

# Day Ahead Market Generator LBMP

		--- LBMP \$								--- Marginal Cost of Losses								--- Marginal Cost of Congestion										
Generator Data		10/02/2025																										
Name		00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00			
PTID		EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT			
59TH STREET_GT_1		29.74	27.51	26.49	26.06	27.26	31.33	44.61	48.62	40.30	31.27	29.36	27.54	27.21	28.63	29.11	30.23	35.94	47.47	58.88	58.03	46.33	40.52	34.13	31.98			
24138		1.14	1.03	0.97	0.88	0.82	0.85	1.17	1.23	1.62	1.43	1.50	1.44	1.47	1.67	1.80	1.92	2.10	2.43	2.54	2.29	2.00	1.97	1.63	1.35			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
74TH STREET_GT_1		29.77	27.54	26.49	26.09	27.29	31.33	44.61	48.57	40.26	31.24	29.34	27.52	27.21	28.63	29.08	30.23	35.91	47.47	58.88	58.03	46.33	40.52	34.16	32.01			
24260		1.17	1.06	0.97	0.91	0.85	0.85	1.17	1.18	1.59	1.40	1.48	1.41	1.47	1.67	1.78	1.92	2.06	2.43	2.54	2.29	2.00	1.97	1.66	1.38			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
74TH STREET_GT_2		29.77	27.54	26.49	26.09	27.29	31.33	44.61	48.57	40.26	31.24	29.34	27.52	27.21	28.63	29.08	30.23	35.91	47.47	58.88	58.03	46.33	40.52	34.16	32.01			
24261		1.17	1.06	0.97	0.91	0.85	0.85	1.17	1.18	1.59	1.40	1.48	1.41	1.47	1.67	1.78	1.92	2.06	2.43	2.54	2.29	2.00	1.97	1.66	1.38			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
ADK HUDSON___FALLS		30.17	27.86	26.89	26.49	27.90	32.12	46.04	49.99	40.37	30.70	28.53	26.60	26.20	27.49	27.80	29.13	35.06	47.29	59.50	58.75	46.86	40.76	34.26	32.25			
24011		1.57	1.38	1.38	1.31	1.45	1.65	2.61	2.61	1.70	0.87	0.67	0.50	0.46	0.54	0.49	0.82	1.22	2.25	3.16	3.01	2.53	2.20	1.76	1.62			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
ADK RESOURCE___RCVRY		30.28	27.96	27.00	26.59	28.03	32.30	46.30	50.28	40.53	30.79	28.61	26.66	26.25	27.52	27.83	29.19	35.13	47.47	59.84	59.09	47.13	40.91	34.39	32.38			
23798		1.69	1.48	1.48	1.41	1.59	1.83	2.87	2.89	1.86	0.95	0.75	0.55	0.51	0.57	0.52	0.88	1.29	2.43	3.49	3.34	2.79	2.35	1.88	1.75			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
ADK S GLENS___FALLS		30.17	27.86	26.89	26.49	27.90	32.12	46.04	49.99	40.37	30.70	28.53	26.60	26.20	27.49	27.80	29.13	35.06	47.29	59.50	58.75	46.86	40.76	34.26	32.25			
24028		1.57	1.38	1.38	1.31	1.45	1.65	2.61	2.61	1.70	0.87	0.67	0.50	0.46	0.54	0.49	0.82	1.22	2.25	3.16	3.01	2.53	2.20	1.76	1.62			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
ADK_NYS___DAM		29.80	27.38	26.36	25.99	27.39	31.48	44.96	48.90	39.91	30.70	28.81	26.87	26.43	27.74	28.16	29.36	35.20	47.11	58.54	57.64	46.20	40.14	33.81	31.95			
23527		1.20	0.90	0.84	0.81	0.95	1.00	1.52	1.52	1.24	0.87	0.95	0.76	0.70	0.78	0.85	1.05	1.36	2.07	2.20	1.90	1.86	1.58	1.30	1.32			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
AIR_PRODUCTS___DRP		28.74	26.53	25.59	25.41	26.71	30.44	43.13	47.10	38.48	29.66	27.75	25.93	25.61	26.82	27.20	28.34	33.88	45.09	56.18	55.41	44.29	38.75	32.64	30.75			
24190		0.14	0.05	0.08	0.23	0.26	-0.03	-0.30	-0.28	-0.19	-0.18	-0.11	-0.18	-0.13	-0.13	-0.11	0.03	0.03	0.05	-0.17	-0.33	-0.04	0.19	0.13	0.12			
		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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
AKWESSNE_115KV_BK		28.77	26.69	25.75	25.43	26.71	30.81	44.09	48.10	39.06	30.14	28.14	26.42	26.00	27.06	27.44	28.14	33.71	45.00	56.40	55.80	44.34	38.52	32.41	30.78			
355683		0.17	0.21	0.23	0.25	0.26	0.34	0.65	0.71	0.39	0.30	0.28	0.31	0.26	0.11	0.14	-0.17	-0.14	-0.05	0.06	0.06	0.00	-0.04	-0.10	0.15			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
ALBANY_1_SOLAR		29.39	27.17	26.18	25.91	27.24	31.23	44.52	48.38	39.10	29.87	27.83	25.98	25.61	26.87	27.25	28.48	34.22	45.99	57.69	56.97	45.49	39.64	33.41	31.49			
323833		0.80	0.69	0.66	0.73	0.79	0.76	1.09	1.00	0.43	0.03	-0.03	-0.13	-0.13	-0.08	-0.05	0.17	0.37	0.95	1.35	1.22	1.15	1.08	0.91	0.86			
		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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
ALBANY_2_SOLAR		29.39	27.17	26.18	25.91	27.24	31.23	44.48	48.38	39.10	29.87	27.83	25.98	25.61	26.87	27.25	28.48	34.22	45.94	57.69	56.97	45.49	39.64	33.38	31.49			
323834		0.80	0.69	0.66	0.73	0.79	0.76	1.04	1.00	0.43	0.03	-0.03	-0.13	-0.13	-0.08	-0.05	0.17	0.37	0.90	1.35	1.22	1.15	1.08	0.88	0.86			
		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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
ALBANY___1		28.74	26.53	25.59	25.41	26.71	30.44	43.13	47.10	38.48	29.66	27.75	25.93	25.61	26.82	27.20	28.34	33.88	45.09	56.18	55.41	44.29	38.75	32.64	30.75			
23571		0.14	0.05	0.08	0.23	0.26	-0.03	-0.30	-0.28	-0.19	-0.18	-0.11	-0.18	-0.13	-0.13	-0.11	0.03	0.03	0.05	-0.17	-0.33	-0.04	0.19	0.13	0.12			
		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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			



ALBANY___2 23572	28.74 0.14 0.00	26.53 0.05 0.00	25.59 0.08 0.00	25.41 0.23 0.00	26.71 0.26 0.00	30.44 -0.03 0.00	43.13 -0.30 0.00	47.10 -0.28 0.00	38.48 -0.19 0.00	29.66 -0.18 0.00	27.75 -0.11 0.00	25.93 -0.18 0.00	25.61 -0.13 0.00	26.82 -0.13 0.00	27.20 -0.11 0.00	28.34 0.03 0.00	33.88 0.03 0.00	45.09 0.05 0.00	56.18 -0.17 0.00	55.41 -0.33 0.00	44.29 -0.04 0.00	38.75 0.19 0.00	32.64 0.13 0.00	30.75 0.12 0.00
ALBANY___3 23573	28.74 0.14 0.00	26.53 0.05 0.00	25.59 0.08 0.00	25.41 0.23 0.00	26.71 0.26 0.00	30.44 -0.03 0.00	43.13 -0.30 0.00	47.10 -0.28 0.00	38.48 -0.19 0.00	29.66 -0.18 0.00	27.75 -0.11 0.00	25.93 -0.18 0.00	25.61 -0.13 0.00	26.82 -0.13 0.00	27.20 -0.11 0.00	28.34 0.03 0.00	33.88 0.03 0.00	45.09 0.05 0.00	56.18 -0.17 0.00	55.41 -0.33 0.00	44.29 -0.04 0.00	38.75 0.19 0.00	32.64 0.13 0.00	30.75 0.12 0.00
ALBANY___4 23574	28.74 0.14 0.00	26.53 0.05 0.00	25.59 0.08 0.00	25.41 0.23 0.00	26.71 0.26 0.00	30.44 -0.03 0.00	43.13 -0.30 0.00	47.10 -0.28 0.00	38.48 -0.19 0.00	29.66 -0.18 0.00	27.75 -0.11 0.00	25.93 -0.18 0.00	25.61 -0.13 0.00	26.82 -0.13 0.00	27.20 -0.11 0.00	28.34 0.03 0.00	33.88 0.03 0.00	45.09 0.05 0.00	56.18 -0.17 0.00	55.41 -0.33 0.00	44.29 -0.04 0.00	38.75 0.19 0.00	32.64 0.13 0.00	30.75 0.12 0.00
ALBANY___LFGE 323615	28.97 0.37 0.00	26.75 0.26 0.00	25.75 0.23 0.00	25.56 0.38 0.00	26.89 0.45 0.00	30.69 0.21 0.00	43.57 0.13 0.00	47.53 0.14 0.00	38.83 0.16 0.00	29.87 0.03 0.00	27.94 0.08 0.00	26.11 0.00 0.00	25.76 0.03 0.00	26.98 0.03 0.00	27.34 0.03 0.00	28.53 0.23 0.00	34.15 0.30 0.00	45.44 0.40 0.00	56.74 0.40 0.00	55.97 0.22 0.00	44.74 0.40 0.00	39.02 0.46 0.00	32.86 0.36 0.00	31.00 0.37 0.00
ALCOA_PA_115KV_PL-6C 55860	28.88 0.29 0.00	26.83 0.34 0.00	25.85 0.33 0.00	25.53 0.35 0.00	26.81 0.37 0.00	30.96 0.49 0.00	44.35 0.91 0.00	48.38 1.00 0.00	39.25 0.58 0.00	30.23 0.39 0.00	28.22 0.36 0.00	26.50 0.39 0.00	26.07 0.33 0.00	27.14 0.19 0.00	27.50 0.19 0.00	28.37 0.06 0.00	34.02 0.17 0.00	45.40 0.36 0.00	56.91 0.56 0.00	56.30 0.56 0.00	44.78 0.44 0.00	38.91 0.35 0.00	32.73 0.23 0.00	30.91 0.28 0.00
ALCOA_RYNLDS___DRP 24188	28.88 0.29 0.00	26.83 0.34 0.00	25.85 0.33 0.00	25.53 0.35 0.00	26.81 0.37 0.00	30.96 0.49 0.00	44.35 0.91 0.00	48.38 1.00 0.00	39.25 0.58 0.00	30.23 0.39 0.00	28.22 0.36 0.00	26.50 0.39 0.00	26.07 0.33 0.00	27.14 0.19 0.00	27.50 0.19 0.00	28.37 0.06 0.00	34.02 0.17 0.00	45.40 0.36 0.00	56.91 0.56 0.00	56.30 0.56 0.00	44.78 0.44 0.00	38.91 0.35 0.00	32.73 0.23 0.00	30.91 0.28 0.00
ALCOA___DSASP 323711	28.88 0.29 0.00	26.83 0.34 0.00	25.85 0.33 0.00	25.53 0.35 0.00	26.81 0.37 0.00	30.96 0.49 0.00	44.35 0.91 0.00	48.38 1.00 0.00	39.25 0.58 0.00	30.22 0.39 0.00	28.22 0.36 0.00	26.50 0.39 0.00	26.07 0.33 0.00	27.15 0.19 0.00	27.50 0.19 0.00	28.37 0.06 0.00	34.02 0.17 0.00	45.40 0.36 0.00	56.91 0.56 0.00	56.30 0.56 0.00	44.78 0.44 0.00	38.90 0.35 0.00	32.73 0.23 0.00	30.91 0.28 0.00
ALLEGHENY___COGEN 23514	28.26 -0.51 -0.18	26.26 -0.40 -0.17	25.54 -0.10 -0.13	25.00 -0.28 -0.10	26.25 -0.40 -0.21	30.90 -0.12 -0.55	44.32 -0.61 -1.49	49.03 -0.28 -1.93	39.17 -0.62 -1.12	29.80 -0.51 -0.47	27.46 -0.70 -0.30	25.74 -0.52 -0.16	25.40 -0.46 -0.13	26.78 -0.40 -0.23	27.07 -0.52 -0.28	27.73 -0.85 -0.27	33.33 -0.84 -0.33	44.65 -1.12 -0.74	57.75 -0.90 -2.31	57.90 -0.22 -2.38	45.05 -0.89 -1.60	38.57 -0.73 -0.75	32.81 -0.29 -0.60	30.77 -0.28 -0.42
ALTAMONT_115KV_TB 2 55880	28.94 0.34 0.00	26.75 0.26 0.00	25.77 0.26 0.00	25.48 0.30 0.00	26.76 0.32 0.00	30.69 0.21 0.00	43.65 0.22 0.00	47.58 0.19 0.00	38.91 0.23 0.00	29.99 0.15 0.00	28.05 0.20 0.00	26.26 0.16 0.00	25.89 0.15 0.00	27.17 0.22 0.00	27.55 0.25 0.00	28.65 0.34 0.00	34.25 0.41 0.00	45.58 0.54 0.00	56.79 0.45 0.00	56.08 0.33 0.00	44.78 0.44 0.00	39.06 0.50 0.00	32.90 0.39 0.00	31.00 0.37 0.00
ALTONA_WT_PWR 323606	29.48 0.89 0.00	27.49 1.01 0.00	26.56 1.05 0.00	26.32 1.13 0.00	27.69 1.24 0.00	32.06 1.58 0.00	46.13 2.69 0.00	50.38 2.99 0.00	40.76 2.09 0.00	31.45 1.61 0.00	29.39 1.53 0.00	27.65 1.54 0.00	27.15 1.41 0.00	28.17 1.21 0.00	28.59 1.28 0.00	29.52 1.22 0.00	35.47 1.62 0.00	47.47 2.43 0.00	59.61 3.27 0.00	58.86 3.12 0.00	46.69 2.35 0.00	40.37 1.81 0.00	33.87 1.36 0.00	31.70 1.07 0.00
AMERICAN_REF_FUEL 24010	27.39 -1.37 -0.17	25.53 -1.11 -0.16	24.97 -0.66 -0.12	24.41 -0.86 -0.09	25.39 -1.24 -0.19	29.82 -1.16 -0.51	41.73 -3.08 -1.38	45.99 -3.17 -1.78	37.42 -2.28 -1.03	29.26 -1.01 -0.44	27.08 -1.06 -0.28	25.63 -0.63 -0.15	25.32 -0.54 -0.12	26.73 -0.43 -0.21	27.04 -0.52 -0.26	27.32 -1.24 -0.25	32.35 -1.79 -0.30	42.84 -2.88 -0.68	54.09 -4.39 -2.14	53.98 -3.96 -2.20	42.31 -3.50 -1.48	36.55 -2.70 -0.69	31.60 -1.46 -0.56	30.10 -0.92 -0.39
ARKWRIGHT___SUMMIT_WT_PWR 323751	27.74 -1.03 -0.17	25.93 -0.71 -0.16	25.28 -0.36 -0.12	24.82 -0.45 -0.09	26.00 -0.63 -0.19	30.68 -0.30 -0.51	43.49 -1.35 -1.40	47.87 -1.33 -1.81	38.76 -0.97 -1.05	30.43 0.15 -0.45	28.20 0.06 -0.28	26.70 0.44 -0.15	26.45 0.59 -0.12	27.95 0.78 -0.22	28.31 0.74 -0.26	28.59 0.03 -0.26	33.92 -0.24 -0.31	45.01 -0.72 -0.69	57.05 -1.47 -2.17	56.70 -1.28 -2.23	44.06 -1.77 -1.50	37.64 -1.62 -0.70	32.23 -0.85 -0.57	30.32 -0.70 -0.39
ARTHUR KILL_GT_1 23520	29.85 1.26 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.08 0.61 0.00	43.78 0.35 0.01	47.57 0.19 0.01	39.49 0.81 0.00	30.70 0.87 0.00	28.83 0.98 0.00	27.05 0.94 0.00	26.74 1.00 0.00	28.17 1.21 0.00	28.65 1.34 0.00	29.78 1.47 0.00	35.37 1.52 0.00	46.47 1.44 0.01	57.69 1.35 0.01	56.85 1.11 0.01	45.44 1.11 0.01	40.06 1.50 0.00	33.97 1.46 0.00	31.89 1.26 0.00
ARTHUR_KILL_2 23512	29.77 1.17 0.00	27.49 1.01 0.00	26.33 0.82 0.00	25.96 0.78 0.00	27.24 0.79 0.00	31.02 0.55 0.00	43.60 0.17 0.01	47.43 0.05 0.01	39.37 0.70 0.00	30.64 0.81 0.00	28.78 0.92 0.00	27.00 0.89 0.00	26.69 0.95 0.00	28.09 1.13 0.00	28.56 1.26 0.00	29.70 1.39 0.00	35.27 1.42 0.00	46.20 1.17 0.01	57.52 1.19 0.01	56.68 0.95 0.01	45.30 0.97 0.01	39.91 1.35 0.00	33.84 1.33 0.00	31.82 1.19 0.00
ARTHUR_KILL_3 23513	29.48 0.89 0.00	27.28 0.79 0.00	26.15 0.64 0.00	25.78 0.60 0.00	27.02 0.58 0.00	31.05 0.58 0.00	44.13 0.69 0.00	48.05 0.66 0.00	39.91 1.24 0.00	31.00 1.16 0.00	29.11 1.25 0.00	27.31 1.20 0.00	26.97 1.24 0.00	28.41 1.45 0.00	28.86 1.56 0.00	29.98 1.67 0.00	35.64 1.79 0.00	46.84 1.80 0.00	58.26 1.92 0.00	57.41 1.67 0.00	45.85 1.51 0.00	40.18 1.62 0.00	33.84 1.33 0.00	31.70 1.07 0.00



ARTHUR_KILL_COGEN 323718	29.85 1.26 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.08 0.61 0.00	43.73 0.31 0.01	47.57 0.19 0.01	39.49 0.81 0.00	30.70 0.87 0.00	28.83 0.97 0.00	27.05 0.94 0.00	26.74 1.00 0.00	28.17 1.21 0.00	28.65 1.34 0.00	29.78 1.47 0.00	35.37 1.52 0.00	46.34 1.31 0.01	57.69 1.35 0.01	56.85 1.11 0.01	45.44 1.11 0.01	40.02 1.46 0.00	33.93 1.43 0.00	31.89 1.26 0.00
ASHOKAN____ 23654	29.48 0.89 0.00	27.33 0.85 0.00	26.23 0.71 0.00	25.94 0.75 0.00	27.18 0.74 0.00	31.42 0.95 0.00	44.91 1.48 0.00	48.86 1.47 0.00	39.37 0.70 0.00	29.99 0.15 0.00	27.91 0.06 0.00	26.06 -0.05 0.00	25.74 0.00 0.00	27.06 0.11 0.00	27.53 0.22 0.00	28.76 0.45 0.00	34.52 0.68 0.00	46.52 1.48 0.00	58.48 2.14 0.00	57.69 1.95 0.00	46.02 1.68 0.00	39.99 1.43 0.00	33.81 1.30 0.00	31.79 1.16 0.00
ASTORIA_EAST_ENERGY_CC1 323581	29.74 1.14 0.00	27.43 0.95 0.00	26.28 0.76 0.00	25.91 0.73 0.00	27.18 0.74 0.00	30.99 0.52 0.00	44.17 0.74 0.01	48.14 0.76 0.01	39.71 1.04 0.01	30.93 1.10 0.01	29.05 1.20 0.01	27.28 1.18 0.01	26.94 1.21 0.01	28.35 1.40 0.01	28.80 1.50 0.01	29.94 1.64 0.01	35.46 1.62 0.01	46.84 1.80 0.01	58.31 1.97 0.01	57.47 1.73 0.01	45.88 1.55 0.01	40.02 1.46 0.00	33.90 1.40 0.00	31.82 1.19 0.00
ASTORIA_EAST_ENERGY_CC2 323582	29.74 1.14 0.00	27.43 0.95 0.00	26.28 0.76 0.00	25.91 0.73 0.00	27.18 0.74 0.00	30.99 0.52 0.00	44.17 0.74 0.01	48.14 0.76 0.01	39.71 1.04 0.01	30.93 1.10 0.01	29.05 1.20 0.01	27.28 1.18 0.01	26.94 1.21 0.01	28.35 1.40 0.01	28.80 1.50 0.01	29.94 1.64 0.01	35.46 1.62 0.01	46.84 1.80 0.01	58.31 1.97 0.01	57.47 1.73 0.01	45.88 1.55 0.01	40.02 1.46 0.00	33.90 1.40 0.00	31.82 1.19 0.00
ASTORIA_GT2_1 24094	29.74 1.14 0.00	27.44 0.95 0.00	26.36 0.84 0.00	25.94 0.76 0.00	27.18 0.74 0.00	30.99 0.52 0.00	44.21 0.78 0.01	48.14 0.76 0.01	39.72 1.04 0.00	30.94 1.10 0.00	29.06 1.20 0.00	27.28 1.17 0.00	26.95 1.21 0.00	28.36 1.40 0.00	28.84 1.53 0.00	29.95 1.64 0.00	35.47 1.62 0.00	46.92 1.89 0.01	58.31 1.97 0.01	57.46 1.73 0.01	45.88 1.55 0.01	40.06 1.50 0.00	33.94 1.43 0.00	31.83 1.19 0.00
ASTORIA_GT2_2 24095	29.74 1.14 0.00	27.44 0.95 0.00	26.36 0.84 0.00	25.94 0.76 0.00	27.18 0.74 0.00	30.99 0.52 0.00	44.21 0.78 0.01	48.14 0.76 0.01	39.72 1.04 0.00	30.94 1.10 0.00	29.06 1.20 0.00	27.28 1.17 0.00	26.95 1.21 0.00	28.36 1.40 0.00	28.84 1.53 0.00	29.95 1.64 0.00	35.47 1.62 0.00	46.92 1.89 0.01	58.31 1.97 0.01	57.46 1.73 0.01	45.88 1.55 0.01	40.06 1.50 0.00	33.94 1.43 0.00	31.83 1.19 0.00
ASTORIA_GT2_3 24096	29.74 1.14 0.00	27.44 0.95 0.00	26.36 0.84 0.00	25.94 0.76 0.00	27.18 0.74 0.00	30.99 0.52 0.00	44.21 0.78 0.01	48.14 0.76 0.01	39.72 1.04 0.00	30.94 1.10 0.00	29.06 1.20 0.00	27.28 1.17 0.00	26.95 1.21 0.00	28.36 1.40 0.00	28.84 1.53 0.00	29.95 1.64 0.00	35.47 1.62 0.00	46.92 1.89 0.01	58.31 1.97 0.01	57.46 1.73 0.01	45.88 1.55 0.01	40.06 1.50 0.00	33.94 1.43 0.00	31.83 1.19 0.00
ASTORIA_GT2_4 24097	29.74 1.14 0.00	27.44 0.95 0.00	26.36 0.84 0.00	25.94 0.76 0.00	27.18 0.74 0.00	30.99 0.52 0.00	44.21 0.78 0.01	48.14 0.76 0.01	39.72 1.04 0.00	30.94 1.10 0.00	29.06 1.20 0.00	27.28 1.17 0.00	26.95 1.21 0.00	28.36 1.40 0.00	28.84 1.53 0.00	29.95 1.64 0.00	35.47 1.62 0.00	46.92 1.89 0.01	58.31 1.97 0.01	57.46 1.73 0.01	45.88 1.55 0.01	40.06 1.50 0.00	33.94 1.43 0.00	31.83 1.19 0.00
ASTORIA_GT3_1 24098	29.74 1.14 0.00	27.44 0.95 0.00	26.36 0.84 0.00	25.94 0.76 0.00	27.18 0.74 0.00	30.99 0.52 0.00	44.21 0.78 0.01	48.14 0.76 0.01	39.72 1.04 0.00	30.94 1.10 0.00	29.06 1.20 0.00	27.28 1.17 0.00	26.95 1.21 0.00	28.36 1.40 0.00	28.84 1.53 0.00	29.95 1.64 0.00	35.47 1.62 0.00	46.92 1.89 0.01	58.31 1.97 0.01	57.46 1.73 0.01	45.88 1.55 0.01	40.06 1.50 0.00	33.94 1.43 0.00	31.83 1.19 0.00
ASTORIA_GT3_2 24099	29.74 1.14 0.00	27.44 0.95 0.00	26.36 0.84 0.00	25.94 0.76 0.00	27.18 0.74 0.00	30.99 0.52 0.00	44.21 0.78 0.01	48.14 0.76 0.01	39.72 1.04 0.00	30.94 1.10 0.00	29.06 1.20 0.00	27.28 1.17 0.00	26.95 1.21 0.00	28.36 1.40 0.00	28.84 1.53 0.00	29.95 1.64 0.00	35.47 1.62 0.00	46.92 1.89 0.01	58.31 1.97 0.01	57.46 1.73 0.01	45.88 1.55 0.01	40.06 1.50 0.00	33.94 1.43 0.00	31.83 1.19 0.00
ASTORIA_GT3_3 24100	29.74 1.14 0.00	27.44 0.95 0.00	26.36 0.84 0.00	25.94 0.76 0.00	27.18 0.74 0.00	30.99 0.52 0.00	44.21 0.78 0.01	48.14 0.76 0.01	39.72 1.04 0.00	30.94 1.10 0.00	29.06 1.20 0.00	27.28 1.17 0.00	26.95 1.21 0.00	28.36 1.40 0.00	28.84 1.53 0.00	29.95 1.64 0.00	35.47 1.62 0.00	46.92 1.89 0.01	58.31 1.97 0.01	57.46 1.73 0.01	45.88 1.55 0.01	40.06 1.50 0.00	33.94 1.43 0.00	31.83 1.19 0.00
ASTORIA_GT3_4 24101	29.74 1.14 0.00	27.44 0.95 0.00	26.36 0.84 0.00	25.94 0.76 0.00	27.18 0.74 0.00	30.99 0.52 0.00	44.21 0.78 0.01	48.14 0.76 0.01	39.72 1.04 0.00	30.94 1.10 0.00	29.06 1.20 0.00	27.28 1.17 0.00	26.95 1.21 0.00	28.36 1.40 0.00	28.84 1.53 0.00	29.95 1.64 0.00	35.47 1.62 0.00	46.92 1.89 0.01	58.31 1.97 0.01	57.46 1.73 0.01	45.88 1.55 0.01	40.06 1.50 0.00	33.94 1.43 0.00	31.83 1.19 0.00
ASTORIA_GT4_1 24102	29.74 1.14 0.00	27.44 0.95 0.00	26.36 0.84 0.00	25.94 0.76 0.00	27.18 0.74 0.00	30.99 0.52 0.00	44.21 0.78 0.01	48.14 0.76 0.01	39.72 1.04 0.00	30.94 1.10 0.00	29.06 1.20 0.00	27.28 1.17 0.00	26.95 1.21 0.00	28.36 1.40 0.00	28.84 1.53 0.00	29.95 1.64 0.00	35.47 1.62 0.00	46.92 1.89 0.01	58.31 1.97 0.01	57.46 1.73 0.01	45.88 1.55 0.01	40.06 1.50 0.00	33.94 1.43 0.00	31.83 1.19 0.00
ASTORIA_GT4_2 24103	29.74 1.14 0.00	27.44 0.95 0.00	26.36 0.84 0.00	25.94 0.76 0.00	27.18 0.74 0.00	30.99 0.52 0.00	44.21 0.78 0.01	48.14 0.76 0.01	39.72 1.04 0.00	30.94 1.10 0.00	29.06 1.20 0.00	27.28 1.17 0.00	26.95 1.21 0.00	28.36 1.40 0.00	28.84 1.53 0.00	29.95 1.64 0.00	35.47 1.62 0.00	46.92 1.89 0.01	58.31 1.97 0.01	57.46 1.73 0.01	45.88 1.55 0.01	40.06 1.50 0.00	33.94 1.43 0.00	31.83 1.19 0.00
ASTORIA_GT4_3 24104	29.74 1.14 0.00	27.44 0.95 0.00	26.36 0.84 0.00	25.94 0.76 0.00	27.18 0.74 0.00	30.99 0.52 0.00	44.21 0.78 0.01	48.14 0.76 0.01	39.72 1.04 0.00	30.94 1.10 0.00	29.06 1.20 0.00	27.28 1.17 0.00	26.95 1.21 0.00	28.36 1.40 0.00	28.84 1.53 0.00	29.95 1.64 0.00	35.47 1.62 0.00	46.92 1.89 0.01	58.31 1.97 0.01	57.46 1.73 0.01	45.88 1.55 0.01	40.06 1.50 0.00	33.94 1.43 0.00	31.83 1.19 0.00



ASTORIA_GT4_4 24105	29.74 1.14 0.00	27.44 0.95 0.00	26.36 0.84 0.00	25.94 0.76 0.00	27.18 0.74 0.00	30.99 0.52 0.00	44.21 0.78 0.01	48.14 0.76 0.01	39.72 1.04 0.00	30.94 1.10 0.00	29.06 1.20 0.00	27.28 1.17 0.00	26.95 1.21 0.00	28.36 1.40 0.00	28.84 1.53 0.00	29.95 1.64 0.00	35.47 1.62 0.00	46.92 1.89 0.01	58.31 1.97 0.01	57.46 1.73 0.01	45.88 1.55 0.01	40.06 1.50 0.00	33.94 1.43 0.00	31.83 1.19 0.00
ASTORIA_GT_1 23523	29.77 1.17 0.00	27.49 1.01 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.21 0.77 0.00	31.02 0.55 0.00	44.25 0.83 0.01	48.23 0.85 0.01	39.79 1.12 0.00	31.00 1.16 0.00	29.11 1.25 0.00	27.34 1.23 0.00	27.00 1.26 0.00	28.41 1.46 0.00	28.89 1.58 0.00	30.01 1.70 0.00	35.54 1.69 0.00	47.01 1.98 0.01	58.42 2.08 0.01	57.58 1.84 0.01	45.97 1.64 0.01	40.14 1.58 0.00	33.97 1.46 0.00	31.86 1.23 0.00
ASTORIA_GT_10 24110	29.68 1.09 0.00	27.44 0.95 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.18 0.74 0.00	31.08 0.61 0.00	44.12 0.69 0.01	48.00 0.62 0.01	39.79 1.12 0.00	31.00 1.16 0.00	29.11 1.25 0.00	27.34 1.23 0.00	27.00 1.26 0.00	28.41 1.46 0.00	28.89 1.58 0.00	30.01 1.70 0.00	35.54 1.69 0.00	46.88 1.85 0.01	58.20 1.86 0.01	57.30 1.56 0.01	45.79 1.46 0.01	40.10 1.54 0.00	33.94 1.43 0.00	31.83 1.19 0.00
ASTORIA_GT_11 24225	29.68 1.09 0.00	27.44 0.95 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.18 0.74 0.00	31.08 0.61 0.00	44.12 0.69 0.01	48.00 0.62 0.01	39.79 1.12 0.00	31.00 1.16 0.00	29.11 1.25 0.00	27.34 1.23 0.00	27.00 1.26 0.00	28.41 1.46 0.00	28.89 1.58 0.00	30.01 1.70 0.00	35.54 1.69 0.00	46.88 1.85 0.01	58.20 1.86 0.01	57.30 1.56 0.01	45.79 1.46 0.01	40.10 1.54 0.00	33.94 1.43 0.00	31.83 1.19 0.00
ASTORIA_GT_12 24226	29.68 1.09 0.00	27.44 0.95 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.18 0.74 0.00	31.08 0.61 0.00	44.12 0.69 0.01	48.00 0.62 0.01	39.79 1.12 0.00	31.00 1.16 0.00	29.11 1.25 0.00	27.34 1.23 0.00	27.00 1.26 0.00	28.41 1.46 0.00	28.89 1.58 0.00	30.01 1.70 0.00	35.54 1.69 0.00	46.88 1.85 0.01	58.20 1.86 0.01	57.30 1.56 0.01	45.79 1.46 0.01	40.10 1.54 0.00	33.94 1.43 0.00	31.83 1.19 0.00
ASTORIA_GT_13 24227	29.68 1.09 0.00	27.44 0.95 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.18 0.74 0.00	31.08 0.61 0.00	44.12 0.69 0.01	48.00 0.62 0.01	39.79 1.12 0.00	31.00 1.16 0.00	29.11 1.25 0.00	27.34 1.23 0.00	27.00 1.26 0.00	28.41 1.46 0.00	28.89 1.58 0.00	30.01 1.70 0.00	35.54 1.69 0.00	46.88 1.85 0.01	58.20 1.86 0.01	57.30 1.56 0.01	45.79 1.46 0.01	40.10 1.54 0.00	33.94 1.43 0.00	31.83 1.19 0.00
ASTORIA_GT_5 24106	29.77 1.17 0.00	27.49 1.01 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.21 0.77 0.00	31.02 0.55 0.00	44.25 0.83 0.01	48.23 0.85 0.01	39.79 1.12 0.00	31.00 1.16 0.00	29.11 1.25 0.00	27.34 1.23 0.00	27.00 1.26 0.00	28.41 1.46 0.00	28.89 1.58 0.00	30.01 1.70 0.00	35.54 1.69 0.00	47.01 1.98 0.01	58.42 2.08 0.01	57.58 1.84 0.01	45.97 1.64 0.01	40.14 1.58 0.00	33.97 1.46 0.00	31.86 1.23 0.00
ASTORIA_GT_7 24107	29.77 1.17 0.00	27.49 1.01 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.21 0.77 0.00	31.02 0.55 0.00	44.25 0.83 0.01	48.23 0.85 0.01	39.79 1.12 0.00	31.00 1.16 0.00	29.11 1.25 0.00	27.34 1.23 0.00	27.00 1.26 0.00	28.41 1.46 0.00	28.89 1.58 0.00	30.01 1.70 0.00	35.54 1.69 0.00	47.01 1.98 0.01	58.42 2.08 0.01	57.58 1.84 0.01	45.97 1.64 0.01	40.14 1.58 0.00	33.97 1.46 0.00	31.86 1.23 0.00
ASTORIA_GT_8 24108	29.77 1.17 0.00	27.49 1.01 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.21 0.77 0.00	31.02 0.55 0.00	44.25 0.83 0.01	48.23 0.85 0.01	39.79 1.12 0.00	31.00 1.16 0.00	29.11 1.25 0.00	27.34 1.23 0.00	27.00 1.26 0.00	28.41 1.46 0.00	28.89 1.58 0.00	30.01 1.70 0.00	35.54 1.69 0.00	47.01 1.98 0.01	58.42 2.08 0.01	57.58 1.84 0.01	45.97 1.64 0.01	40.14 1.58 0.00	33.97 1.46 0.00	31.86 1.23 0.00
ASTORIA___2 24149	29.74 1.14 0.00	27.43 0.95 0.00	26.28 0.76 0.00	25.91 0.73 0.00	27.18 0.74 0.00	30.99 0.52 0.00	44.17 0.74 0.01	48.14 0.76 0.01	39.71 1.04 0.01	30.93 1.10 0.01	29.05 1.20 0.01	27.28 1.18 0.01	26.94 1.21 0.01	28.35 1.40 0.01	28.80 1.50 0.01	29.94 1.64 0.01	35.46 1.62 0.01	46.84 1.80 0.01	58.31 1.97 0.01	57.47 1.73 0.01	45.88 1.55 0.01	40.02 1.46 0.00	33.90 1.40 0.00	31.82 1.19 0.00
ASTORIA___3 23516	29.68 1.09 0.00	27.43 0.95 0.00	26.31 0.79 0.00	25.94 0.75 0.00	27.18 0.74 0.00	31.08 0.61 0.00	44.08 0.65 0.01	47.99 0.61 0.01	39.80 1.12 0.00	31.00 1.16 0.00	29.11 1.25 0.00	27.34 1.23 0.00	27.00 1.26 0.00	28.41 1.45 0.00	28.86 1.56 0.00	30.01 1.70 0.00	35.54 1.69 0.00	46.74 1.71 0.01	58.19 1.86 0.01	57.29 1.56 0.01	45.79 1.46 0.01	40.06 1.50 0.00	33.93 1.43 0.00	31.82 1.19 0.00
ASTORIA___4 23517	29.68 1.09 0.00	27.44 0.95 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.18 0.74 0.00	31.08 0.61 0.00	44.12 0.69 0.01	48.00 0.62 0.01	39.79 1.12 0.00	31.00 1.16 0.00	29.11 1.25 0.00	27.34 1.23 0.00	27.00 1.26 0.00	28.41 1.46 0.00	28.89 1.58 0.00	30.01 1.70 0.00	35.54 1.69 0.00	46.88 1.85 0.01	58.20 1.86 0.01	57.30 1.56 0.01	45.79 1.46 0.01	40.10 1.54 0.00	33.94 1.43 0.00	31.83 1.19 0.00
ASTORIA___5 23518	29.68 1.09 0.00	27.43 0.95 0.00	26.31 0.79 0.00	25.94 0.75 0.00	27.18 0.74 0.00	31.08 0.61 0.00	44.08 0.65 0.01	47.99 0.61 0.01	39.80 1.12 0.00	31.00 1.16 0.00	29.11 1.25 0.00	27.34 1.23 0.00	27.00 1.26 0.00	28.41 1.45 0.00	28.86 1.56 0.00	30.01 1.70 0.00	35.54 1.69 0.00	46.74 1.71 0.01	58.19 1.86 0.01	57.29 1.56 0.01	45.79 1.46 0.01	40.06 1.50 0.00	33.93 1.43 0.00	31.82 1.19 0.00
AST_ENERGY_2_CC3 323677	25.43 0.83 3.99	25.43 0.69 1.74	25.43 0.51 0.60	25.43 0.48 0.23	25.43 0.48 1.49	25.43 0.21 5.26	28.16 0.31 15.58	28.56 0.29 19.12	27.47 0.66 11.86	25.43 0.77 5.18	27.14 0.92 1.64	27.04 0.94 0.01	26.71 0.98 0.01	27.14 1.13 0.95	27.14 1.23 1.40	27.14 1.33 2.50	27.14 1.29 7.99	28.39 1.35 18.00	38.96 1.41 18.79	39.23 1.17 17.68	28.14 1.11 17.30	28.57 1.08 11.07	27.14 1.07 6.44	27.14 0.86 4.35
AST_ENERGY_2_CC4 323678	25.43 0.83 3.99	25.43 0.69 1.74	25.43 0.51 0.60	25.43 0.48 0.23	25.43 0.48 1.49	25.43 0.21 5.26	28.16 0.31 15.58	28.56 0.29 19.12	27.47 0.66 11.86	25.43 0.77 5.18	27.14 0.92 1.64	27.04 0.94 0.01	26.71 0.98 0.01	27.14 1.13 0.95	27.14 1.23 1.40	27.14 1.33 2.50	27.14 1.29 7.99	28.39 1.35 18.00	38.96 1.41 18.79	39.23 1.17 17.68	28.14 1.11 17.30	28.57 1.08 11.07	27.14 1.07 6.44	27.14 0.86 4.35



