59 0.39 0.00	27.66 0.33 0.00	29.66 0.24 0.00	31.87 0.16 0.00	35.74 0.28 0.00	44.45 0.66 0.00	65.03 1.71 0.00	75.80 2.49 0.00	72.67 2.59 0.00	50.87 1.48 0.00	43.48 1.06 0.00	37.80 0.70 0.00	34.36 0.51 0.00
PINELAWN_CC_1 323563	32.52 0.95 0.00	28.52 0.61 0.00	27.25 0.46 0.01	25.52 0.30 0.00	25.89 0.38 0.00	28.29 0.42 0.01	37.65 0.63 0.01	39.37 0.92 0.01	33.96 1.02 0.00	27.92 0.84 0.00	27.69 1.32 0.00	27.48 1.28 0.00	28.80 1.47 0.00	31.41 1.77 -0.22	34.17 2.19 -0.27	38.52 2.59 -0.48	45.67 1.88 0.00	64.96 1.64 0.01	75.06 1.76 0.01	71.33 1.26 0.01	50.28 0.89 0.00	44.08 1.65 0.00	39.17 2.08 0.00	35.41 1.56 0.00
PJM_GEN_HTTP_PROXY 323702	32.74 1.17 0.00	28.94 1.03 0.00	27.74 0.94 0.00	26.00 0.78 0.00	26.35 0.84 0.00	28.88 1.00 0.00	38.40 1.37 0.00	40.15 1.69 0.00	34.55 1.61 0.00	28.41 1.33 0.00	27.84 1.48 0.00	27.63 1.44 0.00	28.86 1.53 0.00	31.35 1.71 -0.22	33.97 2.00 -0.26	38.26 2.34 -0.47	45.98 2.19 0.00	65.92 2.60 0.00	76.02 2.71 0.00	72.18 2.10 0.00	50.87 1.48 0.00	44.20 1.78 0.00	38.91 1.82 0.00	35.44 1.59 0.00
PJM_GEN_KEystone 24065	31.73 0.16 0.00	28.02 0.11 0.00	26.88 0.08 0.00	25.34 0.13 0.00	25.56 0.05 0.00	27.82 -0.06 0.00	36.66 -0.37 0.00	38.00 -0.46 0.00	32.81 -0.13 0.00	27.27 0.19 0.00	26.66 0.29 0.00	26.51 0.32 0.00	27.71 0.38 0.00	29.99 0.44 -0.12	32.30 0.44 -0.15	36.11 0.39 -0.26	44.05 0.26 0.00	62.88 -0.44 0.00	72.87 -0.44 0.00	69.24 -0.84 0.00	48.80 -0.59 0.00	41.83 -0.59 0.00	36.91 -0.18 0.00	34.02 0.17 0.00
PJM_GEN_NEPTUNE_PROXY 323594	32.23 0.66 0.00	28.33 0.42 0.00	27.07 0.27 0.00	25.37 0.15 0.00	25.71 0.20 0.00	28.13 0.25 0.00	37.47 0.45 0.01	39.18 0.73 0.01	33.79 0.85 0.00	27.78 0.70 0.00	27.53 1.16 0.00	27.32 1.13 0.00	28.61 1.28 0.00	31.17 1.53 -0.22	33.85 1.87 -0.27	38.06 2.13 -0.47	45.23 1.44 0.00	64.51 1.20 0.01	74.40 1.10 0.01	70.70 0.63 0.01	49.83 0.44 0.00	43.65 1.23 0.00	38.76 1.67 0.00	35.07 1.22 0.00
PJM_GEN_VFT_PROXY 323633	32.58 1.01 0.00	28.83 0.92 0.00	27.60 0.80 0.00	25.87 0.65 0.00	26.22 0.71 0.00	28.71 0.84 0.00	38.21 1.18 0.01	39.96 1.50 0.00	34.42 1.48 0.00	28.33 1.25 0.00	27.76 1.40 0.00	27.58 1.39 0.00	28.80 1.47 0.00	31.26 1.62 -0.22	33.88 1.90 -0.26	38.12 2.20 -0.47	45.76 1.97 0.00	65.66 2.34 0.00	75.65 2.35 0.00	71.83 1.75 0.00	50.62 1.24 0.00	43.99 1.57 0.01	38.80 1.71 0.00	35.34 1.49 0.00
PLATSBURG_115KV_PMLD1 355749	31.32 -0.25 0.00	27.88 -0.03 0.00	26.88 0.08 0.00	25.42 0.20 0.00	25.89 0.38 0.00	28.55 0.67 0.00	38.22 1.18 0.00	39.61 1.15 0.00	34.09 1.15 0.00	28.22 1.14 0.00	27.48 1.11 0.00	27.53 1.34 0.00	28.58 1.26 0.00	30.66 1.24 0.00	32.91 1.20 0.00	36.95 1.49 0.00	46.02 2.23 0.00	67.56 4.24 0.00	78.59 5.28 0.00	75.26 5.19 0.00	52.60 3.21 0.00	44.76 2.33 0.00	38.84 1.74 0.00	35.20 1.35 0.00
PLEASANTVLY___LBMP 24000	32.29 0.73 0.00	28.58 0.67 0.00	27.39 0.59 0.00	25.77 0.55 0.00	26.07 0.56 0.00	28.58 0.70 0.00	38.03 1.00 0.00	39.69 1.23 0.00	33.96 1.02 0.00	27.95 0.87 0.00	27.32 0.95 0.00	27.09 0.89 0.00	28.28 0.96 0.00	30.72 1.06 -0.24	33.26 1.27 -0.29	37.45 1.49 -0.50	45.23 1.45 0.00	65.03 1.71 0.00	74.92 1.61 0.00	71.27 1.19 0.00	50.32 0.94 0.00	43.65 1.23 0.00	38.24 1.15 0.00	34.87 1.02 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	32.61 1.04 0.00	28.86 0.95 0.00	27.66 0.86 0.00	26.00 0.78 0.00	26.30 0.79 0.00	28.83 0.95 0.00	38.33 1.30 0.00	40.04 1.58 0.00	34.39 1.45 0.00	28.30 1.22 0.00	27.69 1.32 0.00	27.50 1.31 0.00	28.72 1.39 0.00	31.17 1.53 -0.22	33.75 1.78 -0.26	38.02 2.09 -0.47	45.85 2.06 0.00	65.79 2.47 0.00	75.87 2.57 0.00	72.11 2.03 0.00	50.82 1.43 0.00	44.12 1.70 0.00	38.72 1.63 0.00	35.31 1.46 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	32.61 1.04 0.00	28.86 0.95 0.00	27.66 0.86 0.00	26.00 0.78 0.00	26.30 0.79 0.00	28.83 0.95 0.00	38.33 1.30 0.00	40.04 1.58 0.00	34.39 1.45 0.00	28.30 1.22 0.00	27.69 1.32 0.00	27.50 1.31 0.00	28.72 1.39 0.00	31.17 1.53 -0.22	33.75 1.78 -0.26	38.02 2.09 -0.47	45.85 2.06 0.00	65.79 2.47 0.00	75.87 2.57 0.00	72.11 2.03 0.00	50.82 1.43 0.00	44.12 1.70 0.00	38.72 1.63 0.00	35.31 1.46 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	32.45 0.88 0.00	28.72 0.81 0.00	27.55 0.75 0.00	25.90 0.68 0.00	26.20 0.69 0.00	28.72 0.84 0.00	38.22 1.18 0.00	39.88 1.42 0.00	34.12 1.19 0.00	28.05 0.97 0.00	27.34 0.98 0.00	27.14 0.94 0.00	28.34 1.01 0.00	30.75 1.12 -0.21	33.33 1.36 -0.26	37.58 1.67 -0.45	45.50 1.71 0.00	65.54 2.22 0.00	75.65 2.35 0.00	71.90 1.82 0.00	50.77 1.38 0.00	43.99 1.57 0.00	38.50 1.41 0.00	35.07 1.22 0.00
POLETTI____ 23519	23.33 1.20 9.44	23.60 0.98 5.29	23.36 0.88 4.33	23.41 0.78 2.59	23.33 0.79 2.97	23.38 0.92 5.41	25.55 1.00 12.48	26.11 1.19 13.54	23.34 1.25 10.85	23.37 1.08 4.80	24.99 1.21 2.59	24.99 1.23 2.44	24.99 1.31 3.65	24.99 1.47 5.91	24.99 1.74 8.46	24.91 2.02 12.57	25.98 1.58 19.38	45.28 1.65 19.69	56.85 1.61 18.07	52.93 1.12 18.26	31.59 0.79 18.58	32.14 1.36 11.64	26.83 1.74 12.00	25.01 1.49 10.32
POMONA___ESR 323819	32.48 0.92 0.00	28.72 0.81 0.00	27.52 0.72 0.00	25.82 0.60 0.00	26.17 0.66 0.00	28.69 0.81 0.00	38.18 1.15 0.00	39.88 1.42 0.00	34.22 1.28 0.00	28.19 1.11 0.00	27.56 1.19 0.00	27.35 1.15 0.00	28.59 1.26 0.00	30.99 1.35 -0.21	33.58 1.62 -0.25	37.82 1.91 -0.45	45.67 1.88 0.00	65.60 2.28 0.00	75.72 2.42 0.00	71.83 1.75 0.00	50.62 1.24 0.00	43.91 1.48 0.00	38.61 1.52 0.00	35.14 1.29 0.00
PORT_JEFF_3 23555	32.26 0.69 0.00	28.25 0.34 0.00	26.86 0.19 0.13	25.29 0.08 0.00	25.66 0.15 0.00	27.92 0.17 0.13	37.36 0.33 0.01	39.11 0.65 0.01	33.76 0.82 0.00	27.76 0.68 0.00	27.58 1.21 0.00	27.37 1.18 0.00	28.69 1.37 0.00	31.26 1.62 -0.22	34.07 2.09 -0.27	38.49 2.55 -0.47	45.41 1.62 0.00	64.20 0.89 0.01	74.11 0.81 0.01	70.49 0.42 0.01	49.93 0.54 0.00	43.82 1.40 0.00	38.98 1.89 0.00	35.20 1.36 0.00
PORT_JEFF_4 23616	32.26 0.69 0.00	28.25 0.34 0.00	26.86 0.19 0.13	25.29 0.08 0.00	25.66 0.15 0.00	27.92 0.17 0.13	37.36 0.33 0.01	39.11 0.65 0.01	33.76 0.82 0.00	27.76 0.68 0.00	27.58 1.21 0.00	27.37 1.18 0.00	28.69 1.37 0.00	31.26 1.62 -0.22	34.07 2.09 -0.27	38.49 2.55 -0.47	45.41 1.62 0.00	64.20 0.89 0.01	74.11 0.81 0.01	70.49 0.42 0.01	49.93 0.54 0.00	43.82 1.40 0.00	38.98 1.89 0.00	35.20 1.36 0.00



PORT_JEFF_IC 23713	32.29 0.73 0.00	28.30 0.39 0.00	26.91 0.24 0.13	25.42 0.20 0.00	25.71 0.20 0.00	28.03 0.28 0.13	37.43 0.41 0.01	39.14 0.69 0.01	33.79 0.86 0.00	27.81 0.73 0.00	27.63 1.27 0.00	27.40 1.20 0.00	28.75 1.42 0.00	31.32 1.68 -0.22	34.14 2.16 -0.27	38.52 2.59 -0.47	45.50 1.71 0.00	64.01 0.70 0.01	73.96 0.66 0.01	70.35 0.28 0.01	49.98 0.59 0.00	43.95 1.53 0.00	39.02 1.93 0.00	35.27 1.42 0.00
PPL PILGRIM_ST_GT1 24216	32.80 1.23 0.00	28.72 0.81 0.00	27.48 0.70 0.01	25.70 0.48 0.00	26.07 0.56 0.00	28.56 0.70 0.01	37.95 0.93 0.01	39.68 1.23 0.01	34.26 1.32 0.00	28.13 1.06 0.00	27.95 1.58 0.00	27.71 1.52 0.00	29.05 1.72 0.00	31.70 2.06 -0.22	34.55 2.57 -0.27	38.98 3.05 -0.47	46.11 2.32 0.00	65.28 1.97 0.01	75.43 2.13 0.01	71.68 1.61 0.01	50.52 1.14 0.00	44.46 2.04 0.00	39.58 2.49 0.00	35.78 1.93 0.00
PPL PILGRIM_ST_GT2 24217	32.80 1.23 0.00	28.72 0.81 0.00	27.48 0.70 0.01	25.70 0.48 0.00	26.07 0.56 0.00	28.56 0.70 0.01	37.95 0.93 0.01	39.68 1.23 0.01	34.26 1.32 0.00	28.13 1.06 0.00	27.95 1.58 0.00	27.71 1.52 0.00	29.05 1.72 0.00	31.70 2.06 -0.22	34.55 2.57 -0.27	38.98 3.05 -0.47	46.11 2.32 0.00	65.28 1.97 0.01	75.43 2.13 0.01	71.68 1.61 0.01	50.52 1.14 0.00	44.46 2.04 0.00	39.58 2.49 0.00	35.78 1.93 0.00
PPL_SHRM_GT3 24213	31.82 0.25 0.00	27.86 -0.06 0.00	26.49 -0.19 0.13	24.94 -0.28 0.00	25.31 -0.20 0.00	27.53 -0.22 0.13	36.84 -0.18 0.01	38.61 0.15 0.01	33.33 0.40 0.00	27.41 0.33 0.00	27.27 0.90 0.00	27.03 0.84 0.00	28.34 1.01 0.00	30.88 1.24 -0.22	33.69 1.71 -0.27	38.10 2.16 -0.47	44.97 1.18 0.00	63.69 0.38 0.01	73.59 0.29 0.01	70.00 -0.07 0.01	49.44 0.05 0.00	43.44 1.02 0.00	38.61 1.52 0.00	34.83 0.98 0.00
PPL_SHRM_GT4 24214	31.82 0.25 0.00	27.86 -0.06 0.00	26.49 -0.19 0.13	24.94 -0.28 0.00	25.31 -0.20 0.00	27.53 -0.22 0.13	36.84 -0.18 0.01	38.61 0.15 0.01	33.33 0.40 0.00	27.41 0.33 0.00	27.27 0.90 0.00	27.03 0.84 0.00	28.34 1.01 0.00	30.88 1.24 -0.22	33.69 1.71 -0.27	38.10 2.16 -0.47	44.97 1.18 0.00	63.69 0.38 0.01	73.59 0.29 0.01	70.00 -0.07 0.01	49.44 0.05 0.00	43.44 1.02 0.00	38.61 1.52 0.00	34.83 0.98 0.00
PROJECT___ORANGE 1 24174	31.54 -0.03 0.00	27.88 -0.03 0.00	26.75 -0.05 0.00	25.17 -0.05 0.00	25.43 -0.08 0.00	27.71 -0.17 0.00	36.70 -0.33 0.00	38.11 -0.35 0.00	32.67 -0.26 0.00	26.89 -0.19 0.00	26.18 -0.18 0.00	26.01 -0.18 0.00	27.16 -0.16 0.00	29.28 -0.15 0.00	31.49 -0.22 0.00	35.18 -0.28 0.00	43.44 -0.35 0.00	62.75 -0.57 0.00	72.79 -0.51 0.00	69.66 -0.42 0.00	49.09 -0.30 0.00	42.04 -0.38 0.00	36.76 -0.33 0.00	33.61 -0.24 0.00
PROJECT___ORANGE 2 24166	31.54 -0.03 0.00	27.88 -0.03 0.00	26.75 -0.05 0.00	25.17 -0.05 0.00	25.43 -0.08 0.00	27.71 -0.17 0.00	36.70 -0.33 0.00	38.11 -0.35 0.00	32.67 -0.26 0.00	26.89 -0.19 0.00	26.18 -0.18 0.00	26.01 -0.18 0.00	27.16 -0.16 0.00	29.28 -0.15 0.00	31.49 -0.22 0.00	35.18 -0.28 0.00	43.44 -0.35 0.00	62.75 -0.57 0.00	72.79 -0.51 0.00	69.66 -0.42 0.00	49.09 -0.30 0.00	42.04 -0.38 0.00	36.76 -0.33 0.00	33.61 -0.24 0.00
PUCKETT___SOLAR 323809	32.17 0.60 0.00	28.44 0.53 0.00	27.31 0.51 0.00	25.70 0.48 0.00	25.97 0.46 0.00	28.32 0.44 0.00	37.48 0.45 0.00	38.84 0.38 0.00	33.27 0.33 0.00	27.27 0.19 0.00	26.45 0.08 0.00	26.25 0.05 0.00	27.41 0.08 0.00	29.55 0.09 -0.04	31.85 0.10 -0.04	35.75 0.21 -0.08	44.36 0.57 0.00	64.21 0.89 0.00	74.85 1.54 0.00	71.55 1.47 0.00	50.32 0.94 0.00	43.02 0.59 0.00	37.65 0.56 0.00	34.49 0.64 0.00