ATHENS_STG_1 23668	29.22 0.63 0.00	27.01 0.53 0.00	25.95 0.43 0.00	25.63 0.45 0.00	26.89 0.45 0.00	30.93 0.46 0.00	44.04 0.61 0.00	47.96 0.57 0.00	39.37 0.70 0.00	30.40 0.57 0.00	28.50 0.64 0.00	26.68 0.57 0.00	26.33 0.59 0.00	27.66 0.70 0.00	28.07 0.76 0.00	29.19 0.88 0.00	34.79 0.95 0.00	46.12 1.08 0.00	57.36 1.02 0.00	56.58 0.84 0.00	45.22 0.89 0.00	39.45 0.89 0.00	33.25 0.75 0.00	31.27 0.64 0.00
ATHENS_STG_2 23670	29.22 0.63 0.00	27.01 0.53 0.00	25.95 0.43 0.00	25.63 0.45 0.00	26.89 0.45 0.00	30.93 0.46 0.00	44.04 0.61 0.00	47.96 0.57 0.00	39.37 0.70 0.00	30.40 0.57 0.00	28.50 0.64 0.00	26.68 0.57 0.00	26.33 0.59 0.00	27.66 0.70 0.00	28.07 0.76 0.00	29.19 0.88 0.00	34.79 0.95 0.00	46.12 1.08 0.00	57.36 1.02 0.00	56.58 0.84 0.00	45.22 0.89 0.00	39.45 0.89 0.00	33.25 0.75 0.00	31.27 0.64 0.00
ATHENS_STG_3 23677	29.22 0.63 0.00	27.01 0.53 0.00	25.95 0.43 0.00	25.63 0.45 0.00	26.89 0.45 0.00	30.93 0.46 0.00	44.04 0.61 0.00	47.96 0.57 0.00	39.37 0.70 0.00	30.40 0.57 0.00	28.50 0.64 0.00	26.68 0.57 0.00	26.33 0.59 0.00	27.66 0.70 0.00	28.07 0.76 0.00	29.19 0.88 0.00	34.79 0.95 0.00	46.12 1.08 0.00	57.36 1.02 0.00	56.58 0.84 0.00	45.22 0.89 0.00	39.45 0.89 0.00	33.25 0.75 0.00	31.27 0.64 0.00
AUBURN___LFGE 323710	28.79 -0.14 -0.34	26.70 -0.11 -0.32	25.65 -0.10 -0.24	25.23 -0.13 -0.18	26.72 -0.11 -0.38	31.49 0.00 -1.02	46.17 -0.04 -2.77	51.06 0.09 -3.58	40.78 0.04 -2.07	30.78 0.06 -0.88	28.33 -0.08 -0.55	26.38 -0.03 -0.29	25.98 0.00 -0.24	27.43 0.05 -0.43	27.82 0.00 -0.51	28.76 -0.06 -0.51	34.38 -0.07 -0.61	46.23 -0.18 -1.37	60.75 0.11 -4.29	60.49 0.33 -4.41	47.35 0.04 -2.97	39.83 -0.12 -1.39	33.66 0.03 -1.12	31.41 0.00 -0.78
BABYLON_RES_REC 323704	29.13 0.54 0.01	26.90 0.42 0.01	25.76 0.26 0.01	25.43 0.25 0.01	26.65 0.21 0.01	30.55 0.18 0.11	43.52 0.17 0.09	46.65 0.38 1.11	39.21 0.62 0.08	30.43 0.60 0.01	28.69 0.83 0.00	26.86 0.76 0.01	26.50 0.77 0.01	28.06 1.11 0.00	28.73 1.42 0.00	30.01 1.70 0.00	35.88 2.03 0.00	46.52 1.48 0.01	57.86 1.52 0.01	57.07 1.34 0.01	45.57 1.24 0.01	41.03 2.47 0.00	33.90 1.40 0.00	31.79 1.16 0.00
BALL_HILL_WT_PWR 323825	27.85 -0.92 -0.17	26.03 -0.61 -0.16	25.33 -0.31 -0.12	24.82 -0.45 -0.09	25.92 -0.71 -0.19	30.53 -0.46 -0.51	42.97 -1.87 -1.40	47.29 -1.90 -1.80	38.36 -1.35 -1.04	29.98 -0.30 -0.44	27.75 -0.39 -0.28	26.26 0.00 -0.15	25.96 0.10 -0.12	27.44 0.27 -0.21	27.78 0.22 -0.26	28.08 -0.48 -0.26	33.31 -0.84 -0.30	44.24 -1.49 -0.69	56.08 -2.42 -2.16	55.85 -2.12 -2.22	43.66 -2.17 -1.49	37.49 -1.77 -0.70	32.26 -0.81 -0.56	30.53 -0.49 -0.39
BARON_WINDS___WT_PWR 323822	28.13 -0.66 -0.19	26.21 -0.45 -0.18	25.39 -0.26 -0.13	24.93 -0.35 -0.10	26.15 -0.50 -0.21	30.73 -0.30 -0.57	43.85 -1.13 -1.54	48.20 -1.18 -1.99	38.82 -1.01 -1.15	29.91 -0.42 -0.49	27.64 -0.53 -0.31	25.96 -0.31 -0.16	25.64 -0.23 -0.13	27.08 -0.11 -0.24	27.43 -0.16 -0.29	28.05 -0.54 -0.28	33.41 -0.78 -0.34	44.63 -1.17 -0.76	57.27 -1.47 -2.39	56.92 -1.28 -2.46	44.57 -1.42 -1.65	38.10 -1.24 -0.77	32.41 -0.72 -0.62	30.51 -0.55 -0.43
BARRETT_IC_1 23704	29.10 0.52 0.01	26.90 0.42 0.01	25.79 0.28 0.01	25.45 0.28 0.01	26.67 0.24 0.01	30.65 0.18 0.01	43.47 0.04 0.01	47.35 0.29 0.32	39.21 0.54 0.01	30.43 0.60 0.01	28.69 0.83 0.00	26.87 0.76 0.00	26.50 0.77 0.01	28.03 1.08 0.00	28.65 1.34 0.00	29.92 1.61 0.00	35.64 1.79 0.00	46.25 1.22 0.01	57.57 1.24 0.01	56.79 1.06 0.01	45.35 1.02 0.01	40.56 2.00 0.00	33.71 1.20 0.00	31.67 1.04 0.00
BARRETT_IC_10 23701	29.10 0.52 0.01	26.90 0.42 0.01	25.79 0.28 0.01	25.45 0.28 0.01	26.67 0.24 0.01	30.65 0.18 0.01	43.47 0.04 0.01	47.35 0.29 0.32	39.21 0.54 0.01	30.43 0.60 0.01	28.69 0.83 0.00	26.87 0.76 0.00	26.50 0.77 0.01	28.03 1.08 0.00	28.65 1.34 0.00	29.92 1.61 0.00	35.64 1.79 0.00	46.25 1.22 0.01	57.57 1.24 0.01	56.79 1.06 0.01	45.35 1.02 0.01	40.56 2.00 0.00	33.71 1.20 0.00	31.67 1.04 0.00
BARRETT_IC_11 23702	29.10 0.52 0.01	26.90 0.42 0.01	25.79 0.28 0.01	25.45 0.28 0.01	26.67 0.24 0.01	30.65 0.18 0.01	43.47 0.04 0.01	47.35 0.29 0.32	39.21 0.54 0.01	30.43 0.60 0.01	28.69 0.83 0.00	26.87 0.76 0.00	26.50 0.77 0.01	28.03 1.08 0.00	28.65 1.34 0.00	29.92 1.61 0.00	35.64 1.79 0.00	46.25 1.22 0.01	57.57 1.24 0.01	56.79 1.06 0.01	45.35 1.02 0.01	40.56 2.00 0.00	33.71 1.20 0.00	31.67 1.04 0.00
BARRETT_IC_12 23703	29.10 0.52 0.01	26.90 0.42 0.01	25.79 0.28 0.01	25.45 0.28 0.01	26.67 0.24 0.01	30.65 0.18 0.01	43.47 0.04 0.01	47.35 0.29 0.32	39.21 0.54 0.01	30.43 0.60 0.01	28.69 0.83 0.00	26.87 0.76 0.00	26.50 0.77 0.01	28.03 1.08 0.00	28.65 1.34 0.00	29.92 1.61 0.00	35.64 1.79 0.00	46.25 1.22 0.01	57.57 1.24 0.01	56.79 1.06 0.01	45.35 1.02 0.01	40.56 2.00 0.00	33.71 1.20 0.00	31.67 1.04 0.00
BARRETT_IC_2 23705	29.10 0.52 0.01	26.90 0.42 0.01	25.79 0.28 0.01	25.45 0.28 0.01	26.67 0.24 0.01	30.65 0.18 0.01	43.47 0.04 0.01	47.35 0.29 0.32	39.21 0.54 0.01	30.43 0.60 0.01	28.69 0.83 0.00	26.87 0.76 0.00	26.50 0.77 0.01	28.03 1.08 0.00	28.65 1.34 0.00	29.92 1.61 0.00	35.64 1.79 0.00	46.25 1.22 0.01	57.57 1.24 0.01	56.79 1.06 0.01	45.35 1.02 0.01	40.56 2.00 0.00	33.71 1.20 0.00	31.67 1.04 0.00
BARRETT_IC_3 23706	29.10 0.52 0.01	26.90 0.42 0.01	25.79 0.28 0.01	25.45 0.28 0.01	26.67 0.24 0.01	30.65 0.18 0.01	43.47 0.04 0.01	47.35 0.29 0.32	39.21 0.54 0.01	30.43 0.60 0.01	28.69 0.83 0.00	26.87 0.76 0.00	26.50 0.77 0.01	28.03 1.08 0.00	28.65 1.34 0.00	29.92 1.61 0.00	35.64 1.79 0.00	46.25 1.22 0.01	57.57 1.24 0.01	56.79 1.06 0.01	45.35 1.02 0.01	40.56 2.00 0.00	33.71 1.20 0.00	31.67 1.04 0.00
BARRETT_IC_4 23707	29.10 0.52 0.01	26.90 0.42 0.01	25.79 0.28 0.01	25.45 0.28 0.01	26.67 0.24 0.01	30.65 0.18 0.01	43.47 0.04 0.01	47.35 0.29 0.32	39.21 0.54 0.01	30.43 0.60 0.01	28.69 0.83 0.00	26.87 0.76 0.00	26.50 0.77 0.01	28.03 1.08 0.00	28.65 1.34 0.00	29.92 1.61 0.00	35.64 1.79 0.00	46.25 1.22 0.01	57.57 1.24 0.01	56.79 1.06 0.01	45.35 1.02 0.01	40.56 2.00 0.00	33.71 1.20 0.00	31.67 1.04 0.00
BARRETT_IC_5 23708	29.10 0.52 0.01	26.90 0.42 0.01	25.79 0.28 0.01	25.45 0.28 0.01	26.67 0.24 0.01	30.65 0.18 0.01	43.47 0.04 0.01	47.35 0.29 0.32	39.21 0.54 0.01	30.43 0.60 0.01	28.69 0.83 0.00	26.87 0.76 0.00	26.50 0.77 0.01	28.03 1.08 0.00	28.65 1.34 0.00	29.92 1.61 0.00	35.64 1.79 0.00	46.25 1.22 0.01	57.57 1.24 0.01	56.79 1.06 0.01	45.35 1.02 0.01	40.56 2.00 0.00	33.71 1.20 0.00	31.67 1.04 0.00



BARRETT_IC_6 23709	29.10 0.52 0.01	26.90 0.42 0.01	25.79 0.28 0.01	25.45 0.28 0.01	26.67 0.24 0.01	30.65 0.18 0.01	43.47 0.04 0.01	47.35 0.29 0.32	39.21 0.54 0.01	30.43 0.60 0.01	28.69 0.83 0.00	26.87 0.76 0.00	26.50 0.77 0.01	28.03 1.08 0.00	28.65 1.34 0.00	29.92 1.61 0.00	35.64 1.79 0.00	46.25 1.22 0.01	57.57 1.24 0.01	56.79 1.06 0.01	45.35 1.02 0.01	40.56 2.00 0.00	33.71 1.20 0.00	31.67 1.04 0.00
BARRETT_IC_7 23710	29.10 0.51 0.01	26.90 0.42 0.01	25.87 0.36 0.01	25.48 0.30 0.01	26.67 0.24 0.01	30.65 0.18 0.01	43.52 0.09 0.01	47.35 0.28 0.32	39.21 0.54 0.01	30.43 0.60 0.01	28.72 0.86 0.00	26.87 0.76 0.00	26.50 0.77 0.01	28.03 1.08 0.00	28.67 1.37 0.00	29.92 1.61 0.00	35.64 1.79 0.00	46.38 1.35 0.01	57.58 1.24 0.01	56.79 1.06 0.01	45.35 1.02 0.01	40.60 2.04 0.00	33.84 1.33 0.00	31.67 1.04 0.00
BARRETT_IC_8 23711	29.10 0.52 0.01	26.90 0.42 0.01	25.79 0.28 0.01	25.45 0.28 0.01	26.67 0.24 0.01	30.65 0.18 0.01	43.47 0.04 0.01	47.35 0.29 0.32	39.21 0.54 0.01	30.43 0.60 0.01	28.69 0.83 0.00	26.87 0.76 0.00	26.50 0.77 0.01	28.03 1.08 0.00	28.65 1.34 0.00	29.92 1.61 0.00	35.64 1.79 0.00	46.25 1.22 0.01	57.57 1.24 0.01	56.79 1.06 0.01	45.35 1.02 0.01	40.56 2.00 0.00	33.71 1.20 0.00	31.67 1.04 0.00
BARRETT_IC_9 23700	29.10 0.52 0.01	26.90 0.42 0.01	25.79 0.28 0.01	25.45 0.28 0.01	26.67 0.24 0.01	30.65 0.18 0.01	43.47 0.04 0.01	47.35 0.29 0.32	39.21 0.54 0.01	30.43 0.60 0.01	28.69 0.83 0.00	26.87 0.76 0.00	26.50 0.77 0.01	28.03 1.08 0.00	28.65 1.34 0.00	29.92 1.61 0.00	35.64 1.79 0.00	46.25 1.22 0.01	57.57 1.24 0.01	56.79 1.06 0.01	45.35 1.02 0.01	40.56 2.00 0.00	33.71 1.20 0.00	31.67 1.04 0.00
BARRETT___1 23545	29.10 0.52 0.01	26.90 0.42 0.01	25.79 0.28 0.01	25.45 0.28 0.01	26.67 0.24 0.01	30.65 0.18 0.01	43.47 0.04 0.01	47.35 0.29 0.32	39.21 0.54 0.01	30.43 0.60 0.01	28.69 0.83 0.00	26.87 0.76 0.00	26.50 0.77 0.01	28.03 1.08 0.00	28.65 1.34 0.00	29.92 1.61 0.00	35.64 1.79 0.00	46.25 1.22 0.01	57.57 1.24 0.01	56.79 1.06 0.01	45.35 1.02 0.01	40.56 2.00 0.00	33.71 1.20 0.00	31.67 1.04 0.00
BARRETT___2 23546	29.10 0.52 0.01	26.90 0.42 0.01	25.79 0.28 0.01	25.45 0.28 0.01	26.67 0.24 0.01	30.65 0.18 0.01	43.47 0.04 0.01	47.35 0.29 0.32	39.21 0.54 0.01	30.43 0.60 0.01	28.69 0.83 0.00	26.87 0.76 0.00	26.50 0.77 0.01	28.03 1.08 0.00	28.65 1.34 0.00	29.92 1.61 0.00	35.64 1.79 0.00	46.25 1.22 0.01	57.57 1.24 0.01	56.79 1.06 0.01	45.35 1.02 0.01	40.56 2.00 0.00	33.71 1.20 0.00	31.67 1.04 0.00
BATAVIA__115KV_TB1 55881	28.28 -0.49 -0.17	26.24 -0.40 -0.16	25.28 -0.36 -0.12	24.97 -0.30 -0.09	26.18 -0.45 -0.19	30.83 -0.15 -0.51	43.51 -1.30 -1.38	48.22 -0.95 -1.78	39.09 -0.62 -1.03	30.25 -0.03 -0.44	27.94 -0.20 -0.28	26.44 0.18 -0.15	26.09 0.23 -0.12	27.54 0.38 -0.21	27.84 0.27 -0.26	28.22 -0.34 -0.25	33.64 -0.51 -0.30	44.10 -1.62 -0.68	56.79 -1.69 -2.13	56.77 -1.17 -2.19	44.22 -1.60 -1.47	37.82 -1.43 -0.69	32.64 -0.42 -0.56	31.02 0.00 -0.39
BAYONEEC___CTG1 323682	29.60 1.00 0.00	27.38 0.90 0.00	26.26 0.74 0.00	25.91 0.73 0.00	27.13 0.69 0.00	31.17 0.70 0.00	44.30 0.87 0.00	48.29 0.90 0.00	40.06 1.39 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.39 1.28 0.00	27.05 1.31 0.00	28.49 1.54 0.00	28.95 1.64 0.00	30.06 1.76 0.00	35.74 1.89 0.00	47.07 2.03 0.00	58.48 2.14 0.00	57.64 1.90 0.00	46.02 1.68 0.00	40.33 1.77 0.00	33.97 1.46 0.00	31.82 1.19 0.00
BAYONEEC___CTG10 323750	29.60 1.00 0.00	27.38 0.90 0.00	26.26 0.74 0.00	25.91 0.73 0.00	27.13 0.69 0.00	31.17 0.70 0.00	44.30 0.87 0.00	48.29 0.90 0.00	40.06 1.39 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.39 1.28 0.00	27.05 1.31 0.00	28.49 1.54 0.00	28.95 1.64 0.00	30.06 1.76 0.00	35.74 1.89 0.00	47.07 2.03 0.00	58.48 2.14 0.00	57.64 1.90 0.00	46.02 1.68 0.00	40.33 1.77 0.00	33.97 1.46 0.00	31.82 1.19 0.00
BAYONEEC___CTG2 323683	29.60 1.00 0.00	27.38 0.90 0.00	26.26 0.74 0.00	25.91 0.73 0.00	27.13 0.69 0.00	31.17 0.70 0.00	44.30 0.87 0.00	48.29 0.90 0.00	40.06 1.39 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.39 1.28 0.00	27.05 1.31 0.00	28.49 1.54 0.00	28.95 1.64 0.00	30.06 1.76 0.00	35.74 1.89 0.00	47.07 2.03 0.00	58.48 2.14 0.00	57.64 1.90 0.00	46.02 1.68 0.00	40.33 1.77 0.00	33.97 1.46 0.00	31.82 1.19 0.00
BAYONEEC___CTG3 323684	29.60 1.00 0.00	27.38 0.90 0.00	26.26 0.74 0.00	25.91 0.73 0.00	27.13 0.69 0.00	31.17 0.70 0.00	44.30 0.87 0.00	48.29 0.90 0.00	40.06 1.39 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.39 1.28 0.00	27.05 1.31 0.00	28.49 1.54 0.00	28.95 1.64 0.00	30.06 1.76 0.00	35.74 1.89 0.00	47.07 2.03 0.00	58.48 2.14 0.00	57.64 1.90 0.00	46.02 1.68 0.00	40.33 1.77 0.00	33.97 1.46 0.00	31.82 1.19 0.00
BAYONEEC___CTG4 323685	29.60 1.00 0.00	27.38 0.90 0.00	26.26 0.74 0.00	25.91 0.73 0.00	27.13 0.69 0.00	31.17 0.70 0.00	44.30 0.87 0.00	48.29 0.90 0.00	40.06 1.39 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.39 1.28 0.00	27.05 1.31 0.00	28.49 1.54 0.00	28.95 1.64 0.00	30.06 1.76 0.00	35.74 1.89 0.00	47.07 2.03 0.00	58.48 2.14 0.00	57.64 1.90 0.00	46.02 1.68 0.00	40.33 1.77 0.00	33.97 1.46 0.00	31.82 1.19 0.00
BAYONEEC___CTG5 323686	29.60 1.00 0.00	27.38 0.90 0.00	26.26 0.74 0.00	25.91 0.73 0.00	27.13 0.69 0.00	31.17 0.70 0.00	44.30 0.87 0.00	48.29 0.90 0.00	40.06 1.39 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.39 1.28 0.00	27.05 1.31 0.00	28.49 1.54 0.00	28.95 1.64 0.00	30.06 1.76 0.00	35.74 1.89 0.00	47.07 2.03 0.00	58.48 2.14 0.00	57.64 1.90 0.00	46.02 1.68 0.00	40.33 1.77 0.00	33.97 1.46 0.00	31.82 1.19 0.00
BAYONEEC___CTG6 323687	29.60 1.00 0.00	27.38 0.90 0.00	26.26 0.74 0.00	25.91 0.73 0.00	27.13 0.69 0.00	31.17 0.70 0.00	44.30 0.87 0.00	48.29 0.90 0.00	40.06 1.39 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.39 1.28 0.00	27.05 1.31 0.00	28.49 1.54 0.00	28.95 1.64 0.00	30.06 1.76 0.00	35.74 1.89 0.00	47.07 2.03 0.00	58.48 2.14 0.00	57.64 1.90 0.00	46.02 1.68 0.00	40.33 1.77 0.00	33.97 1.46 0.00	31.82 1.19 0.00
BAYONEEC___CTG7 323688	29.60 1.00 0.00	27.38 0.90 0.00	26.26 0.74 0.00	25.91 0.73 0.00	27.13 0.69 0.00	31.17 0.70 0.00	44.30 0.87 0.00	48.29 0.90 0.00	40.06 1.39 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.39 1.28 0.00	27.05 1.31 0.00	28.49 1.54 0.00	28.95 1.64 0.00	30.06 1.76 0.00	35.74 1.89 0.00	47.07 2.03 0.00	58.48 2.14 0.00	57.64 1.90 0.00	46.02 1.68 0.00	40.33 1.77 0.00	33.97 1.46 0.00	31.82 1.19 0.00



BAYONEEC___CTG8 323689	29.60 1.00 0.00	27.38 0.90 0.00	26.26 0.74 0.00	25.91 0.73 0.00	27.13 0.69 0.00	31.17 0.70 0.00	44.30 0.87 0.00	48.29 0.90 0.00	40.06 1.39 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.39 1.28 0.00	27.05 1.31 0.00	28.49 1.54 0.00	28.95 1.64 0.00	30.06 1.76 0.00	35.74 1.89 0.00	47.07 2.03 0.00	58.48 2.14 0.00	57.64 1.90 0.00	46.02 1.68 0.00	40.33 1.77 0.00	33.97 1.46 0.00	31.82 1.19 0.00
BAYONEEC___CTG9 323749	29.60 1.00 0.00	27.38 0.90 0.00	26.26 0.74 0.00	25.91 0.73 0.00	27.13 0.69 0.00	31.17 0.70 0.00	44.30 0.87 0.00	48.29 0.90 0.00	40.06 1.39 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.39 1.28 0.00	27.05 1.31 0.00	28.49 1.54 0.00	28.95 1.64 0.00	30.06 1.76 0.00	35.74 1.89 0.00	47.07 2.03 0.00	58.48 2.14 0.00	57.64 1.90 0.00	46.02 1.68 0.00	40.33 1.77 0.00	33.97 1.46 0.00	31.82 1.19 0.00
BEACON___LESR 323632	29.08 0.49 0.00	26.85 0.37 0.00	25.85 0.33 0.00	25.66 0.48 0.00	27.00 0.56 0.00	30.84 0.37 0.00	43.83 0.39 0.00	47.81 0.43 0.00	38.98 0.31 0.00	29.96 0.12 0.00	28.00 0.14 0.00	26.16 0.05 0.00	25.82 0.08 0.00	27.04 0.08 0.00	27.39 0.08 0.00	28.59 0.28 0.00	34.25 0.41 0.00	45.62 0.58 0.00	57.07 0.73 0.00	56.24 0.50 0.00	44.96 0.62 0.00	39.21 0.65 0.00	33.02 0.52 0.00	31.15 0.52 0.00
BEAVER RIVER___HYD 24048	29.45 0.69 -0.17	27.35 0.72 -0.16	26.29 0.66 -0.11	25.92 0.65 -0.09	27.29 0.66 -0.19	31.97 1.00 -0.49	46.56 1.78 -1.35	51.16 2.04 -1.73	40.72 1.04 -1.01	30.77 0.51 -0.43	28.43 0.31 -0.27	26.49 0.23 -0.14	26.06 0.20 -0.12	27.30 0.14 -0.21	27.58 0.03 -0.25	28.67 0.11 -0.25	34.41 0.27 -0.29	46.38 0.68 -0.66	60.00 1.58 -2.08	59.44 1.56 -2.14	46.66 0.89 -1.44	39.96 0.73 -0.67	33.50 0.45 -0.54	31.22 0.22 -0.38
BEEBEE_GT_13 23619	28.33 -0.43 -0.17	26.24 -0.40 -0.16	25.27 -0.36 -0.12	24.94 -0.33 -0.09	26.21 -0.42 -0.19	30.76 -0.21 -0.50	43.84 -0.96 -1.35	48.52 -0.62 -1.75	39.30 -0.39 -1.01	30.24 -0.03 -0.43	27.99 -0.14 -0.27	26.38 0.13 -0.14	26.04 0.18 -0.12	27.43 0.27 -0.21	27.72 0.16 -0.25	28.33 -0.23 -0.25	33.84 -0.30 -0.30	44.58 -1.13 -0.67	57.31 -1.13 -2.09	57.17 -0.72 -2.15	44.68 -1.11 -1.45	38.24 -1.00 -0.68	32.73 -0.33 -0.55	30.89 -0.12 -0.38
BENSHRST_27_KV_BENSHRST_1 355998	29.94 1.34 0.00	27.65 1.17 0.00	26.54 1.02 0.00	26.14 0.96 0.00	27.37 0.93 0.00	31.23 0.76 0.00	44.21 0.78 0.01	48.09 0.71 0.01	39.79 1.12 0.00	30.97 1.13 0.00	29.08 1.23 0.00	27.31 1.20 0.00	26.97 1.24 0.00	28.41 1.46 0.00	28.89 1.58 0.00	30.01 1.70 0.00	35.61 1.76 0.00	47.01 1.98 0.01	58.36 2.03 0.01	57.52 1.78 0.01	45.93 1.60 0.01	40.26 1.70 0.00	34.10 1.59 0.00	32.04 1.41 0.00
BETHLEHEM___GRP 23843	28.74 0.14 0.00	26.53 0.05 0.00	25.59 0.08 0.00	25.41 0.23 0.00	26.71 0.26 0.00	30.44 -0.03 0.00	43.13 -0.30 0.00	47.10 -0.28 0.00	38.48 -0.19 0.00	29.66 -0.18 0.00	27.75 -0.11 0.00	25.93 -0.18 0.00	25.61 -0.13 0.00	26.82 -0.13 0.00	27.20 -0.11 0.00	28.34 0.03 0.00	33.88 0.03 0.00	45.09 0.05 0.00	56.18 -0.17 0.00	55.41 -0.33 0.00	44.29 -0.04 0.00	38.75 0.19 0.00	32.64 0.13 0.00	30.75 0.12 0.00
BETHLEHEM___GS1 323560	28.74 0.14 0.00	26.51 0.03 0.00	25.54 0.03 0.00	25.38 0.20 0.00	26.71 0.26 0.00	30.44 -0.03 0.00	43.13 -0.30 0.00	47.06 -0.33 0.00	38.48 -0.19 0.00	29.66 -0.18 0.00	27.75 -0.11 0.00	25.93 -0.18 0.00	25.61 -0.13 0.00	26.82 -0.13 0.00	27.20 -0.11 0.00	28.34 0.03 0.00	33.88 0.03 0.00	45.00 -0.04 0.00	56.18 -0.17 0.00	55.41 -0.33 0.00	44.29 -0.04 0.00	38.67 0.12 0.00	32.60 0.10 0.00	30.75 0.12 0.00
BETHLEHEM___GS2 323561	28.74 0.14 0.00	26.51 0.03 0.00	25.54 0.03 0.00	25.38 0.20 0.00	26.71 0.26 0.00	30.44 -0.03 0.00	43.13 -0.30 0.00	47.06 -0.33 0.00	38.48 -0.19 0.00	29.66 -0.18 0.00	27.75 -0.11 0.00	25.93 -0.18 0.00	25.61 -0.13 0.00	26.82 -0.13 0.00	27.20 -0.11 0.00	28.34 0.03 0.00	33.88 0.03 0.00	45.00 -0.04 0.00	56.18 -0.17 0.00	55.41 -0.33 0.00	44.29 -0.04 0.00	38.67 0.12 0.00	32.60 0.10 0.00	30.75 0.12 0.00
BETHLEHEM___GS3 323562	28.74 0.14 0.00	26.51 0.03 0.00	25.54 0.03 0.00	25.38 0.20 0.00	26.71 0.26 0.00	30.44 -0.03 0.00	43.13 -0.30 0.00	47.06 -0.33 0.00	38.48 -0.19 0.00	29.66 -0.18 0.00	27.75 -0.11 0.00	25.93 -0.18 0.00	25.61 -0.13 0.00	26.82 -0.13 0.00	27.20 -0.11 0.00	28.34 0.03 0.00	33.88 0.03 0.00	45.00 -0.04 0.00	56.18 -0.17 0.00	55.41 -0.33 0.00	44.29 -0.04 0.00	38.67 0.12 0.00	32.60 0.10 0.00	30.75 0.12 0.00
BETHLEHEM___STEEL 23779	27.88 -0.89 -0.17	25.98 -0.66 -0.16	25.00 -0.64 -0.12	24.72 -0.55 -0.09	25.90 -0.74 -0.19	30.47 -0.52 -0.51	42.75 -2.08 -1.40	47.15 -2.04 -1.80	38.33 -1.39 -1.05	29.95 -0.33 -0.44	27.69 -0.45 -0.28	26.20 -0.05 -0.15	25.91 0.05 -0.12	27.36 0.19 -0.21	27.70 0.14 -0.26	28.00 -0.57 -0.26	33.20 -0.95 -0.31	43.57 -2.16 -0.69	55.86 -2.65 -2.16	55.63 -2.34 -2.22	43.48 -2.35 -1.50	37.14 -2.12 -0.70	32.16 -0.91 -0.56	30.59 -0.43 -0.39
BETHLHEM_115KV_TB1 79974	28.79 0.20 0.00	26.59 0.11 0.00	25.64 0.13 0.00	25.43 0.25 0.00	26.73 0.29 0.00	30.50 0.03 0.00	43.26 -0.17 0.00	47.20 -0.19 0.00	38.60 -0.08 0.00	29.75 -0.09 0.00	27.83 -0.03 0.00	26.00 -0.10 0.00	25.66 -0.08 0.00	26.90 -0.05 0.00	27.28 -0.03 0.00	28.42 0.11 0.00	33.98 0.14 0.00	45.22 0.18 0.00	56.34 0.00 0.00	55.58 -0.17 0.00	44.43 0.09 0.00	38.83 0.27 0.00	32.70 0.20 0.00	30.81 0.18 0.00
BETHPAGE_CC_5 323564	29.16 0.57 0.01	26.90 0.42 0.01	25.79 0.28 0.01	25.43 0.25 0.01	26.62 0.19 0.01	30.50 0.03 0.01	43.30 -0.13 0.01	46.54 0.19 1.03	39.05 0.39 0.01	30.28 0.45 0.01	28.64 0.78 0.00	26.84 0.73 0.00	26.48 0.75 0.01	28.01 1.05 0.00	28.62 1.31 0.00	29.89 1.58 0.00	35.57 1.73 0.00	46.16 1.13 0.01	57.46 1.13 0.01	56.68 0.95 0.01	45.26 0.93 0.01	40.64 2.08 0.00	33.74 1.23 0.00	31.73 1.10 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	27.85 -0.92 -0.17	25.98 -0.66 -0.16	24.97 -0.66 -0.12	24.72 -0.55 -0.09	25.90 -0.74 -0.19	30.47 -0.52 -0.51	42.84 -2.00 -1.40	47.25 -1.94 -1.81	38.37 -1.35 -1.05	29.98 -0.30 -0.44	27.75 -0.39 -0.28	26.23 -0.03 -0.15	25.94 0.08 -0.12	27.41 0.24 -0.21	27.73 0.16 -0.26	28.06 -0.51 -0.26	33.27 -0.88 -0.31	43.66 -2.07 -0.69	55.97 -2.54 -2.17	55.74 -2.23 -2.23	43.57 -2.26 -1.50	37.18 -2.08 -0.70	32.16 -0.91 -0.56	30.56 -0.46 -0.39
BINGHAMTON___COGEN 23790	28.76 -0.03 -0.19	26.72 0.05 -0.18	25.65 0.00 -0.13	25.28 0.00 -0.10	26.63 -0.03 -0.22	31.14 0.09 -0.58	44.92 -0.09 -1.57	49.36 -0.05 -2.02	39.85 0.00 -1.17	30.48 0.15 -0.50	28.23 0.06 -0.31	26.40 0.13 -0.17	26.03 0.15 -0.13	27.47 0.27 -0.24	27.82 0.22 -0.29	28.71 0.11 -0.29	34.22 0.03 -0.34	45.68 -0.14 -0.77	58.77 0.00 -2.43	58.35 0.11 -2.50	45.97 -0.04 -1.68	39.23 -0.12 -0.79	33.20 0.07 -0.63	31.19 0.12 -0.44