PYRITES___HYD 24023	32.01 0.44 0.00	28.39 0.47 0.00	27.31 0.51 0.00	25.67 0.45 0.00	26.07 0.56 0.00	28.63 0.75 0.00	38.10 1.07 0.00	39.46 1.00 0.00	33.66 0.72 0.00	27.51 0.43 0.00	26.71 0.34 0.00	26.67 0.47 0.00	27.74 0.41 0.00	29.75 0.32 0.00	31.93 0.22 0.00	35.88 0.43 0.00	44.71 0.92 0.00	65.66 2.34 0.00	76.75 3.45 0.00	73.72 3.64 0.00	51.56 2.17 0.00	43.99 1.57 0.00	38.21 1.11 0.00	34.70 0.85 0.00
QUAKERRD_115KV_BK1 80622	30.94 -0.63 0.00	27.30 -0.61 0.00	26.18 -0.62 0.00	24.69 -0.53 0.00	24.87 -0.64 0.00	26.96 -0.92 0.00	35.59 -1.44 0.00	36.73 -1.73 0.00	31.72 -1.22 0.00	26.32 -0.76 0.00	25.71 -0.66 0.00	25.54 -0.65 0.00	26.73 -0.60 0.00	28.78 -0.65 0.00	30.82 -0.89 0.00	34.43 -1.03 0.00	42.61 -1.18 0.00	61.23 -2.09 0.00	71.11 -2.20 0.00	68.05 -2.03 0.00	48.05 -1.33 0.00	40.81 -1.61 0.00	35.87 -1.22 0.00	33.00 -0.85 0.00
QUENSBRY_115KV_TB8 356137	32.52 0.95 0.00	28.69 0.78 0.00	27.66 0.86 0.00	26.02 0.81 0.00	26.25 0.74 0.00	28.74 0.86 0.00	38.25 1.22 0.00	39.61 1.15 0.00	33.63 0.69 0.00	27.40 0.32 0.00	26.47 0.11 0.00	26.14 -0.05 0.00	27.25 -0.08 0.00	29.25 -0.03 0.14	31.69 0.16 0.17	35.54 0.39 0.31	44.80 1.01 0.00	65.16 1.84 0.00	75.87 2.57 0.00	72.46 2.38 0.00	50.92 1.53 0.00	43.65 1.23 0.00	38.32 1.22 0.00	34.70 0.85 0.00
RAMAPO___LBMP 323565	32.36 0.79 0.00	28.64 0.73 0.00	27.44 0.64 0.00	25.80 0.58 0.00	26.10 0.59 0.00	28.63 0.75 0.00	38.03 1.00 0.00	39.77 1.31 0.00	34.09 1.15 0.00	28.11 1.03 0.00	27.48 1.11 0.00	27.27 1.07 0.00	28.48 1.15 0.00	30.90 1.27 -0.21	33.42 1.46 -0.25	37.64 1.74 -0.44	45.50 1.71 0.00	65.35 2.03 0.00	75.43 2.13 0.00	71.62 1.54 0.00	50.42 1.04 0.00	43.78 1.36 0.00	38.43 1.34 0.00	35.03 1.18 0.00
RANKINE____ 23646	31.66 0.09 0.00	27.83 -0.08 0.00	26.69 -0.11 0.00	25.17 -0.05 0.00	25.31 -0.20 0.00	27.18 -0.70 0.00	35.44 -1.59 0.00	36.08 -2.38 0.00	31.59 -1.35 0.00	26.56 -0.51 0.00	26.05 -0.32 0.00	25.96 -0.24 0.00	27.19 -0.14 0.00	29.33 -0.09 0.00	31.20 -0.51 0.00	34.71 -0.74 0.00	42.91 -0.88 0.00	60.72 -2.60 0.00	70.59 -2.71 0.00	67.34 -2.73 0.00	47.66 -1.73 0.00	40.09 -2.33 0.00	35.61 -1.48 0.00	33.31 -0.54 0.00
RAVENSWOOD_GT2_1 24244	32.80 1.23 0.00	29.00 1.09 0.00	27.79 0.99 0.00	26.10 0.88 0.00	26.40 0.89 0.00	28.97 1.09 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.00 2.03 -0.26	38.27 2.34 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.09 2.79 0.00	72.25 2.17 0.00	50.92 1.53 0.00	44.29 1.87 0.00	38.95 1.85 0.00	35.54 1.69 0.00
RAVENSWOOD_GT2_2 24245	32.80 1.23 0.00	29.00 1.09 0.00	27.79 0.99 0.00	26.10 0.88 0.00	26.40 0.89 0.00	28.97 1.09 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.00 2.03 -0.26	38.27 2.34 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.09 2.79 0.00	72.25 2.17 0.00	50.92 1.53 0.00	44.29 1.87 0.00	38.95 1.85 0.00	35.54 1.69 0.00



RAVENSWOOD_GT2_3 24246	32.80 1.23 0.00	29.03 1.12 0.00	27.79 0.99 0.00	26.13 0.91 0.00	26.43 0.92 0.00	28.97 1.09 0.00	38.47 1.44 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.90 1.53 0.00	27.71 1.52 0.00	28.94 1.61 0.00	31.44 1.79 -0.22	34.03 2.06 -0.26	38.30 2.38 -0.47	46.02 2.23 0.00	66.04 2.72 0.00	76.17 2.86 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.33 1.91 0.00	38.98 1.89 0.00	35.54 1.69 0.00
RAVENSWOOD_GT2_4 24247	32.80 1.23 0.00	29.03 1.12 0.00	27.79 0.99 0.00	26.13 0.91 0.00	26.43 0.92 0.00	28.97 1.09 0.00	38.47 1.44 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.90 1.53 0.00	27.71 1.52 0.00	28.94 1.61 0.00	31.44 1.79 -0.22	34.03 2.06 -0.26	38.30 2.38 -0.47	46.02 2.23 0.00	66.04 2.72 0.00	76.17 2.86 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.33 1.91 0.00	38.98 1.89 0.00	35.54 1.69 0.00
RAVENSWOOD_GT3_1 24248	32.80 1.23 0.00	29.00 1.09 0.00	27.79 0.99 0.00	26.13 0.91 0.00	26.40 0.89 0.00	28.97 1.09 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.00 2.03 -0.26	38.30 2.38 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.09 2.79 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.29 1.87 0.00	38.98 1.89 0.00	35.54 1.69 0.00
RAVENSWOOD_GT3_2 24249	32.80 1.23 0.00	29.00 1.09 0.00	27.79 0.99 0.00	26.13 0.91 0.00	26.40 0.89 0.00	28.97 1.09 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.00 2.03 -0.26	38.30 2.38 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.09 2.79 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.29 1.87 0.00	38.98 1.89 0.00	35.54 1.69 0.00
RAVENSWOOD_GT3_3 24250	32.80 1.23 0.00	29.00 1.09 0.00	27.79 0.99 0.00	26.15 0.93 0.00	26.43 0.92 0.00	28.99 1.12 0.00	38.51 1.48 0.00	40.23 1.77 0.00	34.62 1.68 0.00	28.51 1.44 0.00	27.92 1.56 0.00	27.74 1.55 0.00	28.97 1.64 0.00	31.47 1.82 -0.22	34.07 2.09 -0.26	38.34 2.41 -0.47	46.07 2.28 0.00	66.11 2.79 0.00	76.24 2.93 0.00	72.39 2.31 0.00	51.02 1.63 0.00	44.37 1.95 0.00	39.02 1.93 0.00	35.58 1.73 0.00
RAVENSWOOD_GT3_4 24251	32.80 1.23 0.00	29.00 1.09 0.00	27.79 0.99 0.00	26.15 0.93 0.00	26.43 0.92 0.00	28.99 1.12 0.00	38.51 1.48 0.00	40.23 1.77 0.00	34.62 1.68 0.00	28.51 1.44 0.00	27.92 1.56 0.00	27.74 1.55 0.00	28.97 1.64 0.00	31.47 1.82 -0.22	34.07 2.09 -0.26	38.34 2.41 -0.47	46.07 2.28 0.00	66.11 2.79 0.00	76.24 2.93 0.00	72.39 2.31 0.00	51.02 1.63 0.00	44.37 1.95 0.00	39.02 1.93 0.00	35.58 1.73 0.00
RAVENSWOOD_GT_1 23729	32.97 1.39 -0.01	29.15 1.23 -0.01	27.93 1.13 -0.01	26.24 1.01 -0.01	26.54 1.02 -0.01	29.08 1.20 0.00	38.51 1.48 0.00	40.23 1.77 0.00	34.68 1.75 0.00	28.57 1.49 0.00	27.98 1.61 0.00	27.79 1.60 0.00	29.05 1.72 0.00	31.55 1.91 -0.22	34.16 2.19 -0.26	38.41 2.48 -0.47	46.02 2.23 0.00	65.92 2.60 0.00	76.09 2.79 0.00	72.25 2.17 0.00	50.92 1.53 0.00	44.33 1.91 0.00	39.14 2.04 -0.01	35.72 1.86 -0.01
RAVENSWOOD_GT_10 24258	32.80 1.23 0.00	29.00 1.09 0.00	27.76 0.96 0.00	26.10 0.88 0.00	26.40 0.89 0.00	28.97 1.09 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.00 2.03 -0.26	38.27 2.34 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.09 2.79 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.29 1.87 0.00	38.95 1.85 0.00	35.54 1.69 0.00
RAVENSWOOD_GT_11 24259	32.80 1.23 0.00	29.00 1.09 0.00	27.76 0.96 0.00	26.10 0.88 0.00	26.40 0.89 0.00	28.97 1.09 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.00 2.03 -0.26	38.27 2.34 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.09 2.79 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.29 1.87 0.00	38.95 1.85 0.00	35.54 1.69 0.00
RAVENSWOOD_GT_4 24252	32.76 1.20 0.01	28.97 1.06 0.01	27.76 0.96 0.01	26.07 0.86 0.01	26.37 0.87 0.01	28.94 1.06 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.55 1.61 0.00	28.46 1.38 0.00	27.87 1.50 0.00	27.66 1.47 0.00	28.88 1.56 0.00	31.38 1.74 -0.22	33.97 2.00 -0.26	38.27 2.34 -0.47	46.02 2.23 0.00	66.04 2.72 0.00	76.17 2.86 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.29 1.87 0.00	38.91 1.82 0.01	35.50 1.66 0.01
RAVENSWOOD_GT_5 24254	32.76 1.20 0.01	28.97 1.06 0.01	27.76 0.96 0.01	26.07 0.86 0.01	26.37 0.87 0.01	28.94 1.06 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.55 1.61 0.00	28.46 1.38 0.00	27.87 1.50 0.00	27.66 1.47 0.00	28.88 1.56 0.00	31.38 1.74 -0.22	33.97 2.00 -0.26	38.27 2.34 -0.47	46.02 2.23 0.00	66.04 2.72 0.00	76.17 2.86 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.29 1.87 0.00	38.91 1.82 0.01	35.50 1.66 0.01
RAVENSWOOD_GT_6 24253	32.76 1.20 0.01	28.97 1.06 0.01	27.76 0.96 0.01	26.07 0.86 0.01	26.37 0.87 0.01	28.94 1.06 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.55 1.61 0.00	28.46 1.38 0.00	27.87 1.50 0.00	27.66 1.47 0.00	28.88 1.56 0.00	31.38 1.74 -0.22	33.97 2.00 -0.26	38.27 2.34 -0.47	46.02 2.23 0.00	66.04 2.72 0.00	76.17 2.86 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.29 1.87 0.00	38.91 1.82 0.01	35.50 1.66 0.01
RAVENSWOOD_GT_7 24255	32.76 1.20 0.01	28.97 1.06 0.01	27.76 0.96 0.01	26.07 0.86 0.01	26.37 0.87 0.01	28.94 1.06 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.55 1.61 0.00	28.46 1.38 0.00	27.87 1.50 0.00	27.66 1.47 0.00	28.88 1.56 0.00	31.38 1.74 -0.22	33.97 2.00 -0.26	38.27 2.34 -0.47	46.02 2.23 0.00	66.04 2.72 0.00	76.17 2.86 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.29 1.87 0.00	38.91 1.82 0.01	35.50 1.66 0.01
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	32.80 1.23 0.00	29.00 1.09 0.00	27.76 0.96 0.00	26.10 0.88 0.00	26.40 0.89 0.00	28.97 1.09 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.00 2.03 -0.26	38.27 2.34 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.09 2.79 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.29 1.87 0.00	38.95 1.85 0.00	35.54 1.69 0.00
RAVENSWOOD_GT_9 24257	32.80 1.23 0.00	29.00 1.09 0.00	27.76 0.96 0.00	26.10 0.88 0.00	26.40 0.89 0.00	28.97 1.09 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.00 2.03 -0.26	38.27 2.34 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.09 2.79 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.29 1.87 0.00	38.95 1.85 0.00	35.54 1.69 0.00



RAVENSWOOD___1 23533	32.96 1.39 -0.01	29.12 1.20 -0.01	27.91 1.10 -0.01	26.16 0.93 -0.01	26.54 1.02 -0.01	29.02 1.14 0.00	38.47 1.44 0.00	40.19 1.73 0.00	34.68 1.74 0.00	28.51 1.43 0.00	27.98 1.61 0.00	27.79 1.60 0.00	29.05 1.72 0.00	31.55 1.91 -0.22	34.16 2.19 -0.26	38.48 2.55 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.92 1.53 0.00	44.29 1.86 0.00	39.18 2.08 -0.01	35.68 1.83 -0.01
RAVENSWOOD___2 23534	32.90 1.33 -0.01	29.06 1.14 -0.01	27.85 1.04 -0.01	26.11 0.88 -0.01	26.49 0.97 -0.01	28.97 1.09 0.00	38.44 1.41 0.00	40.15 1.69 0.00	34.62 1.68 0.00	28.46 1.38 0.00	27.92 1.56 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.10 2.12 -0.26	38.41 2.48 -0.47	45.93 2.15 0.00	65.47 2.15 0.00	75.58 2.28 0.00	71.83 1.75 0.00	50.57 1.18 0.00	44.25 1.82 0.00	39.10 2.00 -0.01	35.62 1.76 -0.01
RAVENSWOOD___3 23535	32.80 1.23 0.00	29.00 1.09 0.00	27.76 0.96 0.00	26.02 0.81 0.00	26.40 0.89 0.00	28.91 1.03 0.00	38.44 1.41 0.00	40.19 1.73 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.03 2.06 -0.26	38.34 2.41 -0.47	46.02 2.23 0.00	66.04 2.72 0.00	76.09 2.78 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.25 1.82 0.00	39.02 1.93 0.00	35.51 1.66 0.00
RAVENSWOOD___4 23820	32.93 1.36 -0.01	29.12 1.20 -0.01	27.91 1.10 -0.01	26.16 0.93 -0.01	26.51 0.99 -0.01	29.02 1.14 0.00	38.47 1.44 0.00	40.19 1.73 0.00	34.68 1.74 0.00	28.51 1.43 0.00	27.98 1.61 0.00	27.79 1.60 0.00	29.05 1.72 0.00	31.53 1.88 -0.22	34.16 2.19 -0.26	38.48 2.55 -0.47	46.02 2.23 0.00	65.98 2.66 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.92 1.53 0.00	44.29 1.86 0.00	39.18 2.08 -0.01	35.68 1.83 -0.01
RCPL_TRUST___DRP 24196	32.77 1.20 0.00	29.00 1.09 0.00	27.76 0.96 0.00	26.10 0.88 0.00	26.40 0.89 0.00	28.94 1.06 0.00	38.47 1.44 0.00	40.23 1.77 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.00 2.03 -0.26	38.27 2.34 -0.47	46.02 2.23 0.00	66.04 2.72 0.00	76.09 2.79 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.29 1.87 0.00	38.95 1.85 0.00	35.51 1.66 0.00
RED___ROCHESTER 323720	31.79 0.22 0.00	28.02 0.11 0.00	26.91 0.11 0.00	25.44 0.23 0.00	25.56 0.05 0.00	27.71 -0.17 0.00	36.40 -0.63 0.00	37.50 -0.96 0.00	32.44 -0.49 0.00	27.00 -0.08 0.00	26.39 0.03 0.00	26.22 0.03 0.00	27.46 0.14 0.00	29.60 0.18 0.00	31.71 0.00 0.00	35.32 -0.14 0.00	43.75 -0.04 0.00	62.69 -0.63 0.00	72.87 -0.44 0.00	69.66 -0.42 0.00	49.24 -0.15 0.00	41.79 -0.64 0.00	36.76 -0.33 0.00	33.92 0.07 0.00
REGAN___SOLAR 323812	33.59 2.02 0.00	29.64 1.73 0.00	28.57 1.77 0.00	26.86 1.64 0.00	27.12 1.61 0.00	29.67 1.79 0.00	39.51 2.48 0.00	40.77 2.31 0.00	34.19 1.25 0.00	27.51 0.43 0.00	26.39 0.03 0.00	26.06 -0.13 0.00	27.14 -0.19 0.00	29.16 -0.18 0.09	31.60 0.00 0.11	35.80 0.53 0.19	45.45 1.66 0.00	67.12 3.80 0.00	78.95 5.65 0.00	75.47 5.40 0.00	52.94 3.56 0.00	45.31 2.89 0.00	39.73 2.63 0.00	36.02 2.17 0.00
RENSSELAER___COGEN 23796	31.73 0.16 0.00	28.05 0.14 0.00	26.93 0.13 0.00	25.32 0.10 0.00	25.61 0.10 0.00	28.05 0.17 0.00	37.36 0.33 0.00	38.92 0.46 0.00	33.14 0.20 0.00	27.16 0.08 0.00	26.45 0.08 0.00	26.22 0.03 0.00	27.35 0.03 0.00	29.35 0.06 0.13	31.74 0.19 0.16	35.29 0.11 0.27	43.75 -0.04 0.00	63.13 -0.19 0.00	72.79 -0.44 0.08	69.49 -0.56 0.03	49.14 -0.25 0.00	42.38 -0.04 0.00	37.09 0.00 0.00	33.78 -0.07 0.00
REPUBLIC_115KV_BARTNBRK 55605	33.72 2.15 0.00	29.73 1.81 0.00	28.73 1.93 0.00	27.03 1.82 0.00	27.22 1.71 0.00	29.78 1.90 0.00	39.66 2.63 0.00	41.00 2.54 0.00	34.68 1.75 0.00	28.14 1.06 0.00	27.05 0.69 0.00	26.67 0.47 0.00	27.71 0.38 0.00	29.81 0.53 0.15	32.33 0.79 0.18	36.42 1.28 0.31	46.42 2.63 0.00	67.82 4.50 0.00	79.46 6.16 0.00	75.96 5.89 0.00	53.14 3.75 0.00	45.35 2.93 0.00	39.87 2.78 0.00	35.98 2.13 0.00
REVERE_CPPR_DRP 24186	32.33 0.76 0.00	28.61 0.70 0.00	27.52 0.72 0.00	25.85 0.63 0.00	26.20 0.69 0.00	28.69 0.81 0.00	38.07 1.04 0.00	39.54 1.08 0.00	33.73 0.79 0.00	27.49 0.41 0.00	26.68 0.32 0.00	26.51 0.31 0.00	27.66 0.33 0.00	29.72 0.29 0.00	31.99 0.29 0.00	35.96 0.50 0.00	44.66 0.88 0.00	64.97 1.65 0.00	75.80 2.49 0.00	72.67 2.59 0.00	50.97 1.58 0.00	43.61 1.19 0.00	38.02 0.93 0.00	34.66 0.81 0.00
REYNLDPA_13_KV_LD 356490	31.60 0.03 0.00	27.99 0.08 0.00	26.88 0.08 0.00	25.32 0.10 0.00	25.61 0.10 0.00	28.10 0.22 0.00	37.40 0.37 0.00	38.73 0.27 0.00	33.20 0.26 0.00	27.29 0.22 0.00	26.55 0.19 0.00	26.51 0.32 0.00	27.57 0.25 0.00	29.63 0.21 0.00	31.87 0.16 0.00	35.67 0.21 0.00	44.23 0.44 0.00	64.40 1.08 0.00	74.77 1.47 0.00	71.55 1.47 0.00	50.22 0.84 0.00	43.02 0.59 0.00	37.50 0.41 0.00	34.12 0.27 0.00
REYNOLDS_115KV_TB3 80639	31.98 0.41 0.00	28.27 0.36 0.00	27.15 0.35 0.00	25.55 0.33 0.00	25.82 0.31 0.00	28.33 0.45 0.00	37.70 0.67 0.00	39.27 0.81 0.00	33.40 0.46 0.00	27.40 0.32 0.00	26.68 0.32 0.00	26.43 0.24 0.00	27.57 0.25 0.00	29.56 0.29 0.16	31.99 0.48 0.19	35.62 0.50 0.34	44.27 0.48 0.00	63.83 0.51 0.00	73.67 0.37 0.00	70.29 0.21 0.00	49.68 0.30 0.00	42.89 0.47 0.00	37.50 0.41 0.00	34.15 0.30 0.00
RIVERBAY____ 323610	33.41 1.83 -0.01	29.48 1.56 -0.01	28.25 1.45 -0.01	26.56 1.34 -0.01	26.84 1.33 -0.01	29.38 1.51 0.00	38.77 1.74 0.00	40.42 1.96 0.00	34.85 1.91 0.00	28.68 1.60 0.00	28.08 1.71 0.00	27.92 1.73 0.00	29.19 1.86 0.00	31.70 2.06 -0.22	34.32 2.35 -0.26	38.62 2.69 -0.47	46.24 2.45 0.00	66.23 2.91 0.00	76.39 3.08 0.00	72.60 2.52 0.00	51.16 1.78 0.00	44.59 2.16 0.00	39.55 2.45 -0.01	36.06 2.20 -0.01
RIVERSDE_115KV_TB3 55908	31.88 0.32 0.00	28.16 0.25 0.00	27.07 0.27 0.00	25.47 0.25 0.00	25.74 0.23 0.00	28.21 0.33 0.00	37.55 0.52 0.00	39.08 0.62 0.00	33.27 0.33 0.00	27.30 0.22 0.00	26.58 0.21 0.00	26.33 0.13 0.00	27.46 0.14 0.00	29.45 0.18 0.14	31.88 0.35 0.18	35.47 0.32 0.31	44.05 0.26 0.00	63.57 0.25 0.00	73.38 0.07 0.00	70.01 -0.07 0.00	49.44 0.05 0.00	42.68 0.25 0.00	37.32 0.22 0.00	33.99 0.14 0.00
ROARING___BROOK_WT_PWR 323790	31.19 -0.38 0.00	27.63 -0.28 0.00	26.58 -0.22 0.00	25.01 -0.20 0.00	25.33 -0.18 0.00	27.74 -0.14 0.00	36.92 -0.11 0.00	38.38 -0.08 0.00	32.90 -0.03 0.00	27.08 0.00 0.00	26.37 0.00 0.00	26.22 0.03 0.00	27.35 0.03 0.00	29.42 0.00 0.00	31.68 -0.03 0.00	35.46 0.00 0.00	43.83 0.04 0.00	63.45 0.13 0.00	73.53 0.22 0.00	70.29 0.21 0.00	49.48 0.10 0.00	42.47 0.04 0.00	37.06 -0.04 0.00	33.75 -0.10 0.00



ROCHESRG_115KV_T4 355643	31.54 -0.03 0.00	27.80 -0.11 0.00	26.69 -0.11 0.00	25.14 -0.08 0.00	25.33 -0.18 0.00	27.41 -0.47 0.00	36.11 -0.93 0.00	37.15 -1.31 0.00	32.18 -0.76 0.00	26.75 -0.32 0.00	26.13 -0.24 0.00	25.98 -0.21 0.00	27.22 -0.11 0.00	29.31 -0.12 0.00	31.33 -0.38 0.00	34.96 -0.50 0.00	43.26 -0.53 0.00	61.99 -1.33 0.00	72.06 -1.25 0.00	68.89 -1.19 0.00	48.69 -0.69 0.00	41.32 -1.10 0.00	36.39 -0.70 0.00	33.54 -0.30 0.00
ROCHESTER_9_IC 23652	31.66 0.09 0.00	27.91 0.00 0.00	26.77 -0.03 0.00	25.24 0.03 0.00	25.41 -0.10 0.00	27.52 -0.36 0.00	36.25 -0.78 0.00	37.34 -1.12 0.00	32.31 -0.63 0.00	26.86 -0.22 0.00	26.26 -0.11 0.00	26.12 -0.08 0.00	27.35 0.03 0.00	29.42 0.00 0.00	31.46 -0.25 0.00	35.14 -0.32 0.00	43.53 -0.26 0.00	62.37 -0.95 0.00	72.50 -0.81 0.00	69.31 -0.77 0.00	48.99 -0.40 0.00	41.58 -0.85 0.00	36.57 -0.52 0.00	33.71 -0.14 0.00
ROCKVIEW_13_KV_LD 356306	32.71 1.14 0.00	28.94 1.03 0.00	27.74 0.94 0.00	26.07 0.86 0.00	26.35 0.84 0.00	28.91 1.03 0.00	38.44 1.41 0.00	40.15 1.69 0.00	34.52 1.58 0.00	28.43 1.35 0.00	27.82 1.45 0.00	27.64 1.44 0.00	28.86 1.53 0.00	31.35 1.71 -0.22	33.94 1.97 -0.26	38.23 2.30 -0.47	46.02 2.23 0.00	66.04 2.72 0.00	76.24 2.93 0.00	72.39 2.31 0.00	51.02 1.63 0.00	44.33 1.91 0.00	38.87 1.78 0.00	35.47 1.62 0.00
ROME____115KV_TB2 80656	32.33 0.76 0.00	28.61 0.70 0.00	27.52 0.72 0.00	25.85 0.63 0.00	26.20 0.69 0.00	28.69 0.81 0.00	38.07 1.04 0.00	39.54 1.08 0.00	33.73 0.79 0.00	27.49 0.41 0.00	26.68 0.32 0.00	26.51 0.31 0.00	27.66 0.33 0.00	29.72 0.29 0.00	31.99 0.29 0.00	35.96 0.50 0.00	44.66 0.88 0.00	64.97 1.65 0.00	75.80 2.49 0.00	72.67 2.59 0.00	50.97 1.58 0.00	43.61 1.19 0.00	38.02 0.93 0.00	34.66 0.81 0.00
ROSETON___1 23587	32.30 0.73 0.00	28.55 0.64 0.00	27.39 0.59 0.00	25.70 0.48 0.00	26.05 0.54 0.00	28.52 0.64 0.00	37.99 0.96 0.00	39.65 1.19 0.00	33.96 1.02 0.00	27.95 0.87 0.00	27.32 0.95 0.00	27.11 0.92 0.00	28.28 0.96 0.00	30.69 1.06 -0.21	33.19 1.24 -0.25	37.39 1.49 -0.44	45.23 1.44 0.00	65.03 1.71 0.00	74.99 1.69 0.00	71.27 1.19 0.00	50.32 0.94 0.00	43.61 1.19 0.00	38.28 1.19 0.00	34.86 1.01 0.00
ROSETON___2 23588	32.30 0.73 0.00	28.55 0.64 0.00	27.39 0.59 0.00	25.70 0.48 0.00	26.05 0.54 0.00	28.52 0.64 0.00	37.99 0.96 0.00	39.65 1.19 0.00	33.96 1.02 0.00	27.95 0.87 0.00	27.32 0.95 0.00	27.11 0.92 0.00	28.28 0.96 0.00	30.69 1.06 -0.21	33.19 1.24 -0.25	37.39 1.49 -0.44	45.23 1.44 0.00	65.03 1.71 0.00	74.99 1.69 0.00	71.27 1.19 0.00	50.32 0.94 0.00	43.61 1.19 0.00	38.28 1.19 0.00	34.86 1.01 0.00
ROTTRDAM_115KV_TB3 80664	32.23 0.66 0.00	28.47 0.56 0.00	27.36 0.56 0.00	25.72 0.50 0.00	26.02 0.51 0.00	28.46 0.59 0.00	37.88 0.85 0.00	39.34 0.88 0.00	33.50 0.56 0.00	27.43 0.35 0.00	26.66 0.29 0.00	26.43 0.24 0.00	27.55 0.22 0.00	29.58 0.26 0.11	31.96 0.38 0.13	35.75 0.53 0.24	44.58 0.79 0.00	64.52 1.20 0.00	74.70 1.39 0.00	71.34 1.26 0.00	50.32 0.94 0.00	43.31 0.89 0.00	37.91 0.82 0.00	34.53 0.68 0.00
RUSSELL___1 23602	31.79 0.22 0.00	27.99 0.08 0.00	26.88 0.08 0.00	25.32 0.10 0.00	25.51 0.00 0.00	27.60 -0.28 0.00	36.40 -0.63 0.00	37.46 -1.00 0.00	32.44 -0.49 0.00	26.97 -0.11 0.00	26.39 0.03 0.00	26.22 0.03 0.00	27.46 0.14 0.00	29.57 0.15 0.00	31.61 -0.10 0.00	35.32 -0.14 0.00	43.75 -0.04 0.00	62.69 -0.63 0.00	72.87 -0.44 0.00	69.66 -0.42 0.00	49.24 -0.15 0.00	41.79 -0.64 0.00	36.76 -0.33 0.00	33.88 0.03 0.00
RUSSELL___2 23532	31.79 0.22 0.00	27.99 0.08 0.00	26.88 0.08 0.00	25.32 0.10 0.00	25.51 0.00 0.00	27.60 -0.28 0.00	36.40 -0.63 0.00	37.46 -1.00 0.00	32.44 -0.49 0.00	26.97 -0.11 0.00	26.39 0.03 0.00	26.22 0.03 0.00	27.46 0.14 0.00	29.57 0.15 0.00	31.61 -0.10 0.00	35.32 -0.14 0.00	43.75 -0.04 0.00	62.69 -0.63 0.00	72.87 -0.44 0.00	69.66 -0.42 0.00	49.24 -0.15 0.00	41.79 -0.64 0.00	36.76 -0.33 0.00	33.88 0.03 0.00