BIXINCNT_115KV_LOAD 355685	27.57 -1.20 -0.17	25.77 -0.87 -0.16	24.85 -0.79 -0.12	24.62 -0.65 -0.09	25.84 -0.79 -0.19	30.50 -0.49 -0.52	43.07 -1.78 -1.41	47.50 -1.71 -1.82	38.45 -1.28 -1.05	30.11 -0.18 -0.45	27.86 -0.28 -0.28	26.34 0.08 -0.15	26.04 0.18 -0.12	27.55 0.38 -0.22	27.90 0.33 -0.26	28.20 -0.37 -0.26	33.44 -0.71 -0.31	43.98 -1.76 -0.69	56.44 -2.08 -2.18	56.09 -1.90 -2.24	43.72 -2.13 -1.51	37.07 -2.20 -0.71	31.84 -1.24 -0.57	30.17 -0.86 -0.39
BLACK RIVER___HYD 24047	29.78 0.91 -0.27	27.66 0.93 -0.25	26.54 0.84 -0.19	26.15 0.83 -0.14	27.56 0.82 -0.30	32.52 1.25 -0.80	47.82 2.21 -2.17	52.79 2.60 -2.80	41.69 1.39 -1.62	31.21 0.69 -0.69	28.71 0.42 -0.43	26.63 0.29 -0.23	26.18 0.26 -0.19	27.50 0.21 -0.33	27.77 0.05 -0.40	28.93 0.23 -0.40	34.73 0.41 -0.47	47.10 0.99 -1.07	61.96 2.26 -3.36	61.76 2.57 -3.45	48.30 1.64 -2.32	41.00 1.35 -1.09	34.32 0.94 -0.88	31.85 0.61 -0.61
BLACKRVR_115KV_TB2 79977	29.78 0.92 -0.27	27.66 0.93 -0.25	26.52 0.82 -0.19	26.13 0.81 -0.14	27.56 0.82 -0.30	32.52 1.25 -0.80	47.82 2.22 -2.17	52.79 2.61 -2.80	41.69 1.39 -1.62	31.21 0.69 -0.69	28.71 0.42 -0.43	26.63 0.29 -0.23	26.18 0.26 -0.19	27.50 0.22 -0.33	27.77 0.05 -0.40	28.93 0.23 -0.40	34.73 0.41 -0.47	47.06 0.95 -1.07	61.96 2.25 -3.36	61.76 2.56 -3.45	48.30 1.64 -2.32	41.00 1.35 -1.09	34.32 0.94 -0.88	31.85 0.61 -0.61
BLDWN_LI_69_KV_BK4 356085	29.22 0.63 0.01	26.98 0.50 0.01	25.94 0.43 0.01	25.55 0.38 0.01	26.73 0.29 0.01	30.71 0.24 0.01	43.73 0.30 0.01	47.29 0.62 0.71	39.36 0.70 0.01	30.52 0.69 0.01	28.83 0.98 0.00	26.97 0.86 0.00	26.61 0.88 0.01	28.14 1.19 0.00	28.81 1.50 0.00	30.04 1.73 0.00	35.81 1.96 0.00	46.70 1.67 0.01	58.03 1.69 0.01	57.24 1.51 0.01	45.70 1.37 0.01	40.91 2.35 0.00	33.97 1.46 0.00	31.79 1.16 0.00
BLISS_WT_PWR 323608	27.48 -1.29 -0.17	25.74 -0.90 -0.16	25.10 -0.54 -0.12	24.69 -0.58 -0.09	25.84 -0.79 -0.19	30.47 -0.52 -0.52	43.20 -1.65 -1.41	47.55 -1.66 -1.82	38.45 -1.28 -1.05	30.11 -0.18 -0.45	27.86 -0.28 -0.28	26.34 0.08 -0.15	26.04 0.18 -0.12	27.55 0.38 -0.22	27.92 0.35 -0.26	28.23 -0.34 -0.26	33.48 -0.68 -0.31	44.47 -1.26 -0.69	56.44 -2.08 -2.18	56.15 -1.84 -2.24	43.72 -2.13 -1.51	37.30 -1.97 -0.71	31.84 -1.24 -0.57	30.04 -0.98 -0.39
BLUESTONE___WT_PWR 323821	29.85 1.09 -0.17	27.75 1.11 -0.16	26.68 1.05 -0.12	26.25 0.98 -0.09	27.61 0.98 -0.19	32.37 1.40 -0.50	46.96 2.17 -1.36	51.55 2.42 -1.75	41.24 1.55 -1.01	31.28 1.02 -0.43	28.88 0.75 -0.27	26.93 0.68 -0.14	26.55 0.70 -0.12	27.95 0.78 -0.21	28.21 0.65 -0.25	29.38 0.82 -0.25	35.19 1.05 -0.30	47.33 1.62 -0.67	61.15 2.70 -2.10	61.02 3.12 -2.16	48.00 2.22 -1.45	41.05 1.81 -0.68	34.55 1.50 -0.55	32.20 1.19 -0.38
BLUE_CIRC_CHEM_DRP 24182	29.20 0.60 0.00	26.99 0.50 0.00	26.03 0.51 0.00	25.74 0.55 0.00	27.02 0.58 0.00	30.99 0.52 0.00	44.13 0.69 0.00	48.00 0.62 0.00	38.98 0.31 0.00	29.90 0.06 0.00	27.89 0.03 0.00	26.06 -0.05 0.00	25.71 -0.03 0.00	26.96 0.00 0.00	27.34 0.03 0.00	28.51 0.20 0.00	34.18 0.34 0.00	45.76 0.72 0.00	57.25 0.90 0.00	56.52 0.78 0.00	45.14 0.80 0.00	39.37 0.81 0.00	33.16 0.65 0.00	31.24 0.61 0.00
BOC_GAS_DRP 24189	28.94 0.34 0.00	26.72 0.24 0.00	25.77 0.26 0.00	25.46 0.28 0.00	26.73 0.29 0.00	30.66 0.18 0.00	43.61 0.17 0.00	47.53 0.14 0.00	38.87 0.19 0.00	29.99 0.15 0.00	28.05 0.20 0.00	26.24 0.13 0.00	25.89 0.15 0.00	27.17 0.22 0.00	27.55 0.25 0.00	28.65 0.34 0.00	34.22 0.37 0.00	45.54 0.50 0.00	56.74 0.39 0.00	56.02 0.28 0.00	44.74 0.40 0.00	39.02 0.46 0.00	32.90 0.39 0.00	30.97 0.34 0.00
BOONVILLE_115KV_TB1 79983	29.35 0.66 -0.09	27.23 0.66 -0.09	26.17 0.59 -0.07	25.81 0.58 -0.05	27.16 0.61 -0.11	31.61 0.85 -0.28	45.64 1.43 -0.77	49.99 1.61 -0.99	40.21 0.97 -0.57	30.62 0.54 -0.24	28.40 0.39 -0.15	26.50 0.31 -0.08	26.09 0.28 -0.07	27.37 0.30 -0.12	27.67 0.22 -0.14	28.79 0.34 -0.14	34.52 0.51 -0.17	46.28 0.86 -0.38	59.11 1.58 -1.19	58.58 1.62 -1.22	46.18 1.02 -0.82	39.75 0.81 -0.39	33.40 0.59 -0.31	31.24 0.40 -0.22
BORALEX_4TH_BRANCH 23824	29.80 1.20 0.00	27.41 0.93 0.00	26.43 0.92 0.00	26.01 0.83 0.00	27.40 0.95 0.00	31.48 1.01 0.00	44.96 1.52 0.00	48.95 1.56 0.00	39.91 1.24 0.00	30.70 0.87 0.00	28.81 0.95 0.00	26.87 0.76 0.00	26.43 0.69 0.00	27.74 0.78 0.00	28.15 0.85 0.00	29.36 1.05 0.00	35.20 1.35 0.00	47.16 2.12 0.00	58.54 2.20 0.00	57.64 1.90 0.00	46.20 1.86 0.00	40.26 1.70 0.00	33.81 1.30 0.00	31.95 1.32 0.00
BOWLINE___1 23526	29.45 0.86 0.00	27.25 0.77 0.00	26.13 0.61 0.00	25.78 0.60 0.00	27.02 0.58 0.00	31.08 0.61 0.00	44.22 0.78 0.00	48.10 0.71 0.00	39.68 1.00 0.00	30.76 0.93 0.00	28.86 1.00 0.00	27.07 0.97 0.00	26.72 0.98 0.00	28.11 1.16 0.00	28.56 1.26 0.00	29.70 1.39 0.00	35.33 1.49 0.00	46.71 1.67 0.00	58.15 1.80 0.00	57.30 1.56 0.00	45.80 1.46 0.00	40.02 1.46 0.00	33.71 1.20 0.00	31.64 1.01 0.00
BOWLINE___2 23595	29.45 0.86 0.00	27.22 0.74 0.00	26.13 0.61 0.00	25.76 0.58 0.00	27.02 0.58 0.00	31.08 0.61 0.00	44.22 0.78 0.00	48.10 0.71 0.00	39.68 1.00 0.00	30.76 0.93 0.00	28.86 1.00 0.00	27.07 0.97 0.00	26.72 0.98 0.00	28.11 1.16 0.00	28.56 1.26 0.00	29.70 1.39 0.00	35.30 1.45 0.00	46.71 1.67 0.00	58.15 1.80 0.00	57.30 1.56 0.00	45.80 1.46 0.00	40.02 1.46 0.00	33.71 1.20 0.00	31.64 1.01 0.00
BRADY___115KV_TB2 356060	29.17 0.57 0.00	27.09 0.61 0.00	26.10 0.59 0.00	25.79 0.60 0.00	27.08 0.63 0.00	31.33 0.85 0.00	44.96 1.52 0.00	49.05 1.66 0.00	39.56 0.89 0.00	30.40 0.57 0.00	28.36 0.50 0.00	26.60 0.50 0.00	26.15 0.41 0.00	27.20 0.24 0.00	27.58 0.27 0.00	28.45 0.14 0.00	34.15 0.30 0.00	45.67 0.63 0.00	57.47 1.13 0.00	56.97 1.23 0.00	45.22 0.89 0.00	39.29 0.73 0.00	33.06 0.55 0.00	31.15 0.52 0.00
BRANSCOMB___SOLAR 323811	29.82 1.23 0.00	27.51 1.03 0.00	26.51 0.99 0.00	26.16 0.98 0.00	27.53 1.08 0.00	31.66 1.19 0.00	45.30 1.87 0.00	49.23 1.85 0.00	39.91 1.24 0.00	30.43 0.60 0.00	28.33 0.47 0.00	26.42 0.31 0.00	26.05 0.31 0.00	27.33 0.38 0.00	27.66 0.35 0.00	28.93 0.62 0.00	34.76 0.91 0.00	46.66 1.62 0.00	58.66 2.31 0.00	57.98 2.23 0.00	46.29 1.95 0.00	40.22 1.66 0.00	33.84 1.33 0.00	31.92 1.29 0.00
BRDGHMPT_69_KV_BK1 55812	28.59 0.00 0.01	26.39 -0.08 0.01	25.36 -0.15 0.01	24.97 -0.20 0.01	26.14 -0.29 0.01	27.63 -0.37 2.48	34.75 -0.65 8.04	45.58 -0.57 1.24	31.53 -0.12 7.03	29.80 -0.03 0.01	28.19 0.33 0.00	26.25 0.26 0.12	25.92 0.31 0.13	27.71 0.75 0.00	28.56 1.26 0.00	29.98 1.67 0.00	35.98 2.13 0.00	47.06 2.03 0.01	58.31 1.97 0.01	57.63 1.90 0.01	46.01 1.68 0.01	41.53 2.97 0.00	34.16 1.66 0.00	31.98 1.35 0.00



BRENTWOD_69_KV_W. BRTWOOD 56703	29.36 0.77 0.01	27.08 0.61 0.01	26.02 0.51 0.01	25.63 0.45 0.01	26.83 0.40 0.01	30.77 0.55 0.25	43.79 0.56 0.21	46.51 0.33 1.21	39.41 0.93 0.19	30.67 0.84 0.01	28.97 1.11 0.00	27.11 1.02 0.01	26.72 1.00 0.02	28.28 1.32 0.00	29.00 1.69 0.00	30.26 1.95 0.00	36.22 2.37 0.00	47.06 2.03 0.01	58.36 2.03 0.01	57.58 1.84 0.01	45.97 1.64 0.01	41.49 2.93 0.00	34.26 1.76 0.00	32.07 1.44 0.00
BRISTLHL_115KV_TB1 79998	28.50 -0.31 -0.22	26.43 -0.26 -0.21	25.42 -0.26 -0.15	25.02 -0.28 -0.12	26.43 -0.26 -0.25	30.89 -0.24 -0.66	44.90 -0.35 -1.81	49.39 -0.33 -2.33	39.75 -0.27 -1.35	30.23 -0.18 -0.57	27.97 -0.25 -0.36	26.06 -0.23 -0.19	25.69 -0.21 -0.16	27.04 -0.19 -0.28	27.43 -0.22 -0.34	28.41 -0.23 -0.33	33.94 -0.30 -0.39	45.48 -0.45 -0.89	58.75 -0.39 -2.80	58.40 -0.22 -2.88	46.01 -0.27 -1.93	39.12 -0.35 -0.91	33.01 -0.23 -0.73	30.89 -0.25 -0.51
BROOKHAVEN___DRP 24191	28.67 0.09 0.01	26.50 0.03 0.01	25.46 -0.05 0.01	25.07 -0.10 0.01	26.25 -0.19 0.01	27.71 -0.27 2.48	35.04 -0.35 8.05	45.86 -0.28 1.24	31.75 0.12 7.04	29.98 0.15 0.01	28.30 0.45 0.00	26.32 0.34 0.12	25.97 0.36 0.13	27.68 0.73 0.00	28.43 1.12 0.00	29.72 1.42 0.00	35.57 1.73 0.00	46.34 1.31 0.01	57.35 1.01 0.01	56.63 0.89 0.01	45.26 0.93 0.01	40.87 2.31 0.00	33.68 1.17 0.00	31.46 0.83 0.00
BROOKLYN_NAVY_YARD 23515	29.60 1.00 0.00	27.35 0.87 0.00	26.26 0.74 0.00	25.89 0.70 0.00	27.13 0.69 0.00	31.17 0.70 0.00	44.35 0.91 0.00	48.29 0.90 0.00	40.10 1.43 0.00	31.12 1.28 0.00	29.17 1.31 0.00	27.36 1.25 0.00	27.03 1.29 0.00	28.46 1.51 0.00	28.92 1.61 0.00	30.06 1.76 0.00	35.74 1.89 0.00	47.02 1.98 0.00	58.48 2.14 0.00	57.64 1.90 0.00	46.02 1.68 0.00	40.30 1.74 0.00	34.00 1.50 0.00	31.82 1.19 0.00
BROOKLYN___ARMY_DRP 323595	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
BROOME_2_LFGE 323671	28.76 -0.03 -0.19	26.72 0.05 -0.18	25.73 0.08 -0.13	25.31 0.03 -0.10	26.63 -0.03 -0.22	31.14 0.09 -0.58	44.96 -0.04 -1.57	49.36 -0.05 -2.02	39.85 0.00 -1.17	30.49 0.15 -0.50	28.23 0.06 -0.31	26.41 0.13 -0.17	26.03 0.16 -0.13	27.47 0.27 -0.24	27.82 0.22 -0.29	28.71 0.11 -0.29	34.22 0.03 -0.34	45.77 -0.04 -0.77	58.77 0.00 -2.43	58.35 0.11 -2.50	45.97 -0.04 -1.68	39.31 -0.04 -0.79	33.24 0.10 -0.63	31.19 0.12 -0.44
BROOME___LFGE 323600	28.76 -0.03 -0.19	26.72 0.05 -0.18	25.73 0.08 -0.13	25.31 0.03 -0.10	26.63 -0.03 -0.22	31.14 0.09 -0.58	44.96 -0.04 -1.57	49.36 -0.05 -2.02	39.85 0.00 -1.17	30.49 0.15 -0.50	28.23 0.06 -0.31	26.41 0.13 -0.17	26.03 0.16 -0.13	27.47 0.27 -0.24	27.82 0.22 -0.29	28.71 0.11 -0.29	34.22 0.03 -0.34	45.77 -0.04 -0.77	58.77 0.00 -2.43	58.35 0.11 -2.50	45.97 -0.04 -1.68	39.31 -0.04 -0.79	33.24 0.10 -0.63	31.19 0.12 -0.44
BROWNFLS_115KV_TB 3_5 80003	29.31 0.60 -0.11	27.22 0.64 -0.11	26.18 0.59 -0.08	25.85 0.60 -0.06	27.18 0.61 -0.13	31.70 0.88 -0.34	45.98 1.61 -0.93	50.39 1.80 -1.20	40.34 0.97 -0.70	30.67 0.54 -0.30	28.44 0.39 -0.19	26.57 0.37 -0.10	26.10 0.28 -0.08	27.26 0.16 -0.14	27.59 0.11 -0.17	28.51 0.03 -0.17	34.22 0.17 -0.20	45.90 0.41 -0.46	58.86 1.07 -1.44	58.29 1.06 -1.48	45.95 0.62 -1.00	39.64 0.62 -0.47	33.34 0.46 -0.38	31.20 0.31 -0.26
BROWNSV1_27_KV_LOAD 356125	29.80 1.20 0.00	27.57 1.09 0.00	26.51 1.00 0.00	26.11 0.93 0.00	27.32 0.87 0.00	31.39 0.91 0.00	44.70 1.26 0.00	48.67 1.28 0.00	40.34 1.66 0.00	31.33 1.49 0.00	29.39 1.53 0.00	27.60 1.49 0.00	27.26 1.52 0.00	28.68 1.73 0.00	29.16 1.86 0.00	30.29 1.98 0.00	36.01 2.17 0.00	47.56 2.52 0.00	59.05 2.70 0.00	58.20 2.45 0.00	46.47 2.13 0.00	40.64 2.08 0.00	34.23 1.72 0.00	32.07 1.44 0.00
BURROWS___LYONSDAL 23803	29.39 0.69 -0.11	27.25 0.66 -0.10	26.20 0.61 -0.08	25.84 0.60 -0.06	27.17 0.61 -0.12	31.68 0.88 -0.32	45.84 1.52 -0.88	50.23 1.71 -1.14	40.30 0.97 -0.66	30.65 0.54 -0.28	28.40 0.36 -0.18	26.49 0.29 -0.09	26.10 0.28 -0.08	27.33 0.24 -0.14	27.64 0.16 -0.16	28.75 0.28 -0.16	34.48 0.44 -0.19	46.29 0.81 -0.43	59.29 1.58 -1.36	58.71 1.56 -1.40	46.21 0.93 -0.94	39.73 0.73 -0.44	33.35 0.49 -0.36	31.18 0.31 -0.25
CAITHNESS_CC_1 323624	28.70 0.11 0.01	26.53 0.05 0.01	25.41 -0.10 0.01	25.05 -0.13 0.01	26.28 -0.16 0.01	27.74 -0.24 2.49	34.95 -0.43 8.06	45.86 -0.28 1.24	31.79 0.16 7.04	30.01 0.18 0.01	28.33 0.47 0.00	26.38 0.39 0.12	26.02 0.41 0.13	27.71 0.75 0.00	28.43 1.12 0.00	29.75 1.44 0.00	35.57 1.73 0.00	46.11 1.08 0.01	57.29 0.96 0.01	56.57 0.84 0.01	45.26 0.93 0.01	40.83 2.27 0.00	33.61 1.11 0.00	31.46 0.83 0.00
CALPINE BETH_PAGE_GT4 24209	29.13 0.54 0.01	26.87 0.40 0.01	25.82 0.31 0.01	25.43 0.25 0.01	26.54 0.11 0.01	30.44 -0.03 0.01	43.34 -0.09 0.01	46.59 0.14 0.94	39.01 0.35 0.01	30.25 0.42 0.01	28.67 0.81 0.00	26.81 0.70 0.00	26.45 0.72 0.01	28.01 1.05 0.00	28.65 1.34 0.00	29.87 1.56 0.00	35.50 1.66 0.00	46.29 1.26 0.01	57.41 1.07 0.01	56.63 0.89 0.01	45.26 0.93 0.01	40.56 2.01 0.00	33.81 1.30 0.00	31.67 1.04 0.00
CALPINE_BETH_PAGE_GT_4 323586	29.13 0.54 0.01	26.85 0.37 0.01	25.74 0.23 0.01	25.40 0.23 0.01	26.54 0.11 0.01	30.44 -0.03 0.01	43.26 -0.17 0.01	46.59 0.14 0.94	39.01 0.35 0.01	30.25 0.42 0.01	28.64 0.78 0.00	26.81 0.71 0.00	26.45 0.72 0.01	28.01 1.05 0.00	28.62 1.31 0.00	29.86 1.56 0.00	35.50 1.66 0.00	46.11 1.08 0.01	57.41 1.07 0.01	56.63 0.89 0.01	45.22 0.89 0.01	40.56 2.00 0.00	33.74 1.23 0.00	31.67 1.04 0.00
CALPINE_BP_GT1 23823	29.13 0.54 0.01	26.85 0.37 0.01	25.74 0.23 0.01	25.40 0.23 0.01	26.54 0.11 0.01	30.44 -0.03 0.01	43.26 -0.17 0.01	46.59 0.14 0.94	39.01 0.35 0.01	30.25 0.42 0.01	28.64 0.78 0.00	26.81 0.71 0.00	26.45 0.72 0.01	28.01 1.05 0.00	28.62 1.31 0.00	29.86 1.56 0.00	35.50 1.66 0.00	46.11 1.08 0.01	57.41 1.07 0.01	56.63 0.89 0.01	45.22 0.89 0.01	40.56 2.00 0.00	33.74 1.23 0.00	31.67 1.04 0.00
CALSPAN___DRP 24200	27.88 -0.89 -0.17	25.98 -0.66 -0.16	25.00 -0.64 -0.12	24.72 -0.55 -0.09	25.90 -0.74 -0.19	30.47 -0.52 -0.51	42.75 -2.08 -1.40	47.15 -2.04 -1.80	38.33 -1.39 -1.05	29.95 -0.33 -0.44	27.69 -0.45 -0.28	26.20 -0.05 -0.15	25.91 0.05 -0.12	27.36 0.19 -0.21	27.70 0.14 -0.26	28.00 -0.57 -0.26	33.20 -0.95 -0.31	43.57 -2.16 -0.69	55.86 -2.65 -2.16	55.63 -2.34 -2.22	43.48 -2.35 -1.50	37.14 -2.12 -0.70	32.16 -0.91 -0.56	30.59 -0.43 -0.39



CALVERTON___SOLAR 323806	28.64 0.06 0.01	26.47 0.00 0.01	25.36 -0.15 0.01	25.02 -0.15 0.01	26.22 -0.21 0.01	27.68 -0.30 2.48	35.15 -0.52 7.76	45.82 -0.33 1.24	31.97 0.08 6.78	29.95 0.12 0.01	28.25 0.39 0.00	26.30 0.31 0.12	25.94 0.33 0.13	27.66 0.70 0.00	28.40 1.09 0.00	29.72 1.41 0.00	35.57 1.73 0.00	46.20 1.17 0.01	57.46 1.13 0.01	56.74 1.00 0.01	45.35 1.02 0.01	40.91 2.35 0.00	33.64 1.14 0.00	31.52 0.89 0.00
CANDIGU_WT_PWR 323617	28.13 -0.66 -0.19	26.21 -0.45 -0.18	25.39 -0.26 -0.13	24.93 -0.35 -0.10	26.15 -0.50 -0.21	30.73 -0.30 -0.57	43.85 -1.13 -1.54	48.20 -1.18 -1.99	38.82 -1.01 -1.15	29.91 -0.42 -0.49	27.64 -0.53 -0.31	25.96 -0.31 -0.16	25.64 -0.23 -0.13	27.08 -0.11 -0.24	27.43 -0.16 -0.29	28.05 -0.54 -0.28	33.41 -0.78 -0.34	44.63 -1.17 -0.76	57.27 -1.47 -2.39	56.92 -1.28 -2.46	44.57 -1.42 -1.65	38.10 -1.24 -0.77	32.41 -0.72 -0.62	30.51 -0.55 -0.43
CARR STREET_E_SYR 24060	28.57 -0.29 -0.26	26.48 -0.24 -0.24	25.52 -0.18 -0.18	25.09 -0.23 -0.13	26.49 -0.24 -0.29	30.97 -0.27 -0.77	45.01 -0.52 -2.09	49.57 -0.52 -2.70	39.93 -0.31 -1.56	30.35 -0.15 -0.66	28.08 -0.19 -0.42	26.15 -0.18 -0.22	25.77 -0.15 -0.18	27.17 -0.11 -0.32	27.53 -0.16 -0.39	28.52 -0.17 -0.38	34.00 -0.31 -0.46	45.49 -0.59 -1.03	58.96 -0.62 -3.24	58.63 -0.45 -3.33	46.09 -0.49 -2.24	39.15 -0.46 -1.05	33.09 -0.26 -0.84	31.03 -0.18 -0.59
CARTHAGE___PAPER 23857	29.62 0.80 -0.23	27.52 0.82 -0.21	26.41 0.74 -0.16	26.03 0.73 -0.12	27.44 0.74 -0.26	32.28 1.13 -0.68	47.33 2.04 -1.85	52.14 2.37 -2.39	41.26 1.20 -1.38	31.02 0.60 -0.59	28.59 0.36 -0.37	26.57 0.26 -0.20	26.13 0.23 -0.16	27.40 0.16 -0.28	27.71 0.05 -0.34	28.82 0.17 -0.34	34.59 0.34 -0.40	46.81 0.85 -0.91	61.12 1.92 -2.86	60.75 2.06 -2.95	47.60 1.29 -1.98	40.53 1.04 -0.93	33.94 0.68 -0.75	31.55 0.40 -0.52
CASSADAGA_WT_PWR 323784	27.77 -1.00 -0.17	25.96 -0.69 -0.16	25.30 -0.33 -0.12	24.89 -0.38 -0.09	26.08 -0.56 -0.19	30.78 -0.21 -0.52	43.89 -0.96 -1.41	48.30 -0.90 -1.81	38.99 -0.74 -1.05	30.67 0.39 -0.45	28.39 0.25 -0.28	26.88 0.63 -0.15	26.63 0.77 -0.12	28.17 1.00 -0.22	28.52 0.96 -0.26	28.79 0.23 -0.26	34.15 0.00 -0.31	45.28 -0.45 -0.69	57.44 -1.07 -2.17	57.08 -0.89 -2.24	44.29 -1.55 -1.50	37.84 -1.43 -0.70	32.33 -0.75 -0.57	30.38 -0.64 -0.39
CE_DUNWOOD___DRP 24194	29.54 0.94 0.00	27.33 0.85 0.00	26.28 0.77 0.00	25.89 0.71 0.00	27.10 0.66 0.00	31.17 0.70 0.00	44.39 0.96 0.00	48.29 0.90 0.00	39.87 1.20 0.00	30.91 1.07 0.00	29.03 1.17 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.73 1.42 0.00	29.84 1.53 0.00	35.50 1.66 0.00	47.02 1.98 0.00	58.37 2.03 0.00	57.53 1.78 0.00	45.98 1.64 0.00	40.22 1.66 0.00	33.87 1.37 0.00	31.76 1.13 0.00
CE_MILLWOOD___DRP 24193	29.51 0.92 0.00	27.30 0.82 0.00	26.26 0.74 0.00	25.86 0.68 0.00	27.08 0.63 0.00	31.14 0.67 0.00	44.35 0.91 0.00	48.24 0.85 0.00	39.83 1.16 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.15 1.04 0.00	26.79 1.06 0.00	28.20 1.24 0.00	28.65 1.34 0.00	29.78 1.47 0.00	35.44 1.59 0.00	46.93 1.89 0.00	58.32 1.97 0.00	57.47 1.73 0.00	45.93 1.60 0.00	40.18 1.62 0.00	33.81 1.30 0.00	31.70 1.07 0.00
CE_NYC2_DRP 24202	29.71 1.12 0.00	27.46 0.98 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.21 0.77 0.00	31.11 0.64 0.00	44.17 0.74 0.01	48.09 0.71 0.01	39.83 1.16 0.00	31.03 1.19 0.00	29.14 1.28 0.00	27.34 1.23 0.00	27.03 1.29 0.00	28.44 1.48 0.00	28.92 1.61 0.00	30.04 1.73 0.00	35.61 1.76 0.00	46.92 1.89 0.01	58.25 1.92 0.01	57.41 1.67 0.01	45.84 1.51 0.01	40.14 1.58 0.00	33.97 1.46 0.00	31.86 1.23 0.00
CE_NYC_DRP 24195	29.65 1.06 0.00	27.44 0.95 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.18 0.74 0.00	31.23 0.76 0.00	44.44 1.00 0.00	48.38 1.00 0.00	40.10 1.43 0.00	31.12 1.28 0.00	29.22 1.37 0.00	27.41 1.31 0.00	27.10 1.36 0.00	28.52 1.56 0.00	29.00 1.69 0.00	30.15 1.84 0.00	35.81 1.96 0.00	47.29 2.25 0.00	58.65 2.31 0.00	57.81 2.06 0.00	46.15 1.82 0.00	40.41 1.85 0.00	34.03 1.53 0.00	31.89 1.26 0.00
CHAFFEE___LFGE 323603	27.91 -0.86 -0.17	26.04 -0.61 -0.16	25.38 -0.26 -0.12	24.84 -0.43 -0.09	25.95 -0.69 -0.19	30.50 -0.49 -0.51	43.06 -1.78 -1.40	47.45 -1.75 -1.81	38.48 -1.24 -1.05	30.04 -0.24 -0.45	27.78 -0.36 -0.28	26.26 0.00 -0.15	25.94 0.08 -0.12	27.41 0.24 -0.22	27.76 0.19 -0.26	28.06 -0.51 -0.26	33.31 -0.84 -0.31	44.25 -1.49 -0.69	56.09 -2.42 -2.17	55.92 -2.06 -2.23	43.71 -2.13 -1.50	37.61 -1.66 -0.70	32.36 -0.72 -0.57	30.62 -0.40 -0.39
CHATEAUG_35_KV_LOAD 355732	29.11 0.51 0.00	27.09 0.61 0.00	26.15 0.64 0.00	25.89 0.71 0.00	27.21 0.77 0.00	31.48 1.01 0.00	45.22 1.78 0.00	49.33 1.94 0.00	39.99 1.31 0.00	30.82 0.98 0.00	28.78 0.92 0.00	27.05 0.94 0.00	26.59 0.85 0.00	27.63 0.67 0.00	28.02 0.71 0.00	28.96 0.65 0.00	34.76 0.91 0.00	46.48 1.44 0.00	58.37 2.03 0.00	57.64 1.90 0.00	45.80 1.46 0.00	39.64 1.08 0.00	33.29 0.78 0.00	31.24 0.61 0.00
CHATEAUG_WT_PWR 323614	29.11 0.52 0.00	27.09 0.61 0.00	26.15 0.64 0.00	25.89 0.70 0.00	27.21 0.77 0.00	31.45 0.97 0.00	45.18 1.74 0.00	49.33 1.94 0.00	39.99 1.32 0.00	30.82 0.98 0.00	28.81 0.95 0.00	27.07 0.97 0.00	26.61 0.88 0.00	27.66 0.70 0.00	28.05 0.74 0.00	28.99 0.68 0.00	34.76 0.91 0.00	46.48 1.44 0.00	58.32 1.97 0.00	57.64 1.90 0.00	45.76 1.42 0.00	39.64 1.08 0.00	33.28 0.78 0.00	31.24 0.61 0.00
CHAT_HIGH_FALL_HYD 323578	29.11 0.51 0.00	27.09 0.61 0.00	26.15 0.64 0.00	25.89 0.71 0.00	27.21 0.77 0.00	31.48 1.01 0.00	45.22 1.78 0.00	49.33 1.94 0.00	39.99 1.31 0.00	30.82 0.98 0.00	28.78 0.92 0.00	27.05 0.94 0.00	26.59 0.85 0.00	27.63 0.67 0.00	28.02 0.71 0.00	28.96 0.65 0.00	34.76 0.91 0.00	46.48 1.44 0.00	58.37 2.03 0.00	57.64 1.90 0.00	45.80 1.46 0.00	39.64 1.08 0.00	33.29 0.78 0.00	31.24 0.61 0.00
CHAUTAUQUA___LFGE 323629	27.91 -0.86 -0.17	26.09 -0.56 -0.16	25.41 -0.23 -0.12	24.92 -0.35 -0.09	26.05 -0.58 -0.19	30.71 -0.27 -0.51	43.36 -1.48 -1.40	47.68 -1.52 -1.81	38.64 -1.08 -1.05	30.25 -0.03 -0.44	28.03 -0.11 -0.28	26.54 0.29 -0.15	26.25 0.39 -0.12	27.74 0.57 -0.21	28.09 0.52 -0.26	28.37 -0.20 -0.26	33.64 -0.51 -0.31	44.78 -0.95 -0.69	56.76 -1.75 -2.17	56.52 -1.45 -2.23	44.06 -1.77 -1.50	37.72 -1.54 -0.70	32.39 -0.68 -0.56	30.56 -0.46 -0.39
CHERRYST_13_KV_LD 356241	29.71 1.12 0.00	27.49 1.01 0.00	26.43 0.92 0.00	26.04 0.86 0.00	27.24 0.79 0.00	31.30 0.82 0.00	44.57 1.13 0.00	48.53 1.14 0.00	40.22 1.55 0.00	31.21 1.37 0.00	29.31 1.45 0.00	27.52 1.41 0.00	27.18 1.44 0.00	28.63 1.67 0.00	29.08 1.78 0.00	30.23 1.92 0.00	35.94 2.10 0.00	47.47 2.43 0.00	58.88 2.54 0.00	57.97 2.23 0.00	46.29 1.95 0.00	40.49 1.93 0.00	34.13 1.63 0.00	31.95 1.32 0.00



CHESTROR_138KV_BK263 355645	29.34 0.74 0.00	27.14 0.66 0.00	26.10 0.59 0.00	25.74 0.55 0.00	26.95 0.50 0.00	31.02 0.55 0.00	44.17 0.74 0.00	48.05 0.66 0.00	39.52 0.85 0.00	30.58 0.75 0.00	28.69 0.84 0.00	26.87 0.76 0.00	26.54 0.80 0.00	27.93 0.97 0.00	28.35 1.04 0.00	29.47 1.16 0.00	35.10 1.25 0.00	46.57 1.53 0.00	57.92 1.58 0.00	57.14 1.39 0.00	45.67 1.33 0.00	39.83 1.27 0.00	33.58 1.07 0.00	31.52 0.89 0.00
CH_MIDHUDSON___DRP 24192	29.48 0.89 0.00	27.28 0.79 0.00	26.23 0.71 0.00	25.86 0.68 0.00	27.10 0.66 0.00	31.17 0.70 0.00	44.44 1.00 0.00	48.38 1.00 0.00	39.76 1.08 0.00	30.70 0.87 0.00	28.81 0.95 0.00	26.97 0.86 0.00	26.61 0.88 0.00	27.98 1.02 0.00	28.45 1.15 0.00	29.58 1.27 0.00	35.27 1.42 0.00	46.89 1.85 0.00	58.26 1.92 0.00	57.42 1.67 0.00	45.93 1.60 0.00	40.06 1.50 0.00	33.74 1.24 0.00	31.70 1.07 0.00
CH_MISC_IPPS 23765	29.60 1.00 0.00	27.38 0.90 0.00	26.26 0.74 0.00	25.94 0.75 0.00	27.18 0.74 0.00	31.32 0.85 0.00	44.65 1.21 0.00	48.62 1.23 0.00	39.91 1.24 0.00	30.79 0.95 0.00	28.86 1.00 0.00	27.02 0.91 0.00	26.69 0.95 0.00	28.06 1.11 0.00	28.54 1.23 0.00	29.67 1.36 0.00	35.37 1.52 0.00	46.98 1.94 0.00	58.60 2.26 0.00	57.75 2.00 0.00	46.16 1.82 0.00	40.22 1.66 0.00	33.90 1.40 0.00	31.86 1.23 0.00
CH_RES_BVR_FALLS 23983	28.48 -0.11 0.00	26.43 -0.05 0.00	25.49 -0.03 0.00	25.18 0.00 0.00	26.44 0.00 0.00	30.47 0.00 0.00	43.48 0.04 0.00	47.44 0.05 0.00	38.67 0.00 0.00	29.87 0.03 0.00	27.91 0.06 0.00	26.19 0.08 0.00	25.79 0.05 0.00	26.96 0.00 0.00	27.34 0.03 0.00	28.28 -0.03 0.00	33.85 0.00 0.00	45.04 0.00 0.00	56.34 0.00 0.00	55.58 -0.17 0.00	44.07 -0.26 0.00	38.14 -0.42 0.00	32.02 -0.49 0.00	30.11 -0.52 0.00
CH_RES_NIAGARA 23895	27.76 -1.00 -0.17	25.85 -0.79 -0.16	24.84 -0.79 -0.12	24.59 -0.68 -0.09	25.73 -0.90 -0.19	30.18 -0.79 -0.50	41.38 -3.43 -1.38	45.65 -3.51 -1.77	37.23 -2.48 -1.03	29.14 -1.13 -0.44	26.96 -1.17 -0.28	25.52 -0.73 -0.15	25.24 -0.62 -0.12	26.63 -0.54 -0.21	26.94 -0.63 -0.26	27.20 -1.36 -0.25	32.22 -1.93 -0.30	42.02 -3.69 -0.68	53.74 -4.73 -2.13	53.58 -4.35 -2.19	41.99 -3.81 -1.47	36.05 -3.20 -0.69	31.34 -1.72 -0.55	30.50 -0.52 -0.39
CH_RES_SYRACUSE 23985	28.82 -0.14 -0.37	26.72 -0.11 -0.35	25.70 -0.08 -0.26	25.27 -0.10 -0.19	26.75 -0.11 -0.42	31.52 -0.06 -1.11	46.37 -0.09 -3.02	51.28 0.00 -3.90	40.93 0.00 -2.26	30.80 0.00 -0.96	28.38 -0.08 -0.60	26.35 -0.08 -0.32	25.95 -0.05 -0.26	27.39 -0.03 -0.46	27.81 -0.05 -0.56	28.81 -0.06 -0.55	34.40 -0.10 -0.66	46.39 -0.13 -1.49	61.02 0.00 -4.67	60.72 0.17 -4.81	47.57 0.00 -3.23	40.00 -0.08 -1.51	33.72 0.00 -1.22	31.42 -0.06 -0.85
CLINTON_WT_PWR 323605	29.11 0.52 0.00	27.09 0.61 0.00	26.15 0.64 0.00	25.89 0.70 0.00	27.21 0.77 0.00	31.45 0.97 0.00	45.18 1.74 0.00	49.33 1.94 0.00	39.99 1.32 0.00	30.82 0.98 0.00	28.81 0.95 0.00	27.07 0.97 0.00	26.61 0.88 0.00	27.66 0.70 0.00	28.05 0.74 0.00	28.99 0.68 0.00	34.76 0.91 0.00	46.48 1.44 0.00	58.32 1.97 0.00	57.64 1.90 0.00	45.76 1.42 0.00	39.64 1.08 0.00	33.28 0.78 0.00	31.24 0.61 0.00
CLINTON___LFGE 323618	29.51 0.91 0.00	27.51 1.03 0.00	26.59 1.07 0.00	26.32 1.13 0.00	27.69 1.24 0.00	32.09 1.61 0.00	46.17 2.74 0.00	50.42 3.04 0.00	40.76 2.09 0.00	31.42 1.58 0.00	29.36 1.50 0.00	27.62 1.51 0.00	27.10 1.36 0.00	28.11 1.16 0.00	28.54 1.23 0.00	29.50 1.19 0.00	35.44 1.59 0.00	47.47 2.43 0.00	59.67 3.32 0.00	58.92 3.18 0.00	46.77 2.44 0.00	40.41 1.85 0.00	33.90 1.40 0.00	31.73 1.10 0.00
COBBLENY_34_KV_TB1 80064	27.91 -0.86 -0.17	26.01 -0.64 -0.16	25.02 -0.61 -0.12	24.74 -0.53 -0.09	25.92 -0.71 -0.19	30.50 -0.49 -0.51	42.93 -1.91 -1.40	47.35 -1.85 -1.81	38.49 -1.24 -1.05	30.04 -0.24 -0.45	27.78 -0.36 -0.28	26.26 0.00 -0.15	25.94 0.08 -0.12	27.41 0.24 -0.22	27.76 0.19 -0.26	28.06 -0.51 -0.26	33.31 -0.85 -0.31	43.75 -1.98 -0.69	56.09 -2.42 -2.17	55.91 -2.06 -2.23	43.67 -2.17 -1.50	37.26 -2.01 -0.70	32.23 -0.85 -0.57	30.63 -0.40 -0.39
COFFEEN___115KV_TB3 355620	29.90 1.03 -0.27	27.80 1.06 -0.26	26.65 0.94 -0.19	26.26 0.93 -0.14	27.68 0.93 -0.31	32.69 1.40 -0.82	48.14 2.48 -2.23	53.15 2.89 -2.87	41.89 1.55 -1.67	31.32 0.78 -0.71	28.78 0.47 -0.45	26.68 0.34 -0.24	26.24 0.31 -0.19	27.57 0.27 -0.34	27.80 0.08 -0.41	29.00 0.28 -0.41	34.84 0.51 -0.49	47.26 1.13 -1.10	62.38 2.59 -3.45	62.24 2.95 -3.54	48.67 1.95 -2.38	41.26 1.58 -1.12	34.51 1.11 -0.90	32.02 0.77 -0.62
COLDSPRG_115KV_BK1 355956	28.03 -0.74 -0.17	26.17 -0.48 -0.16	25.18 -0.46 -0.12	24.94 -0.33 -0.09	26.19 -0.45 -0.19	30.93 -0.06 -0.52	44.20 -0.65 -1.41	48.69 -0.52 -1.82	39.34 -0.39 -1.06	30.85 0.57 -0.45	28.48 0.33 -0.28	26.96 0.70 -0.15	26.66 0.80 -0.12	28.20 1.02 -0.22	28.55 0.98 -0.26	28.85 0.28 -0.26	34.26 0.10 -0.31	44.84 -0.90 -0.70	57.57 -0.96 -2.18	57.26 -0.72 -2.25	44.52 -1.33 -1.51	37.76 -1.50 -0.71	32.49 -0.59 -0.57	30.69 -0.34 -0.40
COLONIE_LFGE___ 323577	29.45 0.86 0.00	27.14 0.66 0.00	26.15 0.64 0.00	25.81 0.63 0.00	27.18 0.74 0.00	31.20 0.73 0.00	44.52 1.09 0.00	48.43 1.04 0.00	39.49 0.81 0.00	30.31 0.48 0.00	28.36 0.50 0.00	26.47 0.37 0.00	26.10 0.36 0.00	27.36 0.40 0.00	27.74 0.44 0.00	28.93 0.62 0.00	34.66 0.81 0.00	46.35 1.31 0.00	57.87 1.52 0.00	57.08 1.34 0.00	45.62 1.29 0.00	39.68 1.12 0.00	33.41 0.91 0.00	31.55 0.92 0.00
COOPERNY_115KV_TB1 80082	29.20 0.60 0.00	27.04 0.56 0.00	25.98 0.46 0.00	25.61 0.43 0.00	26.84 0.40 0.00	30.90 0.43 0.00	44.00 0.56 0.00	47.91 0.52 0.00	39.33 0.66 0.00	30.46 0.63 0.00	28.53 0.67 0.00	26.73 0.63 0.00	26.41 0.67 0.00	27.76 0.81 0.00	28.18 0.87 0.00	29.27 0.96 0.00	34.86 1.02 0.00	46.26 1.22 0.00	57.58 1.24 0.00	56.86 1.11 0.00	45.40 1.06 0.00	39.60 1.04 0.00	33.38 0.88 0.00	31.34 0.70 0.00
COPENHAGEN_WT_PWR 323753	29.65 0.77 -0.29	27.54 0.79 -0.27	26.46 0.74 -0.20	26.03 0.70 -0.15	27.45 0.69 -0.32	32.42 1.10 -0.85	47.72 1.96 -2.33	52.71 2.32 -3.00	41.61 1.20 -1.74	31.17 0.60 -0.74	28.66 0.34 -0.47	26.59 0.23 -0.25	26.14 0.20 -0.20	27.48 0.16 -0.36	27.74 0.00 -0.43	28.88 0.14 -0.43	34.66 0.30 -0.51	47.00 0.81 -1.15	61.86 1.92 -3.60	61.68 2.23 -3.70	48.25 1.42 -2.49	40.92 1.20 -1.17	34.26 0.81 -0.94	31.77 0.49 -0.65
CORNELL_____ 23752	29.07 0.23 -0.25	27.01 0.29 -0.23	25.94 0.26 -0.17	25.54 0.23 -0.13	26.96 0.24 -0.28	31.64 0.43 -0.74	46.02 0.56 -2.02	50.70 0.71 -2.60	40.69 0.50 -1.51	30.87 0.39 -0.64	28.46 0.20 -0.40	26.53 0.21 -0.21	26.14 0.23 -0.17	27.56 0.30 -0.31	27.96 0.27 -0.37	28.91 0.23 -0.37	34.59 0.30 -0.44	46.40 0.36 -1.00	60.31 0.85 -3.12	60.07 1.11 -3.21	47.16 0.67 -2.16	40.00 0.42 -1.01	33.77 0.46 -0.81	31.59 0.40 -0.57



CORONA V_69_KV_TB1 355595	29.30 0.71 0.01	27.08 0.61 0.01	26.02 0.51 0.01	25.65 0.48 0.01	26.83 0.40 0.01	30.86 0.40 0.01	43.95 0.52 0.01	47.90 0.85 0.34	39.56 0.89 0.01	30.64 0.81 0.01	28.92 1.06 0.00	27.07 0.97 0.00	26.71 0.98 0.01	28.25 1.29 0.00	28.86 1.56 0.00	30.09 1.78 0.00	35.88 2.03 0.00	46.84 1.80 0.01	58.20 1.86 0.01	57.41 1.67 0.01	45.84 1.51 0.01	40.95 2.39 0.00	34.03 1.53 0.00	31.86 1.23 0.00
CORTLAND_115KV_TB3 80093	29.32 0.49 -0.24	27.21 0.50 -0.22	26.14 0.46 -0.16	25.73 0.43 -0.12	27.18 0.48 -0.27	31.85 0.67 -0.71	46.49 1.13 -1.92	51.24 1.37 -2.48	41.08 0.97 -1.44	31.10 0.66 -0.61	28.69 0.45 -0.38	26.70 0.39 -0.20	26.32 0.41 -0.17	27.68 0.43 -0.29	28.05 0.38 -0.36	29.14 0.48 -0.35	34.84 0.58 -0.42	46.80 0.81 -0.95	60.78 1.46 -2.97	60.53 1.73 -3.06	47.55 1.15 -2.06	40.41 0.89 -0.96	34.00 0.72 -0.78	31.75 0.58 -0.54
COXSACKIE___GT 23611	29.91 1.32 0.00	27.70 1.22 0.00	26.64 1.12 0.00	26.41 1.23 0.00	27.76 1.32 0.00	32.06 1.58 0.00	45.87 2.43 0.00	49.99 2.60 0.00	39.95 1.27 0.00	30.22 0.39 0.00	28.03 0.17 0.00	26.13 0.03 0.00	25.76 0.03 0.00	27.06 0.11 0.00	27.47 0.16 0.00	28.79 0.48 0.00	34.72 0.88 0.00	47.16 2.12 0.00	59.55 3.21 0.00	58.75 3.01 0.00	46.86 2.53 0.00	40.60 2.04 0.00	34.26 1.75 0.00	32.25 1.62 0.00
CPV_VALLEY___CC1 323721	29.20 0.60 0.00	26.98 0.50 0.00	25.90 0.38 0.00	25.56 0.38 0.00	26.81 0.37 0.00	30.84 0.37 0.00	43.87 0.43 0.00	47.77 0.38 0.00	39.29 0.62 0.00	30.43 0.60 0.00	28.56 0.70 0.00	26.76 0.65 0.00	26.41 0.67 0.00	27.79 0.84 0.00	28.21 0.90 0.00	29.33 1.02 0.00	34.90 1.05 0.00	46.21 1.17 0.00	57.58 1.24 0.00	56.80 1.06 0.00	45.36 1.02 0.00	39.60 1.04 0.00	33.35 0.84 0.00	31.34 0.71 0.00
CPV_VALLEY___CC2 323722	29.20 0.60 0.00	26.98 0.50 0.00	25.90 0.38 0.00	25.56 0.38 0.00	26.81 0.37 0.00	30.84 0.37 0.00	43.87 0.43 0.00	47.77 0.38 0.00	39.29 0.62 0.00	30.43 0.60 0.00	28.56 0.70 0.00	26.76 0.65 0.00	26.41 0.67 0.00	27.79 0.84 0.00	28.21 0.90 0.00	29.33 1.02 0.00	34.90 1.05 0.00	46.21 1.17 0.00	57.58 1.24 0.00	56.80 1.06 0.00	45.36 1.02 0.00	39.60 1.04 0.00	33.35 0.84 0.00	31.34 0.71 0.00
CRESCENT___HYD 24018	29.45 0.86 0.00	27.14 0.66 0.00	26.15 0.64 0.00	25.81 0.63 0.00	27.18 0.74 0.00	31.20 0.73 0.00	44.52 1.09 0.00	48.43 1.04 0.00	39.49 0.81 0.00	30.31 0.48 0.00	28.36 0.50 0.00	26.47 0.37 0.00	26.10 0.36 0.00	27.36 0.40 0.00	27.74 0.44 0.00	28.93 0.62 0.00	34.66 0.81 0.00	46.35 1.31 0.00	57.87 1.52 0.00	57.08 1.34 0.00	45.62 1.29 0.00	39.68 1.12 0.00	33.41 0.91 0.00	31.55 0.92 0.00
CRICKET___VALLEY_CC1 323756	29.22 0.63 0.00	26.98 0.50 0.00	25.90 0.38 0.00	25.58 0.40 0.00	26.86 0.42 0.00	30.84 0.37 0.00	43.91 0.48 0.00	47.81 0.43 0.00	39.29 0.62 0.00	30.38 0.54 0.00	28.53 0.67 0.00	26.68 0.57 0.00	26.33 0.59 0.00	27.68 0.73 0.00	28.13 0.82 0.00	29.24 0.93 0.00	34.86 1.01 0.00	46.30 1.26 0.00	57.53 1.19 0.00	56.69 0.95 0.00	45.40 1.06 0.00	39.60 1.04 0.00	33.35 0.84 0.00	31.36 0.73 0.00
CRICKET___VALLEY_CC2 323757	29.22 0.63 0.00	26.98 0.50 0.00	25.90 0.38 0.00	25.58 0.40 0.00	26.86 0.42 0.00	30.84 0.37 0.00	43.91 0.48 0.00	47.81 0.43 0.00	39.29 0.62 0.00	30.38 0.54 0.00	28.53 0.67 0.00	26.68 0.57 0.00	26.33 0.59 0.00	27.68 0.73 0.00	28.13 0.82 0.00	29.24 0.93 0.00	34.86 1.01 0.00	46.30 1.26 0.00	57.53 1.19 0.00	56.69 0.95 0.00	45.40 1.06 0.00	39.60 1.04 0.00	33.35 0.84 0.00	31.36 0.73 0.00
CRICKET___VALLEY_CC3 323758	29.22 0.63 0.00	26.98 0.50 0.00	25.90 0.38 0.00	25.58 0.40 0.00	26.86 0.42 0.00	30.84 0.37 0.00	43.91 0.48 0.00	47.81 0.43 0.00	39.29 0.62 0.00	30.38 0.54 0.00	28.53 0.67 0.00	26.68 0.57 0.00	26.33 0.59 0.00	27.68 0.73 0.00	28.13 0.82 0.00	29.24 0.93 0.00	34.86 1.01 0.00	46.30 1.26 0.00	57.53 1.19 0.00	56.69 0.95 0.00	45.40 1.06 0.00	39.60 1.04 0.00	33.35 0.84 0.00	31.36 0.73 0.00
CRUCIBLE_METL_DRP 24180	28.82 -0.14 -0.37	26.72 -0.11 -0.35	25.67 -0.10 -0.26	25.25 -0.13 -0.19	26.75 -0.11 -0.42	31.52 -0.06 -1.11	46.37 -0.09 -3.02	51.28 0.00 -3.90	40.93 0.00 -2.26	30.80 0.00 -0.96	28.38 -0.08 -0.60	26.35 -0.08 -0.32	25.95 -0.05 -0.26	27.39 -0.03 -0.46	27.81 -0.05 -0.56	28.81 -0.06 -0.55	34.40 -0.10 -0.66	46.35 -0.18 -1.49	61.02 0.00 -4.67	60.72 0.17 -4.81	47.57 0.00 -3.23	39.96 -0.12 -1.51	33.69 -0.03 -1.22	31.42 -0.06 -0.85
DAHOWA___HYDRO 323763	29.94 1.34 0.00	27.65 1.16 0.00	26.64 1.12 0.00	26.29 1.11 0.00	27.69 1.24 0.00	31.85 1.37 0.00	45.56 2.13 0.00	49.52 2.13 0.00	40.06 1.39 0.00	30.52 0.69 0.00	28.42 0.56 0.00	26.50 0.39 0.00	26.10 0.36 0.00	27.39 0.43 0.00	27.72 0.41 0.00	29.02 0.71 0.00	34.86 1.01 0.00	46.89 1.85 0.00	58.94 2.59 0.00	58.25 2.51 0.00	46.51 2.17 0.00	40.41 1.85 0.00	34.00 1.50 0.00	32.04 1.41 0.00
DANC___LFGE 323619	29.24 0.29 -0.35	27.16 0.34 -0.33	26.07 0.31 -0.25	25.64 0.28 -0.18	27.10 0.26 -0.40	32.05 0.52 -1.06	47.32 1.00 -2.88	52.33 1.23 -3.71	41.37 0.54 -2.15	30.96 0.21 -0.91	28.46 0.03 -0.58	26.39 -0.03 -0.31	25.96 -0.03 -0.25	27.34 -0.05 -0.44	27.65 -0.19 -0.53	28.72 -0.11 -0.53	34.41 -0.07 -0.63	46.64 0.18 -1.42	61.64 0.85 -4.45	61.44 1.11 -4.58	48.08 0.67 -3.08	40.54 0.54 -1.44	33.99 0.33 -1.16	31.59 0.15 -0.81
DANSKAMMER___1 23586	29.60 1.00 0.00	27.38 0.90 0.00	26.26 0.74 0.00	25.94 0.75 0.00	27.18 0.74 0.00	31.32 0.85 0.00	44.65 1.21 0.00	48.62 1.23 0.00	39.91 1.24 0.00	30.79 0.95 0.00	28.86 1.00 0.00	27.02 0.91 0.00	26.69 0.95 0.00	28.06 1.11 0.00	28.54 1.23 0.00	29.67 1.36 0.00	35.37 1.52 0.00	46.98 1.94 0.00	58.60 2.26 0.00	57.75 2.00 0.00	46.16 1.82 0.00	40.22 1.66 0.00	33.90 1.40 0.00	31.86 1.23 0.00
DANSKAMMER___2 23589	29.60 1.00 0.00	27.38 0.90 0.00	26.26 0.74 0.00	25.94 0.75 0.00	27.18 0.74 0.00	31.32 0.85 0.00	44.65 1.21 0.00	48.62 1.23 0.00	39.91 1.24 0.00	30.79 0.95 0.00	28.86 1.00 0.00	27.02 0.91 0.00	26.69 0.95 0.00	28.06 1.11 0.00	28.54 1.23 0.00	29.67 1.36 0.00	35.37 1.52 0.00	46.98 1.94 0.00	58.60 2.26 0.00	57.75 2.00 0.00	46.16 1.82 0.00	40.22 1.66 0.00	33.90 1.40 0.00	31.86 1.23 0.00
DANSKAMMER___3 23590	29.60 1.00 0.00	27.38 0.90 0.00	26.26 0.74 0.00	25.94 0.75 0.00	27.18 0.74 0.00	31.32 0.85 0.00	44.65 1.21 0.00	48.62 1.23 0.00	39.91 1.24 0.00	30.79 0.95 0.00	28.86 1.00 0.00	27.02 0.91 0.00	26.69 0.95 0.00	28.06 1.11 0.00	28.54 1.23 0.00	29.67 1.36 0.00	35.37 1.52 0.00	46.98 1.94 0.00	58.60 2.26 0.00	57.75 2.00 0.00	46.16 1.82 0.00	40.22 1.66 0.00	33.90 1.40 0.00	31.86 1.23 0.00



DANSKAMMER___4 23591	29.60 1.00 0.00	27.38 0.90 0.00	26.26 0.74 0.00	25.94 0.75 0.00	27.18 0.74 0.00	31.32 0.85 0.00	44.65 1.21 0.00	48.62 1.23 0.00	39.91 1.24 0.00	30.79 0.95 0.00	28.86 1.00 0.00	27.02 0.91 0.00	26.69 0.95 0.00	28.06 1.11 0.00	28.54 1.23 0.00	29.67 1.36 0.00	35.37 1.52 0.00	46.98 1.94 0.00	58.60 2.26 0.00	57.75 2.00 0.00	46.16 1.82 0.00	40.22 1.66 0.00	33.90 1.40 0.00	31.86 1.23 0.00
DANSKAMMER___DIESEL 23592	29.60 1.00 0.00	27.38 0.90 0.00	26.33 0.82 0.00	25.96 0.78 0.00	27.18 0.74 0.00	31.33 0.85 0.00	44.70 1.26 0.00	48.62 1.23 0.00	39.91 1.24 0.00	30.79 0.95 0.00	28.86 1.00 0.00	27.02 0.91 0.00	26.69 0.95 0.00	28.06 1.11 0.00	28.54 1.23 0.00	29.67 1.36 0.00	35.37 1.52 0.00	47.07 2.03 0.00	58.60 2.25 0.00	57.75 2.01 0.00	46.15 1.82 0.00	40.26 1.70 0.00	33.94 1.43 0.00	31.86 1.23 0.00
DARBY___SOLAR 323810	29.82 1.23 0.00	27.54 1.06 0.00	26.54 1.02 0.00	26.16 0.98 0.00	27.55 1.11 0.00	31.69 1.22 0.00	45.30 1.87 0.00	49.29 1.90 0.00	39.91 1.24 0.00	30.47 0.63 0.00	28.36 0.50 0.00	26.42 0.31 0.00	26.05 0.31 0.00	27.33 0.38 0.00	27.66 0.35 0.00	28.96 0.65 0.00	34.79 0.95 0.00	46.75 1.71 0.00	58.71 2.37 0.00	57.98 2.23 0.00	46.29 1.95 0.00	40.25 1.69 0.00	33.87 1.36 0.00	31.92 1.29 0.00
DASHVILLE___HYD 23610	29.40 0.80 0.00	27.22 0.74 0.00	26.15 0.64 0.00	25.79 0.60 0.00	27.00 0.56 0.00	31.11 0.64 0.00	44.39 0.96 0.00	48.29 0.90 0.00	39.60 0.93 0.00	30.52 0.69 0.00	28.61 0.75 0.00	26.79 0.68 0.00	26.43 0.69 0.00	27.82 0.86 0.00	28.29 0.98 0.00	29.41 1.10 0.00	35.10 1.25 0.00	46.71 1.67 0.00	58.09 1.75 0.00	57.30 1.56 0.00	45.80 1.46 0.00	39.95 1.39 0.00	33.68 1.17 0.00	31.61 0.98 0.00
DELAWARE___LFGE 323621	29.30 0.60 -0.10	27.13 0.56 -0.09	26.10 0.51 -0.07	25.71 0.48 -0.05	27.03 0.48 -0.11	31.38 0.61 -0.30	45.13 0.87 -0.82	49.35 0.90 -1.06	39.98 0.70 -0.61	30.61 0.51 -0.26	28.50 0.47 -0.16	26.61 0.42 -0.09	26.25 0.44 -0.07	27.62 0.54 -0.13	27.98 0.52 -0.15	29.08 0.62 -0.15	34.74 0.71 -0.18	46.44 0.99 -0.40	58.91 1.30 -1.27	58.33 1.28 -1.30	46.28 1.06 -0.88	39.93 0.96 -0.41	33.65 0.81 -0.33	31.53 0.67 -0.23
DERFIELD_115KV_TB7 355931	28.68 0.09 0.00	26.53 0.05 0.00	25.57 0.05 0.00	25.23 0.05 0.00	26.50 0.05 0.00	30.53 0.06 0.00	43.52 0.09 0.00	47.44 0.05 0.00	38.71 0.04 0.00	29.84 0.00 0.00	27.89 0.03 0.00	26.11 0.00 0.00	25.74 0.00 0.00	26.98 0.03 0.00	27.34 0.03 0.00	28.39 0.08 0.00	33.95 0.10 0.00	45.18 0.14 0.00	56.51 0.17 0.00	55.91 0.17 0.00	44.47 0.13 0.00	38.67 0.12 0.00	32.60 0.10 0.00	30.69 0.06 0.00
DOGLEVILLE___HYD 23807	28.17 -0.43 0.00	26.16 -0.32 0.00	25.18 -0.33 0.00	24.85 -0.33 0.00	26.13 -0.32 0.00	30.20 -0.27 0.00	43.09 -0.35 0.00	46.96 -0.43 0.00	38.17 -0.50 0.00	29.45 -0.39 0.00	27.55 -0.31 0.00	25.85 -0.26 0.00	25.51 -0.23 0.00	26.71 -0.24 0.00	27.01 -0.30 0.00	28.17 -0.14 0.00	33.71 -0.14 0.00	44.77 -0.27 0.00	56.18 -0.17 0.00	55.58 -0.17 0.00	44.03 -0.31 0.00	38.44 -0.12 0.00	32.37 -0.13 0.00	30.42 -0.21 0.00
DUNKIRK__115KV_TB_200 55889	27.94 -0.83 -0.17	26.06 -0.58 -0.16	25.07 -0.56 -0.12	24.82 -0.45 -0.09	26.05 -0.58 -0.19	30.68 -0.30 -0.51	43.14 -1.69 -1.40	47.54 -1.66 -1.81	38.56 -1.16 -1.05	30.22 -0.06 -0.44	27.97 -0.17 -0.28	26.49 0.23 -0.15	26.19 0.33 -0.12	27.68 0.51 -0.21	28.00 0.44 -0.26	28.31 -0.25 -0.26	33.58 -0.58 -0.31	44.15 -1.58 -0.69	56.65 -1.86 -2.17	56.35 -1.62 -2.23	43.97 -1.86 -1.50	37.41 -1.85 -0.70	32.26 -0.81 -0.56	30.59 -0.43 -0.39
DUNKIRK___1 23563	27.94 -0.83 -0.17	26.06 -0.58 -0.16	25.07 -0.56 -0.12	24.82 -0.45 -0.09	26.05 -0.58 -0.19	30.68 -0.30 -0.51	43.14 -1.69 -1.40	47.54 -1.66 -1.81	38.56 -1.16 -1.05	30.22 -0.06 -0.44	27.97 -0.17 -0.28	26.49 0.23 -0.15	26.19 0.33 -0.12	27.68 0.51 -0.21	28.00 0.44 -0.26	28.31 -0.25 -0.26	33.58 -0.58 -0.31	44.15 -1.58 -0.69	56.65 -1.86 -2.17	56.35 -1.62 -2.23	43.97 -1.86 -1.50	37.41 -1.85 -0.70	32.26 -0.81 -0.56	30.59 -0.43 -0.39
DUNKIRK___2 23564	27.94 -0.83 -0.17	26.06 -0.58 -0.16	25.07 -0.56 -0.12	24.82 -0.45 -0.09	26.05 -0.58 -0.19	30.68 -0.30 -0.51	43.14 -1.69 -1.40	47.54 -1.66 -1.81	38.56 -1.16 -1.05	30.22 -0.06 -0.44	27.97 -0.17 -0.28	26.49 0.23 -0.15	26.19 0.33 -0.12	27.68 0.51 -0.21	28.00 0.44 -0.26	28.31 -0.25 -0.26	33.58 -0.58 -0.31	44.15 -1.58 -0.69	56.65 -1.86 -2.17	56.35 -1.62 -2.23	43.97 -1.86 -1.50	37.41 -1.85 -0.70	32.26 -0.81 -0.56	30.59 -0.43 -0.39
DUNKIRK___3 23565	27.88 -0.89 -0.17	26.01 -0.64 -0.16	25.00 -0.64 -0.12	24.74 -0.53 -0.09	25.95 -0.69 -0.19	30.56 -0.43 -0.51	42.92 -1.91 -1.40	47.30 -1.90 -1.80	38.40 -1.31 -1.05	30.04 -0.24 -0.44	27.80 -0.33 -0.28	26.31 0.05 -0.15	26.01 0.15 -0.12	27.52 0.35 -0.21	27.84 0.27 -0.26	28.14 -0.42 -0.26	33.37 -0.78 -0.31	43.84 -1.89 -0.69	56.25 -2.25 -2.16	56.02 -1.95 -2.22	43.70 -2.13 -1.50	37.22 -2.04 -0.70	32.16 -0.91 -0.56	30.56 -0.46 -0.39
DUNKIRK___4 23566	27.88 -0.89 -0.17	26.01 -0.64 -0.16	25.00 -0.64 -0.12	24.74 -0.53 -0.09	25.95 -0.69 -0.19	30.56 -0.43 -0.51	42.92 -1.91 -1.40	47.30 -1.90 -1.80	38.40 -1.31 -1.05	30.04 -0.24 -0.44	27.80 -0.33 -0.28	26.31 0.05 -0.15	26.01 0.15 -0.12	27.52 0.35 -0.21	27.84 0.27 -0.26	28.14 -0.42 -0.26	33.37 -0.78 -0.31	43.84 -1.89 -0.69	56.25 -2.25 -2.16	56.02 -1.95 -2.22	43.70 -2.13 -1.50	37.22 -2.04 -0.70	32.16 -0.91 -0.56	30.56 -0.46 -0.39
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	29.60 1.00 0.00	27.38 0.90 0.00	26.33 0.82 0.00	25.94 0.76 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.44 1.00 0.00	48.34 0.95 0.00	39.99 1.31 0.00	30.97 1.13 0.00	29.08 1.23 0.00	27.26 1.15 0.00	26.92 1.18 0.00	28.33 1.37 0.00	28.81 1.50 0.00	29.92 1.61 0.00	35.61 1.76 0.00	47.11 2.07 0.00	58.49 2.14 0.00	57.64 1.90 0.00	46.07 1.73 0.00	40.33 1.77 0.00	33.94 1.43 0.00	31.83 1.19 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	29.45 0.86 0.00	27.25 0.77 0.00	26.21 0.69 0.00	25.84 0.65 0.00	27.05 0.61 0.00	31.17 0.70 0.00	44.39 0.96 0.00	48.34 0.95 0.00	39.72 1.04 0.00	30.70 0.87 0.00	28.78 0.92 0.00	26.94 0.84 0.00	26.61 0.88 0.00	28.01 1.05 0.00	28.45 1.15 0.00	29.58 1.27 0.00	35.23 1.39 0.00	46.84 1.80 0.00	58.26 1.92 0.00	57.47 1.73 0.00	45.89 1.55 0.00	40.06 1.50 0.00	33.74 1.24 0.00	31.67 1.04 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	29.68 1.09 0.00	27.41 0.93 0.00	26.33 0.82 0.00	25.91 0.73 0.00	27.16 0.71 0.00	30.96 0.49 0.00	44.12 0.69 0.01	48.04 0.66 0.01	39.68 1.01 0.00	30.88 1.04 0.00	29.00 1.14 0.00	27.23 1.12 0.00	26.90 1.16 0.00	28.30 1.35 0.00	28.78 1.47 0.00	29.89 1.59 0.00	35.44 1.59 0.00	46.83 1.80 0.01	58.14 1.80 0.01	57.30 1.56 0.01	45.79 1.46 0.01	39.99 1.43 0.00	33.87 1.37 0.00	31.76 1.13 0.00