RUSSELL___3 23549	31.79 0.22 0.00	27.99 0.08 0.00	26.88 0.08 0.00	25.32 0.10 0.00	25.51 0.00 0.00	27.60 -0.28 0.00	36.40 -0.63 0.00	37.46 -1.00 0.00	32.44 -0.49 0.00	26.97 -0.11 0.00	26.39 0.03 0.00	26.22 0.03 0.00	27.46 0.14 0.00	29.57 0.15 0.00	31.61 -0.10 0.00	35.32 -0.14 0.00	43.75 -0.04 0.00	62.69 -0.63 0.00	72.87 -0.44 0.00	69.66 -0.42 0.00	49.24 -0.15 0.00	41.79 -0.64 0.00	36.76 -0.33 0.00	33.88 0.03 0.00
RUSSELL___4 23556	31.79 0.22 0.00	27.99 0.08 0.00	26.88 0.08 0.00	25.32 0.10 0.00	25.51 0.00 0.00	27.60 -0.28 0.00	36.40 -0.63 0.00	37.46 -1.00 0.00	32.44 -0.49 0.00	26.97 -0.11 0.00	26.39 0.03 0.00	26.22 0.03 0.00	27.46 0.14 0.00	29.57 0.15 0.00	31.61 -0.10 0.00	35.32 -0.14 0.00	43.75 -0.04 0.00	62.69 -0.63 0.00	72.87 -0.44 0.00	69.66 -0.42 0.00	49.24 -0.15 0.00	41.79 -0.64 0.00	36.76 -0.33 0.00	33.88 0.03 0.00
RUSSELL___STATION 23914	31.79 0.22 0.00	27.99 0.08 0.00	26.88 0.08 0.00	25.32 0.10 0.00	25.51 0.00 0.00	27.60 -0.28 0.00	36.40 -0.63 0.00	37.46 -1.00 0.00	32.44 -0.49 0.00	26.97 -0.11 0.00	26.39 0.03 0.00	26.22 0.03 0.00	27.46 0.14 0.00	29.57 0.15 0.00	31.61 -0.10 0.00	35.32 -0.14 0.00	43.75 -0.04 0.00	62.69 -0.63 0.00	72.87 -0.44 0.00	69.66 -0.42 0.00	49.24 -0.15 0.00	41.79 -0.64 0.00	36.76 -0.33 0.00	33.88 0.03 0.00
S SALMON___HYD 24043	31.60 0.03 0.00	27.97 0.06 0.00	26.85 0.05 0.00	25.27 0.05 0.00	25.56 0.05 0.00	27.91 0.03 0.00	36.99 -0.04 0.00	38.38 -0.08 0.00	32.84 -0.10 0.00	26.89 -0.19 0.00	26.13 -0.24 0.00	25.96 -0.24 0.00	27.08 -0.25 0.00	29.16 -0.27 0.00	31.36 -0.35 0.00	35.07 -0.39 0.00	43.39 -0.39 0.00	63.01 -0.32 0.00	73.38 0.07 0.00	70.36 0.28 0.00	49.58 0.20 0.00	42.47 0.04 0.00	37.06 -0.04 0.00	33.85 0.00 0.00
S.PERRY__115KV_TB1 80734	32.58 1.01 0.00	28.69 0.78 0.00	27.52 0.72 0.00	25.92 0.71 0.00	26.10 0.59 0.00	28.30 0.42 0.00	37.25 0.22 0.00	38.34 -0.12 0.00	33.04 0.10 0.00	27.30 0.22 0.00	26.53 0.16 0.00	26.33 0.13 0.00	27.57 0.25 0.00	29.72 0.29 0.00	31.74 0.03 0.00	35.64 0.18 0.00	44.49 0.70 0.00	64.33 1.01 0.00	75.43 2.13 0.00	72.18 2.10 0.00	50.87 1.48 0.00	42.93 0.51 0.00	37.72 0.63 0.00	34.83 0.98 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	31.47 -0.09 0.00	27.72 -0.20 0.00	26.59 -0.21 0.00	25.09 -0.13 0.00	25.20 -0.31 0.00	26.99 -0.89 0.00	35.14 -1.89 0.00	35.73 -2.73 0.00	31.32 -1.61 0.00	26.38 -0.70 0.00	25.87 -0.50 0.00	25.78 -0.42 0.00	27.00 -0.33 0.00	29.13 -0.29 0.00	30.95 -0.76 0.00	34.40 -1.06 0.00	42.43 -1.36 0.00	60.03 -3.29 0.00	69.72 -3.59 0.00	66.50 -3.57 0.00	47.16 -2.22 0.00	39.71 -2.72 0.00	35.31 -1.78 0.00	33.04 -0.81 0.00



SAWYER___23_KV_LOAD 55526	31.47 -0.09 0.00	27.72 -0.20 0.00	26.59 -0.21 0.00	25.09 -0.13 0.00	25.20 -0.31 0.00	26.99 -0.89 0.00	35.14 -1.89 0.00	35.73 -2.73 0.00	31.32 -1.61 0.00	26.38 -0.70 0.00	25.87 -0.50 0.00	25.78 -0.42 0.00	27.00 -0.33 0.00	29.13 -0.29 0.00	30.95 -0.76 0.00	34.40 -1.06 0.00	42.43 -1.36 0.00	60.03 -3.29 0.00	69.72 -3.59 0.00	66.50 -3.57 0.00	47.16 -2.22 0.00	39.71 -2.72 0.00	35.31 -1.78 0.00	33.04 -0.81 0.00
SELKIRK___I 23801	32.07 0.50 0.00	28.33 0.42 0.00	27.23 0.43 0.00	25.60 0.38 0.00	25.89 0.38 0.00	28.32 0.44 0.00	37.70 0.67 0.00	39.19 0.73 0.00	33.30 0.36 0.00	27.24 0.16 0.00	26.47 0.11 0.00	26.25 0.05 0.00	27.38 0.05 0.00	29.47 0.12 0.08	31.84 0.22 0.09	35.48 0.18 0.16	43.13 -0.66 0.00	62.43 -0.89 0.00	70.62 -1.10 1.59	68.44 -1.12 0.51	48.65 -0.74 0.00	42.00 -0.42 0.00	36.72 -0.37 0.00	33.44 -0.40 0.00
SELKIRK___II 23799	31.82 0.25 0.00	28.13 0.22 0.00	27.01 0.21 0.00	25.40 0.18 0.00	25.69 0.18 0.00	28.13 0.25 0.00	37.44 0.41 0.00	38.96 0.50 0.00	33.23 0.30 0.00	27.27 0.19 0.00	26.55 0.19 0.00	26.33 0.13 0.00	27.46 0.14 0.00	29.51 0.18 0.09	31.88 0.28 0.11	35.27 0.00 0.19	43.57 -0.22 0.00	62.81 -0.51 0.00	67.52 -0.88 4.91	67.52 -0.98 1.58	48.89 -0.49 0.00	42.21 -0.21 0.00	36.95 -0.15 0.00	33.65 -0.20 0.00
SENECA OSWGO___HYD 24041	31.35 -0.22 0.00	27.72 -0.19 0.00	26.58 -0.22 0.00	25.01 -0.20 0.00	25.28 -0.23 0.00	27.55 -0.33 0.00	36.48 -0.55 0.00	37.88 -0.58 0.00	32.48 -0.46 0.00	26.73 -0.35 0.00	26.00 -0.37 0.00	25.83 -0.37 0.00	26.94 -0.38 0.00	29.04 -0.38 0.00	31.26 -0.44 0.00	34.93 -0.53 0.00	43.18 -0.61 0.00	62.43 -0.89 0.00	72.43 -0.88 0.00	69.31 -0.77 0.00	48.89 -0.49 0.00	41.87 -0.55 0.00	36.61 -0.48 0.00	33.48 -0.37 0.00
SENECA___115KV_TB3 355854	31.73 0.16 0.00	27.88 -0.03 0.00	26.72 -0.08 0.00	25.22 0.00 0.00	25.33 -0.18 0.00	27.24 -0.64 0.00	35.48 -1.56 0.00	36.15 -2.31 0.00	31.62 -1.32 0.00	26.59 -0.49 0.00	26.08 -0.29 0.00	25.98 -0.21 0.00	27.22 -0.11 0.00	29.36 -0.06 0.00	31.23 -0.48 0.00	34.75 -0.71 0.00	42.96 -0.83 0.00	60.79 -2.53 0.00	70.74 -2.57 0.00	67.41 -2.66 0.00	47.71 -1.68 0.00	40.13 -2.29 0.00	35.68 -1.41 0.00	33.34 -0.51 0.00
SENECA___ENERGY 23797	31.70 0.13 0.00	27.99 0.08 0.00	26.85 0.05 0.00	25.32 0.10 0.00	25.54 0.03 0.00	27.80 -0.08 0.00	36.73 -0.30 0.00	37.96 -0.50 0.00	32.67 -0.26 0.00	26.97 -0.11 0.00	26.24 -0.13 0.00	26.06 -0.13 0.00	27.22 -0.11 0.00	29.36 -0.06 0.00	31.58 -0.13 0.00	35.28 -0.18 0.00	43.70 -0.09 0.00	63.07 -0.25 0.00	73.38 0.07 0.00	70.15 0.07 0.00	49.44 0.05 0.00	42.13 -0.29 0.00	36.87 -0.22 0.00	33.92 0.07 0.00
SHOEMAKER___GT 23640	32.23 0.66 0.00	28.52 0.61 0.00	27.36 0.56 0.00	25.67 0.45 0.00	25.99 0.48 0.00	28.49 0.61 0.00	37.88 0.85 0.00	39.54 1.08 0.00	33.86 0.92 0.00	27.84 0.76 0.00	27.16 0.79 0.00	26.95 0.76 0.00	28.15 0.82 0.00	30.50 0.88 -0.19	33.02 1.08 -0.23	37.22 1.35 -0.41	45.15 1.36 0.00	65.03 1.71 0.00	75.06 1.76 0.00	71.34 1.26 0.00	50.32 0.94 0.00	43.61 1.19 0.00	38.20 1.11 0.00	34.80 0.95 0.00
SHOEMAKR_138KV_BK 111 55601	32.23 0.66 0.00	28.52 0.61 0.00	27.36 0.56 0.00	25.70 0.48 0.00	26.02 0.51 0.00	28.52 0.64 0.00	37.88 0.85 0.00	39.54 1.08 0.00	33.86 0.92 0.00	27.86 0.79 0.00	27.19 0.82 0.00	26.98 0.79 0.00	28.17 0.85 0.00	30.56 0.94 -0.19	33.05 1.11 -0.23	37.22 1.35 -0.41	45.15 1.36 0.00	65.03 1.71 0.00	75.07 1.76 0.00	71.34 1.26 0.00	50.32 0.94 0.00	43.61 1.19 0.00	38.21 1.11 0.00	34.83 0.98 0.00
SHOREHAM_IC_1 23715	31.82 0.25 0.00	27.86 -0.06 0.00	26.49 -0.19 0.13	24.94 -0.28 0.00	25.31 -0.20 0.00	27.53 -0.22 0.13	36.84 -0.18 0.01	38.61 0.15 0.01	33.33 0.40 0.00	27.41 0.33 0.00	27.27 0.90 0.00	27.03 0.84 0.00	28.34 1.01 0.00	30.88 1.24 -0.22	33.69 1.71 -0.27	38.10 2.16 -0.47	44.97 1.18 0.00	63.69 0.38 0.01	73.59 0.29 0.01	70.00 -0.07 0.01	49.44 0.05 0.00	43.44 1.02 0.00	38.61 1.52 0.00	34.83 0.98 0.00
SHOREHAM_IC_2 23716	31.82 0.25 0.00	27.88 -0.03 0.00	26.49 -0.19 0.13	25.04 -0.18 0.00	25.33 -0.18 0.00	27.61 -0.14 0.13	36.88 -0.15 0.01	38.61 0.15 0.01	33.33 0.40 0.00	27.43 0.35 0.00	27.26 0.90 0.00	27.03 0.84 0.00	28.34 1.01 0.00	30.88 1.24 -0.22	33.69 1.71 -0.27	38.06 2.13 -0.47	44.97 1.18 0.00	63.63 0.32 0.01	73.59 0.29 0.01	70.00 -0.07 0.01	49.44 0.05 0.00	43.48 1.06 0.00	38.58 1.48 0.00	34.87 1.02 0.00
SISSONVILLE____ 23735	31.70 0.13 0.00	28.11 0.20 0.00	27.01 0.21 0.00	25.42 0.20 0.00	25.79 0.28 0.00	28.33 0.45 0.00	37.73 0.70 0.00	39.08 0.62 0.00	33.43 0.49 0.00	27.40 0.32 0.00	26.63 0.26 0.00	26.59 0.39 0.00	27.66 0.33 0.00	29.66 0.24 0.00	31.87 0.16 0.00	35.74 0.28 0.00	44.45 0.66 0.00	65.03 1.71 0.00	75.80 2.49 0.00	72.67 2.59 0.00	50.87 1.48 0.00	43.48 1.06 0.00	37.80 0.70 0.00	34.36 0.51 0.00
SITHE_IND_GS1 24169	30.94 -0.63 0.00	27.35 -0.56 0.00	26.26 -0.54 0.00	24.71 -0.50 0.00	24.97 -0.54 0.00	27.18 -0.70 0.00	36.03 -1.00 0.00	37.38 -1.08 0.00	32.05 -0.89 0.00	26.37 -0.70 0.00	25.68 -0.69 0.00	25.51 -0.68 0.00	26.65 -0.68 0.00	28.69 -0.73 0.00	30.88 -0.82 0.00	34.47 -0.99 0.00	42.61 -1.18 0.00	61.55 -1.77 0.00	71.33 -1.98 0.00	68.26 -1.82 0.00	48.15 -1.23 0.00	41.28 -1.14 0.00	36.09 -1.00 0.00	33.00 -0.84 0.00
SITHE_IND_GS2 24170	30.94 -0.63 0.00	27.35 -0.56 0.00	26.26 -0.54 0.00	24.71 -0.50 0.00	24.97 -0.54 0.00	27.18 -0.70 0.00	36.03 -1.00 0.00	37.38 -1.08 0.00	32.05 -0.89 0.00	26.37 -0.70 0.00	25.68 -0.69 0.00	25.51 -0.68 0.00	26.65 -0.68 0.00	28.69 -0.73 0.00	30.88 -0.82 0.00	34.47 -0.99 0.00	42.61 -1.18 0.00	61.55 -1.77 0.00	71.33 -1.98 0.00	68.26 -1.82 0.00	48.15 -1.23 0.00	41.28 -1.14 0.00	36.09 -1.00 0.00	33.00 -0.84 0.00
SITHE_IND_GS3 24171	30.94 -0.63 0.00	27.35 -0.56 0.00	26.26 -0.54 0.00	24.71 -0.50 0.00	24.97 -0.54 0.00	27.18 -0.70 0.00	36.03 -1.00 0.00	37.38 -1.08 0.00	32.05 -0.89 0.00	26.37 -0.70 0.00	25.68 -0.69 0.00	25.51 -0.68 0.00	26.65 -0.68 0.00	28.69 -0.73 0.00	30.88 -0.82 0.00	34.47 -0.99 0.00	42.61 -1.18 0.00	61.55 -1.77 0.00	71.33 -1.98 0.00	68.26 -1.82 0.00	48.15 -1.23 0.00	41.28 -1.14 0.00	36.09 -1.00 0.00	33.00 -0.84 0.00
SITHE_IND_GS4 24172	30.94 -0.63 0.00	27.35 -0.56 0.00	26.26 -0.54 0.00	24.71 -0.50 0.00	24.97 -0.54 0.00	27.18 -0.70 0.00	36.03 -1.00 0.00	37.38 -1.08 0.00	32.05 -0.89 0.00	26.37 -0.70 0.00	25.68 -0.69 0.00	25.51 -0.68 0.00	26.65 -0.68 0.00	28.69 -0.73 0.00	30.88 -0.82 0.00	34.47 -0.99 0.00	42.61 -1.18 0.00	61.55 -1.77 0.00	71.33 -1.98 0.00	68.26 -1.82 0.00	48.15 -1.23 0.00	41.28 -1.14 0.00	36.09 -1.00 0.00	33.00 -0.84 0.00



SITHE___BATAVIA 24024	32.17 0.60 0.00	28.13 0.22 0.00	27.23 0.43 0.00	25.65 0.43 0.00	25.87 0.36 0.00	27.77 -0.11 0.00	35.96 -1.08 0.00	36.73 -1.73 0.00	31.98 -0.96 0.00	26.83 -0.24 0.00	26.26 -0.11 0.00	26.09 -0.10 0.00	27.35 0.03 0.00	29.51 0.09 0.00	31.55 -0.16 0.00	35.00 -0.46 0.00	43.35 -0.44 0.00	61.74 -1.58 0.00	72.06 -1.25 0.00	68.89 -1.19 0.00	48.69 -0.69 0.00	41.02 -1.40 0.00	36.28 -0.82 0.00	34.05 0.20 0.00
SITHE___INDEPEND 23800	30.94 -0.63 0.00	27.35 -0.56 0.00	26.24 -0.56 0.00	24.69 -0.53 0.00	24.97 -0.54 0.00	27.18 -0.70 0.00	36.03 -1.00 0.00	37.38 -1.08 0.00	32.05 -0.89 0.00	26.38 -0.70 0.00	25.68 -0.69 0.00	25.51 -0.68 0.00	26.64 -0.68 0.00	28.69 -0.74 0.00	30.88 -0.82 0.00	34.47 -0.99 0.00	42.61 -1.18 0.00	61.55 -1.77 0.00	71.33 -1.98 0.00	68.26 -1.82 0.00	48.15 -1.23 0.00	41.28 -1.15 0.00	36.13 -0.96 0.00	33.00 -0.85 0.00
SITHE___MASSENA 23902	31.63 0.06 0.00	28.02 0.11 0.00	26.93 0.13 0.00	25.34 0.13 0.00	25.66 0.15 0.00	28.13 0.25 0.00	37.48 0.45 0.00	38.81 0.35 0.00	33.23 0.30 0.00	27.32 0.24 0.00	26.58 0.21 0.00	26.51 0.32 0.00	27.60 0.27 0.00	29.63 0.21 0.00	31.87 0.16 0.00	35.67 0.21 0.00	44.27 0.48 0.00	64.52 1.20 0.00	74.99 1.69 0.00	71.76 1.68 0.00	50.37 0.99 0.00	43.10 0.68 0.00	37.54 0.45 0.00	34.19 0.34 0.00
SITHE___OGDNSBRG 24021	31.98 0.41 0.00	28.36 0.45 0.00	27.25 0.46 0.00	25.65 0.43 0.00	26.02 0.51 0.00	28.55 0.67 0.00	37.99 0.96 0.00	39.34 0.88 0.00	33.56 0.63 0.00	27.46 0.38 0.00	26.66 0.29 0.00	26.61 0.42 0.00	27.68 0.36 0.00	29.69 0.26 0.00	31.90 0.19 0.00	35.85 0.39 0.00	44.62 0.83 0.00	65.47 2.15 0.00	76.46 3.15 0.00	73.44 3.36 0.00	51.36 1.98 0.00	43.87 1.44 0.00	38.13 1.04 0.00	34.63 0.78 0.00
SITHE___STERLING 23777	32.20 0.63 0.00	28.50 0.59 0.00	27.39 0.59 0.00	25.75 0.53 0.00	26.07 0.56 0.00	28.52 0.64 0.00	37.84 0.81 0.00	39.30 0.85 0.00	33.56 0.62 0.00	27.41 0.33 0.00	26.63 0.26 0.00	26.43 0.24 0.00	27.60 0.27 0.00	29.69 0.26 0.00	31.96 0.25 0.00	35.89 0.43 0.00	44.49 0.70 0.00	64.59 1.27 0.00	75.21 1.90 0.00	72.11 2.03 0.00	50.62 1.24 0.00	43.36 0.93 0.00	37.80 0.70 0.00	34.49 0.64 0.00
SLEIGHT__34_KV_TB1 80719	31.41 -0.16 0.00	27.72 -0.20 0.00	26.61 -0.19 0.00	25.04 -0.18 0.00	25.26 -0.26 0.00	27.43 -0.45 0.00	36.25 -0.78 0.00	37.46 -1.00 0.00	32.31 -0.63 0.00	26.73 -0.35 0.00	26.08 -0.29 0.00	25.91 -0.29 0.00	27.11 -0.22 0.00	29.22 -0.21 0.00	31.30 -0.41 0.00	35.03 -0.43 0.00	43.39 -0.39 0.00	62.50 -0.82 0.00	72.72 -0.59 0.00	69.52 -0.56 0.00	49.04 -0.35 0.00	41.70 -0.72 0.00	36.57 -0.52 0.00	33.58 -0.27 0.00
SMITHTWN_69_KV_BK 1 55830	32.36 0.79 0.00	28.36 0.45 0.00	26.93 0.29 0.16	25.44 0.23 0.00	25.74 0.23 0.00	28.02 0.31 0.16	37.47 0.44 0.01	39.22 0.77 0.01	33.86 0.92 0.00	27.86 0.79 0.00	27.66 1.29 0.00	27.45 1.26 0.00	28.78 1.45 0.00	31.41 1.77 -0.22	34.23 2.25 -0.27	38.59 2.66 -0.47	45.58 1.80 0.00	64.45 1.14 0.01	74.47 1.17 0.01	70.84 0.77 0.01	50.13 0.74 0.00	44.04 1.61 0.00	39.10 2.00 0.00	35.37 1.52 0.00
SOUTH CAIRO___GT 23612	32.58 1.01 0.00	28.78 0.87 0.00	27.71 0.91 0.00	26.02 0.81 0.00	26.30 0.79 0.00	28.77 0.89 0.00	38.33 1.30 0.00	39.81 1.35 0.00	33.69 0.76 0.00	27.38 0.30 0.00	26.45 0.08 0.00	26.17 -0.03 0.00	27.33 0.00 0.00	29.64 0.26 0.05	32.22 0.57 0.06	36.03 0.67 0.10	44.40 0.61 0.00	64.78 1.46 0.00	73.40 2.57 2.47	71.46 2.17 0.79	50.67 1.28 0.00	43.65 1.23 0.00	37.98 0.89 0.00	34.53 0.68 0.00
SOUTH HAMPTN___IC 23720	32.04 0.47 0.00	28.05 0.14 0.00	26.68 0.00 0.12	25.12 -0.10 0.00	25.48 -0.03 0.00	27.76 0.00 0.12	37.13 0.11 0.01	38.95 0.50 0.01	33.66 0.72 0.00	27.70 0.62 0.00	27.61 1.24 0.00	27.37 1.18 0.00	28.72 1.39 0.00	31.29 1.65 -0.22	34.14 2.16 -0.27	38.56 2.62 -0.47	45.49 1.71 0.00	64.39 1.08 0.01	74.47 1.17 0.01	70.91 0.84 0.01	50.03 0.64 0.00	43.95 1.53 0.00	39.06 1.96 0.00	35.30 1.45 0.00
SOUTHDOW_115KV_TB1 355954	32.17 0.60 0.00	28.25 0.33 0.00	27.01 0.21 0.00	25.49 0.28 0.00	25.66 0.15 0.00	27.71 -0.17 0.00	36.25 -0.78 0.00	37.11 -1.35 0.00	32.38 -0.56 0.00	27.32 0.24 0.00	26.79 0.42 0.00	26.72 0.52 0.00	27.98 0.66 0.00	30.19 0.77 0.00	32.15 0.44 0.00	35.81 0.35 0.00	44.58 0.79 0.00	63.07 -0.25 0.00	73.60 0.29 0.00	69.94 -0.14 0.00	49.19 -0.20 0.00	41.24 -1.19 0.00	36.54 -0.56 0.00	33.99 0.14 0.00
SOUTHOLD_69_KV_BK 2 55809	32.04 0.47 0.00	28.05 0.14 0.00	26.68 0.00 0.12	25.19 -0.03 0.00	25.51 0.00 0.00	27.89 0.14 0.12	37.17 0.15 0.01	39.11 0.65 0.01	33.89 0.96 0.00	27.92 0.84 0.00	27.87 1.50 0.00	27.61 1.41 0.00	28.97 1.64 0.00	31.58 1.94 -0.22	34.49 2.50 -0.27	38.88 2.94 -0.47	45.85 2.06 0.00	64.77 1.46 0.01	74.99 1.69 0.01	71.47 1.40 0.01	50.47 1.09 0.00	44.42 1.99 0.00	39.36 2.26 0.00	35.71 1.86 0.00
SOUTHOLD___IC 23719	32.04 0.47 0.00	28.02 0.11 0.00	26.65 -0.03 0.12	25.09 -0.13 0.00	25.48 -0.03 0.00	27.81 0.06 0.12	37.17 0.15 0.01	39.11 0.65 0.01	33.89 0.96 0.00	27.89 0.81 0.00	27.87 1.50 0.00	27.61 1.41 0.00	28.97 1.64 0.00	31.58 1.94 -0.22	34.49 2.50 -0.27	38.91 2.98 -0.47	45.85 2.06 0.00	64.83 1.52 0.01	74.99 1.69 0.01	71.47 1.40 0.01	50.47 1.09 0.00	44.38 1.95 0.00	39.39 2.30 0.00	35.68 1.83 0.00
SOUTH_FORK_WT_PWR 323839	31.76 0.19 0.00	27.77 -0.14 0.00	26.41 -0.27 0.12	24.86 -0.35 0.00	25.26 -0.26 0.00	27.59 -0.17 0.12	36.84 -0.18 0.01	38.84 0.38 0.01	33.73 0.79 0.00	27.78 0.70 0.00	27.79 1.42 0.00	27.53 1.34 0.00	28.88 1.56 0.00	31.47 1.82 -0.22	34.33 2.35 -0.27	38.70 2.77 -0.47	45.45 1.66 0.00	64.20 0.89 0.01	74.25 0.95 0.01	70.84 0.77 0.01	50.13 0.74 0.00	44.08 1.65 0.00	39.17 2.08 0.00	35.57 1.73 0.00
SPIERFLS_115KV_TB 1 80737	32.39 0.82 0.00	28.58 0.67 0.00	27.52 0.72 0.00	25.90 0.68 0.00	26.12 0.61 0.00	28.60 0.72 0.00	38.03 1.00 0.00	39.42 0.96 0.00	33.50 0.56 0.00	27.32 0.24 0.00	26.39 0.03 0.00	26.06 -0.13 0.00	27.16 -0.16 0.00	29.16 -0.12 0.14	31.60 0.06 0.17	35.40 0.25 0.30	44.58 0.79 0.00	64.84 1.52 0.00	75.36 2.05 0.00	72.04 1.96 0.00	50.62 1.23 0.00	43.44 1.02 0.00	38.13 1.04 0.00	34.56 0.71 0.00
ST LAWRENCE____ 23600	31.41 -0.16 0.00	27.80 -0.11 0.00	26.69 -0.11 0.00	25.14 -0.08 0.00	25.46 -0.05 0.00	27.88 0.00 0.00	37.11 0.07 0.00	38.50 0.04 0.00	33.00 0.07 0.00	27.13 0.05 0.00	26.42 0.05 0.00	26.30 0.11 0.00	27.41 0.08 0.00	29.48 0.06 0.00	31.71 0.00 0.00	35.49 0.04 0.00	43.96 0.18 0.00	63.82 0.50 0.00	74.04 0.73 0.00	70.78 0.70 0.00	49.78 0.39 0.00	42.68 0.26 0.00	37.20 0.11 0.00	33.92 0.07 0.00



STATE_CA_115KV_115_LB 55624	31.85 0.28 0.00	28.16 0.25 0.00	27.07 0.27 0.00	25.47 0.25 0.00	25.74 0.23 0.00	28.19 0.31 0.00	37.51 0.48 0.00	39.04 0.58 0.00	33.23 0.30 0.00	27.27 0.19 0.00	26.53 0.16 0.00	26.27 0.08 0.00	27.41 0.08 0.00	29.44 0.15 0.13	31.83 0.29 0.16	35.42 0.25 0.29	44.01 0.22 0.00	63.51 0.19 0.00	73.38 0.07 0.00	70.01 -0.07 0.00	49.44 0.05 0.00	42.64 0.21 0.00	37.32 0.22 0.00	33.95 0.10 0.00
STATE_ST_34_KV_LOAD 55959	31.76 0.19 0.00	28.08 0.17 0.00	26.93 0.13 0.00	25.32 0.10 0.00	25.59 0.08 0.00	27.88 0.00 0.00	36.96 -0.07 0.00	38.31 -0.15 0.00	32.87 -0.07 0.00	27.05 -0.03 0.00	26.32 -0.05 0.00	26.14 -0.05 0.00	27.30 -0.03 0.00	29.42 0.00 0.00	31.65 -0.06 0.00	35.46 0.00 0.00	43.96 0.18 0.00	63.57 0.25 0.00	73.89 0.59 0.00	70.71 0.63 0.00	49.83 0.44 0.00	42.51 0.08 0.00	37.17 0.07 0.00	34.02 0.17 0.00
STATION_5_MISC_HYD 23604	31.66 0.09 0.00	27.94 0.03 0.00	26.83 0.03 0.00	25.37 0.15 0.00	25.48 -0.03 0.00	27.63 -0.25 0.00	36.29 -0.74 0.00	37.34 -1.12 0.00	32.31 -0.63 0.00	26.89 -0.19 0.00	26.26 -0.11 0.00	26.12 -0.08 0.00	27.35 0.03 0.00	29.45 0.03 0.00	31.58 -0.13 0.00	35.14 -0.32 0.00	43.53 -0.26 0.00	62.37 -0.95 0.00	72.50 -0.80 0.00	69.31 -0.77 0.00	48.99 -0.40 0.00	41.58 -0.85 0.00	36.57 -0.52 0.00	33.78 -0.07 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	31.63 0.06 0.00	27.91 0.00 0.00	26.77 -0.03 0.00	25.22 0.00 0.00	25.43 -0.08 0.00	27.60 -0.28 0.00	36.48 -0.56 0.00	37.65 -0.81 0.00	32.48 -0.46 0.00	26.92 -0.16 0.00	26.26 -0.11 0.00	26.09 -0.10 0.00	27.30 -0.03 0.00	29.39 -0.03 0.00	31.49 -0.22 0.00	35.25 -0.21 0.00	43.66 -0.13 0.00	62.81 -0.51 0.00	73.01 -0.29 0.00	69.87 -0.21 0.00	49.29 -0.10 0.00	41.87 -0.55 0.00	36.76 -0.33 0.00	33.78 -0.07 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	31.47 -0.09 0.00	27.74 -0.17 0.00	26.64 -0.16 0.00	25.09 -0.13 0.00	25.28 -0.23 0.00	27.38 -0.50 0.00	36.11 -0.93 0.00	37.19 -1.27 0.00	32.18 -0.76 0.00	26.73 -0.35 0.00	26.13 -0.24 0.00	25.96 -0.24 0.00	27.19 -0.14 0.00	29.28 -0.15 0.00	31.30 -0.41 0.00	35.00 -0.46 0.00	43.31 -0.48 0.00	62.18 -1.14 0.00	72.21 -1.10 0.00	69.10 -0.98 0.00	48.79 -0.59 0.00	41.41 -1.02 0.00	36.43 -0.67 0.00	33.54 -0.30 0.00
STA_56___34_KV_BUS2 355983	31.47 -0.09 0.00	27.74 -0.17 0.00	26.64 -0.16 0.00	25.09 -0.13 0.00	25.28 -0.23 0.00	27.38 -0.50 0.00	36.11 -0.93 0.00	37.19 -1.27 0.00	32.18 -0.76 0.00	26.73 -0.35 0.00	26.13 -0.24 0.00	25.96 -0.24 0.00	27.19 -0.14 0.00	29.28 -0.15 0.00	31.30 -0.41 0.00	35.00 -0.46 0.00	43.31 -0.48 0.00	62.18 -1.14 0.00	72.21 -1.10 0.00	69.10 -0.98 0.00	48.79 -0.59 0.00	41.41 -1.02 0.00	36.43 -0.67 0.00	33.54 -0.30 0.00
STA_67___115KV_BK2 355882	31.60 0.03 0.00	27.85 -0.06 0.00	26.75 -0.05 0.00	25.19 -0.03 0.00	25.38 -0.13 0.00	27.49 -0.39 0.00	36.22 -0.81 0.00	37.27 -1.19 0.00	32.24 -0.69 0.00	26.81 -0.27 0.00	26.21 -0.16 0.00	26.06 -0.13 0.00	27.30 -0.03 0.00	29.36 -0.06 0.00	31.39 -0.32 0.00	35.07 -0.39 0.00	43.39 -0.39 0.00	62.24 -1.08 0.00	72.35 -0.95 0.00	69.17 -0.91 0.00	48.89 -0.49 0.00	41.49 -0.93 0.00	36.50 -0.59 0.00	33.65 -0.20 0.00
STA_7___115KV_9TRANS 80674	31.79 0.22 0.00	27.99 0.08 0.00	26.88 0.08 0.00	25.32 0.10 0.00	25.51 0.00 0.00	27.60 -0.28 0.00	36.40 -0.63 0.00	37.46 -1.00 0.00	32.44 -0.49 0.00	26.97 -0.11 0.00	26.39 0.03 0.00	26.22 0.03 0.00	27.46 0.14 0.00	29.57 0.15 0.00	31.61 -0.10 0.00	35.32 -0.14 0.00	43.75 -0.04 0.00	62.69 -0.63 0.00	72.87 -0.44 0.00	69.66 -0.42 0.00	49.24 -0.15 0.00	41.79 -0.64 0.00	36.76 -0.33 0.00	33.88 0.03 0.00