E179THST_13_KV_LOAD 356214	29.80 1.20 0.00	27.51 1.03 0.00	26.41 0.89 0.00	26.01 0.83 0.00	27.24 0.79 0.00	31.08 0.61 0.00	44.30 0.87 0.01	48.23 0.85 0.01	39.83 1.16 0.00	31.03 1.19 0.00	29.14 1.28 0.00	27.34 1.23 0.00	27.03 1.29 0.00	28.44 1.48 0.00	28.92 1.61 0.00	30.04 1.73 0.00	35.61 1.76 0.00	47.06 2.03 0.01	58.48 2.14 0.01	57.58 1.84 0.01	46.01 1.68 0.01	40.18 1.62 0.00	34.00 1.50 0.00	31.89 1.26 0.00
EAST HAMPTON___GT 23717	28.27 -0.31 0.01	26.10 -0.37 0.01	25.00 -0.51 0.01	24.64 -0.53 0.01	25.85 -0.58 0.01	27.29 -0.70 2.48	33.88 -1.48 8.08	44.91 -1.23 1.24	30.95 -0.66 7.07	29.35 -0.48 0.01	27.80 -0.06 0.00	25.91 -0.08 0.12	25.66 0.05 0.13	27.52 0.57 0.00	28.45 1.15 0.00	29.98 1.67 0.00	36.08 2.23 0.00	47.11 2.07 0.01	58.70 2.37 0.01	58.02 2.29 0.01	46.37 2.04 0.01	41.88 3.32 0.00	34.39 1.88 0.00	32.25 1.62 0.00
EAST RIVER___6 23660	29.60 1.00 0.00	27.35 0.87 0.00	26.28 0.76 0.00	25.94 0.75 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.39 0.95 0.00	48.24 0.85 0.00	40.03 1.35 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.41 1.30 0.00	27.13 1.39 0.00	28.60 1.64 0.00	29.06 1.75 0.00	30.23 1.93 0.00	35.91 2.06 0.00	47.34 2.30 0.00	58.82 2.48 0.00	57.86 2.12 0.00	46.20 1.86 0.00	40.33 1.77 0.00	34.03 1.53 0.00	31.86 1.23 0.00
EAST RIVER___7 23524	29.60 1.00 0.00	27.35 0.87 0.00	26.28 0.76 0.00	25.94 0.75 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.39 0.95 0.00	48.24 0.85 0.00	40.03 1.35 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.41 1.30 0.00	27.13 1.39 0.00	28.60 1.64 0.00	29.06 1.75 0.00	30.23 1.93 0.00	35.91 2.06 0.00	47.34 2.30 0.00	58.82 2.48 0.00	57.86 2.12 0.00	46.20 1.86 0.00	40.33 1.77 0.00	34.03 1.53 0.00	31.86 1.23 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	29.54 0.94 0.00	27.33 0.85 0.00	26.28 0.77 0.00	25.89 0.71 0.00	27.10 0.66 0.00	31.17 0.70 0.00	44.39 0.96 0.00	48.29 0.90 0.00	39.87 1.20 0.00	30.91 1.07 0.00	29.03 1.17 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.73 1.42 0.00	29.84 1.53 0.00	35.50 1.66 0.00	47.02 1.98 0.00	58.37 2.03 0.00	57.53 1.78 0.00	45.98 1.64 0.00	40.22 1.66 0.00	33.87 1.37 0.00	31.76 1.13 0.00
EAST_HAMPTON___DIESEL 23722	28.21 -0.37 0.01	26.02 -0.45 0.01	24.92 -0.59 0.01	24.60 -0.58 0.01	25.80 -0.63 0.01	27.23 -0.76 2.48	33.75 -1.61 8.08	44.77 -1.38 1.24	30.84 -0.77 7.06	29.26 -0.57 0.01	27.72 -0.14 0.00	25.85 -0.13 0.12	25.58 -0.03 0.13	27.47 0.51 0.00	28.43 1.12 0.00	29.95 1.64 0.00	36.08 2.23 0.00	47.06 2.03 0.01	58.65 2.31 0.01	58.02 2.29 0.01	46.33 2.00 0.01	41.88 3.32 0.00	34.39 1.88 0.00	32.25 1.62 0.00
EAST_POINT___SOLAR 323840	30.54 1.95 0.00	28.26 1.77 0.00	27.25 1.74 0.00	26.84 1.66 0.00	28.27 1.82 0.00	32.73 2.25 0.00	47.09 3.65 0.00	50.47 3.08 0.00	39.33 0.66 0.00	29.24 -0.60 0.00	26.83 -1.03 0.00	25.01 -1.10 0.00	24.71 -1.03 0.00	25.90 -1.05 0.00	26.13 -1.17 0.00	27.57 -0.74 0.00	33.57 -0.27 0.00	46.71 1.67 0.00	60.74 4.40 0.00	60.26 4.51 0.00	47.93 3.59 0.00	41.60 3.05 0.00	34.91 2.41 0.00	32.74 2.11 0.00
EAST_PULASKI___ESR 323781	28.94 -0.14 -0.49	26.84 -0.11 -0.46	25.76 -0.10 -0.34	25.31 -0.13 -0.26	26.86 -0.13 -0.55	31.91 -0.03 -1.47	47.52 0.09 -4.00	52.73 0.19 -5.15	41.62 -0.04 -2.99	30.96 -0.15 -1.27	28.41 -0.25 -0.80	26.27 -0.26 -0.42	25.85 -0.23 -0.34	27.32 -0.24 -0.61	27.72 -0.33 -0.74	28.70 -0.34 -0.73	34.35 -0.37 -0.87	46.65 -0.36 -1.97	62.41 -0.11 -6.18	62.16 0.06 -6.36	48.57 -0.04 -4.27	40.49 -0.08 -2.00	34.02 -0.10 -1.61	31.57 -0.18 -1.12
EAST_RIVER___1 323558	29.65 1.06 0.00	27.41 0.93 0.00	26.31 0.79 0.00	25.96 0.78 0.00	27.18 0.74 0.00	31.23 0.76 0.00	44.44 1.00 0.00	48.38 1.00 0.00	40.10 1.43 0.00	31.12 1.28 0.00	29.22 1.36 0.00	27.41 1.30 0.00	27.10 1.36 0.00	28.55 1.59 0.00	29.00 1.69 0.00	30.15 1.84 0.00	35.81 1.96 0.00	47.20 2.16 0.00	58.66 2.31 0.00	57.81 2.06 0.00	46.16 1.82 0.00	40.37 1.81 0.00	34.03 1.53 0.00	31.89 1.26 0.00
EAST_RIVER___2 323559	29.60 1.00 0.00	27.35 0.87 0.00	26.28 0.76 0.00	25.94 0.75 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.39 0.95 0.00	48.24 0.85 0.00	40.03 1.35 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.41 1.30 0.00	27.13 1.39 0.00	28.60 1.64 0.00	29.06 1.75 0.00	30.23 1.93 0.00	35.91 2.06 0.00	47.34 2.30 0.00	58.82 2.48 0.00	57.86 2.12 0.00	46.20 1.86 0.00	40.33 1.77 0.00	34.03 1.53 0.00	31.86 1.23 0.00
EAST___DELAWARE_HYD 23607	29.65 1.06 0.00	27.46 0.98 0.00	26.33 0.82 0.00	25.99 0.81 0.00	27.24 0.79 0.00	31.48 1.00 0.00	44.87 1.43 0.00	48.90 1.52 0.00	39.99 1.32 0.00	30.82 0.98 0.00	28.83 0.97 0.00	27.02 0.91 0.00	26.66 0.93 0.00	28.06 1.11 0.00	28.51 1.20 0.00	29.67 1.36 0.00	35.37 1.52 0.00	47.07 2.03 0.00	58.82 2.48 0.00	58.08 2.34 0.00	46.38 2.04 0.00	40.37 1.81 0.00	34.03 1.53 0.00	31.92 1.29 0.00
EIGHT_POINT___WT_PWR 323820	28.16 -0.63 -0.20	26.32 -0.35 -0.19	25.55 -0.10 -0.14	25.06 -0.23 -0.10	26.30 -0.37 -0.22	30.97 -0.09 -0.59	44.18 -0.87 -1.61	48.57 -0.90 -2.08	39.14 -0.74 -1.21	30.14 -0.21 -0.51	27.76 -0.42 -0.32	26.07 -0.21 -0.17	25.78 -0.10 -0.14	27.26 0.05 -0.25	27.55 -0.05 -0.30	28.15 -0.45 -0.30	33.55 -0.64 -0.35	44.84 -0.99 -0.79	57.60 -1.24 -2.49	57.31 -1.00 -2.57	44.69 -1.37 -1.72	38.06 -1.31 -0.81	32.34 -0.81 -0.65	30.41 -0.67 -0.45
ELBRIDGE_115KV_TB2 80188	28.64 -0.34 -0.39	26.56 -0.29 -0.37	25.51 -0.28 -0.27	25.08 -0.30 -0.20	26.59 -0.29 -0.44	31.37 -0.27 -1.17	46.19 -0.43 -3.19	51.12 -0.38 -4.11	40.75 -0.31 -2.38	30.64 -0.21 -1.01	28.22 -0.28 -0.64	26.21 -0.23 -0.34	25.81 -0.21 -0.27	27.26 -0.19 -0.49	27.68 -0.22 -0.59	28.64 -0.25 -0.59	34.24 -0.30 -0.70	46.07 -0.54 -1.57	60.82 -0.45 -4.93	60.53 -0.28 -5.07	47.39 -0.35 -3.41	39.77 -0.39 -1.60	33.53 -0.26 -1.29	31.28 -0.25 -0.89
ELEC_TRO_TEK 24086	29.13 0.54 0.01	26.93 0.45 0.01	25.89 0.38 0.01	25.50 0.33 0.01	26.70 0.26 0.01	30.68 0.21 0.01	43.69 0.26 0.01	47.56 0.62 0.45	39.32 0.66 0.01	30.46 0.63 0.01	28.75 0.89 0.00	26.92 0.81 0.00	26.56 0.82 0.01	28.06 1.11 0.00	28.70 1.39 0.00	29.92 1.61 0.00	35.67 1.83 0.00	46.57 1.53 0.01	57.80 1.46 0.01	56.96 1.23 0.01	45.53 1.20 0.01	40.68 2.12 0.00	33.81 1.30 0.00	31.64 1.01 0.00
ELLENBURG_WT_PWR 323604	29.11 0.52 0.00	27.09 0.61 0.00	26.15 0.64 0.00	25.89 0.70 0.00	27.21 0.77 0.00	31.45 0.97 0.00	45.18 1.74 0.00	49.33 1.94 0.00	39.99 1.32 0.00	30.82 0.98 0.00	28.81 0.95 0.00	27.07 0.97 0.00	26.61 0.88 0.00	27.66 0.70 0.00	28.05 0.74 0.00	28.99 0.68 0.00	34.76 0.91 0.00	46.48 1.44 0.00	58.32 1.97 0.00	57.64 1.90 0.00	45.76 1.42 0.00	39.64 1.08 0.00	33.28 0.78 0.00	31.24 0.61 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	27.82 -0.94 -0.17	25.93 -0.72 -0.16	24.92 -0.71 -0.12	24.67 -0.60 -0.09	25.81 -0.82 -0.19	30.37 -0.61 -0.51	42.52 -2.30 -1.39	46.90 -2.27 -1.79	38.16 -1.55 -1.04	29.83 -0.45 -0.44	27.61 -0.53 -0.28	26.10 -0.16 -0.15	25.81 -0.05 -0.12	27.28 0.11 -0.21	27.59 0.03 -0.26	27.88 -0.68 -0.25	33.07 -1.08 -0.30	43.29 -2.43 -0.68	55.50 -2.99 -2.14	55.27 -2.68 -2.21	43.25 -2.57 -1.48	36.94 -2.31 -0.70	32.02 -1.04 -0.56	30.53 -0.49 -0.39
EMPIRE_CC_1 323656	29.08 0.49 0.00	26.80 0.32 0.00	25.80 0.28 0.00	25.51 0.33 0.00	26.84 0.40 0.00	30.66 0.18 0.00	43.61 0.17 0.00	47.48 0.09 0.00	38.83 0.16 0.00	29.93 0.09 0.00	28.06 0.20 0.00	26.19 0.08 0.00	25.82 0.08 0.00	27.06 0.11 0.00	27.47 0.16 0.00	28.62 0.31 0.00	34.22 0.37 0.00	45.54 0.50 0.00	56.74 0.40 0.00	55.91 0.17 0.00	44.78 0.44 0.00	38.98 0.42 0.00	32.83 0.33 0.00	31.09 0.46 0.00
EMPIRE_CC_2 323658	29.08 0.49 0.00	26.80 0.32 0.00	25.80 0.28 0.00	25.51 0.33 0.00	26.84 0.40 0.00	30.66 0.18 0.00	43.61 0.17 0.00	47.48 0.09 0.00	38.83 0.16 0.00	29.93 0.09 0.00	28.06 0.20 0.00	26.19 0.08 0.00	25.82 0.08 0.00	27.06 0.11 0.00	27.47 0.16 0.00	28.62 0.31 0.00	34.22 0.37 0.00	45.54 0.50 0.00	56.74 0.40 0.00	55.91 0.17 0.00	44.78 0.44 0.00	38.98 0.42 0.00	32.83 0.33 0.00	31.09 0.46 0.00
ENORWICH_115KV_TB1 80156	30.19 1.40 -0.19	28.09 1.43 -0.18	26.98 1.33 -0.13	26.57 1.28 -0.10	27.98 1.32 -0.22	32.97 1.92 -0.58	47.96 2.95 -1.57	52.78 3.36 -2.02	41.93 2.09 -1.17	31.62 1.28 -0.50	29.06 0.89 -0.31	27.06 0.78 -0.17	26.67 0.80 -0.13	28.06 0.86 -0.24	28.31 0.71 -0.29	29.53 0.93 -0.29	35.51 1.32 -0.34	47.89 2.07 -0.77	62.43 3.66 -2.43	62.48 4.24 -2.50	48.94 2.93 -1.68	41.66 2.31 -0.79	34.99 1.85 -0.63	32.54 1.47 -0.44
ERIE_ST__34_KV_TB1-2 80199	27.74 -1.03 -0.17	25.88 -0.77 -0.16	24.87 -0.77 -0.12	24.59 -0.68 -0.09	25.79 -0.85 -0.19	30.38 -0.61 -0.51	42.75 -2.08 -1.40	47.16 -2.04 -1.81	38.29 -1.43 -1.05	29.92 -0.36 -0.44	27.67 -0.47 -0.28	26.18 -0.08 -0.15	25.86 0.00 -0.12	27.36 0.19 -0.21	27.68 0.11 -0.26	28.00 -0.57 -0.26	33.20 -0.95 -0.31	43.61 -2.12 -0.69	55.97 -2.54 -2.16	55.74 -2.23 -2.23	43.48 -2.35 -1.50	37.10 -2.16 -0.70	32.06 -1.01 -0.56	30.47 -0.55 -0.39
ERIE_WT_PWR 323693	27.88 -0.89 -0.17	26.04 -0.61 -0.16	25.38 -0.26 -0.12	24.84 -0.43 -0.09	25.92 -0.71 -0.19	30.50 -0.49 -0.51	42.92 -1.91 -1.40	47.29 -1.90 -1.80	38.36 -1.35 -1.05	29.98 -0.30 -0.44	27.72 -0.42 -0.28	26.20 -0.05 -0.15	25.91 0.05 -0.12	27.38 0.21 -0.21	27.73 0.16 -0.26	28.03 -0.54 -0.26	33.24 -0.91 -0.31	44.11 -1.62 -0.69	55.92 -2.59 -2.16	55.68 -2.29 -2.22	43.57 -2.26 -1.50	37.49 -1.77 -0.70	32.29 -0.78 -0.56	30.59 -0.43 -0.39
ESPRGFLD_115KV_TB1 80157	30.02 1.37 -0.05	27.83 1.30 -0.05	26.75 1.20 -0.03	26.36 1.16 -0.03	27.71 1.22 -0.05	32.20 1.58 -0.15	46.31 2.48 -0.40	50.36 2.46 -0.51	40.28 1.31 -0.30	30.50 0.54 -0.13	28.19 0.25 -0.08	26.28 0.13 -0.04	25.93 0.15 -0.03	27.20 0.19 -0.06	27.52 0.14 -0.07	28.83 0.45 -0.07	34.74 0.81 -0.09	47.08 1.85 -0.20	60.17 3.21 -0.61	59.77 3.40 -0.63	47.38 2.62 -0.42	40.92 2.16 -0.20	34.42 1.76 -0.16	32.24 1.50 -0.11
ETNA_115_KV_TB1_REV_LBMP_C 345029	29.05 0.20 -0.25	26.98 0.26 -0.24	25.92 0.23 -0.17	25.51 0.20 -0.13	26.94 0.21 -0.28	31.62 0.40 -0.75	46.01 0.52 -2.05	50.69 0.66 -2.64	40.63 0.43 -1.53	30.82 0.33 -0.65	28.44 0.17 -0.41	26.48 0.16 -0.22	26.12 0.21 -0.18	27.54 0.27 -0.31	27.91 0.22 -0.38	28.88 0.20 -0.38	34.56 0.27 -0.45	46.36 0.32 -1.01	60.30 0.79 -3.17	60.00 1.00 -3.26	47.15 0.62 -2.19	39.97 0.39 -1.03	33.75 0.42 -0.83	31.57 0.37 -0.57
ETNA____115KV_TB2 80207	29.05 0.20 -0.25	26.98 0.26 -0.24	25.92 0.23 -0.17	25.51 0.20 -0.13	26.94 0.21 -0.28	31.62 0.40 -0.75	46.01 0.52 -2.05	50.69 0.66 -2.64	40.63 0.43 -1.53	30.82 0.33 -0.65	28.44 0.17 -0.41	26.48 0.16 -0.22	26.12 0.21 -0.18	27.54 0.27 -0.31	27.91 0.22 -0.38	28.88 0.20 -0.38	34.56 0.27 -0.45	46.36 0.32 -1.01	60.30 0.79 -3.17	60.00 1.00 -3.26	47.15 0.62 -2.19	39.97 0.39 -1.03	33.75 0.42 -0.83	31.57 0.37 -0.57
EUCLID__115KV_TB2 356179	28.46 -0.37 -0.24	26.39 -0.32 -0.22	25.35 -0.33 -0.17	24.98 -0.33 -0.12	26.37 -0.34 -0.27	30.85 -0.34 -0.71	44.81 -0.56 -1.94	49.37 -0.52 -2.51	39.74 -0.39 -1.45	30.19 -0.27 -0.62	27.94 -0.31 -0.39	26.03 -0.29 -0.21	25.65 -0.26 -0.17	27.01 -0.24 -0.30	27.40 -0.27 -0.36	28.38 -0.28 -0.36	33.90 -0.37 -0.42	45.37 -0.63 -0.96	58.73 -0.62 -3.00	58.33 -0.50 -3.09	45.93 -0.49 -2.08	39.03 -0.50 -0.97	32.96 -0.33 -0.78	30.87 -0.31 -0.54
E_CANADA_CAP_HY 24051	30.37 1.77 0.00	28.12 1.64 0.00	27.10 1.58 0.00	26.69 1.51 0.00	28.08 1.64 0.00	32.55 2.07 0.00	46.70 3.26 0.00	50.47 3.08 0.00	39.99 1.32 0.00	30.02 0.18 0.00	27.63 -0.22 0.00	25.72 -0.39 0.00	25.35 -0.39 0.00	26.58 -0.38 0.00	26.90 -0.41 0.00	28.34 0.03 0.00	34.42 0.57 0.00	47.16 2.12 0.00	60.40 4.06 0.00	59.87 4.12 0.00	47.62 3.28 0.00	41.34 2.78 0.00	34.72 2.21 0.00	32.59 1.96 0.00
E_CANADA_MHWK_HY 24050	28.17 -0.43 0.00	26.17 -0.32 0.00	25.16 -0.36 0.00	24.85 -0.33 0.00	26.13 -0.32 0.00	30.20 -0.27 0.00	43.09 -0.35 0.00	46.96 -0.43 0.00	38.17 -0.50 0.00	29.45 -0.39 0.00	27.55 -0.31 0.00	25.85 -0.26 0.00	25.51 -0.23 0.00	26.71 -0.24 0.00	27.01 -0.30 0.00	28.17 -0.14 0.00	33.71 -0.13 0.00	44.77 -0.27 0.00	56.18 -0.17 0.00	55.58 -0.17 0.00	44.03 -0.31 0.00	38.44 -0.12 0.00	32.34 -0.16 0.00	30.42 -0.21 0.00
E_FISHKILL__LBMP 23776	29.40 0.80 0.00	27.20 0.72 0.00	26.15 0.64 0.00	25.79 0.60 0.00	27.02 0.58 0.00	31.05 0.58 0.00	44.22 0.78 0.00	48.10 0.71 0.00	39.64 0.97 0.00	30.67 0.84 0.00	28.81 0.95 0.00	26.97 0.86 0.00	26.61 0.88 0.00	28.01 1.05 0.00	28.45 1.15 0.00	29.58 1.27 0.00	35.23 1.39 0.00	46.71 1.67 0.00	57.98 1.63 0.00	57.19 1.45 0.00	45.71 1.37 0.00	39.95 1.39 0.00	33.64 1.14 0.00	31.58 0.95 0.00
FALCON__SEABRD_CC1 323796	29.54 0.94 0.00	27.54 1.06 0.00	26.61 1.10 0.00	26.34 1.16 0.00	27.71 1.27 0.00	32.09 1.61 0.00	46.17 2.74 0.00	50.42 3.04 0.00	40.80 2.13 0.00	31.48 1.64 0.00	29.39 1.53 0.00	27.67 1.57 0.00	27.15 1.41 0.00	28.20 1.24 0.00	28.59 1.28 0.00	29.55 1.24 0.00	35.47 1.62 0.00	47.47 2.43 0.00	59.67 3.32 0.00	58.92 3.18 0.00	46.77 2.44 0.00	40.45 1.89 0.00	33.90 1.40 0.00	31.76 1.13 0.00
FALCON__SEABRD_CC2 323797	29.54 0.94 0.00	27.54 1.06 0.00	26.61 1.10 0.00	26.34 1.16 0.00	27.71 1.27 0.00	32.09 1.61 0.00	46.17 2.74 0.00	50.42 3.04 0.00	40.80 2.13 0.00	31.48 1.64 0.00	29.39 1.53 0.00	27.67 1.57 0.00	27.15 1.41 0.00	28.20 1.24 0.00	28.59 1.28 0.00	29.55 1.24 0.00	35.47 1.62 0.00	47.47 2.43 0.00	59.67 3.32 0.00	58.92 3.18 0.00	46.77 2.44 0.00	40.45 1.89 0.00	33.90 1.40 0.00	31.76 1.13 0.00



FAR ROCKAWAY___4 23548	29.59 1.00 0.01	27.32 0.85 0.01	26.25 0.74 0.01	25.85 0.68 0.01	27.07 0.63 0.01	31.14 0.67 0.01	44.34 0.91 0.01	48.41 1.37 0.35	39.94 1.28 0.01	30.94 1.10 0.01	29.22 1.37 0.00	27.34 1.23 0.00	26.97 1.24 0.01	28.52 1.56 0.00	29.19 1.88 0.00	30.43 2.12 0.00	36.32 2.47 0.00	47.42 2.39 0.01	58.99 2.65 0.01	58.19 2.45 0.01	46.41 2.08 0.01	41.49 2.93 0.00	34.42 1.92 0.00	32.19 1.56 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	29.65 1.06 0.00	27.44 0.95 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.18 0.74 0.00	31.23 0.76 0.00	44.44 1.00 0.00	48.38 1.00 0.00	40.10 1.43 0.00	31.12 1.28 0.00	29.22 1.37 0.00	27.41 1.31 0.00	27.10 1.36 0.00	28.52 1.56 0.00	28.97 1.67 0.00	30.12 1.81 0.00	35.78 1.93 0.00	47.25 2.21 0.00	58.65 2.31 0.00	57.75 2.01 0.00	46.15 1.82 0.00	40.41 1.85 0.00	34.03 1.53 0.00	31.89 1.26 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	29.65 1.06 0.00	27.44 0.95 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.18 0.74 0.00	31.23 0.76 0.00	44.44 1.00 0.00	48.38 1.00 0.00	40.10 1.43 0.00	31.12 1.28 0.00	29.22 1.37 0.00	27.41 1.31 0.00	27.10 1.36 0.00	28.52 1.56 0.00	29.00 1.69 0.00	30.12 1.81 0.00	35.81 1.96 0.00	47.25 2.21 0.00	58.65 2.31 0.00	57.81 2.06 0.00	46.15 1.82 0.00	40.41 1.85 0.00	34.03 1.53 0.00	31.89 1.26 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	29.62 1.03 0.00	27.44 0.95 0.00	26.36 0.84 0.00	25.99 0.81 0.00	27.18 0.74 0.00	31.20 0.73 0.00	44.44 1.00 0.00	48.38 1.00 0.00	40.10 1.43 0.00	31.12 1.28 0.00	29.22 1.37 0.00	27.41 1.31 0.00	27.08 1.34 0.00	28.52 1.56 0.00	28.97 1.67 0.00	30.09 1.78 0.00	35.78 1.93 0.00	47.25 2.21 0.00	58.60 2.25 0.00	57.75 2.01 0.00	46.11 1.77 0.00	40.37 1.81 0.00	34.03 1.53 0.00	31.86 1.23 0.00
FARRAGUT___LBMP 323566	29.62 1.03 0.00	27.41 0.93 0.00	26.36 0.84 0.00	25.96 0.78 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.39 0.96 0.00	48.34 0.95 0.00	40.07 1.39 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.39 1.28 0.00	27.05 1.31 0.00	28.49 1.54 0.00	28.95 1.64 0.00	30.09 1.78 0.00	35.74 1.90 0.00	47.20 2.16 0.00	58.54 2.20 0.00	57.69 1.95 0.00	46.11 1.77 0.00	40.37 1.81 0.00	34.00 1.50 0.00	31.86 1.23 0.00
FENNER___WINDPWR 24204	29.35 0.57 -0.19	27.24 0.58 -0.18	26.21 0.56 -0.13	25.81 0.53 -0.10	27.21 0.56 -0.21	31.80 0.76 -0.56	46.23 1.26 -1.53	50.83 1.47 -1.97	40.78 0.97 -1.14	30.95 0.63 -0.49	28.61 0.44 -0.31	26.66 0.39 -0.16	26.26 0.39 -0.13	27.59 0.40 -0.23	27.95 0.35 -0.28	29.04 0.45 -0.28	34.75 0.57 -0.33	46.69 0.90 -0.75	60.23 1.52 -2.37	59.91 1.73 -2.43	47.17 1.20 -1.64	40.29 0.96 -0.77	33.87 0.75 -0.62	31.64 0.58 -0.43
FIBERTEK___ENERGY 23856	28.82 -0.14 -0.37	26.72 -0.11 -0.35	25.67 -0.10 -0.26	25.25 -0.13 -0.19	26.75 -0.11 -0.42	31.52 -0.06 -1.11	46.37 -0.09 -3.02	51.28 0.00 -3.90	40.93 0.00 -2.26	30.80 0.00 -0.96	28.38 -0.08 -0.60	26.35 -0.08 -0.32	25.95 -0.05 -0.26	27.39 -0.03 -0.46	27.81 -0.05 -0.56	28.81 -0.06 -0.55	34.40 -0.10 -0.66	46.35 -0.18 -1.49	61.02 0.00 -4.67	60.72 0.17 -4.81	47.57 0.00 -3.23	39.96 -0.12 -1.51	33.69 -0.03 -1.22	31.42 -0.06 -0.85
FITZPATRICK___ 23598	25.80 -0.80 1.99	23.90 -0.71 1.87	23.47 -0.66 1.38	23.46 -0.68 1.04	23.47 -0.74 2.23	23.74 -0.79 5.94	26.07 -1.17 16.20	25.28 -1.23 20.88	25.57 -1.01 12.10	23.92 -0.78 5.14	23.87 -0.75 3.24	23.71 -0.68 1.72	23.68 -0.67 1.39	23.80 -0.67 2.48	23.59 -0.71 3.00	24.60 -0.74 2.97	29.40 -0.91 3.53	35.80 -1.26 7.98	29.84 -1.47 25.04	28.59 -1.39 25.76	25.83 -1.20 17.31	29.40 -1.04 8.12	25.13 -0.85 6.53	25.30 -0.80 4.53
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	29.62 1.03 0.00	27.41 0.93 0.00	26.36 0.84 0.00	25.99 0.81 0.00	27.24 0.79 0.00	31.39 0.91 0.00	44.74 1.30 0.00	48.71 1.33 0.00	39.95 1.28 0.00	30.82 0.98 0.00	28.89 1.03 0.00	27.05 0.94 0.00	26.69 0.95 0.00	28.09 1.13 0.00	28.56 1.26 0.00	29.70 1.39 0.00	35.40 1.56 0.00	47.16 2.12 0.00	58.65 2.31 0.00	57.86 2.12 0.00	46.24 1.91 0.00	40.33 1.77 0.00	33.97 1.46 0.00	31.89 1.26 0.00
FORT ORANGE___ 23900	28.88 0.29 0.00	26.64 0.16 0.00	25.67 0.15 0.00	25.48 0.30 0.00	26.79 0.34 0.00	30.59 0.12 0.00	43.39 -0.04 0.00	47.34 -0.05 0.00	38.67 0.00 0.00	29.78 -0.06 0.00	27.86 0.00 0.00	26.03 -0.08 0.00	25.69 -0.05 0.00	26.93 -0.03 0.00	27.31 0.00 0.00	28.45 0.14 0.00	34.05 0.20 0.00	45.27 0.23 0.00	56.51 0.17 0.00	55.74 0.00 0.00	44.56 0.22 0.00	38.90 0.35 0.00	32.76 0.26 0.00	30.91 0.28 0.00
FORT_DRUM_COGEN 23780	29.74 0.89 -0.26	27.63 0.90 -0.24	26.51 0.82 -0.18	26.12 0.81 -0.14	27.53 0.79 -0.29	32.47 1.22 -0.77	47.72 2.17 -2.11	52.67 2.56 -2.72	41.61 1.35 -1.58	31.19 0.69 -0.67	28.70 0.42 -0.42	26.62 0.29 -0.22	26.18 0.26 -0.18	27.49 0.22 -0.32	27.75 0.05 -0.39	28.89 0.20 -0.39	34.71 0.41 -0.46	46.98 0.90 -1.04	61.75 2.14 -3.27	61.56 2.45 -3.36	48.19 1.60 -2.26	40.89 1.27 -1.06	34.23 0.88 -0.85	31.77 0.55 -0.59
FOX_HILLS___ESR 323835	29.80 1.20 0.00	27.54 1.06 0.00	26.43 0.92 0.00	26.04 0.86 0.00	27.26 0.82 0.00	31.08 0.61 0.00	43.86 0.43 0.01	47.66 0.28 0.01	39.49 0.81 0.00	30.73 0.90 0.00	28.86 1.00 0.00	27.07 0.97 0.00	26.77 1.03 0.00	28.17 1.21 0.00	28.65 1.34 0.00	29.78 1.47 0.00	35.34 1.49 0.00	46.56 1.53 0.01	57.80 1.46 0.01	56.96 1.23 0.01	45.53 1.20 0.01	40.02 1.47 0.00	33.90 1.40 0.00	31.86 1.23 0.00
FPL_FAR_ROCK_GT1 24212	29.59 1.00 0.01	27.30 0.82 0.01	26.17 0.66 0.01	25.83 0.65 0.01	27.07 0.63 0.01	31.14 0.67 0.01	44.30 0.87 0.01	48.41 1.38 0.35	39.94 1.27 0.01	30.94 1.10 0.01	29.20 1.34 0.00	27.34 1.23 0.00	26.97 1.24 0.01	28.52 1.56 0.00	29.17 1.86 0.00	30.43 2.12 0.00	36.32 2.47 0.00	47.33 2.30 0.01	58.99 2.65 0.01	58.19 2.45 0.01	46.42 2.08 0.01	41.45 2.89 0.00	34.32 1.82 0.00	32.19 1.56 0.00
FPL_FAR_ROCK_GT2 23815	29.59 1.00 0.01	27.30 0.82 0.01	26.17 0.66 0.01	25.83 0.65 0.01	27.07 0.63 0.01	31.14 0.67 0.01	44.30 0.87 0.01	48.41 1.38 0.35	39.94 1.27 0.01	30.94 1.10 0.01	29.20 1.34 0.00	27.34 1.23 0.00	26.97 1.24 0.01	28.52 1.56 0.00	29.17 1.86 0.00	30.43 2.12 0.00	36.32 2.47 0.00	47.33 2.30 0.01	58.99 2.65 0.01	58.19 2.45 0.01	46.42 2.08 0.01	41.45 2.89 0.00	34.32 1.82 0.00	32.19 1.56 0.00
FRANKLIN_FALL_HYD 24054	29.31 0.71 0.00	27.28 0.79 0.00	26.33 0.82 0.00	26.06 0.88 0.00	27.40 0.95 0.00	31.72 1.25 0.00	45.69 2.26 0.00	49.90 2.51 0.00	40.30 1.62 0.00	31.03 1.19 0.00	28.97 1.11 0.00	27.26 1.15 0.00	26.74 1.00 0.00	27.74 0.78 0.00	28.13 0.82 0.00	29.07 0.76 0.00	34.90 1.05 0.00	46.75 1.71 0.00	58.77 2.42 0.00	58.03 2.29 0.00	46.07 1.73 0.00	39.91 1.35 0.00	33.51 1.01 0.00	31.43 0.80 0.00



FREEPORT_EQUS_GT1 23764	29.25 0.66 0.01	26.98 0.50 0.01	25.87 0.36 0.01	25.53 0.35 0.01	26.73 0.29 0.01	30.71 0.24 0.01	43.69 0.26 0.01	47.24 0.61 0.76	39.36 0.70 0.01	30.52 0.69 0.01	28.81 0.95 0.00	26.97 0.86 0.00	26.61 0.88 0.01	28.14 1.18 0.00	28.78 1.47 0.00	30.04 1.73 0.00	35.81 1.96 0.00	46.61 1.58 0.01	58.03 1.69 0.01	57.24 1.51 0.01	45.71 1.38 0.01	40.87 2.31 0.00	33.90 1.40 0.00	31.79 1.16 0.00
FREEPORT___CT2 23818	29.25 0.66 0.01	26.98 0.50 0.01	25.87 0.36 0.01	25.53 0.35 0.01	26.73 0.29 0.01	30.71 0.24 0.01	43.69 0.26 0.01	47.24 0.61 0.76	39.36 0.70 0.01	30.52 0.69 0.01	28.81 0.95 0.00	26.97 0.86 0.00	26.61 0.88 0.01	28.14 1.18 0.00	28.78 1.47 0.00	30.04 1.73 0.00	35.81 1.96 0.00	46.61 1.58 0.01	58.03 1.69 0.01	57.24 1.51 0.01	45.71 1.38 0.01	40.87 2.31 0.00	33.90 1.40 0.00	31.79 1.16 0.00
FRESHKLS_33_KV_LOAD 356253	29.85 1.26 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.08 0.61 0.00	43.78 0.35 0.01	47.57 0.19 0.01	39.49 0.81 0.00	30.70 0.87 0.00	28.83 0.98 0.00	27.05 0.94 0.00	26.74 1.00 0.00	28.17 1.21 0.00	28.65 1.34 0.00	29.78 1.47 0.00	35.37 1.52 0.00	46.47 1.44 0.01	57.69 1.35 0.01	56.85 1.11 0.01	45.44 1.11 0.01	40.06 1.50 0.00	33.97 1.46 0.00	31.89 1.26 0.00
FULTON COGEN____ 23766	28.50 -0.31 -0.22	26.43 -0.26 -0.21	25.42 -0.26 -0.15	25.02 -0.28 -0.12	26.43 -0.26 -0.25	30.89 -0.24 -0.66	44.90 -0.35 -1.81	49.39 -0.33 -2.33	39.75 -0.27 -1.35	30.23 -0.18 -0.57	27.97 -0.25 -0.36	26.06 -0.23 -0.19	25.69 -0.21 -0.16	27.04 -0.19 -0.28	27.43 -0.22 -0.34	28.41 -0.23 -0.33	33.94 -0.30 -0.39	45.48 -0.45 -0.89	58.75 -0.39 -2.80	58.40 -0.22 -2.88	46.01 -0.27 -1.93	39.12 -0.35 -0.91	33.01 -0.23 -0.73	30.89 -0.25 -0.51
FULTON___LFGE 323630	30.28 1.69 0.00	28.02 1.54 0.00	27.00 1.48 0.00	26.62 1.43 0.00	28.00 1.56 0.00	32.39 1.92 0.00	46.52 3.08 0.00	50.28 2.89 0.00	39.83 1.16 0.00	29.87 0.03 0.00	27.44 -0.42 0.00	25.46 -0.65 0.00	25.07 -0.67 0.00	26.31 -0.65 0.00	26.65 -0.66 0.00	28.17 -0.14 0.00	34.28 0.44 0.00	47.07 2.03 0.00	60.18 3.83 0.00	59.59 3.84 0.00	47.39 3.06 0.00	41.18 2.62 0.00	34.55 2.05 0.00	32.47 1.84 0.00
G.F.CEMENT___DRP 24184	30.17 1.57 0.00	27.86 1.38 0.00	26.89 1.38 0.00	26.49 1.31 0.00	27.90 1.45 0.00	32.12 1.65 0.00	46.04 2.61 0.00	49.99 2.61 0.00	40.37 1.70 0.00	30.70 0.87 0.00	28.53 0.67 0.00	26.60 0.50 0.00	26.20 0.46 0.00	27.49 0.54 0.00	27.80 0.49 0.00	29.13 0.82 0.00	35.06 1.22 0.00	47.29 2.25 0.00	59.50 3.16 0.00	58.75 3.01 0.00	46.86 2.53 0.00	40.76 2.20 0.00	34.26 1.76 0.00	32.25 1.62 0.00
GARDENVILLE___LBMP 24039	27.80 -0.97 -0.17	25.90 -0.74 -0.16	24.92 -0.71 -0.12	24.64 -0.63 -0.09	25.82 -0.82 -0.20	30.41 -0.58 -0.52	42.64 -2.22 -1.42	47.04 -2.18 -1.83	38.19 -1.55 -1.06	29.81 -0.48 -0.45	27.59 -0.56 -0.28	26.08 -0.18 -0.15	25.78 -0.08 -0.12	27.23 0.05 -0.22	27.57 0.00 -0.26	27.89 -0.68 -0.26	33.07 -1.08 -0.31	43.40 -2.34 -0.70	55.72 -2.82 -2.19	55.49 -2.51 -2.26	43.33 -2.53 -1.52	37.00 -2.27 -0.71	32.00 -1.07 -0.57	30.48 -0.55 -0.40
GARDNVLA_35_KV_LD 355827	27.94 -0.83 -0.17	26.03 -0.61 -0.16	25.05 -0.59 -0.12	24.79 -0.48 -0.09	25.97 -0.66 -0.19	30.56 -0.43 -0.51	42.92 -1.91 -1.39	47.34 -1.85 -1.80	38.48 -1.24 -1.04	30.07 -0.21 -0.44	27.80 -0.33 -0.28	26.31 0.05 -0.15	26.01 0.15 -0.12	27.47 0.30 -0.21	27.81 0.25 -0.26	28.11 -0.45 -0.26	33.37 -0.78 -0.30	43.79 -1.94 -0.69	56.13 -2.37 -2.16	55.90 -2.06 -2.22	43.66 -2.17 -1.49	37.29 -1.97 -0.70	32.29 -0.78 -0.56	30.68 -0.34 -0.39
GELCKHM___115KV_LOAD 80723	28.60 -0.29 -0.29	26.51 -0.24 -0.27	25.49 -0.23 -0.20	25.08 -0.25 -0.15	26.50 -0.26 -0.32	31.08 -0.24 -0.85	45.42 -0.35 -2.33	50.06 -0.33 -3.01	40.18 -0.23 -1.74	30.43 -0.15 -0.74	28.10 -0.22 -0.47	26.15 -0.21 -0.25	25.76 -0.18 -0.20	27.15 -0.16 -0.36	27.55 -0.19 -0.43	28.54 -0.20 -0.43	34.08 -0.27 -0.51	45.74 -0.45 -1.15	59.55 -0.39 -3.60	59.23 -0.22 -3.71	46.52 -0.31 -2.49	39.38 -0.35 -1.17	33.22 -0.23 -0.94	31.07 -0.21 -0.65
GENERAL___MILLS 23808	27.88 -0.89 -0.17	25.98 -0.66 -0.16	25.00 -0.64 -0.12	24.72 -0.55 -0.09	25.90 -0.74 -0.19	30.47 -0.52 -0.51	42.75 -2.08 -1.40	47.15 -2.04 -1.80	38.33 -1.39 -1.05	29.95 -0.33 -0.44	27.69 -0.45 -0.28	26.20 -0.05 -0.15	25.91 0.05 -0.12	27.36 0.19 -0.21	27.70 0.14 -0.26	28.00 -0.57 -0.26	33.20 -0.95 -0.31	43.57 -2.16 -0.69	55.86 -2.65 -2.16	55.63 -2.34 -2.22	43.48 -2.35 -1.50	37.14 -2.12 -0.70	32.16 -0.91 -0.56	30.59 -0.43 -0.39
GE_PLASTICS___DRP 24183	28.94 0.34 0.00	26.72 0.24 0.00	25.77 0.26 0.00	25.48 0.30 0.00	26.79 0.34 0.00	30.66 0.18 0.00	43.57 0.13 0.00	47.53 0.14 0.00	38.83 0.15 0.00	29.90 0.06 0.00	27.97 0.11 0.00	26.16 0.05 0.00	25.79 0.05 0.00	27.06 0.11 0.00	27.42 0.11 0.00	28.56 0.25 0.00	34.15 0.30 0.00	45.49 0.45 0.00	56.68 0.34 0.00	55.97 0.22 0.00	44.69 0.35 0.00	39.02 0.46 0.00	32.86 0.36 0.00	30.97 0.34 0.00
GILBOA___1 23756	29.08 0.49 0.00	26.88 0.40 0.00	25.85 0.33 0.00	25.53 0.35 0.00	26.79 0.34 0.00	30.81 0.34 0.00	43.87 0.43 0.00	47.81 0.43 0.00	39.17 0.50 0.00	30.22 0.39 0.00	28.30 0.44 0.00	26.50 0.39 0.00	26.15 0.41 0.00	27.44 0.49 0.00	27.83 0.52 0.00	28.93 0.62 0.00	34.52 0.68 0.00	45.85 0.81 0.00	57.07 0.73 0.00	56.36 0.61 0.00	45.04 0.71 0.00	39.25 0.69 0.00	33.09 0.59 0.00	31.15 0.52 0.00
GILBOA___2 23757	29.08 0.49 0.00	26.88 0.40 0.00	25.85 0.33 0.00	25.53 0.35 0.00	26.79 0.34 0.00	30.81 0.34 0.00	43.87 0.43 0.00	47.81 0.43 0.00	39.17 0.50 0.00	30.22 0.39 0.00	28.30 0.44 0.00	26.50 0.39 0.00	26.15 0.41 0.00	27.44 0.49 0.00	27.83 0.52 0.00	28.93 0.62 0.00	34.52 0.68 0.00	45.85 0.81 0.00	57.07 0.73 0.00	56.36 0.61 0.00	45.04 0.71 0.00	39.25 0.69 0.00	33.09 0.59 0.00	31.15 0.52 0.00
GILBOA___3 23758	29.08 0.49 0.00	26.88 0.40 0.00	25.85 0.33 0.00	25.53 0.35 0.00	26.79 0.34 0.00	30.81 0.34 0.00	43.87 0.43 0.00	47.81 0.43 0.00	39.17 0.50 0.00	30.22 0.39 0.00	28.30 0.44 0.00	26.50 0.39 0.00	26.15 0.41 0.00	27.44 0.49 0.00	27.83 0.52 0.00	28.93 0.62 0.00	34.52 0.68 0.00	45.85 0.81 0.00	57.07 0.73 0.00	56.36 0.61 0.00	45.04 0.71 0.00	39.25 0.69 0.00	33.09 0.59 0.00	31.15 0.52 0.00
GILBOA___4 23759	29.08 0.49 0.00	26.88 0.40 0.00	25.85 0.33 0.00	25.53 0.35 0.00	26.79 0.34 0.00	30.81 0.34 0.00	43.87 0.43 0.00	47.81 0.43 0.00	39.17 0.50 0.00	30.22 0.39 0.00	28.30 0.44 0.00	26.50 0.39 0.00	26.15 0.41 0.00	27.44 0.49 0.00	27.83 0.52 0.00	28.93 0.62 0.00	34.52 0.68 0.00	45.85 0.81 0.00	57.07 0.73 0.00	56.36 0.61 0.00	45.04 0.71 0.00	39.25 0.69 0.00	33.09 0.59 0.00	31.15 0.52 0.00