STA_82___115KV_TB1 80780	31.63 0.06 0.00	27.88 -0.03 0.00	26.75 -0.05 0.00	25.22 0.00 0.00	25.38 -0.13 0.00	27.49 -0.39 0.00	36.22 -0.81 0.00	37.27 -1.19 0.00	32.24 -0.69 0.00	26.81 -0.27 0.00	26.21 -0.16 0.00	26.06 -0.13 0.00	27.30 -0.03 0.00	29.39 -0.03 0.00	31.42 -0.29 0.00	35.07 -0.39 0.00	43.44 -0.35 0.00	62.24 -1.08 0.00	72.35 -0.95 0.00	69.17 -0.91 0.00	48.89 -0.49 0.00	41.49 -0.93 0.00	36.50 -0.59 0.00	33.65 -0.20 0.00
STEEL___WIND 323596	31.70 0.13 0.00	27.91 0.00 0.00	26.85 0.05 0.00	25.42 0.20 0.00	25.48 -0.03 0.00	27.38 -0.50 0.00	35.48 -1.55 0.00	36.15 -2.31 0.00	31.58 -1.35 0.00	26.64 -0.43 0.00	26.05 -0.32 0.00	25.96 -0.24 0.00	27.19 -0.14 0.00	29.39 -0.03 0.00	31.45 -0.25 0.00	34.71 -0.75 0.00	42.91 -0.88 0.00	60.66 -2.66 0.00	70.67 -2.64 0.00	67.34 -2.73 0.00	47.66 -1.73 0.00	40.13 -2.29 0.00	35.61 -1.48 0.00	33.41 -0.44 0.00
STEPHTWN_115KV_BK_2 55603	32.01 0.44 0.00	28.30 0.39 0.00	27.20 0.40 0.00	25.60 0.38 0.00	25.84 0.33 0.00	28.33 0.45 0.00	37.70 0.67 0.00	39.23 0.77 0.00	33.40 0.46 0.00	27.35 0.27 0.00	26.61 0.24 0.00	26.35 0.16 0.00	27.46 0.14 0.00	29.50 0.21 0.13	31.93 0.38 0.16	35.54 0.35 0.27	44.14 0.35 0.00	63.76 0.44 0.00	73.66 0.44 0.08	70.33 0.28 0.03	49.63 0.25 0.00	42.81 0.38 0.00	37.46 0.37 0.00	34.09 0.24 0.00
STEUBEN_REC_LFGE 323667	32.07 0.51 0.00	28.25 0.33 0.00	27.09 0.29 0.00	25.49 0.28 0.00	25.69 0.18 0.00	27.85 -0.03 0.00	36.62 -0.41 0.00	37.65 -0.81 0.00	32.61 -0.33 0.00	27.08 0.00 0.00	26.37 0.00 0.00	26.19 0.00 0.00	27.38 0.05 0.00	29.54 0.12 0.00	31.55 -0.16 0.00	35.35 -0.11 0.00	43.96 0.18 0.00	63.19 -0.13 0.00	74.04 0.73 0.00	70.57 0.49 0.00	49.73 0.35 0.00	41.91 -0.51 0.00	36.91 -0.19 0.00	34.19 0.34 0.00
STILLWATER___SOLAR 323814	32.58 1.01 0.00	28.75 0.84 0.00	27.66 0.86 0.00	26.00 0.78 0.00	26.27 0.76 0.00	28.77 0.89 0.00	38.33 1.30 0.00	39.77 1.31 0.00	33.79 0.85 0.00	27.59 0.51 0.00	26.74 0.37 0.00	26.43 0.24 0.00	27.54 0.22 0.00	29.56 0.29 0.16	31.96 0.44 0.19	35.79 0.67 0.34	44.93 1.14 0.00	65.16 1.84 0.00	75.65 2.35 0.00	72.25 2.17 0.00	50.87 1.48 0.00	43.78 1.36 0.00	38.35 1.26 0.00	34.83 0.98 0.00
STONY___BROOK 24151	32.33 0.76 0.00	28.33 0.42 0.00	26.93 0.27 0.14	25.34 0.13 0.00	25.71 0.20 0.00	27.96 0.22 0.14	37.43 0.41 0.01	39.18 0.73 0.01	33.83 0.89 0.00	27.81 0.73 0.00	27.66 1.29 0.00	27.45 1.26 0.00	28.77 1.45 0.00	31.38 1.74 -0.22	34.20 2.22 -0.27	38.63 2.69 -0.47	45.58 1.80 0.00	64.32 1.01 0.01	74.33 1.03 0.01	70.63 0.56 0.01	50.13 0.74 0.00	43.99 1.57 0.00	39.13 2.04 0.00	35.30 1.45 0.00
STURGEON_POOL_HYD 23609	32.42 0.85 0.00	28.69 0.78 0.00	27.52 0.72 0.00	25.85 0.63 0.00	26.15 0.64 0.00	28.69 0.81 0.00	38.10 1.07 0.00	39.81 1.35 0.00	34.09 1.15 0.00	28.03 0.95 0.00	27.34 0.98 0.00	27.14 0.94 0.00	28.37 1.04 0.00	30.80 1.24 -0.14	33.40 1.52 -0.17	37.64 1.88 -0.30	45.58 1.80 0.00	65.66 2.34 0.00	75.54 2.79 0.55	72.07 2.17 0.18	50.77 1.38 0.00	44.08 1.65 0.00	38.58 1.48 0.00	35.17 1.32 0.00



ST_LAW_115_BK7_LBMP 345037	31.38 -0.19 0.00	27.80 -0.11 0.00	26.69 -0.11 0.00	25.14 -0.08 0.00	25.46 -0.05 0.00	27.88 0.00 0.00	37.11 0.07 0.00	38.50 0.04 0.00	33.00 0.07 0.00	27.13 0.05 0.00	26.39 0.03 0.00	26.30 0.11 0.00	27.41 0.08 0.00	29.45 0.03 0.00	31.68 -0.03 0.00	35.49 0.04 0.00	43.92 0.13 0.00	63.89 0.57 0.00	74.04 0.73 0.00	70.85 0.77 0.00	49.78 0.39 0.00	42.68 0.26 0.00	37.20 0.11 0.00	33.88 0.03 0.00
ST_LAW_115_BK8_LBMP 345038	31.38 -0.19 0.00	27.80 -0.11 0.00	26.69 -0.11 0.00	25.14 -0.08 0.00	25.46 -0.05 0.00	27.88 0.00 0.00	37.11 0.07 0.00	38.50 0.04 0.00	33.00 0.07 0.00	27.13 0.05 0.00	26.39 0.03 0.00	26.30 0.11 0.00	27.41 0.08 0.00	29.45 0.03 0.00	31.68 -0.03 0.00	35.49 0.04 0.00	43.92 0.13 0.00	63.89 0.57 0.00	74.04 0.73 0.00	70.85 0.77 0.00	49.78 0.39 0.00	42.68 0.26 0.00	37.20 0.11 0.00	33.88 0.03 0.00
ST_LAW_230_BK5_LBMP 345035	31.41 -0.16 0.00	27.80 -0.11 0.00	26.69 -0.11 0.00	25.14 -0.08 0.00	25.46 -0.05 0.00	27.88 0.00 0.00	37.11 0.07 0.00	38.50 0.04 0.00	33.00 0.07 0.00	27.13 0.05 0.00	26.42 0.05 0.00	26.30 0.11 0.00	27.41 0.08 0.00	29.48 0.06 0.00	31.71 0.00 0.00	35.49 0.04 0.00	43.96 0.18 0.00	63.82 0.50 0.00	74.04 0.73 0.00	70.78 0.70 0.00	49.78 0.39 0.00	42.68 0.26 0.00	37.20 0.11 0.00	33.92 0.07 0.00
ST_LAW_230_BK6_LBMP 345036	31.41 -0.16 0.00	27.80 -0.11 0.00	26.69 -0.11 0.00	25.14 -0.08 0.00	25.46 -0.05 0.00	27.88 0.00 0.00	37.11 0.07 0.00	38.50 0.04 0.00	33.00 0.07 0.00	27.13 0.05 0.00	26.42 0.05 0.00	26.30 0.11 0.00	27.41 0.08 0.00	29.48 0.06 0.00	31.71 0.00 0.00	35.49 0.04 0.00	43.96 0.18 0.00	63.82 0.50 0.00	74.04 0.73 0.00	70.78 0.70 0.00	49.78 0.39 0.00	42.68 0.26 0.00	37.20 0.11 0.00	33.92 0.07 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	32.29 0.73 0.00	28.58 0.67 0.00	27.42 0.62 0.00	25.77 0.55 0.00	26.07 0.56 0.00	28.60 0.72 0.00	37.99 0.96 0.00	39.65 1.19 0.00	33.99 1.05 0.00	27.97 0.89 0.00	27.32 0.95 0.00	27.14 0.94 0.00	28.34 1.01 0.00	30.71 1.09 -0.20	33.25 1.30 -0.24	37.44 1.56 -0.42	45.37 1.58 0.00	65.22 1.90 0.00	75.29 1.98 0.00	71.55 1.47 0.00	50.42 1.04 0.00	43.70 1.27 0.00	38.32 1.22 0.00	34.93 1.08 0.00
SWANROAD_115KV_TB1 355699	31.51 -0.06 0.00	27.30 -0.61 0.00	26.18 -0.62 0.00	24.71 -0.50 0.00	24.82 -0.69 0.00	26.82 -1.06 0.00	34.51 -2.52 0.00	35.04 -3.42 0.00	30.73 -2.21 0.00	25.89 -1.19 0.00	25.42 -0.95 0.00	25.30 -0.89 0.00	26.53 -0.79 0.00	28.63 -0.79 0.00	30.38 -1.33 0.00	33.76 -1.70 0.00	41.56 -2.23 0.00	58.76 -4.56 0.00	68.18 -5.13 0.00	65.10 -4.98 0.00	46.27 -3.11 0.00	38.94 -3.48 0.00	34.68 -2.41 0.00	32.94 -0.91 0.00
SYNERGY___BIOGAS 323694	32.17 0.60 0.00	28.11 0.20 0.00	26.96 0.16 0.00	25.44 0.23 0.00	25.56 0.05 0.00	27.60 -0.28 0.00	35.92 -1.11 0.00	36.69 -1.77 0.00	31.98 -0.96 0.00	26.78 -0.30 0.00	26.26 -0.11 0.00	26.09 -0.10 0.00	27.35 0.03 0.00	29.48 0.06 0.00	31.36 -0.35 0.00	35.00 -0.46 0.00	43.35 -0.44 0.00	61.86 -1.46 0.00	72.06 -1.25 0.00	68.89 -1.19 0.00	48.69 -0.69 0.00	40.98 -1.44 0.00	36.31 -0.78 0.00	33.99 0.14 0.00
SYRACUSE___ENERGY_ST1 323597	31.63 0.06 0.00	27.97 0.06 0.00	26.83 0.03 0.00	25.22 0.00 0.00	25.51 0.00 0.00	27.80 -0.08 0.00	36.85 -0.19 0.00	38.23 -0.23 0.00	32.77 -0.16 0.00	26.97 -0.11 0.00	26.24 -0.13 0.00	26.06 -0.13 0.00	27.22 -0.11 0.00	29.36 -0.06 0.00	31.58 -0.13 0.00	35.32 -0.14 0.00	43.66 -0.13 0.00	63.13 -0.19 0.00	73.23 -0.07 0.00	70.08 0.00 0.00	49.44 0.05 0.00	42.30 -0.13 0.00	36.98 -0.11 0.00	33.82 -0.03 0.00
SYRACUSE___ENERGY_ST2 323598	31.63 0.06 0.00	27.97 0.06 0.00	26.83 0.03 0.00	25.22 0.00 0.00	25.51 0.00 0.00	27.80 -0.08 0.00	36.85 -0.19 0.00	38.23 -0.23 0.00	32.77 -0.16 0.00	26.97 -0.11 0.00	26.24 -0.13 0.00	26.06 -0.13 0.00	27.22 -0.11 0.00	29.36 -0.06 0.00	31.58 -0.13 0.00	35.32 -0.14 0.00	43.66 -0.13 0.00	63.13 -0.19 0.00	73.23 -0.07 0.00	70.08 0.00 0.00	49.44 0.05 0.00	42.30 -0.13 0.00	36.98 -0.11 0.00	33.82 -0.03 0.00
SYRACUSE___POWER 24017	31.63 0.06 0.00	27.97 0.06 0.00	26.83 0.03 0.00	25.22 0.00 0.00	25.51 0.00 0.00	27.80 -0.08 0.00	36.85 -0.19 0.00	38.27 -0.19 0.00	32.80 -0.13 0.00	26.97 -0.11 0.00	26.24 -0.13 0.00	26.06 -0.13 0.00	27.22 -0.11 0.00	29.33 -0.09 0.00	31.58 -0.13 0.00	35.28 -0.18 0.00	43.61 -0.18 0.00	63.07 -0.25 0.00	73.16 -0.15 0.00	70.01 -0.07 0.00	49.39 0.00 0.00	42.25 -0.17 0.00	36.94 -0.15 0.00	33.78 -0.07 0.00
TALLMAN_138KV_BK151 55660	32.42 0.85 0.00	28.69 0.78 0.00	27.50 0.70 0.00	25.85 0.63 0.00	26.15 0.64 0.00	28.72 0.84 0.00	38.14 1.11 0.00	39.88 1.42 0.00	34.19 1.25 0.00	28.19 1.11 0.00	27.55 1.19 0.00	27.35 1.15 0.00	28.56 1.23 0.00	30.98 1.35 -0.21	33.51 1.55 -0.25	37.78 1.88 -0.44	45.63 1.84 0.00	65.54 2.22 0.00	75.65 2.35 0.00	71.76 1.68 0.00	50.57 1.19 0.00	43.91 1.48 0.00	38.54 1.45 0.00	35.14 1.29 0.00
TEALLAVE_115KV_TB7 355573	31.54 -0.03 0.00	27.85 -0.06 0.00	26.75 -0.05 0.00	25.14 -0.08 0.00	25.41 -0.10 0.00	27.68 -0.20 0.00	36.70 -0.33 0.00	38.08 -0.38 0.00	32.67 -0.26 0.00	26.89 -0.19 0.00	26.16 -0.21 0.00	25.98 -0.21 0.00	27.14 -0.19 0.00	29.25 -0.18 0.00	31.49 -0.22 0.00	35.14 -0.32 0.00	43.39 -0.39 0.00	62.69 -0.63 0.00	72.72 -0.59 0.00	69.59 -0.49 0.00	49.09 -0.30 0.00	42.00 -0.42 0.00	36.72 -0.37 0.00	33.61 -0.24 0.00
TELGRAPH_34_KV_EAST 80808	31.85 0.28 0.00	27.80 -0.11 0.00	26.67 -0.13 0.00	25.14 -0.08 0.00	25.26 -0.26 0.00	27.27 -0.61 0.00	35.36 -1.67 0.00	36.00 -2.46 0.00	31.49 -1.45 0.00	26.46 -0.62 0.00	25.95 -0.42 0.00	25.80 -0.39 0.00	27.05 -0.27 0.00	29.16 -0.26 0.00	31.01 -0.70 0.00	34.50 -0.96 0.00	42.65 -1.14 0.00	60.53 -2.79 0.00	70.45 -2.86 0.00	67.27 -2.80 0.00	47.66 -1.73 0.00	40.13 -2.29 0.00	35.61 -1.48 0.00	33.51 -0.34 0.00
TEMPLE___115KV_TB 2 55572	31.54 -0.03 0.00	27.88 -0.03 0.00	26.75 -0.05 0.00	25.17 -0.05 0.00	25.43 -0.08 0.00	27.71 -0.17 0.00	36.70 -0.33 0.00	38.11 -0.35 0.00	32.67 -0.26 0.00	26.89 -0.19 0.00	26.18 -0.18 0.00	26.01 -0.18 0.00	27.16 -0.16 0.00	29.28 -0.15 0.00	31.49 -0.22 0.00	35.18 -0.28 0.00	43.44 -0.35 0.00	62.75 -0.57 0.00	72.79 -0.51 0.00	69.66 -0.42 0.00	49.09 -0.30 0.00	42.04 -0.38 0.00	36.76 -0.33 0.00	33.61 -0.24 0.00
TIANA____69_KV_BK 1 55817	32.07 0.51 0.00	28.08 0.17 0.00	26.70 0.03 0.12	25.24 0.03 0.00	25.54 0.03 0.00	27.84 0.08 0.12	37.17 0.15 0.01	38.95 0.50 0.01	33.63 0.69 0.00	27.70 0.62 0.00	27.55 1.19 0.00	27.32 1.13 0.00	28.67 1.34 0.00	31.23 1.59 -0.22	34.07 2.09 -0.27	38.49 2.55 -0.47	45.45 1.66 0.00	64.33 1.01 0.01	74.40 1.10 0.01	70.84 0.77 0.01	49.98 0.59 0.00	43.95 1.53 0.00	38.98 1.89 0.00	35.24 1.39 0.00



TILDEN___115KV_TB1 80814	31.63 0.06 0.00	27.97 0.06 0.00	26.83 0.03 0.00	25.22 0.00 0.00	25.51 0.00 0.00	27.80 -0.08 0.00	36.85 -0.19 0.00	38.27 -0.19 0.00	32.80 -0.13 0.00	26.97 -0.11 0.00	26.24 -0.13 0.00	26.06 -0.13 0.00	27.22 -0.11 0.00	29.33 -0.09 0.00	31.58 -0.13 0.00	35.28 -0.18 0.00	43.61 -0.18 0.00	63.07 -0.25 0.00	73.16 -0.15 0.00	70.01 -0.07 0.00	49.39 0.00 0.00	42.25 -0.17 0.00	36.94 -0.15 0.00	33.78 -0.07 0.00
TRIGEN___CC 323695	32.45 0.88 0.00	28.52 0.61 0.00	27.28 0.48 0.00	25.65 0.43 0.00	25.92 0.41 0.00	28.41 0.53 0.00	37.73 0.70 0.01	39.45 1.00 0.01	33.99 1.05 0.00	28.00 0.92 0.00	27.66 1.29 0.00	27.48 1.28 0.00	28.78 1.45 0.00	31.32 1.68 -0.22	33.99 2.00 -0.28	38.17 2.23 -0.48	45.54 1.75 0.00	64.96 1.65 0.01	74.99 1.69 0.01	71.26 1.19 0.01	50.23 0.84 0.00	43.99 1.57 0.00	38.87 1.78 0.00	35.27 1.42 0.00
TRINITY__115KV__4 BK 55933	31.79 0.22 0.00	28.11 0.20 0.00	26.99 0.19 0.00	25.39 0.18 0.00	25.66 0.15 0.00	28.13 0.25 0.00	37.44 0.41 0.00	38.96 0.50 0.00	33.17 0.23 0.00	27.21 0.14 0.00	26.50 0.13 0.00	26.25 0.05 0.00	27.38 0.05 0.00	29.41 0.12 0.13	31.80 0.25 0.16	35.39 0.21 0.28	43.88 0.09 0.00	63.32 0.00 0.00	73.09 -0.22 0.00	69.73 -0.35 0.00	49.29 -0.10 0.00	42.51 0.08 0.00	37.20 0.11 0.00	33.88 0.03 0.00
UNION___PROCESSING_DRP 323587	31.63 0.06 0.00	27.88 -0.03 0.00	26.75 -0.05 0.00	25.22 0.00 0.00	25.38 -0.13 0.00	27.49 -0.39 0.00	36.22 -0.81 0.00	37.27 -1.19 0.00	32.28 -0.66 0.00	26.84 -0.24 0.00	26.24 -0.13 0.00	26.06 -0.13 0.00	27.30 -0.03 0.00	29.39 -0.03 0.00	31.42 -0.29 0.00	35.07 -0.39 0.00	43.44 -0.35 0.00	62.31 -1.01 0.00	72.35 -0.95 0.00	69.24 -0.84 0.00	48.89 -0.49 0.00	41.49 -0.93 0.00	36.50 -0.59 0.00	33.68 -0.17 0.00
UPPER HUDSON___HYD 24058	32.39 0.82 0.00	28.55 0.64 0.00	27.50 0.70 0.00	25.87 0.65 0.00	26.12 0.61 0.00	28.58 0.70 0.00	38.03 1.00 0.00	39.42 0.96 0.00	33.50 0.56 0.00	27.29 0.22 0.00	26.39 0.03 0.00	26.06 -0.13 0.00	27.16 -0.16 0.00	29.16 -0.12 0.14	31.57 0.03 0.17	35.41 0.25 0.30	44.58 0.79 0.00	64.84 1.52 0.00	75.36 2.05 0.00	72.04 1.96 0.00	50.62 1.24 0.00	43.44 1.02 0.00	38.13 1.04 0.00	34.53 0.68 0.00
UPPER RAQUET___HYD 24056	31.70 0.13 0.00	28.11 0.20 0.00	27.01 0.21 0.00	25.42 0.20 0.00	25.77 0.26 0.00	28.32 0.44 0.00	37.73 0.70 0.00	39.07 0.61 0.00	33.43 0.49 0.00	27.41 0.33 0.00	26.63 0.26 0.00	26.59 0.39 0.00	27.66 0.33 0.00	29.66 0.23 0.00	31.87 0.16 0.00	35.74 0.28 0.00	44.45 0.66 0.00	65.03 1.71 0.00	75.80 2.49 0.00	72.67 2.59 0.00	50.87 1.48 0.00	43.48 1.06 0.00	37.80 0.70 0.00	34.36 0.51 0.00
VALLEY44_115KV_TB2 355964	31.19 -0.38 0.00	27.44 -0.47 0.00	26.29 -0.51 0.00	24.81 -0.40 0.00	25.00 -0.51 0.00	27.02 -0.86 0.00	35.29 -1.74 0.00	36.23 -2.23 0.00	31.52 -1.42 0.00	26.54 -0.54 0.00	25.97 -0.40 0.00	25.88 -0.31 0.00	27.05 -0.27 0.00	29.13 -0.29 0.00	31.01 -0.70 0.00	34.57 -0.89 0.00	43.04 -0.74 0.00	60.91 -2.41 0.00	71.11 -2.20 0.00	67.48 -2.59 0.00	47.41 -1.98 0.00	39.92 -2.50 0.00	35.42 -1.67 0.00	33.04 -0.81 0.00
VALLEY___115KV_TB 1-4 80826	31.57 0.00 0.00	27.91 0.00 0.00	26.83 0.03 0.00	25.22 0.00 0.00	25.54 0.03 0.00	27.94 0.06 0.00	37.10 0.07 0.00	38.54 0.08 0.00	32.97 0.03 0.00	27.02 -0.05 0.00	26.32 -0.05 0.00	26.12 -0.08 0.00	27.25 -0.08 0.00	29.33 -0.09 0.00	31.61 -0.10 0.00	35.42 -0.04 0.00	43.79 0.00 0.00	63.38 0.06 0.00	73.45 0.15 0.00	70.29 0.21 0.00	49.48 0.10 0.00	42.55 0.13 0.00	37.20 0.11 0.00	33.92 0.07 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	32.61 1.04 0.00	28.86 0.95 0.00	27.74 0.94 0.00	26.05 0.83 0.00	26.40 0.89 0.00	28.86 0.98 0.00	38.29 1.26 0.00	39.84 1.38 0.00	34.06 1.12 0.00	27.84 0.76 0.00	27.08 0.71 0.00	26.93 0.73 0.00	28.09 0.77 0.00	30.23 0.77 -0.04	32.61 0.86 -0.05	36.75 1.21 -0.09	45.37 1.58 0.00	65.73 2.41 0.00	76.31 3.01 0.00	73.02 2.94 0.00	51.31 1.93 0.00	44.12 1.70 0.00	38.54 1.45 0.00	35.14 1.29 0.00
VISCHER___FERRY HYD 24020	32.33 0.76 0.00	28.55 0.64 0.00	27.39 0.59 0.00	25.77 0.55 0.00	26.07 0.56 0.00	28.58 0.70 0.00	38.11 1.07 0.00	39.61 1.15 0.00	33.69 0.76 0.00	27.59 0.51 0.00	26.84 0.48 0.00	26.56 0.37 0.00	27.71 0.38 0.00	29.67 0.44 0.20	32.07 0.60 0.24	35.79 0.75 0.42	44.80 1.01 0.00	64.71 1.39 0.00	74.77 1.47 0.00	71.34 1.26 0.00	50.37 0.99 0.00	43.44 1.02 0.00	38.02 0.93 0.00	34.59 0.74 0.00
V_A_10_SYNC_DSASP 323832	31.32 -0.25 0.00	27.60 -0.31 0.00	26.50 -0.29 0.00	24.99 -0.23 0.00	25.13 -0.38 0.00	26.93 -0.95 0.00	35.18 -1.85 0.00	35.84 -2.62 0.00	31.36 -1.58 0.00	26.29 -0.79 0.00	25.79 -0.58 0.00	25.67 -0.52 0.00	26.89 -0.44 0.00	28.98 -0.44 0.00	30.82 -0.89 0.00	34.18 -1.28 0.00	42.12 -1.66 0.00	59.77 -3.55 0.00	69.35 -3.96 0.00	66.22 -3.85 0.00	46.97 -2.42 0.00	39.67 -2.76 0.00	35.24 -1.85 0.00	32.94 -0.91 0.00
V_CMM_10_SYNC_DSASP 323787	31.51 -0.06 0.00	27.91 0.00 0.00	26.80 0.00 0.00	25.22 0.00 0.00	25.56 0.05 0.00	27.99 0.11 0.00	37.25 0.22 0.00	38.61 0.15 0.00	33.10 0.16 0.00	27.21 0.14 0.00	26.47 0.11 0.00	26.40 0.21 0.00	27.49 0.16 0.00	29.54 0.12 0.00	31.77 0.06 0.00	35.60 0.14 0.00	44.10 0.31 0.00	64.14 0.82 0.00	74.41 1.10 0.00	71.20 1.12 0.00	50.03 0.64 0.00	42.85 0.42 0.00	37.35 0.26 0.00	34.02 0.17 0.00
V_CMP_10_SYNC_DSASP 323788	31.32 -0.25 0.00	27.88 -0.03 0.00	26.88 0.08 0.00	25.42 0.20 0.00	25.84 0.33 0.00	28.55 0.67 0.00	38.22 1.18 0.00	39.61 1.15 0.00	34.09 1.15 0.00	28.22 1.14 0.00	27.48 1.11 0.00	27.53 1.34 0.00	28.59 1.26 0.00	30.66 1.24 0.00	32.91 1.20 0.00	36.95 1.49 0.00	46.02 2.23 0.00	67.56 4.24 0.00	78.59 5.28 0.00	75.26 5.19 0.00	52.59 3.21 0.00	44.76 2.33 0.00	38.84 1.74 0.00	35.20 1.36 0.00
V_D_10_SYNC_DSASP 323841	31.63 0.06 0.00	28.02 0.11 0.00	26.93 0.13 0.00	25.34 0.13 0.00	25.64 0.13 0.00	28.13 0.25 0.00	37.48 0.45 0.00	38.81 0.35 0.00	33.23 0.30 0.00	27.32 0.24 0.00	26.58 0.21 0.00	26.51 0.32 0.00	27.60 0.27 0.00	29.63 0.21 0.00	31.87 0.16 0.00	35.67 0.21 0.00	44.27 0.48 0.00	64.52 1.20 0.00	74.92 1.61 0.00	71.76 1.68 0.00	50.37 0.99 0.00	43.10 0.68 0.00	37.54 0.45 0.00	34.19 0.34 0.00
V_E_10_SYNC_DSASP 323830	33.34 1.77 0.00	29.53 1.62 0.00	28.46 1.66 0.00	26.68 1.46 0.00	27.09 1.58 0.00	29.58 1.70 0.00	39.10 2.07 0.00	40.57 2.11 0.00	34.62 1.68 0.00	28.00 0.92 0.00	27.08 0.71 0.00	26.93 0.73 0.00	28.09 0.76 0.00	30.10 0.65 -0.03	32.51 0.76 -0.04	36.91 1.38 -0.07	46.11 2.32 0.00	67.43 4.11 0.00	79.32 6.01 0.00	76.25 6.17 0.00	53.29 3.90 0.00	45.31 2.89 0.00	39.39 2.30 0.00	35.95 2.10 0.00



V_F_30_NSYNC___DSASP 323816	32.61 1.04 0.00	28.78 0.87 0.00	27.68 0.88 0.00	26.05 0.83 0.00	26.30 0.79 0.00	28.80 0.92 0.00	38.36 1.33 0.00	39.81 1.35 0.00	33.83 0.89 0.00	27.62 0.54 0.00	26.76 0.40 0.00	26.48 0.29 0.00	27.60 0.27 0.00	29.63 0.35 0.15	32.03 0.51 0.18	35.88 0.75 0.32	45.01 1.22 0.00	65.29 1.97 0.00	75.72 2.42 0.00	72.32 2.24 0.00	50.97 1.58 0.00	43.82 1.40 0.00	38.39 1.30 0.00	34.86 1.01 0.00
V_F_30_SYNC_DSASP 323786	31.85 0.28 0.00	28.16 0.25 0.00	27.07 0.27 0.00	25.47 0.25 0.00	25.74 0.23 0.00	28.19 0.31 0.00	37.51 0.48 0.00	39.04 0.58 0.00	33.23 0.30 0.00	27.27 0.19 0.00	26.53 0.16 0.00	26.27 0.08 0.00	27.41 0.08 0.00	29.44 0.15 0.13	31.83 0.29 0.16	35.42 0.25 0.29	44.01 0.22 0.00	63.51 0.19 0.00	73.38 0.07 0.00	70.01 -0.07 0.00	49.44 0.05 0.00	42.64 0.21 0.00	37.32 0.22 0.00	33.95 0.10 0.00
V_XM_10_SYNC_DSASP 323789	31.32 -0.25 0.00	27.88 -0.03 0.00	26.88 0.08 0.00	25.42 0.20 0.00	25.84 0.33 0.00	28.55 0.67 0.00	38.22 1.18 0.00	39.61 1.15 0.00	34.09 1.15 0.00	28.22 1.14 0.00	27.48 1.11 0.00	27.53 1.34 0.00	28.59 1.26 0.00	30.66 1.24 0.00	32.91 1.20 0.00	36.95 1.49 0.00	46.02 2.23 0.00	67.56 4.24 0.00	78.59 5.28 0.00	75.26 5.19 0.00	52.59 3.21 0.00	44.76 2.33 0.00	38.84 1.74 0.00	35.20 1.36 0.00
W.BABYLN_69_KV_BK1 56697	32.80 1.23 0.00	28.75 0.84 0.00	27.49 0.70 0.01	25.80 0.58 0.00	26.10 0.59 0.00	28.62 0.75 0.01	37.95 0.93 0.01	39.68 1.23 0.01	34.22 1.28 0.00	28.16 1.08 0.00	27.95 1.58 0.00	27.71 1.52 0.00	29.08 1.75 0.00	31.70 2.06 -0.22	34.52 2.54 -0.27	38.91 2.98 -0.48	46.20 2.41 0.00	65.59 2.28 0.01	75.79 2.49 0.01	72.10 2.03 0.01	50.82 1.43 0.00	44.59 2.16 0.00	39.54 2.45 0.00	35.78 1.93 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	32.58 1.01 0.00	28.80 0.89 0.00	27.60 0.80 0.00	25.95 0.73 0.00	26.25 0.74 0.00	28.88 1.00 0.00	38.40 1.37 0.00	40.11 1.65 0.00	34.42 1.48 0.00	28.32 1.25 0.00	27.66 1.29 0.00	27.48 1.28 0.00	28.69 1.37 0.00	31.10 1.47 -0.21	33.71 1.74 -0.25	38.00 2.09 -0.45	45.85 2.06 0.00	65.79 2.47 0.00	75.95 2.64 0.00	72.11 2.03 0.00	50.82 1.43 0.00	44.12 1.70 0.00	38.69 1.59 0.00	35.27 1.42 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	32.77 1.20 0.00	29.00 1.09 0.00	27.76 0.96 0.00	26.10 0.88 0.00	26.40 0.89 0.00	28.94 1.06 0.00	38.47 1.44 0.00	40.23 1.77 0.00	34.58 1.65 0.00	28.49 1.41 0.00	27.87 1.50 0.00	27.69 1.49 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.00 2.03 -0.26	38.27 2.34 -0.47	46.02 2.23 0.00	66.04 2.72 0.00	76.17 2.86 0.00	72.32 2.24 0.00	50.97 1.58 0.00	44.29 1.87 0.00	38.95 1.85 0.00	35.51 1.66 0.00
W50THST__13_KV_LOAD 356117	32.89 1.33 0.00	29.08 1.17 0.00	27.84 1.05 0.00	26.18 0.96 0.00	26.48 0.97 0.00	29.05 1.17 0.00	38.59 1.56 0.00	40.34 1.88 0.00	34.72 1.78 0.00	28.60 1.52 0.00	27.98 1.61 0.00	27.79 1.60 0.00	29.02 1.69 0.00	31.52 1.88 -0.22	34.13 2.16 -0.26	38.44 2.52 -0.47	46.24 2.45 0.00	66.30 2.98 0.00	76.46 3.15 0.00	72.60 2.52 0.00	51.16 1.78 0.00	44.46 2.04 0.00	39.10 2.00 0.00	35.64 1.79 0.00