GILBOA____ 23599	29.08 0.49 0.00	26.88 0.40 0.00	25.90 0.38 0.00	25.53 0.35 0.00	26.81 0.37 0.00	30.81 0.34 0.00	43.91 0.48 0.00	47.81 0.43 0.00	39.18 0.50 0.00	30.23 0.39 0.00	28.30 0.45 0.00	26.50 0.39 0.00	26.15 0.41 0.00	27.44 0.49 0.00	27.83 0.52 0.00	28.93 0.62 0.00	34.52 0.68 0.00	45.90 0.86 0.00	57.08 0.73 0.00	56.36 0.61 0.00	45.05 0.71 0.00	39.25 0.69 0.00	33.09 0.59 0.00	31.15 0.52 0.00
GINNA____ 23603	27.06 -1.71 -0.18	25.06 -1.59 -0.16	24.34 -1.30 -0.12	23.86 -1.41 -0.09	25.05 -1.59 -0.20	29.41 -1.59 -0.52	42.26 -2.61 -1.43	46.77 -2.47 -1.84	37.77 -1.97 -1.07	28.92 -1.37 -0.45	26.75 -1.39 -0.29	25.16 -1.10 -0.15	24.83 -1.03 -0.12	26.18 -1.00 -0.22	26.45 -1.12 -0.27	27.10 -1.47 -0.26	32.40 -1.76 -0.31	43.04 -2.70 -0.70	55.18 -3.38 -2.21	55.06 -2.96 -2.28	43.03 -2.84 -1.53	36.88 -2.39 -0.72	31.43 -1.66 -0.58	29.50 -1.53 -0.40
GLEN PARK____ 23778	29.87 1.00 -0.27	27.77 1.03 -0.26	26.65 0.94 -0.19	26.23 0.91 -0.14	27.65 0.90 -0.31	32.66 1.37 -0.81	48.04 2.39 -2.21	53.09 2.84 -2.85	41.83 1.51 -1.65	31.29 0.75 -0.70	28.77 0.47 -0.44	26.68 0.34 -0.23	26.21 0.28 -0.19	27.54 0.24 -0.34	27.80 0.08 -0.41	28.97 0.25 -0.41	34.80 0.47 -0.48	47.26 1.13 -1.09	62.24 2.48 -3.42	62.11 2.84 -3.52	48.57 1.86 -2.37	41.21 1.54 -1.11	34.47 1.07 -0.89	31.96 0.71 -0.62
GLENDALE_27_KV_LOAD 356172	29.80 1.20 0.00	27.57 1.09 0.00	26.49 0.97 0.00	26.09 0.91 0.00	27.29 0.85 0.00	31.23 0.76 0.00	44.34 0.91 0.01	48.28 0.90 0.01	40.03 1.35 0.00	31.15 1.31 0.00	29.25 1.39 0.00	27.47 1.36 0.00	27.13 1.39 0.00	28.55 1.59 0.00	29.03 1.72 0.00	30.15 1.84 0.00	35.74 1.90 0.00	47.15 2.12 0.01	58.53 2.20 0.01	57.69 1.95 0.01	46.06 1.73 0.01	40.33 1.77 0.00	34.10 1.59 0.00	31.98 1.35 0.00
GLENWOOD_IC_1_G5 23712	29.48 0.89 0.00	27.25 0.77 0.00	26.18 0.66 0.00	25.81 0.63 0.00	26.99 0.56 0.00	31.02 0.55 0.00	44.21 0.78 0.00	47.88 0.95 0.46	39.79 1.12 0.00	30.82 0.98 0.00	29.06 1.20 0.00	27.23 1.12 0.00	26.87 1.13 0.00	28.36 1.40 0.00	28.92 1.61 0.00	30.09 1.78 0.00	35.84 2.00 0.00	47.11 2.07 0.00	58.09 1.75 0.00	57.24 1.51 0.00	46.06 1.73 0.00	40.72 2.16 0.00	34.00 1.50 0.00	31.86 1.23 0.00
GLENWOOD_IC_2_G1 23688	29.51 0.91 0.00	27.25 0.77 0.00	26.15 0.64 0.00	25.81 0.63 0.00	27.05 0.61 0.00	31.08 0.61 0.00	44.22 0.78 0.00	48.30 0.90 -0.02	39.83 1.16 0.00	30.81 0.98 0.01	29.03 1.17 0.00	27.20 1.10 0.00	26.83 1.11 0.01	28.33 1.37 0.00	28.84 1.53 0.00	30.01 1.70 0.00	35.71 1.86 0.00	46.93 1.89 0.00	58.37 2.03 0.00	57.53 1.78 0.00	46.02 1.68 0.00	40.49 1.93 0.00	33.90 1.40 0.00	31.82 1.19 0.00
GLENWOOD_IC_3_G1 23689	29.51 0.91 0.00	27.25 0.77 0.00	26.15 0.64 0.00	25.81 0.63 0.00	27.05 0.61 0.00	31.08 0.61 0.00	44.22 0.78 0.00	48.30 0.90 -0.02	39.83 1.16 0.00	30.81 0.98 0.01	29.03 1.17 0.00	27.20 1.10 0.00	26.83 1.11 0.01	28.33 1.37 0.00	28.84 1.53 0.00	30.01 1.70 0.00	35.71 1.86 0.00	46.93 1.89 0.00	58.37 2.03 0.00	57.53 1.78 0.00	46.02 1.68 0.00	40.49 1.93 0.00	33.90 1.40 0.00	31.82 1.19 0.00
GLENWOOD____4 23550	29.48 0.89 0.00	27.25 0.77 0.00	26.18 0.66 0.00	25.81 0.63 0.00	26.99 0.56 0.00	31.02 0.55 0.00	44.21 0.78 0.00	47.88 0.95 0.46	39.79 1.12 0.00	30.82 0.98 0.00	29.06 1.20 0.00	27.23 1.12 0.00	26.87 1.13 0.00	28.36 1.40 0.00	28.92 1.61 0.00	30.09 1.78 0.00	35.84 2.00 0.00	47.11 2.07 0.00	58.20 1.86 0.00	57.41 1.67 0.00	46.06 1.73 0.00	40.72 2.16 0.00	34.00 1.50 0.00	31.86 1.23 0.00
GLENWOOD____5 23614	29.48 0.89 0.00	27.25 0.77 0.00	26.18 0.66 0.00	25.81 0.63 0.00	26.99 0.56 0.00	31.02 0.55 0.00	44.21 0.78 0.00	47.88 0.95 0.46	39.79 1.12 0.00	30.82 0.98 0.00	29.06 1.20 0.00	27.23 1.12 0.00	26.87 1.13 0.00	28.36 1.40 0.00	28.92 1.61 0.00	30.09 1.78 0.00	35.84 2.00 0.00	47.11 2.07 0.00	58.20 1.86 0.00	57.41 1.67 0.00	46.06 1.73 0.00	40.72 2.16 0.00	34.00 1.50 0.00	31.86 1.23 0.00
GLOBAL GREEN_PORT_GT1 23814	28.53 -0.06 0.01	26.32 -0.16 0.01	25.20 -0.31 0.01	24.87 -0.30 0.01	26.09 -0.34 0.01	27.56 -0.43 2.48	34.28 -1.00 8.16	45.44 -0.71 1.24	31.31 -0.23 7.13	29.68 -0.15 0.01	28.08 0.22 0.00	26.17 0.18 0.12	25.87 0.26 0.13	27.71 0.75 0.00	28.59 1.28 0.00	30.06 1.76 0.00	36.18 2.33 0.00	47.15 2.12 0.01	58.76 2.42 0.01	58.08 2.34 0.01	46.37 2.04 0.01	41.83 3.28 0.00	34.36 1.85 0.00	32.22 1.59 0.00
GLOBE____DSASP 323697	27.73 -1.03 -0.17	25.82 -0.82 -0.16	24.84 -0.79 -0.12	24.56 -0.71 -0.09	25.71 -0.93 -0.19	30.15 -0.82 -0.50	41.25 -3.56 -1.38	45.51 -3.65 -1.77	37.15 -2.55 -1.03	29.05 -1.22 -0.44	26.91 -1.23 -0.27	25.47 -0.78 -0.15	25.16 -0.69 -0.12	26.57 -0.59 -0.21	26.88 -0.68 -0.26	27.12 -1.44 -0.25	32.12 -2.03 -0.30	41.89 -3.83 -0.68	53.62 -4.85 -2.13	53.47 -4.46 -2.19	41.91 -3.90 -1.47	35.93 -3.32 -0.69	31.27 -1.79 -0.55	30.46 -0.55 -0.38
GOETHSLN____LBMP 323567	29.48 0.89 0.00	27.28 0.79 0.00	26.21 0.69 0.00	25.84 0.65 0.00	27.02 0.58 0.00	31.05 0.58 0.00	44.13 0.69 0.00	48.05 0.66 0.00	39.91 1.24 0.00	30.97 1.13 0.00	29.11 1.25 0.00	27.31 1.20 0.00	26.97 1.24 0.00	28.38 1.43 0.00	28.86 1.56 0.00	29.98 1.67 0.00	35.64 1.79 0.00	46.98 1.94 0.00	58.26 1.92 0.00	57.42 1.67 0.00	45.84 1.51 0.00	40.18 1.62 0.00	33.87 1.37 0.00	31.70 1.07 0.00
GOLAH____69_KV_TB 1_2 80279	28.39 -0.37 -0.17	26.32 -0.32 -0.16	25.35 -0.28 -0.12	25.02 -0.25 -0.09	26.26 -0.37 -0.19	30.88 -0.09 -0.50	43.90 -0.91 -1.37	48.54 -0.62 -1.77	39.31 -0.39 -1.03	30.24 -0.03 -0.44	27.97 -0.17 -0.27	26.36 0.10 -0.15	26.04 0.18 -0.12	27.44 0.27 -0.21	27.70 0.14 -0.25	28.25 -0.31 -0.25	33.71 -0.44 -0.30	44.41 -1.31 -0.68	57.11 -1.35 -2.12	57.04 -0.89 -2.18	44.56 -1.24 -1.47	38.13 -1.12 -0.69	32.77 -0.29 -0.55	30.98 -0.03 -0.38
GOODYEAR_LAKE_HYD 323669	29.56 0.89 -0.08	27.41 0.85 -0.08	26.34 0.77 -0.06	25.95 0.73 -0.04	27.25 0.71 -0.09	31.70 0.98 -0.25	45.59 1.48 -0.68	49.78 1.52 -0.87	40.18 1.01 -0.51	30.71 0.66 -0.21	28.52 0.53 -0.14	26.62 0.44 -0.07	26.26 0.46 -0.06	27.60 0.54 -0.10	27.95 0.52 -0.13	29.11 0.68 -0.12	34.84 0.85 -0.15	46.72 1.35 -0.33	59.42 2.03 -1.05	58.94 2.12 -1.08	46.74 1.68 -0.72	40.32 1.43 -0.34	33.95 1.17 -0.27	31.80 0.98 -0.19
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	28.76 -0.03 -0.19	26.72 0.05 -0.18	25.68 0.03 -0.13	25.28 0.00 -0.10	26.63 -0.03 -0.22	31.14 0.09 -0.58	44.92 -0.09 -1.57	49.32 -0.09 -2.02	39.81 -0.04 -1.17	30.45 0.12 -0.50	28.23 0.06 -0.31	26.41 0.13 -0.17	26.03 0.15 -0.13	27.47 0.27 -0.24	27.82 0.22 -0.29	28.68 0.08 -0.29	34.22 0.03 -0.34	45.63 -0.18 -0.77	58.71 -0.06 -2.43	58.30 0.06 -2.50	45.97 -0.04 -1.68	39.19 -0.15 -0.79	33.20 0.07 -0.63	31.16 0.09 -0.44



GOUDEY___7 23579	28.76 -0.03 -0.19	26.72 0.05 -0.18	25.68 0.03 -0.13	25.28 0.00 -0.10	26.63 -0.03 -0.22	31.14 0.09 -0.58	44.92 -0.09 -1.57	49.32 -0.09 -2.02	39.81 -0.04 -1.17	30.45 0.12 -0.50	28.23 0.06 -0.31	26.41 0.13 -0.17	26.03 0.15 -0.13	27.47 0.27 -0.24	27.82 0.22 -0.29	28.68 0.08 -0.29	34.22 0.03 -0.34	45.63 -0.18 -0.77	58.71 -0.06 -2.43	58.30 0.06 -2.50	45.97 -0.04 -1.68	39.19 -0.15 -0.79	33.20 0.07 -0.63	31.16 0.09 -0.44
GOUDEY___8 23580	28.76 -0.03 -0.19	26.72 0.05 -0.18	25.68 0.03 -0.13	25.28 0.00 -0.10	26.63 -0.03 -0.22	31.14 0.09 -0.58	44.92 -0.09 -1.57	49.32 -0.09 -2.02	39.81 -0.04 -1.17	30.45 0.12 -0.50	28.23 0.06 -0.31	26.41 0.13 -0.17	26.03 0.15 -0.13	27.47 0.27 -0.24	27.82 0.22 -0.29	28.68 0.08 -0.29	34.22 0.03 -0.34	45.63 -0.18 -0.77	58.71 -0.06 -2.43	58.30 0.06 -2.50	45.97 -0.04 -1.68	39.19 -0.15 -0.79	33.20 0.07 -0.63	31.16 0.09 -0.44
GOWANUS_GT1_1 24077	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT1_2 24078	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT1_3 24079	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT1_4 24080	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT1_5 24084	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT1_6 24111	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT1_7 24112	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT1_8 24113	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT2_1 24114	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT2_2 24115	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT2_3 24116	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT2_4 24117	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT2_5 24118	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00



GOWANUS_GT2_6 24119	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT2_7 24120	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT2_8 24121	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT3_1 24122	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT3_2 24123	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT3_3 24124	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT3_4 24125	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT3_5 24126	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT3_6 24127	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT3_7 24128	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT3_8 24129	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT4_1 24130	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT4_2 24131	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT4_3 24132	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT4_4 24133	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00



GOWANUS_GT4_5 24134	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT4_6 24135	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT4_7 24136	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GOWANUS_GT4_8 24137	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GREATVR_69_KV_BK1 356245	29.42 0.83 0.01	27.14 0.66 0.01	26.07 0.56 0.01	25.68 0.50 0.01	26.89 0.45 0.01	29.92 0.58 1.13	43.84 0.61 0.21	46.57 0.38 1.20	39.46 0.97 0.18	30.73 0.90 0.01	29.03 1.17 0.00	27.12 1.07 0.06	26.76 1.08 0.06	28.36 1.40 0.00	29.08 1.78 0.00	30.38 2.07 0.00	36.38 2.54 0.00	47.33 2.30 0.01	58.76 2.42 0.01	58.02 2.29 0.01	46.28 1.95 0.01	41.72 3.16 0.00	34.39 1.89 0.00	32.16 1.53 0.00
GREENBSH_115KV_TB3 55895	28.85 0.26 0.00	26.64 0.16 0.00	25.70 0.18 0.00	25.46 0.28 0.00	26.76 0.32 0.00	30.53 0.06 0.00	43.35 -0.09 0.00	47.29 -0.09 0.00	38.63 -0.04 0.00	29.78 -0.06 0.00	27.86 0.00 0.00	26.03 -0.08 0.00	25.69 -0.05 0.00	26.93 -0.03 0.00	27.31 0.00 0.00	28.45 0.14 0.00	34.02 0.17 0.00	45.31 0.27 0.00	56.46 0.11 0.00	55.69 -0.06 0.00	44.51 0.18 0.00	38.91 0.35 0.00	32.77 0.26 0.00	30.88 0.25 0.00
GREENDGE_115KV_TB5 80291	28.64 -0.17 -0.22	26.63 -0.05 -0.20	25.62 -0.05 -0.15	25.24 -0.05 -0.11	26.61 -0.08 -0.24	31.34 0.21 -0.65	44.90 -0.30 -1.77	49.58 -0.09 -2.28	39.88 -0.12 -1.32	30.64 0.24 -0.56	28.21 0.00 -0.35	26.43 0.13 -0.19	26.10 0.21 -0.15	27.52 0.30 -0.27	27.83 0.19 -0.33	28.58 -0.06 -0.33	34.13 -0.10 -0.39	45.24 -0.68 -0.87	58.74 -0.34 -2.74	58.50 -0.06 -2.82	45.74 -0.49 -1.89	38.75 -0.69 -0.89	33.15 -0.07 -0.71	31.16 0.03 -0.50
GREENIDGE___3 23582	28.64 -0.17 -0.22	26.63 -0.05 -0.20	25.62 -0.05 -0.15	25.24 -0.05 -0.11	26.61 -0.08 -0.24	31.34 0.21 -0.65	44.90 -0.30 -1.77	49.58 -0.09 -2.28	39.88 -0.12 -1.32	30.64 0.24 -0.56	28.21 0.00 -0.35	26.43 0.13 -0.19	26.10 0.21 -0.15	27.52 0.30 -0.27	27.83 0.19 -0.33	28.58 -0.06 -0.33	34.13 -0.10 -0.39	45.24 -0.68 -0.87	58.74 -0.34 -2.74	58.50 -0.06 -2.82	45.74 -0.49 -1.89	38.75 -0.69 -0.89	33.15 -0.07 -0.71	31.16 0.03 -0.50
GREENIDGE___4 23583	28.64 -0.17 -0.22	26.66 -0.03 -0.20	25.77 0.10 -0.15	25.29 0.00 -0.11	26.61 -0.08 -0.24	31.34 0.21 -0.65	44.99 -0.22 -1.77	49.62 -0.05 -2.28	39.88 -0.12 -1.32	30.64 0.24 -0.56	28.21 0.00 -0.35	26.43 0.13 -0.19	26.10 0.20 -0.15	27.52 0.30 -0.27	27.85 0.22 -0.33	28.58 -0.06 -0.33	34.13 -0.10 -0.39	45.46 -0.45 -0.87	58.75 -0.34 -2.74	58.50 -0.06 -2.82	45.79 -0.44 -1.89	39.22 -0.23 -0.89	33.22 0.00 -0.71	31.16 0.03 -0.50
GREENLWN_69_KV_BK 3 55738	28.73 0.14 0.01	26.53 0.05 0.01	25.48 -0.03 0.01	25.10 -0.08 0.01	26.28 -0.16 0.01	30.36 -0.43 -0.32	43.14 -0.56 -0.26	45.84 -0.33 1.21	38.83 -0.08 -0.23	30.04 0.21 0.01	28.39 0.53 0.00	26.54 0.42 -0.02	26.16 0.41 -0.01	27.71 0.75 0.00	28.40 1.09 0.00	29.61 1.30 0.00	35.37 1.52 0.00	45.71 0.68 0.01	56.73 0.39 0.01	55.96 0.22 0.01	44.68 0.35 0.01	40.41 1.85 0.00	33.48 0.98 0.00	31.30 0.67 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
GRISSOM___SOLAR 323813	30.17 1.57 0.00	27.88 1.40 0.00	26.89 1.38 0.00	26.49 1.31 0.00	27.90 1.45 0.00	32.24 1.77 0.00	46.26 2.82 0.00	50.04 2.65 0.00	39.72 1.04 0.00	29.81 -0.03 0.00	27.38 -0.47 0.00	25.40 -0.70 0.00	24.99 -0.75 0.00	26.23 -0.73 0.00	26.60 -0.71 0.00	28.11 -0.20 0.00	34.22 0.37 0.00	46.93 1.89 0.00	59.84 3.49 0.00	59.26 3.51 0.00	47.18 2.84 0.00	40.95 2.39 0.00	34.42 1.92 0.00	32.34 1.71 0.00
GROVEVILLE___HYD 323602	29.62 1.03 0.00	27.41 0.93 0.00	26.36 0.84 0.00	25.99 0.81 0.00	27.24 0.79 0.00	31.39 0.91 0.00	44.74 1.30 0.00	48.71 1.33 0.00	39.95 1.28 0.00	30.82 0.98 0.00	28.89 1.03 0.00	27.05 0.94 0.00	26.69 0.95 0.00	28.09 1.13 0.00	28.56 1.26 0.00	29.70 1.39 0.00	35.40 1.56 0.00	47.16 2.12 0.00	58.65 2.31 0.00	57.86 2.12 0.00	46.24 1.91 0.00	40.33 1.77 0.00	33.97 1.46 0.00	31.89 1.26 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	28.82 -0.14 -0.37	26.72 -0.11 -0.35	25.67 -0.10 -0.26	25.25 -0.13 -0.19	26.75 -0.11 -0.42	31.52 -0.06 -1.11	46.37 -0.09 -3.02	51.28 0.00 -3.90	40.93 0.00 -2.26	30.80 0.00 -0.96	28.38 -0.08 -0.60	26.35 -0.08 -0.32	25.95 -0.05 -0.26	27.39 -0.03 -0.46	27.81 -0.05 -0.56	28.81 -0.06 -0.55	34.40 -0.10 -0.66	46.35 -0.18 -1.49	61.02 0.00 -4.67	60.72 0.17 -4.81	47.57 0.00 -3.23	39.96 -0.12 -1.51	33.69 -0.03 -1.22	31.42 -0.06 -0.85
HAMLTNNY_34_KV_TB 80303	28.77 -0.20 -0.38	26.70 -0.13 -0.35	25.65 -0.13 -0.26	25.23 -0.15 -0.20	26.71 -0.16 -0.42	31.54 -0.06 -1.13	46.33 -0.17 -3.07	51.30 -0.05 -3.96	40.93 -0.04 -2.29	30.81 0.00 -0.97	28.36 -0.11 -0.61	26.38 -0.05 -0.33	25.98 -0.03 -0.26	27.43 0.00 -0.47	27.85 -0.03 -0.57	28.79 -0.08 -0.56	34.41 -0.10 -0.67	46.28 -0.27 -1.51	60.98 -0.11 -4.75	60.74 0.11 -4.88	47.53 -0.09 -3.28	39.90 -0.19 -1.54	33.68 -0.07 -1.24	31.43 -0.06 -0.86



HAMPSHIRE___PAPER_HYD 323593	29.31 0.60 -0.11	27.22 0.63 -0.11	26.18 0.59 -0.08	25.84 0.60 -0.06	27.18 0.61 -0.13	31.70 0.88 -0.34	45.98 1.61 -0.93	50.44 1.85 -1.20	40.34 0.97 -0.70	30.67 0.54 -0.30	28.43 0.39 -0.19	26.57 0.37 -0.10	26.10 0.28 -0.08	27.26 0.16 -0.14	27.59 0.11 -0.17	28.51 0.03 -0.17	34.22 0.17 -0.20	45.95 0.45 -0.46	58.85 1.07 -1.44	58.28 1.06 -1.48	45.95 0.62 -1.00	39.64 0.62 -0.47	33.34 0.45 -0.38	31.20 0.31 -0.26
HARDSCRABBLE_WT_PWR 323673	28.22 -0.37 0.00	26.22 -0.26 0.00	25.24 -0.28 0.00	24.93 -0.25 0.00	26.20 -0.24 0.00	30.26 -0.21 0.00	43.22 -0.22 0.00	47.06 -0.33 0.00	38.29 -0.39 0.00	29.54 -0.30 0.00	27.67 -0.19 0.00	25.93 -0.18 0.00	25.61 -0.13 0.00	26.82 -0.13 0.00	27.12 -0.19 0.00	28.25 -0.06 0.00	33.81 -0.03 0.00	44.95 -0.09 0.00	56.34 0.00 0.00	55.74 0.00 0.00	44.16 -0.18 0.00	38.52 -0.04 0.00	32.44 -0.06 0.00	30.48 -0.15 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	29.51 0.92 0.00	27.30 0.82 0.00	26.23 0.71 0.00	25.86 0.68 0.00	27.08 0.63 0.00	31.20 0.73 0.00	44.48 1.04 0.00	48.38 1.00 0.00	39.79 1.12 0.00	30.76 0.92 0.00	28.83 0.98 0.00	27.02 0.91 0.00	26.69 0.95 0.00	28.09 1.13 0.00	28.54 1.23 0.00	29.67 1.36 0.00	35.34 1.49 0.00	46.98 1.94 0.00	58.43 2.08 0.00	57.58 1.84 0.00	46.02 1.68 0.00	40.14 1.58 0.00	33.84 1.33 0.00	31.73 1.10 0.00
HARSNRAD_115KV_TB1 81005	27.68 -1.09 -0.17	25.77 -0.87 -0.16	24.79 -0.84 -0.12	24.51 -0.76 -0.09	25.66 -0.98 -0.19	30.16 -0.82 -0.51	42.17 -2.65 -1.38	46.56 -2.61 -1.78	37.89 -1.82 -1.03	29.59 -0.69 -0.44	27.38 -0.75 -0.28	25.92 -0.34 -0.15	25.60 -0.26 -0.12	27.03 -0.13 -0.21	27.35 -0.22 -0.26	27.63 -0.93 -0.25	32.76 -1.39 -0.30	42.84 -2.88 -0.68	54.88 -3.61 -2.14	54.77 -3.18 -2.20	42.80 -3.01 -1.48	36.67 -2.58 -0.69	31.83 -1.24 -0.56	30.41 -0.61 -0.39
HARZA MOOSE___RIVER 24016	29.39 0.69 -0.11	27.25 0.66 -0.10	26.20 0.61 -0.08	25.84 0.60 -0.06	27.17 0.61 -0.12	31.68 0.88 -0.32	45.84 1.52 -0.88	50.23 1.71 -1.14	40.30 0.97 -0.66	30.65 0.54 -0.28	28.40 0.36 -0.18	26.49 0.29 -0.09	26.10 0.28 -0.08	27.33 0.24 -0.14	27.64 0.16 -0.16	28.75 0.28 -0.16	34.48 0.44 -0.19	46.29 0.81 -0.43	59.29 1.58 -1.36	58.71 1.56 -1.40	46.21 0.93 -0.94	39.73 0.73 -0.44	33.35 0.49 -0.36	31.18 0.31 -0.25
HDSNBRDG_115KV_BRDG_TB1 355580	28.57 -0.29 -0.26	26.49 -0.24 -0.24	25.47 -0.23 -0.18	25.06 -0.25 -0.13	26.47 -0.26 -0.29	31.00 -0.24 -0.77	45.10 -0.43 -2.10	49.71 -0.38 -2.70	39.97 -0.27 -1.57	30.35 -0.15 -0.67	28.06 -0.22 -0.42	26.15 -0.18 -0.22	25.76 -0.15 -0.18	27.14 -0.13 -0.32	27.53 -0.16 -0.39	28.52 -0.17 -0.38	34.03 -0.27 -0.46	45.58 -0.50 -1.03	59.14 -0.45 -3.24	58.75 -0.33 -3.34	46.22 -0.35 -2.24	39.22 -0.39 -1.05	33.12 -0.23 -0.85	31.00 -0.21 -0.59
HELLGATE_13_KV_LD 55870	29.80 1.20 0.00	27.54 1.06 0.00	26.49 0.97 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.20 0.73 0.00	44.30 0.87 0.01	48.23 0.85 0.01	39.99 1.31 0.00	31.15 1.31 0.00	29.25 1.39 0.00	27.44 1.33 0.00	27.13 1.39 0.00	28.55 1.59 0.00	29.03 1.72 0.00	30.15 1.84 0.00	35.71 1.86 0.00	47.10 2.07 0.01	58.48 2.14 0.01	57.63 1.90 0.01	46.01 1.68 0.01	40.29 1.74 0.00	34.10 1.59 0.00	31.95 1.32 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	29.80 1.20 0.00	27.54 1.06 0.00	26.49 0.97 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.20 0.73 0.00	44.30 0.87 0.01	48.23 0.85 0.01	39.99 1.31 0.00	31.15 1.31 0.00	29.25 1.39 0.00	27.44 1.33 0.00	27.13 1.39 0.00	28.55 1.59 0.00	29.03 1.72 0.00	30.15 1.84 0.00	35.71 1.86 0.00	47.10 2.07 0.01	58.48 2.14 0.01	57.63 1.90 0.01	46.01 1.68 0.01	40.29 1.74 0.00	34.10 1.59 0.00	31.95 1.32 0.00
HEMPSTEAD____ 23647	29.16 0.57 0.01	26.90 0.42 0.01	25.82 0.31 0.01	25.45 0.28 0.01	26.68 0.24 0.01	30.65 0.18 0.01	43.61 0.17 0.01	47.18 0.47 0.68	39.28 0.62 0.01	30.43 0.60 0.01	28.72 0.86 0.00	26.92 0.81 0.00	26.56 0.82 0.01	28.06 1.11 0.00	28.65 1.34 0.00	29.89 1.58 0.00	35.60 1.76 0.00	46.38 1.35 0.01	57.69 1.35 0.01	56.91 1.17 0.01	45.53 1.20 0.01	40.56 2.00 0.00	33.74 1.23 0.00	31.64 1.01 0.00
HICKLING___1 23621	28.94 0.14 -0.20	26.96 0.29 -0.19	25.91 0.26 -0.14	25.51 0.23 -0.11	26.91 0.24 -0.23	31.66 0.58 -0.61	45.53 0.43 -1.66	50.10 0.57 -2.14	40.34 0.43 -1.24	30.96 0.60 -0.53	28.55 0.36 -0.33	26.75 0.47 -0.18	26.42 0.54 -0.14	27.88 0.67 -0.25	28.19 0.57 -0.31	28.47 -0.14 -0.30	33.90 -0.30 -0.36	45.09 -0.77 -0.82	58.29 -0.62 -2.57	58.05 -0.33 -2.64	45.49 -0.62 -1.78	38.58 -0.81 -0.83	32.91 -0.26 -0.67	31.00 -0.09 -0.46
HICKLING___2 23622	28.94 0.14 -0.20	26.96 0.29 -0.19	25.91 0.26 -0.14	25.51 0.23 -0.11	26.91 0.24 -0.23	31.66 0.58 -0.61	45.53 0.43 -1.66	50.10 0.57 -2.14	40.34 0.43 -1.24	30.96 0.60 -0.53	28.55 0.36 -0.33	26.75 0.47 -0.18	26.42 0.54 -0.14	27.88 0.67 -0.25	28.19 0.57 -0.31	28.47 -0.14 -0.30	33.90 -0.30 -0.36	45.09 -0.77 -0.82	58.29 -0.62 -2.57	58.05 -0.33 -2.64	45.49 -0.62 -1.78	38.58 -0.81 -0.83	32.91 -0.26 -0.67	31.00 -0.09 -0.46
HIGH FALLS___HY 23754	29.68 1.09 0.00	27.51 1.03 0.00	26.41 0.89 0.00	26.01 0.83 0.00	27.21 0.77 0.00	31.48 1.01 0.00	44.96 1.52 0.00	48.95 1.56 0.00	40.14 1.47 0.00	30.97 1.13 0.00	29.00 1.14 0.00	27.18 1.07 0.00	26.85 1.11 0.00	28.25 1.29 0.00	28.73 1.42 0.00	29.87 1.56 0.00	35.61 1.76 0.00	47.38 2.34 0.00	58.99 2.65 0.00	58.25 2.51 0.00	46.51 2.17 0.00	40.49 1.93 0.00	34.13 1.63 0.00	32.01 1.38 0.00
HIGH_RIVER___SOLAR 323847	30.00 1.40 0.00	27.75 1.27 0.00	26.74 1.22 0.00	26.36 1.18 0.00	27.74 1.30 0.00	32.03 1.55 0.00	45.91 2.47 0.00	49.62 2.23 0.00	39.37 0.70 0.00	29.51 -0.33 0.00	27.05 -0.81 0.00	25.06 -1.05 0.00	24.71 -1.03 0.00	25.90 -1.05 0.00	26.30 -1.01 0.00	27.83 -0.48 0.00	33.95 0.10 0.00	46.57 1.53 0.00	59.44 3.10 0.00	58.81 3.06 0.00	46.82 2.48 0.00	40.68 2.12 0.00	34.19 1.69 0.00	32.16 1.53 0.00
HILLBURN___GT 23639	29.51 0.91 0.00	27.30 0.82 0.00	26.18 0.66 0.00	25.83 0.65 0.00	27.08 0.63 0.00	31.17 0.70 0.00	44.39 0.95 0.00	48.29 0.90 0.00	39.80 1.12 0.00	30.85 1.02 0.00	28.94 1.09 0.00	27.13 1.02 0.00	26.79 1.06 0.00	28.20 1.24 0.00	28.65 1.34 0.00	29.78 1.47 0.00	35.40 1.56 0.00	46.84 1.80 0.00	58.37 2.03 0.00	57.53 1.78 0.00	45.93 1.59 0.00	40.14 1.58 0.00	33.81 1.30 0.00	31.70 1.07 0.00
HILLSIDE_115KV_TB1 80332	28.31 -0.49 -0.20	26.35 -0.32 -0.19	25.30 -0.36 -0.14	24.93 -0.35 -0.10	26.25 -0.42 -0.23	30.83 -0.24 -0.60	44.21 -0.87 -1.64	48.60 -0.90 -2.11	39.20 -0.70 -1.22	30.12 -0.24 -0.52	27.85 -0.33 -0.33	26.15 -0.13 -0.17	25.80 -0.08 -0.14	27.26 0.05 -0.25	27.58 -0.03 -0.30	28.24 -0.37 -0.30	33.59 -0.61 -0.36	44.68 -1.17 -0.81	57.69 -1.18 -2.53	57.34 -1.00 -2.60	45.02 -1.06 -1.75	38.26 -1.12 -0.82	32.61 -0.55 -0.66	30.72 -0.37 -0.46



HISHELDN_WT_PWR 323625	27.77 -1.00 -0.18	25.94 -0.71 -0.17	25.26 -0.38 -0.12	24.74 -0.53 -0.09	25.88 -0.77 -0.20	30.43 -0.58 -0.53	42.93 -1.95 -1.45	47.22 -2.04 -1.87	38.25 -1.51 -1.09	29.70 -0.60 -0.46	27.45 -0.70 -0.29	25.92 -0.34 -0.15	25.63 -0.23 -0.12	27.10 -0.08 -0.22	27.41 -0.16 -0.27	27.81 -0.76 -0.27	33.05 -1.12 -0.32	43.95 -1.80 -0.72	55.94 -2.65 -2.25	55.71 -2.34 -2.31	43.58 -2.31 -1.55	37.40 -1.89 -0.73	32.05 -1.04 -0.59	30.33 -0.70 -0.41
HOLTSVILLE_IC_1 23690	28.84 0.26 0.01	26.63 0.16 0.01	25.53 0.03 0.01	25.17 0.00 0.01	26.38 -0.05 0.01	27.89 -0.09 2.49	41.13 -0.22 2.09	46.10 -0.05 1.24	37.20 0.35 1.82	30.16 0.33 0.01	28.44 0.59 0.00	26.51 0.52 0.12	26.15 0.54 0.13	27.84 0.89 0.00	28.54 1.23 0.00	29.86 1.56 0.00	35.67 1.83 0.00	46.25 1.22 0.01	57.52 1.19 0.01	56.74 1.00 0.01	45.35 1.02 0.01	40.91 2.35 0.00	33.71 1.20 0.00	31.58 0.95 0.00
HOLTSVILLE_IC_10 23699	28.96 0.37 0.01	26.74 0.26 0.01	25.61 0.10 0.01	25.25 0.08 0.01	26.49 0.05 0.01	28.11 0.03 2.39	43.17 -0.04 0.22	46.30 0.14 1.23	38.98 0.50 0.19	30.28 0.45 0.01	28.58 0.72 0.00	26.61 0.63 0.12	26.26 0.64 0.13	27.98 1.02 0.00	28.67 1.36 0.00	29.98 1.67 0.00	35.88 2.03 0.00	46.52 1.48 0.01	57.86 1.52 0.01	57.13 1.39 0.01	45.62 1.29 0.01	41.14 2.58 0.00	33.87 1.36 0.00	31.70 1.07 0.00
HOLTSVILLE_IC_2 23691	28.84 0.26 0.01	26.63 0.16 0.01	25.53 0.03 0.01	25.17 0.00 0.01	26.38 -0.05 0.01	27.89 -0.09 2.49	41.13 -0.22 2.09	46.10 -0.05 1.24	37.20 0.35 1.82	30.16 0.33 0.01	28.44 0.59 0.00	26.51 0.52 0.12	26.15 0.54 0.13	27.84 0.89 0.00	28.54 1.23 0.00	29.86 1.56 0.00	35.67 1.83 0.00	46.25 1.22 0.01	57.52 1.19 0.01	56.74 1.00 0.01	45.35 1.02 0.01	40.91 2.35 0.00	33.71 1.20 0.00	31.58 0.95 0.00
HOLTSVILLE_IC_3 23692	28.84 0.26 0.01	26.63 0.16 0.01	25.53 0.03 0.01	25.17 0.00 0.01	26.38 -0.05 0.01	27.89 -0.09 2.49	41.13 -0.22 2.09	46.10 -0.05 1.24	37.20 0.35 1.82	30.16 0.33 0.01	28.44 0.59 0.00	26.51 0.52 0.12	26.15 0.54 0.13	27.84 0.89 0.00	28.54 1.23 0.00	29.86 1.56 0.00	35.67 1.83 0.00	46.25 1.22 0.01	57.52 1.19 0.01	56.74 1.00 0.01	45.35 1.02 0.01	40.91 2.35 0.00	33.71 1.20 0.00	31.58 0.95 0.00
HOLTSVILLE_IC_4 23693	28.84 0.26 0.01	26.63 0.16 0.01	25.53 0.03 0.01	25.17 0.00 0.01	26.38 -0.05 0.01	27.89 -0.09 2.49	41.13 -0.22 2.09	46.10 -0.05 1.24	37.20 0.35 1.82	30.16 0.33 0.01	28.44 0.59 0.00	26.51 0.52 0.12	26.15 0.54 0.13	27.84 0.89 0.00	28.54 1.23 0.00	29.86 1.56 0.00	35.67 1.83 0.00	46.25 1.22 0.01	57.52 1.19 0.01	56.74 1.00 0.01	45.35 1.02 0.01	40.91 2.35 0.00	33.71 1.20 0.00	31.58 0.95 0.00
HOLTSVILLE_IC_5 23694	28.84 0.26 0.01	26.63 0.16 0.01	25.53 0.03 0.01	25.17 0.00 0.01	26.38 -0.05 0.01	27.89 -0.09 2.49	41.13 -0.22 2.09	46.10 -0.05 1.24	37.20 0.35 1.82	30.16 0.33 0.01	28.44 0.59 0.00	26.51 0.52 0.12	26.15 0.54 0.13	27.84 0.89 0.00	28.54 1.23 0.00	29.86 1.56 0.00	35.67 1.83 0.00	46.25 1.22 0.01	57.52 1.19 0.01	56.74 1.00 0.01	45.35 1.02 0.01	40.91 2.35 0.00	33.71 1.20 0.00	31.58 0.95 0.00
HOLTSVILLE_IC_6 23695	28.96 0.37 0.01	26.74 0.26 0.01	25.61 0.10 0.01	25.25 0.08 0.01	26.49 0.05 0.01	28.11 0.03 2.39	43.17 -0.04 0.22	46.30 0.14 1.23	38.98 0.50 0.19	30.28 0.45 0.01	28.58 0.72 0.00	26.61 0.63 0.12	26.26 0.64 0.13	27.98 1.02 0.00	28.67 1.36 0.00	29.98 1.67 0.00	35.88 2.03 0.00	46.52 1.48 0.01	57.86 1.52 0.01	57.13 1.39 0.01	45.62 1.29 0.01	41.14 2.58 0.00	33.87 1.36 0.00	31.70 1.07 0.00
HOLTSVILLE_IC_7 23696	28.96 0.37 0.01	26.74 0.26 0.01	25.61 0.10 0.01	25.25 0.08 0.01	26.49 0.05 0.01	28.11 0.03 2.39	43.17 -0.04 0.22	46.30 0.14 1.23	38.98 0.50 0.19	30.28 0.45 0.01	28.58 0.72 0.00	26.61 0.63 0.12	26.26 0.64 0.13	27.98 1.02 0.00	28.67 1.36 0.00	29.98 1.67 0.00	35.88 2.03 0.00	46.52 1.48 0.01	57.86 1.52 0.01	57.13 1.39 0.01	45.62 1.29 0.01	41.14 2.58 0.00	33.87 1.36 0.00	31.70 1.07 0.00
HOLTSVILLE_IC_8 23697	28.96 0.37 0.01	26.74 0.26 0.01	25.61 0.10 0.01	25.25 0.08 0.01	26.49 0.05 0.01	28.11 0.03 2.39	43.17 -0.04 0.22	46.30 0.14 1.23	38.98 0.50 0.19	30.28 0.45 0.01	28.58 0.72 0.00	26.61 0.63 0.12	26.26 0.64 0.13	27.98 1.02 0.00	28.67 1.36 0.00	29.98 1.67 0.00	35.88 2.03 0.00	46.52 1.48 0.01	57.86 1.52 0.01	57.13 1.39 0.01	45.62 1.29 0.01	41.14 2.58 0.00	33.87 1.36 0.00	31.70 1.07 0.00
HOLTSVILLE_IC_9 23698	28.96 0.37 0.01	26.74 0.26 0.01	25.61 0.10 0.01	25.25 0.08 0.01	26.49 0.05 0.01	28.11 0.03 2.39	43.17 -0.04 0.22	46.30 0.14 1.23	38.98 0.50 0.19	30.28 0.45 0.01	28.58 0.72 0.00	26.61 0.63 0.12	26.26 0.64 0.13	27.98 1.02 0.00	28.67 1.36 0.00	29.98 1.67 0.00	35.88 2.03 0.00	46.52 1.48 0.01	57.86 1.52 0.01	57.13 1.39 0.01	45.62 1.29 0.01	41.14 2.58 0.00	33.87 1.36 0.00	31.70 1.07 0.00
HOMER_HL_115KV_TB2 355744	27.63 -1.14 -0.17	25.80 -0.85 -0.16	24.74 -0.89 -0.12	24.44 -0.83 -0.09	25.66 -0.98 -0.20	30.23 -0.76 -0.52	42.94 -1.91 -1.42	47.18 -2.04 -1.83	38.15 -1.59 -1.06	29.81 -0.48 -0.45	27.59 -0.56 -0.28	26.08 -0.18 -0.15	25.76 -0.10 -0.12	27.28 0.11 -0.22	27.57 0.00 -0.26	27.92 -0.65 -0.26	33.11 -1.05 -0.31	43.58 -2.16 -0.70	56.00 -2.54 -2.19	55.71 -2.29 -2.25	43.59 -2.26 -1.52	36.99 -2.27 -0.71	31.87 -1.20 -0.57	30.20 -0.83 -0.40
HOWARD_WT_PWR 323690	28.22 -0.57 -0.20	26.35 -0.32 -0.19	25.58 -0.08 -0.14	25.08 -0.20 -0.10	26.32 -0.34 -0.22	31.01 -0.06 -0.60	44.28 -0.78 -1.63	48.73 -0.76 -2.10	39.23 -0.66 -1.22	30.21 -0.15 -0.52	27.79 -0.39 -0.33	26.12 -0.16 -0.17	25.83 -0.05 -0.14	27.29 0.08 -0.25	27.61 0.00 -0.30	28.21 -0.40 -0.30	33.59 -0.61 -0.36	44.94 -0.90 -0.80	57.73 -1.13 -2.52	57.38 -0.95 -2.59	44.75 -1.33 -1.74	38.14 -1.24 -0.82	32.38 -0.78 -0.66	30.44 -0.64 -0.46
HQ_GEN_CEDARS 23644	28.91 0.31 0.00	26.85 0.37 0.00	25.87 0.36 0.00	25.56 0.38 0.00	26.84 0.40 0.00	30.99 0.52 0.00	44.44 1.00 0.00	48.43 1.04 0.00	39.29 0.62 0.00	30.26 0.42 0.00	28.25 0.39 0.00	26.53 0.42 0.00	26.07 0.33 0.00	27.14 0.19 0.00	27.50 0.19 0.00	28.37 0.06 0.00	34.02 0.17 0.00	45.40 0.36 0.00	56.91 0.56 0.00	56.30 0.56 0.00	44.78 0.44 0.00	38.91 0.35 0.00	32.77 0.26 0.00	30.91 0.28 0.00
HQ_GEN_CEDARS_PROXY 323590	28.91 0.32 0.00	26.85 0.37 0.00	25.87 0.36 0.00	25.56 0.38 0.00	26.84 0.40 0.00	30.99 0.52 0.00	44.44 1.00 0.00	48.43 1.04 0.00	39.29 0.62 0.00	30.26 0.42 0.00	28.25 0.39 0.00	26.52 0.42 0.00	26.07 0.33 0.00	27.15 0.19 0.00	27.50 0.19 0.00	28.37 0.06 0.00	34.02 0.17 0.00	45.40 0.36 0.00	56.91 0.56 0.00	56.30 0.56 0.00	44.78 0.44 0.00	38.90 0.35 0.00	32.76 0.26 0.00	30.91 0.28 0.00



HQ_GEN_IMPORT 323601	28.71 0.11 0.00	26.61 0.13 0.00	25.64 0.13 0.00	25.31 0.13 0.00	26.58 0.13 0.00	30.66 0.18 0.00	43.74 0.31 0.00	47.72 0.33 0.00	38.91 0.23 0.00	30.02 0.18 0.00	28.03 0.17 0.00	26.29 0.18 0.00	25.89 0.16 0.00	27.04 0.08 0.00	27.42 0.11 0.00	28.34 0.03 0.00	33.91 0.07 0.00	45.18 0.14 0.00	56.57 0.23 0.00	55.97 0.22 0.00	44.47 0.13 0.00	38.67 0.12 0.00	32.57 0.07 0.00	30.72 0.09 0.00
HQ_GEN_WHEEL 23651	28.71 0.11 0.00	26.61 0.13 0.00	25.64 0.13 0.00	25.31 0.13 0.00	26.58 0.13 0.00	30.66 0.18 0.00	43.74 0.31 0.00	47.72 0.33 0.00	38.91 0.23 0.00	30.02 0.18 0.00	28.03 0.17 0.00	26.29 0.18 0.00	25.89 0.16 0.00	27.04 0.08 0.00	27.42 0.11 0.00	28.34 0.03 0.00	33.91 0.07 0.00	45.18 0.14 0.00	56.57 0.23 0.00	55.97 0.22 0.00	44.47 0.13 0.00	38.67 0.12 0.00	32.57 0.07 0.00	30.72 0.09 0.00
HUDSON AVE_GT_3 23810	29.65 1.06 0.00	27.44 0.95 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.18 0.74 0.00	31.23 0.76 0.00	44.44 1.00 0.00	48.38 1.00 0.00	40.10 1.43 0.00	31.15 1.31 0.00	29.25 1.39 0.00	27.44 1.33 0.00	27.10 1.36 0.00	28.52 1.56 0.00	29.00 1.69 0.00	30.12 1.81 0.00	35.81 1.96 0.00	47.29 2.25 0.00	58.65 2.31 0.00	57.81 2.06 0.00	46.15 1.82 0.00	40.41 1.85 0.00	34.07 1.56 0.00	31.89 1.26 0.00
HUDSON AVE_GT_4 23540	29.65 1.06 0.00	27.44 0.95 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.18 0.74 0.00	31.23 0.76 0.00	44.44 1.00 0.00	48.38 1.00 0.00	40.10 1.43 0.00	31.15 1.31 0.00	29.25 1.39 0.00	27.44 1.33 0.00	27.10 1.36 0.00	28.52 1.56 0.00	29.00 1.69 0.00	30.12 1.81 0.00	35.81 1.96 0.00	47.29 2.25 0.00	58.65 2.31 0.00	57.81 2.06 0.00	46.15 1.82 0.00	40.41 1.85 0.00	34.07 1.56 0.00	31.89 1.26 0.00
HUDSON AVE_GT_5 23657	29.65 1.06 0.00	27.44 0.95 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.18 0.74 0.00	31.23 0.76 0.00	44.44 1.00 0.00	48.38 1.00 0.00	40.10 1.43 0.00	31.15 1.31 0.00	29.25 1.39 0.00	27.44 1.33 0.00	27.10 1.36 0.00	28.52 1.56 0.00	29.00 1.69 0.00	30.12 1.81 0.00	35.81 1.96 0.00	47.29 2.25 0.00	58.65 2.31 0.00	57.81 2.06 0.00	46.15 1.82 0.00	40.41 1.85 0.00	34.07 1.56 0.00	31.89 1.26 0.00
HUDSON_AVE_10 24168	29.60 1.00 0.00	27.38 0.90 0.00	26.31 0.79 0.00	25.94 0.76 0.00	27.13 0.69 0.00	31.17 0.70 0.00	44.39 0.96 0.00	48.29 0.90 0.00	40.10 1.43 0.00	31.12 1.28 0.00	29.17 1.31 0.00	27.36 1.25 0.00	27.03 1.29 0.00	28.46 1.51 0.00	28.92 1.61 0.00	30.06 1.76 0.00	35.74 1.90 0.00	47.16 2.12 0.00	58.49 2.14 0.00	57.64 1.90 0.00	46.02 1.68 0.00	40.33 1.77 0.00	34.00 1.50 0.00	31.83 1.19 0.00
HUDSON___115KV_TB 4 355613	29.71 1.12 0.00	27.49 1.01 0.00	26.51 1.00 0.00	26.21 1.03 0.00	27.55 1.11 0.00	31.72 1.25 0.00	45.30 1.87 0.00	49.33 1.94 0.00	39.68 1.01 0.00	30.17 0.33 0.00	28.05 0.20 0.00	26.19 0.08 0.00	25.82 0.08 0.00	27.09 0.13 0.00	27.50 0.19 0.00	28.76 0.45 0.00	34.62 0.78 0.00	46.75 1.71 0.00	58.82 2.48 0.00	58.03 2.29 0.00	46.33 2.00 0.00	40.29 1.74 0.00	33.94 1.43 0.00	31.95 1.32 0.00
HUNTER MOUNT___DRP 323613	29.60 1.00 0.00	27.38 0.90 0.00	26.41 0.89 0.00	26.14 0.96 0.00	27.47 1.03 0.00	31.60 1.13 0.00	45.17 1.74 0.00	49.14 1.75 0.00	39.52 0.85 0.00	30.05 0.21 0.00	27.94 0.08 0.00	26.06 -0.05 0.00	25.71 -0.03 0.00	26.98 0.03 0.00	27.36 0.05 0.00	28.65 0.34 0.00	34.46 0.61 0.00	46.57 1.53 0.00	58.60 2.25 0.00	57.81 2.06 0.00	46.11 1.77 0.00	40.10 1.54 0.00	33.81 1.30 0.00	31.83 1.19 0.00
HUNTINGTON_RES_REC 323705	28.81 0.23 0.01	26.58 0.11 0.01	25.48 -0.03 0.01	25.12 -0.05 0.01	26.33 -0.11 0.01	25.72 -0.27 0.01	39.30 -0.39 0.01	45.97 -0.19 0.01	35.56 0.16 0.01	30.13 0.30 0.01	28.42 0.56 0.00	26.38 0.49 0.22	26.00 0.49 0.23	27.82 0.86 0.00	28.48 1.17 0.00	29.78 1.47 0.00	35.60 1.76 0.00	45.98 0.95 0.01	57.18 0.85 0.01	56.46 0.72 0.01	45.08 0.75 0.01	40.76 2.20 0.00	33.61 1.11 0.00	31.46 0.83 0.00
HUNTLEY___63 23557	27.94 -0.83 -0.17	26.03 -0.61 -0.16	25.05 -0.59 -0.12	24.77 -0.50 -0.09	25.95 -0.69 -0.19	30.49 -0.49 -0.51	42.39 -2.43 -1.38	46.80 -2.37 -1.79	38.08 -1.62 -1.03	29.80 -0.48 -0.44	27.55 -0.59 -0.28	26.05 -0.21 -0.15	25.76 -0.10 -0.12	27.19 0.03 -0.21	27.54 -0.03 -0.26	27.80 -0.76 -0.25	32.96 -1.18 -0.30	43.16 -2.57 -0.68	55.27 -3.21 -2.14	55.10 -2.84 -2.20	43.07 -2.75 -1.48	36.86 -2.39 -0.69	31.99 -1.07 -0.56	30.71 -0.31 -0.39
HUNTLEY___64 23558	27.94 -0.83 -0.17	26.03 -0.61 -0.16	25.05 -0.59 -0.12	24.77 -0.50 -0.09	25.95 -0.69 -0.19	30.49 -0.49 -0.51	42.39 -2.43 -1.38	46.80 -2.37 -1.79	38.08 -1.62 -1.03	29.80 -0.48 -0.44	27.55 -0.59 -0.28	26.05 -0.21 -0.15	25.76 -0.10 -0.12	27.19 0.03 -0.21	27.54 -0.03 -0.26	27.80 -0.76 -0.25	32.96 -1.18 -0.30	43.16 -2.57 -0.68	55.27 -3.21 -2.14	55.10 -2.84 -2.20	43.07 -2.75 -1.48	36.86 -2.39 -0.69	31.99 -1.07 -0.56	30.71 -0.31 -0.39
HUNTLEY___65 23559	27.94 -0.83 -0.17	26.03 -0.61 -0.16	25.05 -0.59 -0.12	24.77 -0.50 -0.09	25.95 -0.69 -0.19	30.49 -0.49 -0.51	42.39 -2.43 -1.38	46.80 -2.37 -1.79	38.08 -1.62 -1.03	29.80 -0.48 -0.44	27.55 -0.59 -0.28	26.05 -0.21 -0.15	25.76 -0.10 -0.12	27.19 0.03 -0.21	27.54 -0.03 -0.26	27.80 -0.76 -0.25	32.96 -1.18 -0.30	43.16 -2.57 -0.68	55.27 -3.21 -2.14	55.10 -2.84 -2.20	43.07 -2.75 -1.48	36.86 -2.39 -0.69	31.99 -1.07 -0.56	30.71 -0.31 -0.39
HUNTLEY___66 23560	27.94 -0.83 -0.17	26.03 -0.61 -0.16	25.05 -0.59 -0.12	24.77 -0.50 -0.09	25.95 -0.69 -0.19	30.49 -0.49 -0.51	42.39 -2.43 -1.38	46.80 -2.37 -1.79	38.08 -1.62 -1.03	29.80 -0.48 -0.44	27.55 -0.59 -0.28	26.05 -0.21 -0.15	25.76 -0.10 -0.12	27.19 0.03 -0.21	27.54 -0.03 -0.26	27.80 -0.76 -0.25	32.96 -1.18 -0.30	43.16 -2.57 -0.68	55.27 -3.21 -2.14	55.10 -2.84 -2.20	43.07 -2.75 -1.48	36.86 -2.39 -0.69	31.99 -1.07 -0.56	30.71 -0.31 -0.39
HUNTLEY___67 23561	27.74 -1.03 -0.17	25.85 -0.79 -0.16	24.84 -0.79 -0.12	24.59 -0.68 -0.09	25.73 -0.90 -0.19	30.25 -0.73 -0.51	42.26 -2.56 -1.38	46.66 -2.51 -1.78	37.97 -1.74 -1.03	29.68 -0.60 -0.44	27.47 -0.67 -0.28	25.99 -0.26 -0.15	25.70 -0.15 -0.12	27.14 -0.03 -0.21	27.46 -0.11 -0.26	27.74 -0.82 -0.25	32.90 -1.25 -0.30	43.02 -2.70 -0.68	55.10 -3.38 -2.14	54.93 -3.01 -2.20	42.98 -2.84 -1.48	36.78 -2.47 -0.69	31.89 -1.17 -0.56	30.44 -0.58 -0.39
HUNTLEY___68 23562	27.74 -1.03 -0.17	25.85 -0.79 -0.16	24.84 -0.79 -0.12	24.59 -0.68 -0.09	25.73 -0.90 -0.19	30.25 -0.73 -0.51	42.26 -2.56 -1.38	46.66 -2.51 -1.78	37.97 -1.74 -1.03	29.68 -0.60 -0.44	27.47 -0.67 -0.28	25.99 -0.26 -0.15	25.70 -0.15 -0.12	27.14 -0.03 -0.21	27.46 -0.11 -0.26	27.74 -0.82 -0.25	32.90 -1.25 -0.30	43.02 -2.70 -0.68	55.10 -3.38 -2.14	54.93 -3.01 -2.20	42.98 -2.84 -1.48	36.78 -2.47 -0.69	31.89 -1.17 -0.56	30.44 -0.58 -0.39



HYLAND___LFGE 323620	28.38 -0.40 -0.18	26.34 -0.32 -0.17	25.64 0.00 -0.13	25.10 -0.18 -0.10	26.36 -0.29 -0.21	31.02 0.00 -0.55	44.58 -0.35 -1.49	49.31 0.00 -1.93	39.33 -0.46 -1.12	29.83 -0.48 -0.47	27.46 -0.70 -0.30	25.74 -0.52 -0.16	25.38 -0.49 -0.13	26.75 -0.43 -0.23	27.04 -0.55 -0.28	27.73 -0.85 -0.27	33.36 -0.81 -0.33	44.83 -0.95 -0.74	58.03 -0.62 -2.31	58.29 0.17 -2.38	45.27 -0.66 -1.60	38.77 -0.54 -0.75	32.98 -0.13 -0.60	30.90 -0.15 -0.42
INDECK___CORINTH 23802	30.11 1.51 0.00	27.81 1.32 0.00	26.82 1.30 0.00	26.44 1.26 0.00	27.82 1.37 0.00	32.06 1.58 0.00	45.91 2.47 0.00	49.85 2.46 0.00	40.30 1.62 0.00	30.67 0.83 0.00	28.50 0.64 0.00	26.58 0.47 0.00	26.20 0.46 0.00	27.47 0.51 0.00	27.77 0.46 0.00	29.10 0.79 0.00	35.00 1.15 0.00	47.16 2.12 0.00	59.33 2.98 0.00	58.58 2.84 0.00	46.73 2.39 0.00	40.60 2.04 0.00	34.16 1.66 0.00	32.16 1.53 0.00
INDECK___ILION 23567	28.74 0.14 0.00	26.59 0.11 0.00	25.62 0.10 0.00	25.28 0.10 0.00	26.55 0.11 0.00	30.59 0.12 0.00	43.61 0.17 0.00	47.58 0.19 0.00	38.79 0.12 0.00	29.90 0.06 0.00	27.91 0.06 0.00	26.16 0.05 0.00	25.79 0.05 0.00	27.04 0.08 0.00	27.36 0.05 0.00	28.42 0.11 0.00	34.02 0.17 0.00	45.31 0.27 0.00	56.68 0.34 0.00	56.08 0.33 0.00	44.60 0.27 0.00	38.79 0.23 0.00	32.67 0.16 0.00	30.75 0.12 0.00
INDECK___OLEAN 23982	27.62 -1.14 -0.17	25.85 -0.79 -0.16	25.00 -0.64 -0.12	24.54 -0.73 -0.09	25.66 -0.98 -0.20	30.23 -0.76 -0.52	43.07 -1.78 -1.42	47.27 -1.94 -1.83	38.15 -1.59 -1.06	29.81 -0.48 -0.45	27.59 -0.56 -0.28	26.08 -0.18 -0.15	25.76 -0.10 -0.12	27.28 0.11 -0.22	27.60 0.03 -0.26	27.92 -0.65 -0.26	33.11 -1.05 -0.31	43.94 -1.80 -0.70	56.00 -2.53 -2.19	55.77 -2.23 -2.25	43.59 -2.26 -1.52	37.30 -1.97 -0.71	32.00 -1.07 -0.57	30.20 -0.83 -0.40
INDECK___OSWEGO 23783	28.74 -0.57 -0.71	26.65 -0.50 -0.67	25.53 -0.49 -0.49	25.05 -0.50 -0.37	26.71 -0.53 -0.80	32.05 -0.55 -2.13	48.46 -0.78 -5.80	54.06 -0.81 -7.48	42.31 -0.69 -4.34	31.11 -0.57 -1.84	28.43 -0.59 -1.16	26.17 -0.55 -0.62	25.72 -0.51 -0.50	27.33 -0.51 -0.89	27.81 -0.57 -1.08	28.78 -0.60 -1.07	34.40 -0.71 -1.27	46.95 -0.95 -2.86	64.30 -1.01 -8.97	64.08 -0.89 -9.23	49.74 -0.80 -6.20	40.77 -0.69 -2.91	34.26 -0.58 -2.34	31.67 -0.58 -1.62
INDECK___YERKES 23781	27.96 -0.80 -0.17	26.08 -0.56 -0.16	25.48 -0.15 -0.12	24.92 -0.35 -0.09	25.97 -0.66 -0.19	30.52 -0.46 -0.51	42.56 -2.26 -1.38	46.90 -2.27 -1.79	38.12 -1.59 -1.03	29.80 -0.48 -0.44	27.55 -0.59 -0.28	26.07 -0.18 -0.15	25.78 -0.08 -0.12	27.22 0.05 -0.21	27.56 0.00 -0.26	27.83 -0.74 -0.25	33.00 -1.15 -0.30	43.74 -1.98 -0.68	55.33 -3.15 -2.14	55.16 -2.79 -2.20	43.16 -2.66 -1.48	37.21 -2.04 -0.69	32.12 -0.94 -0.56	30.74 -0.28 -0.39
INDIAN POINT_GT_1 24139	29.51 0.92 0.00	27.30 0.82 0.00	26.23 0.71 0.00	25.86 0.68 0.00	27.08 0.63 0.00	31.11 0.64 0.00	44.35 0.91 0.00	48.24 0.85 0.00	39.79 1.12 0.00	30.82 0.98 0.00	28.95 1.09 0.00	27.13 1.02 0.00	26.79 1.06 0.00	28.20 1.24 0.00	28.65 1.34 0.00	29.75 1.44 0.00	35.40 1.56 0.00	46.93 1.89 0.00	58.26 1.92 0.00	57.47 1.73 0.00	45.93 1.60 0.00	40.14 1.58 0.00	33.81 1.30 0.00	31.70 1.07 0.00
INDIAN POINT_GT_2 23659	29.51 0.92 0.00	27.30 0.82 0.00	26.23 0.71 0.00	25.86 0.68 0.00	27.08 0.63 0.00	31.11 0.64 0.00	44.35 0.91 0.00	48.24 0.85 0.00	39.79 1.12 0.00	30.82 0.98 0.00	28.95 1.09 0.00	27.13 1.02 0.00	26.79 1.06 0.00	28.20 1.24 0.00	28.65 1.34 0.00	29.75 1.44 0.00	35.40 1.56 0.00	46.93 1.89 0.00	58.26 1.92 0.00	57.47 1.73 0.00	45.93 1.60 0.00	40.14 1.58 0.00	33.81 1.30 0.00	31.70 1.07 0.00
INDIAN POINT_GT_3 24019	29.51 0.92 0.00	27.30 0.82 0.00	26.23 0.71 0.00	25.86 0.68 0.00	27.08 0.63 0.00	31.11 0.64 0.00	44.35 0.91 0.00	48.24 0.85 0.00	39.79 1.12 0.00	30.82 0.98 0.00	28.95 1.09 0.00	27.13 1.02 0.00	26.79 1.06 0.00	28.20 1.24 0.00	28.65 1.34 0.00	29.75 1.44 0.00	35.40 1.56 0.00	46.93 1.89 0.00	58.26 1.92 0.00	57.47 1.73 0.00	45.93 1.60 0.00	40.14 1.58 0.00	33.81 1.30 0.00	31.70 1.07 0.00
INDIAN POINT___2 23530	29.48 0.89 0.00	27.25 0.77 0.00	26.15 0.64 0.00	25.81 0.63 0.00	27.05 0.61 0.00	31.11 0.64 0.00	44.26 0.82 0.00	48.14 0.76 0.00	39.75 1.08 0.00	30.79 0.95 0.00	28.92 1.06 0.00	27.10 0.99 0.00	26.77 1.03 0.00	28.17 1.21 0.00	28.62 1.31 0.00	29.75 1.44 0.00	35.37 1.52 0.00	46.75 1.71 0.00	58.20 1.86 0.00	57.36 1.62 0.00	45.85 1.51 0.00	40.06 1.50 0.00	33.77 1.27 0.00	31.67 1.04 0.00
INDIAN POINT___3 23531	29.48 0.89 0.00	27.28 0.79 0.00	26.21 0.69 0.00	25.84 0.65 0.00	27.05 0.61 0.00	31.11 0.64 0.00	44.30 0.87 0.00	48.19 0.81 0.00	39.76 1.08 0.00	30.79 0.95 0.00	28.92 1.06 0.00	27.10 0.99 0.00	26.77 1.03 0.00	28.17 1.21 0.00	28.62 1.31 0.00	29.72 1.42 0.00	35.37 1.52 0.00	46.89 1.85 0.00	58.20 1.86 0.00	57.36 1.62 0.00	45.89 1.55 0.00	40.10 1.54 0.00	33.77 1.27 0.00	31.67 1.04 0.00
INGHAM_C_115KV_TB7 356103	28.17 -0.43 0.00	26.16 -0.32 0.00	25.18 -0.33 0.00	24.85 -0.33 0.00	26.13 -0.32 0.00	30.20 -0.27 0.00	43.09 -0.35 0.00	46.96 -0.43 0.00	38.17 -0.50 0.00	29.45 -0.39 0.00	27.55 -0.31 0.00	25.85 -0.26 0.00	25.51 -0.23 0.00	26.71 -0.24 0.00	27.01 -0.30 0.00	28.17 -0.14 0.00	33.71 -0.14 0.00	44.77 -0.27 0.00	56.18 -0.17 0.00	55.58 -0.17 0.00	44.03 -0.31 0.00	38.44 -0.12 0.00	32.37 -0.13 0.00	30.42 -0.21 0.00
IP CORINTH___1 23988	30.11 1.52 0.00	27.81 1.32 0.00	26.84 1.33 0.00	26.44 1.26 0.00	27.82 1.38 0.00	32.06 1.58 0.00	45.91 2.48 0.00	49.85 2.46 0.00	40.30 1.62 0.00	30.67 0.84 0.00	28.50 0.64 0.00	26.58 0.47 0.00	26.20 0.46 0.00	27.47 0.51 0.00	27.77 0.46 0.00	29.10 0.79 0.00	35.00 1.15 0.00	47.20 2.16 0.00	59.33 2.99 0.00	58.59 2.84 0.00	46.73 2.39 0.00	40.64 2.08 0.00	34.20 1.69 0.00	32.16 1.53 0.00
IP___TICONDEROGA 23804	31.03 2.43 0.00	28.65 2.17 0.00	27.69 2.17 0.00	27.27 2.09 0.00	28.74 2.30 0.00	33.15 2.68 0.00	47.69 4.26 0.00	51.65 4.26 0.00	41.34 2.67 0.00	31.21 1.37 0.00	28.95 1.09 0.00	26.94 0.84 0.00	26.54 0.80 0.00	27.82 0.86 0.00	28.05 0.74 0.00	29.55 1.25 0.00	35.67 1.83 0.00	48.55 3.51 0.00	61.42 5.07 0.00	60.65 4.91 0.00	48.37 4.03 0.00	41.99 3.43 0.00	35.24 2.73 0.00	33.14 2.51 0.00
ISLIP_RES_REC 323679	29.04 0.46 0.01	26.82 0.34 0.01	25.69 0.18 0.01	25.33 0.15 0.01	26.57 0.13 0.01	28.46 0.12 2.13	43.09 0.13 0.48	46.45 0.29 1.23	38.92 0.66 0.41	30.40 0.57 0.01	28.69 0.83 0.00	26.73 0.73 0.11	26.37 0.75 0.11	28.09 1.13 0.00	28.78 1.47 0.00	30.12 1.81 0.00	36.04 2.20 0.00	46.79 1.75 0.01	58.14 1.80 0.01	57.41 1.67 0.01	45.88 1.55 0.01	41.34 2.78 0.00	34.00 1.50 0.00	31.82 1.19 0.00



JAMAICA__27_KV_LOAD 355505	29.71 1.12 0.00	27.49 1.01 0.00	26.41 0.89 0.00	26.01 0.83 0.00	27.24 0.79 0.00	31.33 0.85 0.00	44.65 1.22 0.00	48.53 1.14 0.00	40.45 1.78 0.00	31.36 1.52 0.00	29.28 1.42 0.00	27.47 1.36 0.00	27.15 1.42 0.00	28.57 1.62 0.00	29.06 1.75 0.00	30.18 1.87 0.00	35.91 2.06 0.00	47.29 2.25 0.00	58.71 2.37 0.00	57.86 2.12 0.00	46.20 1.86 0.00	40.49 1.93 0.00	34.26 1.76 0.00	32.01 1.38 0.00
JANIS__SOLAR 323808	29.61 0.80 -0.22	27.54 0.85 -0.21	26.51 0.84 -0.15	26.05 0.75 -0.11	27.46 0.77 -0.25	32.31 1.19 -0.65	47.05 1.82 -1.79	51.77 2.08 -2.30	41.21 1.20 -1.33	31.06 0.66 -0.57	28.52 0.31 -0.36	26.56 0.26 -0.19	26.18 0.28 -0.15	27.55 0.32 -0.27	27.88 0.25 -0.33	29.00 0.37 -0.33	34.88 0.64 -0.39	47.14 1.22 -0.88	61.36 2.26 -2.76	61.31 2.73 -2.84	48.06 1.82 -1.91	40.88 1.43 -0.90	34.39 1.17 -0.72	32.05 0.92 -0.50
JARVIS____ 23743	28.68 0.09 0.00	26.53 0.05 0.00	25.57 0.05 0.00	25.23 0.05 0.00	26.50 0.05 0.00	30.53 0.06 0.00	43.52 0.09 0.00	47.44 0.05 0.00	38.71 0.04 0.00	29.84 0.00 0.00	27.89 0.03 0.00	26.11 0.00 0.00	25.74 0.00 0.00	26.98 0.03 0.00	27.34 0.03 0.00	28.39 0.09 0.00	33.95 0.10 0.00	45.18 0.14 0.00	56.51 0.17 0.00	55.91 0.17 0.00	44.47 0.13 0.00	38.67 0.12 0.00	32.60 0.10 0.00	30.69 0.06 0.00
JENNISON____1 23625	29.73 0.97 -0.17	27.62 0.98 -0.16	26.53 0.89 -0.12	26.12 0.86 -0.09	27.50 0.87 -0.19	32.25 1.28 -0.50	46.70 1.91 -1.36	51.32 2.18 -1.75	41.08 1.39 -1.01	31.19 0.92 -0.43	28.80 0.67 -0.27	26.85 0.60 -0.14	26.47 0.62 -0.12	27.86 0.70 -0.21	28.16 0.60 -0.25	29.29 0.74 -0.25	35.09 0.95 -0.30	47.10 1.40 -0.67	60.86 2.42 -2.10	60.69 2.79 -2.16	47.74 1.95 -1.45	40.82 1.58 -0.68	34.35 1.30 -0.55	32.08 1.07 -0.38
JENNISON____2 23626	29.73 0.97 -0.17	27.62 0.98 -0.16	26.53 0.89 -0.12	26.12 0.86 -0.09	27.50 0.87 -0.19	32.25 1.28 -0.50	46.70 1.91 -1.36	51.32 2.18 -1.75	41.08 1.39 -1.01	31.19 0.92 -0.43	28.80 0.67 -0.27	26.85 0.60 -0.14	26.47 0.62 -0.12	27.86 0.70 -0.21	28.16 0.60 -0.25	29.29 0.74 -0.25	35.09 0.95 -0.30	47.10 1.40 -0.67	60.86 2.42 -2.10	60.69 2.79 -2.16	47.74 1.95 -1.45	40.82 1.58 -0.68	34.35 1.30 -0.55	32.08 1.07 -0.38
JERICOHO_RISE_WT_PWR 323719	29.05 0.46 0.00	27.04 0.56 0.00	26.10 0.59 0.00	25.83 0.65 0.00	27.16 0.71 0.00	31.39 0.91 0.00	45.09 1.65 0.00	49.23 1.85 0.00	39.91 1.24 0.00	30.79 0.95 0.00	28.75 0.89 0.00	27.02 0.91 0.00	26.56 0.82 0.00	27.60 0.65 0.00	27.99 0.68 0.00	28.93 0.62 0.00	34.69 0.85 0.00	46.39 1.35 0.00	58.20 1.86 0.00	57.53 1.78 0.00	45.67 1.33 0.00	39.56 1.00 0.00	33.22 0.71 0.00	31.18 0.55 0.00
KATONAH__115KV_46KV_TB4 355592	29.62 1.03 0.00	27.41 0.93 0.00	26.36 0.84 0.00	25.99 0.81 0.00	27.21 0.77 0.00	31.30 0.82 0.00	44.65 1.22 0.00	48.62 1.23 0.00	40.03 1.35 0.00	30.97 1.13 0.00	29.03 1.17 0.00	27.18 1.07 0.00	26.87 1.13 0.00	28.22 1.27 0.00	28.70 1.39 0.00	29.84 1.53 0.00	35.54 1.69 0.00	47.16 2.12 0.00	58.60 2.25 0.00	57.81 2.06 0.00	46.20 1.86 0.00	40.37 1.81 0.00	33.94 1.43 0.00	31.86 1.23 0.00
KCE_NY_1 323755	29.80 1.20 0.00	27.51 1.03 0.00	26.54 1.02 0.00	26.16 0.98 0.00	27.53 1.08 0.00	31.69 1.22 0.00	45.30 1.87 0.00	49.23 1.85 0.00	39.91 1.24 0.00	30.49 0.66 0.00	28.42 0.56 0.00	26.52 0.42 0.00	26.13 0.39 0.00	27.41 0.46 0.00	27.74 0.44 0.00	29.02 0.71 0.00	34.83 0.98 0.00	46.80 1.75 0.00	58.71 2.37 0.00	57.98 2.23 0.00	46.29 1.95 0.00	40.22 1.66 0.00	33.87 1.36 0.00	31.92 1.29 0.00
KCE_NY_6_ESR 323823	27.88 -0.89 -0.17	26.04 -0.61 -0.16	25.38 -0.26 -0.12	24.84 -0.43 -0.09	25.92 -0.71 -0.19	30.50 -0.49 -0.51	42.92 -1.91 -1.40	47.29 -1.90 -1.80	38.36 -1.35 -1.05	29.98 -0.30 -0.44	27.72 -0.42 -0.28	26.20 -0.05 -0.15	25.91 0.05 -0.12	27.38 0.21 -0.21	27.73 0.16 -0.26	28.03 -0.54 -0.26	33.24 -0.91 -0.31	44.11 -1.62 -0.69	55.92 -2.59 -2.16	55.68 -2.29 -2.22	43.57 -2.26 -1.50	37.49 -1.77 -0.70	32.29 -0.78 -0.56	30.59 -0.43 -0.39
KEDC_PORT_JEFF_GT2 24210	28.90 0.32 0.01	26.71 0.24 0.01	25.59 0.08 0.01	25.22 0.05 0.01	26.46 0.03 0.01	27.78 -0.03 2.66	41.08 -0.13 2.23	46.25 0.09 1.24	37.16 0.43 1.94	30.25 0.42 0.01	28.53 0.67 0.00	26.58 0.60 0.13	26.22 0.62 0.14	27.92 0.97 0.00	28.62 1.31 0.00	29.95 1.64 0.00	35.81 1.96 0.00	46.43 1.40 0.01	57.75 1.41 0.01	57.02 1.28 0.01	45.53 1.20 0.01	41.06 2.50 0.00	33.81 1.30 0.00	31.67 1.04 0.00
KEDC_PORT_JEFF_GT3 24211	28.90 0.32 0.01	26.71 0.24 0.01	25.59 0.08 0.01	25.22 0.05 0.01	26.46 0.03 0.01	27.78 -0.03 2.66	41.08 -0.13 2.23	46.25 0.09 1.24	37.16 0.43 1.94	30.25 0.42 0.01	28.53 0.67 0.00	26.58 0.60 0.13	26.22 0.62 0.14	27.92 0.97 0.00	28.62 1.31 0.00	29.95 1.64 0.00	35.81 1.96 0.00	46.43 1.40 0.01	57.75 1.41 0.01	57.02 1.28 0.01	45.53 1.20 0.01	41.06 2.50 0.00	33.81 1.30 0.00	31.67 1.04 0.00
KEDC_GLWD_GT4 24219	29.48 0.89 0.00	27.22 0.74 0.00	26.12 0.61 0.00	25.76 0.58 0.00	27.00 0.56 0.00	31.02 0.55 0.00	44.17 0.74 0.00	47.88 0.95 0.46	39.79 1.12 0.00	30.82 0.98 0.00	29.06 1.20 0.00	27.23 1.12 0.00	26.87 1.13 0.00	28.36 1.40 0.00	28.89 1.58 0.00	30.09 1.78 0.00	35.84 2.00 0.00	46.66 1.62 0.00	58.09 1.75 0.00	57.25 1.51 0.00	46.06 1.73 0.00	40.68 2.12 0.00	33.97 1.46 0.00	31.86 1.23 0.00
KEDC_GLWD_GT5 24220	29.48 0.89 0.00	27.22 0.74 0.00	26.12 0.61 0.00	25.76 0.58 0.00	27.00 0.56 0.00	31.02 0.55 0.00	44.17 0.74 0.00	47.88 0.95 0.46	39.79 1.12 0.00	30.82 0.98 0.00	29.06 1.20 0.00	27.23 1.12 0.00	26.87 1.13 0.00	28.36 1.40 0.00	28.89 1.58 0.00	30.09 1.78 0.00	35.84 2.00 0.00	46.66 1.62 0.00	58.09 1.75 0.00	57.25 1.51 0.00	46.06 1.73 0.00	40.68 2.12 0.00	33.97 1.46 0.00	31.86 1.23 0.00
KENSICO____ 23655	29.54 0.94 0.00	27.33 0.85 0.00	26.28 0.77 0.00	25.89 0.71 0.00	27.10 0.66 0.00	31.17 0.70 0.00	44.39 0.96 0.00	48.29 0.90 0.00	39.87 1.20 0.00	30.91 1.07 0.00	29.03 1.17 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.73 1.42 0.00	29.84 1.53 0.00	35.50 1.66 0.00	47.02 1.98 0.00	58.37 2.03 0.00	57.53 1.78 0.00	45.98 1.64 0.00	40.22 1.66 0.00	33.87 1.37 0.00	31.76 1.13 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	29.65 1.06 0.00	27.49 1.01 0.00	26.38 0.87 0.00	26.01 0.83 0.00	27.24 0.79 0.00	31.45 0.98 0.00	44.91 1.48 0.00	48.90 1.52 0.00	40.07 1.39 0.00	30.88 1.04 0.00	28.89 1.03 0.00	27.07 0.97 0.00	26.72 0.98 0.00	28.11 1.16 0.00	28.59 1.28 0.00	29.75 1.44 0.00	35.47 1.62 0.00	47.25 2.21 0.00	58.94 2.59 0.00	58.14 2.40 0.00	46.42 2.08 0.00	40.41 1.85 0.00	34.07 1.56 0.00	31.95 1.32 0.00