WADING RIVER_IC_1 23522	31.88 0.32 0.00	27.91 0.00 0.00	26.54 -0.13 0.12	24.99 -0.23 0.00	25.36 -0.15 0.00	27.59 -0.17 0.12	36.91 -0.11 0.01	38.68 0.23 0.01	33.36 0.43 0.00	27.46 0.38 0.00	27.32 0.95 0.00	27.09 0.89 0.00	28.39 1.06 0.00	30.93 1.29 -0.22	33.76 1.77 -0.27	38.13 2.20 -0.47	44.97 1.18 0.00	63.69 0.38 0.01	73.59 0.29 0.01	70.00 -0.07 0.01	49.44 0.05 0.00	43.44 1.02 0.00	38.61 1.52 0.00	34.86 1.01 0.00
WADING RIVER_IC_2 23547	31.88 0.32 0.00	27.91 0.00 0.00	26.54 -0.13 0.12	24.99 -0.23 0.00	25.36 -0.15 0.00	27.59 -0.17 0.12	36.91 -0.11 0.01	38.68 0.23 0.01	33.36 0.43 0.00	27.46 0.38 0.00	27.32 0.95 0.00	27.09 0.89 0.00	28.39 1.06 0.00	30.93 1.29 -0.22	33.76 1.77 -0.27	38.13 2.20 -0.47	44.97 1.18 0.00	63.69 0.38 0.01	73.59 0.29 0.01	70.00 -0.07 0.01	49.44 0.05 0.00	43.44 1.02 0.00	38.61 1.52 0.00	34.86 1.01 0.00
WADING RIVER_IC_3 23601	31.88 0.32 0.00	27.91 0.00 0.00	26.54 -0.13 0.12	24.99 -0.23 0.00	25.36 -0.15 0.00	27.59 -0.17 0.12	36.91 -0.11 0.01	38.68 0.23 0.01	33.36 0.43 0.00	27.46 0.38 0.00	27.32 0.95 0.00	27.09 0.89 0.00	28.39 1.06 0.00	30.93 1.29 -0.22	33.76 1.77 -0.27	38.13 2.20 -0.47	44.97 1.18 0.00	63.69 0.38 0.01	73.59 0.29 0.01	70.00 -0.07 0.01	49.44 0.05 0.00	43.44 1.02 0.00	38.61 1.52 0.00	34.86 1.01 0.00
WALDENNY_12_KV_BK2 80841	31.76 0.19 0.00	27.85 -0.06 0.00	26.69 -0.11 0.00	25.19 -0.03 0.00	25.33 -0.18 0.00	27.24 -0.64 0.00	35.44 -1.59 0.00	36.08 -2.38 0.00	31.59 -1.35 0.00	26.56 -0.51 0.00	26.08 -0.29 0.00	25.96 -0.24 0.00	27.22 -0.11 0.00	29.36 -0.06 0.00	31.23 -0.48 0.00	34.71 -0.74 0.00	42.91 -0.88 0.00	60.72 -2.60 0.00	70.67 -2.64 0.00	67.34 -2.73 0.00	47.66 -1.73 0.00	40.09 -2.33 0.00	35.65 -1.45 0.00	33.38 -0.47 0.00
WALDEN__HYDRO 24148	32.42 0.85 0.00	28.69 0.78 0.00	27.50 0.70 0.00	25.85 0.63 0.00	26.15 0.64 0.00	28.69 0.81 0.00	38.10 1.07 0.00	39.81 1.35 0.00	34.09 1.15 0.00	28.03 0.95 0.00	27.34 0.98 0.00	27.14 0.94 0.00	28.37 1.04 0.00	30.74 1.12 -0.20	33.31 1.36 -0.24	37.55 1.67 -0.42	45.50 1.71 0.00	65.54 2.22 0.00	75.65 2.35 0.00	71.90 1.82 0.00	50.67 1.28 0.00	43.95 1.53 0.00	38.47 1.37 0.00	35.07 1.22 0.00
WARRENSBURG____ 23737	32.39 0.82 0.00	28.58 0.67 0.00	27.52 0.72 0.00	25.90 0.68 0.00	26.12 0.61 0.00	28.60 0.72 0.00	38.03 1.00 0.00	39.42 0.96 0.00	33.50 0.56 0.00	27.32 0.24 0.00	26.39 0.03 0.00	26.06 -0.13 0.00	27.16 -0.16 0.00	29.16 -0.12 0.14	31.60 0.06 0.17	35.40 0.25 0.30	44.58 0.79 0.00	64.84 1.52 0.00	75.36 2.05 0.00	72.04 1.96 0.00	50.62 1.23 0.00	43.44 1.02 0.00	38.13 1.04 0.00	34.56 0.71 0.00
WATERSIDE____6 8 9 23538	32.93 1.36 -0.01	29.15 1.23 -0.01	27.91 1.10 -0.01	26.23 1.01 -0.01	26.54 1.02 -0.01	29.08 1.20 0.00	38.51 1.48 0.00	40.23 1.77 0.00	34.68 1.75 0.00	28.54 1.46 0.00	27.98 1.61 0.00	27.79 1.60 0.00	29.05 1.72 0.00	31.55 1.91 -0.22	34.16 2.19 -0.26	38.41 2.48 -0.47	46.02 2.23 0.00	65.92 2.60 0.00	76.02 2.71 0.00	72.25 2.17 0.00	50.92 1.53 0.00	44.33 1.91 0.00	39.14 2.04 -0.01	35.72 1.86 -0.01
WATKINRD_115KV_LN8_ILLION 55919	31.57 0.00 0.00	27.91 0.00 0.00	26.83 0.03 0.00	25.22 0.00 0.00	25.54 0.03 0.00	27.91 0.03 0.00	37.07 0.04 0.00	38.54 0.08 0.00	32.97 0.03 0.00	27.05 -0.03 0.00	26.32 -0.05 0.00	26.14 -0.05 0.00	27.27 -0.05 0.00	29.36 -0.06 0.00	31.65 -0.06 0.00	35.46 0.00 0.00	43.79 0.00 0.00	63.38 0.06 0.00	73.38 0.07 0.00	70.22 0.14 0.00	49.44 0.05 0.00	42.51 0.08 0.00	37.17 0.07 0.00	33.88 0.03 0.00



WDELAWARE___HYD 323627	32.36 0.79 0.00	28.64 0.72 0.00	27.50 0.70 0.00	25.77 0.55 0.00	26.12 0.61 0.00	28.60 0.72 0.00	38.07 1.04 0.00	39.73 1.27 0.00	34.02 1.09 0.00	27.89 0.81 0.00	27.16 0.79 0.00	26.95 0.76 0.00	28.18 0.85 0.00	30.47 0.88 -0.17	33.05 1.14 -0.20	37.37 1.56 -0.36	45.49 1.71 0.00	65.79 2.47 0.00	75.89 2.78 0.20	72.26 2.24 0.06	50.97 1.58 0.00	44.16 1.74 0.00	38.61 1.52 0.00	35.10 1.25 0.00
WEST BABYLON___IC 23714	32.80 1.23 0.00	28.75 0.84 0.00	27.49 0.70 0.01	25.80 0.58 0.00	26.10 0.59 0.00	28.62 0.75 0.01	37.95 0.93 0.01	39.68 1.23 0.01	34.22 1.28 0.00	28.16 1.08 0.00	27.95 1.58 0.00	27.71 1.52 0.00	29.08 1.75 0.00	31.70 2.06 -0.22	34.52 2.54 -0.27	38.91 2.98 -0.48	46.20 2.41 0.00	65.59 2.28 0.01	75.79 2.49 0.01	72.10 2.03 0.01	50.82 1.43 0.00	44.59 2.16 0.00	39.54 2.45 0.00	35.78 1.93 0.00
WEST CANADA___HYD 24049	31.63 0.06 0.00	27.97 0.06 0.00	26.85 0.05 0.00	25.27 0.05 0.00	25.56 0.05 0.00	27.94 0.06 0.00	37.11 0.07 0.00	38.58 0.12 0.00	33.00 0.07 0.00	27.11 0.03 0.00	26.39 0.03 0.00	26.22 0.03 0.00	27.35 0.03 0.00	29.45 0.03 0.00	31.74 0.03 0.00	35.53 0.07 0.00	43.83 0.04 0.00	63.38 0.06 0.00	73.38 0.07 0.00	70.15 0.07 0.00	49.44 0.05 0.00	42.51 0.09 0.00	37.17 0.07 0.00	33.92 0.07 0.00
WESTERN_NY_WIND 24143	32.14 0.57 0.00	28.08 0.17 0.00	26.93 0.13 0.00	25.42 0.20 0.00	25.54 0.03 0.00	27.57 -0.31 0.00	35.88 -1.15 0.00	36.61 -1.85 0.00	31.92 -1.02 0.00	26.75 -0.32 0.00	26.21 -0.16 0.00	26.06 -0.13 0.00	27.33 0.00 0.00	29.45 0.03 0.00	31.33 -0.38 0.00	34.93 -0.53 0.00	43.31 -0.48 0.00	61.67 -1.65 0.00	71.91 -1.39 0.00	68.68 -1.40 0.00	48.60 -0.79 0.00	40.90 -1.53 0.00	36.24 -0.85 0.00	33.95 0.10 0.00
WESTOVER___LESR 323668	31.79 0.22 0.00	28.11 0.20 0.00	26.96 0.16 0.00	25.37 0.15 0.00	25.61 0.10 0.00	27.94 0.06 0.00	36.92 -0.11 0.00	38.31 -0.15 0.00	32.90 -0.03 0.00	27.16 0.08 0.00	26.45 0.08 0.00	26.27 0.08 0.00	27.44 0.11 0.00	29.61 0.15 -0.03	31.81 0.06 -0.04	35.68 0.14 -0.07	44.05 0.26 0.00	63.38 0.06 0.00	73.53 0.22 0.00	70.15 0.07 0.00	49.44 0.05 0.00	42.30 -0.13 0.00	37.09 0.00 0.00	34.05 0.20 0.00
WETHRSFD_WT_PWR 323626	31.63 0.06 0.00	27.86 -0.06 0.00	26.80 0.00 0.00	25.34 0.13 0.00	25.46 -0.05 0.00	27.46 -0.42 0.00	35.73 -1.30 0.00	36.54 -1.92 0.00	31.72 -1.22 0.00	26.51 -0.57 0.00	25.89 -0.47 0.00	25.75 -0.45 0.00	26.97 -0.36 0.00	29.10 -0.32 0.00	31.17 -0.54 0.00	34.54 -0.92 0.00	42.74 -1.05 0.00	60.98 -2.34 0.00	71.33 -1.98 0.00	67.98 -2.10 0.00	48.05 -1.33 0.00	40.56 -1.87 0.00	35.87 -1.22 0.00	33.51 -0.34 0.00
WHAVSTOR_138KV_BK127 55557	32.42 0.85 0.00	28.69 0.78 0.00	27.50 0.70 0.00	25.85 0.63 0.00	26.15 0.64 0.00	28.69 0.81 0.00	38.10 1.07 0.00	39.84 1.38 0.00	34.19 1.25 0.00	28.16 1.08 0.00	27.53 1.16 0.00	27.32 1.13 0.00	28.53 1.20 0.00	30.96 1.32 -0.21	33.52 1.55 -0.25	37.75 1.84 -0.45	45.58 1.80 0.00	65.47 2.15 0.00	75.51 2.20 0.00	71.69 1.61 0.00	50.52 1.14 0.00	43.87 1.44 0.00	38.50 1.41 0.00	35.14 1.29 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	32.42 0.85 0.00	28.69 0.78 0.00	27.50 0.70 0.00	25.85 0.63 0.00	26.15 0.64 0.00	28.69 0.81 0.00	38.10 1.07 0.00	39.84 1.38 0.00	34.19 1.25 0.00	28.16 1.08 0.00	27.53 1.16 0.00	27.32 1.13 0.00	28.53 1.20 0.00	30.96 1.32 -0.21	33.52 1.55 -0.25	37.75 1.84 -0.45	45.58 1.80 0.00	65.47 2.15 0.00	75.51 2.20 0.00	71.69 1.61 0.00	50.52 1.14 0.00	43.87 1.44 0.00	38.50 1.41 0.00	35.14 1.29 0.00
WHITEHAL_115KV_TB1 80871	32.93 1.36 0.00	29.03 1.12 0.00	27.98 1.18 0.00	26.33 1.11 0.00	26.56 1.05 0.00	29.05 1.17 0.00	38.70 1.67 0.00	40.04 1.58 0.00	33.96 1.02 0.00	27.62 0.54 0.00	26.63 0.26 0.00	26.30 0.10 0.00	27.38 0.05 0.00	29.40 0.12 0.15	31.88 0.35 0.18	35.79 0.64 0.31	45.28 1.49 0.00	66.04 2.72 0.00	77.05 3.74 0.00	73.58 3.50 0.00	51.66 2.27 0.00	44.21 1.78 0.00	38.84 1.74 0.00	35.10 1.25 0.00
WHITEPLN_13_KV_LOAD 356215	32.80 1.23 0.00	29.03 1.12 0.00	27.82 1.02 0.00	26.15 0.93 0.00	26.45 0.94 0.00	28.99 1.12 0.00	38.55 1.52 0.00	40.27 1.81 0.00	34.58 1.65 0.00	28.51 1.44 0.00	27.87 1.50 0.00	27.71 1.52 0.00	28.91 1.58 0.00	31.41 1.77 -0.22	34.00 2.03 -0.26	38.30 2.38 -0.47	46.20 2.41 0.00	66.36 3.04 0.00	76.53 3.23 0.00	72.74 2.66 0.00	51.21 1.83 0.00	44.50 2.08 0.00	38.98 1.89 0.00	35.58 1.73 0.00
WM_FLOYD_69_KV_BK2 356380	32.11 0.54 0.00	28.13 0.22 0.00	26.73 0.05 0.12	25.27 0.05 0.00	25.56 0.05 0.00	27.87 0.11 0.12	37.21 0.19 0.01	38.95 0.50 0.01	33.60 0.66 0.00	27.65 0.57 0.00	27.48 1.11 0.00	27.24 1.05 0.00	28.58 1.26 0.00	31.14 1.50 -0.22	33.95 1.97 -0.27	38.35 2.41 -0.47	45.32 1.53 0.00	64.14 0.82 0.01	74.18 0.88 0.01	70.63 0.56 0.01	49.83 0.44 0.00	43.87 1.44 0.00	38.87 1.78 0.00	35.17 1.32 0.00
WOODARD___115KV_TB2 355635	31.47 -0.09 0.00	27.83 -0.08 0.00	26.72 -0.08 0.00	25.12 -0.10 0.00	25.38 -0.13 0.00	27.66 -0.22 0.00	36.66 -0.37 0.00	38.04 -0.42 0.00	32.64 -0.30 0.00	26.86 -0.22 0.00	26.13 -0.24 0.00	25.96 -0.24 0.00	27.11 -0.22 0.00	29.22 -0.21 0.00	31.42 -0.29 0.00	35.14 -0.32 0.00	43.39 -0.39 0.00	62.69 -0.63 0.00	72.72 -0.59 0.00	69.59 -0.49 0.00	49.09 -0.30 0.00	42.00 -0.42 0.00	36.72 -0.37 0.00	33.61 -0.24 0.00
WOODMERE_69_KV_BK1 55827	32.80 1.23 0.00	28.80 0.89 0.00	27.55 0.75 0.00	25.87 0.66 0.00	26.17 0.66 0.00	28.66 0.78 0.00	38.06 1.04 0.01	39.76 1.31 0.01	34.32 1.38 0.00	28.24 1.16 0.00	27.98 1.61 0.00	27.77 1.57 0.00	29.10 1.78 0.00	31.70 2.06 -0.22	34.43 2.44 -0.28	38.67 2.73 -0.48	46.20 2.41 0.00	65.85 2.53 0.01	75.94 2.64 0.01	72.24 2.17 0.01	50.97 1.58 0.00	44.54 2.12 0.00	39.36 2.26 0.00	35.68 1.83 0.00
YORK___WARBASSE 23770	32.97 1.39 -0.01	29.06 1.14 -0.01	27.85 1.05 -0.01	26.18 0.96 -0.01	26.49 0.97 -0.01	29.05 1.17 0.00	38.33 1.30 0.00	40.00 1.54 0.00	34.58 1.65 0.00	28.46 1.38 0.00	27.90 1.53 0.00	27.74 1.55 0.00	28.99 1.67 0.00	31.50 1.85 -0.22	34.13 2.16 -0.26	38.34 2.41 -0.47	45.76 1.97 0.00	65.73 2.41 0.00	75.87 2.57 0.00	72.04 1.96 0.00	50.72 1.33 0.00	44.16 1.74 0.00	39.07 1.97 -0.01	35.62 1.76 -0.01