KIAC_JFK_GT1 23816	29.57 0.97 0.00	27.36 0.87 0.00	26.28 0.77 0.00	25.89 0.71 0.00	27.10 0.66 0.00	31.17 0.70 0.00	44.39 0.96 0.00	48.10 0.71 0.00	40.22 1.55 0.00	31.21 1.37 0.00	29.14 1.28 0.00	27.34 1.23 0.00	27.00 1.26 0.00	28.41 1.46 0.00	28.89 1.58 0.00	30.04 1.73 0.00	35.71 1.86 0.00	46.84 1.80 0.00	58.15 1.80 0.00	57.30 1.56 0.00	45.76 1.42 0.00	40.29 1.74 0.00	34.07 1.56 0.00	31.86 1.23 0.00
KIAC_JFK_GT2 23817	29.57 0.97 0.00	27.36 0.87 0.00	26.28 0.77 0.00	25.89 0.71 0.00	27.10 0.66 0.00	31.17 0.70 0.00	44.39 0.96 0.00	48.10 0.71 0.00	40.22 1.55 0.00	31.21 1.37 0.00	29.14 1.28 0.00	27.34 1.23 0.00	27.00 1.26 0.00	28.41 1.46 0.00	28.89 1.58 0.00	30.04 1.73 0.00	35.71 1.86 0.00	46.84 1.80 0.00	58.15 1.80 0.00	57.30 1.56 0.00	45.76 1.42 0.00	40.29 1.74 0.00	34.07 1.56 0.00	31.86 1.23 0.00
KIAC_JFK____ 323774	29.57 0.97 0.00	27.35 0.87 0.00	26.23 0.71 0.00	25.86 0.68 0.00	27.10 0.66 0.00	31.17 0.70 0.00	44.35 0.91 0.00	48.10 0.71 0.00	40.22 1.55 0.00	31.21 1.37 0.00	29.14 1.28 0.00	27.34 1.23 0.00	27.00 1.26 0.00	28.41 1.45 0.00	28.89 1.58 0.00	30.04 1.73 0.00	35.71 1.86 0.00	46.75 1.71 0.00	58.15 1.80 0.00	57.30 1.56 0.00	45.71 1.38 0.00	40.25 1.69 0.00	34.07 1.56 0.00	31.86 1.23 0.00
KINTIGH__24_KV_GSU 356498	27.84 -0.92 -0.17	25.92 -0.71 -0.15	25.25 -0.38 -0.11	24.71 -0.55 -0.09	25.78 -0.85 -0.18	30.26 -0.70 -0.49	42.47 -2.30 -1.34	46.80 -2.32 -1.73	38.05 -1.62 -1.00	29.67 -0.60 -0.43	27.49 -0.64 -0.27	25.96 -0.29 -0.14	25.65 -0.21 -0.12	27.08 -0.08 -0.21	27.39 -0.16 -0.25	27.73 -0.82 -0.25	32.92 -1.22 -0.29	43.59 -2.12 -0.66	55.15 -3.27 -2.07	54.98 -2.90 -2.13	43.16 -2.62 -1.43	37.22 -2.01 -0.67	32.07 -0.97 -0.54	30.49 -0.52 -0.38
KINTIGH____ 23543	27.82 -0.94 -0.17	25.87 -0.77 -0.15	24.89 -0.74 -0.11	24.59 -0.68 -0.09	25.76 -0.87 -0.18	30.26 -0.70 -0.49	42.35 -2.43 -1.34	46.75 -2.37 -1.73	38.05 -1.62 -1.00	29.67 -0.60 -0.43	27.49 -0.64 -0.27	25.96 -0.29 -0.14	25.65 -0.21 -0.12	27.08 -0.08 -0.21	27.39 -0.16 -0.25	27.73 -0.82 -0.25	32.92 -1.22 -0.29	43.04 -2.66 -0.66	55.09 -3.32 -2.07	54.98 -2.90 -2.13	43.11 -2.66 -1.43	36.92 -2.31 -0.67	31.97 -1.07 -0.54	30.49 -0.52 -0.38
KNTFSRNC_46_KV_46KV_LOAD 80397	29.51 0.92 0.00	27.51 1.03 0.00	26.59 1.07 0.00	26.31 1.13 0.00	27.69 1.24 0.00	32.09 1.62 0.00	46.17 2.74 0.00	50.42 3.03 0.00	40.76 2.09 0.00	31.42 1.58 0.00	29.36 1.50 0.00	27.62 1.51 0.00	27.10 1.36 0.00	28.11 1.16 0.00	28.54 1.23 0.00	29.50 1.19 0.00	35.44 1.59 0.00	47.47 2.43 0.00	59.67 3.32 0.00	58.92 3.18 0.00	46.78 2.44 0.00	40.41 1.85 0.00	33.90 1.40 0.00	31.73 1.10 0.00
LACHUTE____HYDRO 323717	31.02 2.43 0.00	28.65 2.17 0.00	27.66 2.14 0.00	27.25 2.07 0.00	28.74 2.30 0.00	33.15 2.68 0.00	47.70 4.26 0.00	51.65 4.27 0.00	41.34 2.67 0.00	31.21 1.37 0.00	28.94 1.09 0.00	26.94 0.84 0.00	26.54 0.80 0.00	27.82 0.86 0.00	28.05 0.74 0.00	29.55 1.24 0.00	35.67 1.83 0.00	48.46 3.42 0.00	61.42 5.07 0.00	60.65 4.91 0.00	48.37 4.03 0.00	41.95 3.39 0.00	35.24 2.73 0.00	33.14 2.51 0.00
LAWRNCAY_115KV_TB1 80681	29.11 0.46 -0.05	27.03 0.50 -0.05	26.04 0.48 -0.04	25.71 0.50 -0.03	27.03 0.53 -0.06	31.36 0.73 -0.16	45.22 1.35 -0.43	49.46 1.52 -0.56	39.85 0.85 -0.32	30.51 0.54 -0.14	28.42 0.47 -0.09	26.65 0.50 -0.05	26.19 0.41 -0.04	27.24 0.22 -0.07	27.63 0.25 -0.08	28.44 0.06 -0.08	34.11 0.17 -0.09	45.61 0.36 -0.21	57.63 0.62 -0.67	57.04 0.61 -0.69	45.29 0.49 -0.46	39.28 0.50 -0.22	33.07 0.39 -0.17	31.12 0.37 -0.12
LEDERLE____ 23769	29.60 1.00 0.00	27.38 0.90 0.00	26.31 0.79 0.00	25.94 0.76 0.00	27.16 0.71 0.00	31.33 0.85 0.00	44.61 1.17 0.00	48.53 1.14 0.00	39.99 1.31 0.00	30.97 1.13 0.00	29.06 1.20 0.00	27.23 1.12 0.00	26.90 1.16 0.00	28.30 1.35 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.54 1.69 0.00	47.11 2.07 0.00	58.54 2.20 0.00	57.69 1.95 0.00	46.11 1.77 0.00	40.29 1.74 0.00	33.94 1.43 0.00	31.83 1.19 0.00
LIGHTHSE_115KV_TB6 355974	28.97 -0.03 -0.41	26.86 0.00 -0.38	25.77 -0.03 -0.28	25.37 -0.03 -0.21	26.87 -0.03 -0.46	31.78 0.09 -1.21	47.01 0.26 -3.31	52.08 0.43 -4.27	41.22 0.08 -2.47	30.86 -0.03 -1.05	28.35 -0.17 -0.66	26.28 -0.18 -0.35	25.84 -0.18 -0.28	27.27 -0.19 -0.51	27.62 -0.30 -0.61	28.63 -0.28 -0.61	34.26 -0.30 -0.72	46.36 -0.32 -1.63	61.52 0.06 -5.12	61.29 0.28 -5.27	47.97 0.09 -3.54	40.26 0.04 -1.66	33.84 0.00 -1.33	31.47 -0.09 -0.93
LINDEN COGEN____ 23786	29.45 0.86 0.00	27.25 0.77 0.00	26.13 0.61 0.00	25.78 0.60 0.00	27.00 0.56 0.00	31.02 0.55 0.00	44.09 0.65 0.00	48.00 0.61 0.00	39.87 1.20 0.00	30.97 1.13 0.00	29.08 1.22 0.00	27.28 1.18 0.00	26.95 1.21 0.00	28.38 1.43 0.00	28.84 1.53 0.00	29.98 1.67 0.00	35.60 1.76 0.00	46.84 1.80 0.00	58.20 1.86 0.00	57.36 1.62 0.00	45.80 1.46 0.00	40.14 1.58 0.00	33.84 1.33 0.00	31.67 1.04 0.00
LINDHRST_69_KV_BK1 356055	29.30 0.71 0.01	27.06 0.58 0.01	25.97 0.46 0.01	25.58 0.40 0.01	26.78 0.34 0.01	30.69 0.37 0.15	43.79 0.48 0.12	46.92 0.62 1.09	39.42 0.85 0.11	30.61 0.78 0.01	28.92 1.06 0.00	27.04 0.94 0.01	26.68 0.95 0.01	28.25 1.29 0.00	28.95 1.64 0.00	30.21 1.90 0.00	36.08 2.23 0.00	46.97 1.94 0.01	58.31 1.97 0.01	57.52 1.78 0.01	45.93 1.60 0.01	41.30 2.74 0.00	34.20 1.69 0.00	31.98 1.35 0.00
LIPA_MISC_IPP 23656	28.67 0.09 0.01	26.50 0.03 0.01	25.46 -0.05 0.01	25.07 -0.10 0.01	26.25 -0.19 0.01	27.71 -0.27 2.48	35.04 -0.35 8.05	45.86 -0.28 1.24	31.75 0.12 7.04	29.98 0.15 0.01	28.30 0.45 0.00	26.32 0.34 0.12	25.97 0.36 0.13	27.68 0.73 0.00	28.43 1.12 0.00	29.72 1.42 0.00	35.57 1.73 0.00	46.34 1.31 0.01	57.35 1.01 0.01	56.63 0.89 0.01	45.26 0.93 0.01	40.87 2.31 0.00	33.68 1.17 0.00	31.46 0.83 0.00
LISF____SOLAR 323691	28.70 0.11 0.01	26.50 0.03 0.01	25.41 -0.10 0.01	25.05 -0.13 0.01	26.28 -0.16 0.01	27.76 -0.24 2.47	32.88 -0.43 10.12	45.91 -0.24 1.24	29.98 0.16 8.84	29.98 0.15 0.01	28.30 0.44 0.00	26.32 0.34 0.12	25.97 0.36 0.13	27.68 0.73 0.00	28.40 1.09 0.00	29.75 1.44 0.00	35.57 1.73 0.00	46.20 1.17 0.01	57.46 1.13 0.01	56.74 1.00 0.01	45.35 1.02 0.01	40.91 2.35 0.00	33.64 1.14 0.00	31.52 0.89 0.00
LITTLE FALLS____HYD 24013	28.17 -0.43 0.00	26.16 -0.32 0.00	25.18 -0.33 0.00	24.85 -0.33 0.00	26.13 -0.32 0.00	30.20 -0.27 0.00	43.09 -0.35 0.00	46.96 -0.43 0.00	38.17 -0.50 0.00	29.45 -0.39 0.00	27.55 -0.31 0.00	25.85 -0.26 0.00	25.51 -0.23 0.00	26.71 -0.24 0.00	27.01 -0.30 0.00	28.17 -0.14 0.00	33.71 -0.14 0.00	44.77 -0.27 0.00	56.18 -0.17 0.00	55.58 -0.17 0.00	44.03 -0.31 0.00	38.44 -0.12 0.00	32.37 -0.13 0.00	30.42 -0.21 0.00



LITTLRIV_115KV_TB1 356100	29.40 0.74 -0.06	27.30 0.77 -0.05	26.30 0.74 -0.04	25.99 0.78 -0.03	27.30 0.79 -0.06	31.74 1.10 -0.17	45.85 1.95 -0.46	50.12 2.13 -0.60	40.18 1.16 -0.35	30.70 0.72 -0.15	28.56 0.61 -0.09	26.76 0.60 -0.05	26.29 0.51 -0.04	27.35 0.32 -0.07	27.72 0.33 -0.09	28.56 0.17 -0.08	34.32 0.37 -0.10	45.99 0.72 -0.23	58.36 1.30 -0.72	57.87 1.39 -0.74	45.90 1.06 -0.49	39.72 0.93 -0.23	33.44 0.75 -0.19	31.40 0.64 -0.13
LI_NEWBRDGE___DRP 323616	28.93 0.34 0.01	26.74 0.26 0.01	25.71 0.20 0.01	25.32 0.15 0.01	26.51 0.08 0.01	30.46 0.00 0.01	43.43 0.00 0.01	46.40 0.33 1.32	39.05 0.39 0.01	30.25 0.42 0.01	28.58 0.72 0.00	26.73 0.63 0.00	26.37 0.64 0.01	27.90 0.94 0.00	28.54 1.23 0.00	29.78 1.47 0.00	35.54 1.69 0.00	46.25 1.22 0.01	57.41 1.07 0.01	56.57 0.84 0.01	45.22 0.89 0.01	40.56 2.01 0.00	33.68 1.17 0.00	31.52 0.89 0.00
LOCKPORT_115KV_TB60_63_64 80432	27.65 -1.12 -0.17	25.74 -0.90 -0.16	24.77 -0.87 -0.12	24.49 -0.78 -0.09	25.66 -0.98 -0.19	30.16 -0.82 -0.51	42.17 -2.65 -1.38	46.56 -2.61 -1.78	37.89 -1.82 -1.03	29.59 -0.69 -0.44	27.35 -0.78 -0.28	25.89 -0.37 -0.15	25.60 -0.26 -0.12	27.03 -0.13 -0.21	27.35 -0.22 -0.26	27.63 -0.93 -0.25	32.76 -1.39 -0.30	42.84 -2.88 -0.68	54.87 -3.61 -2.14	54.76 -3.18 -2.20	42.80 -3.01 -1.48	36.67 -2.58 -0.69	31.83 -1.24 -0.56	30.37 -0.64 -0.39
LOCKPORT___CC1 323769	27.68 -1.09 -0.17	25.79 -0.85 -0.16	25.23 -0.41 -0.12	24.67 -0.60 -0.09	25.68 -0.95 -0.19	30.16 -0.82 -0.51	42.30 -2.52 -1.38	46.61 -2.56 -1.78	37.89 -1.82 -1.03	29.59 -0.69 -0.44	27.38 -0.75 -0.28	25.91 -0.34 -0.15	25.60 -0.26 -0.12	27.03 -0.13 -0.21	27.37 -0.19 -0.26	27.63 -0.93 -0.25	32.76 -1.39 -0.30	43.43 -2.30 -0.68	54.87 -3.61 -2.14	54.77 -3.18 -2.20	42.89 -2.93 -1.48	37.01 -2.24 -0.69	31.96 -1.11 -0.56	30.41 -0.61 -0.39
LOCKPORT___CC2 323770	27.68 -1.09 -0.17	25.79 -0.85 -0.16	25.23 -0.41 -0.12	24.67 -0.60 -0.09	25.68 -0.95 -0.19	30.16 -0.82 -0.51	42.30 -2.52 -1.38	46.61 -2.56 -1.78	37.89 -1.82 -1.03	29.59 -0.69 -0.44	27.38 -0.75 -0.28	25.91 -0.34 -0.15	25.60 -0.26 -0.12	27.03 -0.13 -0.21	27.37 -0.19 -0.26	27.63 -0.93 -0.25	32.76 -1.39 -0.30	43.43 -2.30 -0.68	54.87 -3.61 -2.14	54.77 -3.18 -2.20	42.89 -2.93 -1.48	37.01 -2.24 -0.69	31.96 -1.11 -0.56	30.41 -0.61 -0.39
LOCKPORT___CC3 323771	27.68 -1.09 -0.17	25.79 -0.85 -0.16	25.23 -0.41 -0.12	24.67 -0.60 -0.09	25.68 -0.95 -0.19	30.16 -0.82 -0.51	42.30 -2.52 -1.38	46.61 -2.56 -1.78	37.89 -1.82 -1.03	29.59 -0.69 -0.44	27.38 -0.75 -0.28	25.91 -0.34 -0.15	25.60 -0.26 -0.12	27.03 -0.13 -0.21	27.37 -0.19 -0.26	27.63 -0.93 -0.25	32.76 -1.39 -0.30	43.43 -2.30 -0.68	54.87 -3.61 -2.14	54.77 -3.18 -2.20	42.89 -2.93 -1.48	37.01 -2.24 -0.69	31.96 -1.11 -0.56	30.41 -0.61 -0.39
LOCUSVLY_69_KV_BK2 55797	29.33 0.74 0.00	27.09 0.61 0.00	26.05 0.54 0.00	25.65 0.48 0.00	26.83 0.40 0.00	30.80 0.34 0.00	43.91 0.48 0.00	47.44 0.71 0.66	39.56 0.89 0.00	30.67 0.84 0.00	28.95 1.09 0.00	27.10 0.99 0.00	26.74 1.00 0.00	28.28 1.32 0.00	28.86 1.56 0.00	30.06 1.76 0.00	35.84 2.00 0.00	46.88 1.85 0.00	58.03 1.69 0.00	57.24 1.51 0.00	45.84 1.51 0.00	40.83 2.27 0.00	33.97 1.46 0.00	31.83 1.19 0.00
LONG_LAKE_PHOENIX 24014	28.50 -0.31 -0.22	26.43 -0.26 -0.21	25.42 -0.26 -0.15	25.02 -0.28 -0.12	26.43 -0.26 -0.25	30.89 -0.24 -0.66	44.90 -0.35 -1.81	49.39 -0.33 -2.33	39.75 -0.27 -1.35	30.23 -0.18 -0.57	27.97 -0.25 -0.36	26.06 -0.23 -0.19	25.69 -0.21 -0.16	27.04 -0.19 -0.28	27.43 -0.22 -0.34	28.41 -0.23 -0.33	33.94 -0.30 -0.39	45.48 -0.45 -0.89	58.75 -0.39 -2.80	58.40 -0.22 -2.88	46.01 -0.27 -1.93	39.12 -0.35 -0.91	33.01 -0.23 -0.73	30.89 -0.25 -0.51
LOVETT___3 23632	29.48 0.89 0.00	27.28 0.79 0.00	26.21 0.69 0.00	25.84 0.65 0.00	27.05 0.61 0.00	31.08 0.61 0.00	44.26 0.83 0.00	48.15 0.76 0.00	39.72 1.04 0.00	30.79 0.95 0.00	28.89 1.03 0.00	27.10 0.99 0.00	26.77 1.03 0.00	28.17 1.21 0.00	28.62 1.31 0.00	29.72 1.42 0.00	35.37 1.52 0.00	46.89 1.85 0.00	58.20 1.86 0.00	57.36 1.62 0.00	45.89 1.55 0.00	40.10 1.54 0.00	33.77 1.27 0.00	31.67 1.04 0.00
LOVETT___4 23642	29.48 0.89 0.00	27.28 0.79 0.00	26.21 0.69 0.00	25.84 0.65 0.00	27.05 0.61 0.00	31.08 0.61 0.00	44.26 0.83 0.00	48.15 0.76 0.00	39.72 1.04 0.00	30.79 0.95 0.00	28.89 1.03 0.00	27.10 0.99 0.00	26.77 1.03 0.00	28.17 1.21 0.00	28.62 1.31 0.00	29.72 1.42 0.00	35.37 1.52 0.00	46.89 1.85 0.00	58.20 1.86 0.00	57.36 1.62 0.00	45.89 1.55 0.00	40.10 1.54 0.00	33.77 1.27 0.00	31.67 1.04 0.00
LOVETT___5 23593	29.48 0.89 0.00	27.28 0.79 0.00	26.21 0.69 0.00	25.84 0.65 0.00	27.05 0.61 0.00	31.08 0.61 0.00	44.26 0.83 0.00	48.15 0.76 0.00	39.72 1.04 0.00	30.79 0.95 0.00	28.89 1.03 0.00	27.10 0.99 0.00	26.77 1.03 0.00	28.17 1.21 0.00	28.62 1.31 0.00	29.72 1.42 0.00	35.37 1.52 0.00	46.89 1.85 0.00	58.20 1.86 0.00	57.36 1.62 0.00	45.89 1.55 0.00	40.10 1.54 0.00	33.77 1.27 0.00	31.67 1.04 0.00
LOWER RAQUET___HYD 24057	29.14 0.49 -0.06	27.10 0.56 -0.06	26.09 0.54 -0.04	25.77 0.55 -0.03	27.09 0.58 -0.07	31.44 0.79 -0.18	45.41 1.48 -0.49	49.68 1.66 -0.63	39.97 0.93 -0.37	30.59 0.60 -0.16	28.48 0.53 -0.10	26.68 0.52 -0.05	26.22 0.44 -0.04	27.27 0.24 -0.08	27.64 0.25 -0.09	28.46 0.06 -0.09	34.16 0.20 -0.11	45.64 0.36 -0.24	57.72 0.62 -0.76	57.20 0.67 -0.78	45.40 0.53 -0.53	39.34 0.54 -0.25	33.16 0.45 -0.20	31.17 0.40 -0.14
LOWER___HUDSON 24059	29.45 0.86 0.00	27.14 0.66 0.00	26.15 0.64 0.00	25.81 0.63 0.00	27.18 0.74 0.00	31.20 0.73 0.00	44.52 1.09 0.00	48.43 1.04 0.00	39.49 0.81 0.00	30.31 0.48 0.00	28.36 0.50 0.00	26.47 0.37 0.00	26.10 0.36 0.00	27.36 0.40 0.00	27.74 0.44 0.00	28.93 0.62 0.00	34.66 0.81 0.00	46.35 1.31 0.00	57.87 1.52 0.00	57.08 1.34 0.00	45.62 1.29 0.00	39.68 1.12 0.00	33.41 0.91 0.00	31.55 0.92 0.00
LOWVILLE_115KV_TB2 356335	29.48 0.74 -0.14	27.38 0.77 -0.13	26.30 0.69 -0.10	25.93 0.68 -0.07	27.28 0.69 -0.15	31.92 1.04 -0.41	46.34 1.78 -1.12	50.87 2.04 -1.44	40.59 1.08 -0.84	30.76 0.57 -0.35	28.44 0.36 -0.22	26.51 0.29 -0.12	26.09 0.26 -0.10	27.34 0.22 -0.17	27.65 0.14 -0.21	28.74 0.23 -0.21	34.50 0.41 -0.24	46.40 0.81 -0.55	59.82 1.75 -1.73	59.08 1.56 -1.78	46.38 0.84 -1.20	39.74 0.62 -0.56	33.35 0.39 -0.45	31.10 0.15 -0.31
LUTHERFT_115KV_GLOB_FND_222 355753	29.80 1.20 0.00	27.51 1.03 0.00	26.54 1.02 0.00	26.16 0.98 0.00	27.53 1.08 0.00	31.66 1.19 0.00	45.26 1.82 0.00	49.24 1.85 0.00	39.91 1.24 0.00	30.49 0.66 0.00	28.42 0.56 0.00	26.53 0.42 0.00	26.13 0.39 0.00	27.41 0.46 0.00	27.74 0.44 0.00	29.02 0.71 0.00	34.83 0.98 0.00	46.80 1.76 0.00	58.65 2.31 0.00	57.92 2.17 0.00	46.24 1.91 0.00	40.26 1.70 0.00	33.84 1.33 0.00	31.89 1.26 0.00



LUTHERNY_35_KV_BK2 355980	29.80 1.20 0.00	27.51 1.03 0.00	26.56 1.05 0.00	26.16 0.98 0.00	27.53 1.08 0.00	31.69 1.22 0.00	45.30 1.87 0.00	49.24 1.85 0.00	39.91 1.24 0.00	30.49 0.66 0.00	28.42 0.56 0.00	26.53 0.42 0.00	26.13 0.39 0.00	27.41 0.46 0.00	27.74 0.44 0.00	29.02 0.71 0.00	34.83 0.98 0.00	46.84 1.80 0.00	58.71 2.37 0.00	57.97 2.23 0.00	46.29 1.95 0.00	40.29 1.74 0.00	33.87 1.37 0.00	31.92 1.29 0.00
LWR___OSWEGATCHIE_HYD 23850	29.31 0.60 -0.11	27.22 0.64 -0.11	26.18 0.59 -0.08	25.85 0.60 -0.06	27.18 0.61 -0.13	31.70 0.88 -0.34	45.98 1.61 -0.93	50.39 1.80 -1.20	40.34 0.97 -0.70	30.67 0.54 -0.30	28.44 0.39 -0.19	26.57 0.37 -0.10	26.10 0.28 -0.08	27.26 0.16 -0.14	27.59 0.11 -0.17	28.51 0.03 -0.17	34.22 0.17 -0.20	45.90 0.41 -0.46	58.86 1.07 -1.44	58.29 1.06 -1.48	45.95 0.62 -1.00	39.64 0.62 -0.47	33.34 0.46 -0.38	31.20 0.31 -0.26
LYONS_FALL_HYD 23570	29.39 0.69 -0.11	27.25 0.66 -0.10	26.20 0.61 -0.08	25.84 0.60 -0.06	27.17 0.61 -0.12	31.68 0.88 -0.32	45.84 1.52 -0.88	50.28 1.75 -1.14	40.30 0.97 -0.66	30.66 0.54 -0.28	28.40 0.36 -0.18	26.49 0.29 -0.09	26.10 0.28 -0.08	27.33 0.24 -0.14	27.64 0.16 -0.16	28.75 0.28 -0.16	34.48 0.44 -0.19	46.29 0.81 -0.43	59.28 1.58 -1.36	58.71 1.56 -1.40	46.21 0.93 -0.94	39.73 0.73 -0.44	33.35 0.49 -0.36	31.18 0.31 -0.25
MADISON___COUNTY_LFGE 323628	29.39 0.66 -0.14	27.25 0.64 -0.13	26.20 0.59 -0.10	25.83 0.58 -0.07	27.21 0.61 -0.16	31.74 0.85 -0.41	45.91 1.35 -1.13	50.41 1.56 -1.45	40.52 1.01 -0.84	30.82 0.63 -0.36	28.53 0.45 -0.23	26.62 0.39 -0.12	26.22 0.39 -0.10	27.53 0.40 -0.17	27.84 0.33 -0.21	29.00 0.48 -0.21	34.70 0.61 -0.25	46.50 0.90 -0.56	59.72 1.63 -1.74	59.38 1.84 -1.79	46.78 1.24 -1.21	40.13 1.00 -0.57	33.74 0.78 -0.45	31.56 0.61 -0.32
MALONE___115KV_TB1 356076	29.31 0.71 0.00	27.28 0.79 0.00	26.33 0.82 0.00	26.06 0.88 0.00	27.40 0.95 0.00	31.72 1.25 0.00	45.69 2.26 0.00	49.90 2.51 0.00	40.30 1.62 0.00	31.03 1.19 0.00	28.97 1.11 0.00	27.26 1.15 0.00	26.74 1.00 0.00	27.74 0.78 0.00	28.13 0.82 0.00	29.07 0.76 0.00	34.90 1.05 0.00	46.75 1.71 0.00	58.77 2.42 0.00	58.03 2.29 0.00	46.07 1.73 0.00	39.91 1.35 0.00	33.51 1.01 0.00	31.43 0.80 0.00
MAPLEWOD_115KV_TB3 80458	29.31 0.71 0.00	27.04 0.56 0.00	26.10 0.59 0.00	25.84 0.65 0.00	27.18 0.74 0.00	31.05 0.58 0.00	44.22 0.78 0.00	48.15 0.76 0.00	39.25 0.58 0.00	30.14 0.30 0.00	28.19 0.33 0.00	26.32 0.21 0.00	25.97 0.23 0.00	27.22 0.27 0.00	27.55 0.25 0.00	28.79 0.48 0.00	34.49 0.64 0.00	46.12 1.08 0.00	57.53 1.18 0.00	56.69 0.95 0.00	45.36 1.02 0.00	39.60 1.04 0.00	33.29 0.78 0.00	31.40 0.77 0.00
MAPLE_RIDGE_WT_1 323574	28.45 -0.14 0.00	26.40 -0.08 0.00	25.47 -0.05 0.00	25.16 -0.03 0.00	26.42 -0.03 0.00	30.44 -0.03 0.00	43.39 -0.04 0.00	47.34 -0.05 0.00	38.63 -0.04 0.00	29.84 0.00 0.00	27.89 0.03 0.00	26.16 0.05 0.00	25.76 0.03 0.00	26.96 0.00 0.00	27.31 0.00 0.00	28.31 0.00 0.00	33.85 0.00 0.00	45.04 0.00 0.00	56.34 0.00 0.00	55.52 -0.22 0.00	43.98 -0.36 0.00	38.06 -0.50 0.00	31.92 -0.58 0.00	29.99 -0.64 0.00
MAPLE_RIDGE_WT_2 323611	28.45 -0.14 0.00	26.40 -0.08 0.00	25.47 -0.05 0.00	25.16 -0.03 0.00	26.42 -0.03 0.00	30.44 -0.03 0.00	43.39 -0.04 0.00	47.34 -0.05 0.00	38.63 -0.04 0.00	29.84 0.00 0.00	27.89 0.03 0.00	26.16 0.05 0.00	25.76 0.03 0.00	26.96 0.00 0.00	27.31 0.00 0.00	28.31 0.00 0.00	33.85 0.00 0.00	45.04 0.00 0.00	56.34 0.00 0.00	55.52 -0.22 0.00	43.98 -0.36 0.00	38.06 -0.50 0.00	31.92 -0.58 0.00	29.99 -0.64 0.00
MARBLE_RIVER_WT_PWR 323696	29.42 0.83 0.00	27.43 0.95 0.00	26.54 1.02 0.00	26.29 1.11 0.00	27.66 1.22 0.00	32.03 1.55 0.00	46.09 2.65 0.00	50.33 2.94 0.00	40.76 2.09 0.00	31.45 1.61 0.00	29.36 1.50 0.00	27.65 1.54 0.00	27.15 1.41 0.00	28.17 1.21 0.00	28.59 1.28 0.00	29.52 1.22 0.00	35.47 1.62 0.00	47.43 2.39 0.00	59.61 3.27 0.00	58.81 3.06 0.00	46.69 2.35 0.00	40.37 1.81 0.00	33.84 1.33 0.00	31.64 1.01 0.00
MARSHVLE_115KV_TB1 80742	30.40 1.80 0.00	28.15 1.67 0.00	27.12 1.61 0.00	26.72 1.54 0.00	28.14 1.69 0.00	32.58 2.10 0.00	46.78 3.34 0.00	50.52 3.13 0.00	39.91 1.24 0.00	29.96 0.12 0.00	27.55 -0.31 0.00	25.64 -0.47 0.00	25.28 -0.46 0.00	26.50 -0.46 0.00	26.82 -0.49 0.00	28.28 -0.03 0.00	34.35 0.51 0.00	47.20 2.16 0.00	60.46 4.11 0.00	59.92 4.18 0.00	47.66 3.33 0.00	41.37 2.81 0.00	34.72 2.21 0.00	32.62 1.99 0.00
MARSH_HILL_WT_PWR 323713	28.16 -0.63 -0.20	26.32 -0.35 -0.19	25.55 -0.10 -0.14	25.06 -0.23 -0.10	26.30 -0.37 -0.22	30.97 -0.09 -0.59	44.18 -0.87 -1.61	48.57 -0.90 -2.08	39.14 -0.74 -1.21	30.14 -0.21 -0.51	27.76 -0.42 -0.32	26.07 -0.21 -0.17	25.78 -0.10 -0.14	27.26 0.05 -0.25	27.55 -0.05 -0.30	28.15 -0.45 -0.30	33.55 -0.64 -0.35	44.84 -0.99 -0.79	57.60 -1.24 -2.49	57.31 -1.00 -2.57	44.69 -1.37 -1.72	38.06 -1.31 -0.81	32.34 -0.81 -0.65	30.41 -0.67 -0.45
MCINTYRE_115KV_TB2 80467	29.45 0.80 -0.05	27.38 0.85 -0.05	26.37 0.82 -0.04	26.04 0.83 -0.03	27.37 0.87 -0.06	31.78 1.16 -0.15	45.89 2.04 -0.42	50.15 2.23 -0.54	40.18 1.20 -0.31	30.69 0.72 -0.13	28.55 0.61 -0.08	26.75 0.60 -0.04	26.26 0.49 -0.04	27.32 0.30 -0.06	27.71 0.33 -0.08	28.58 0.20 -0.08	34.34 0.41 -0.09	46.10 0.86 -0.21	58.51 1.52 -0.64	58.13 1.73 -0.66	46.02 1.24 -0.45	39.85 1.08 -0.21	33.49 0.81 -0.17	31.48 0.74 -0.12
MECO_____69_KV_BK1 80468	30.51 1.92 0.00	28.23 1.75 0.00	27.25 1.74 0.00	26.84 1.66 0.00	28.27 1.82 0.00	32.70 2.22 0.00	47.00 3.56 0.00	50.75 3.36 0.00	40.14 1.47 0.00	30.02 0.18 0.00	27.52 -0.33 0.00	25.53 -0.57 0.00	25.12 -0.62 0.00	26.36 -0.59 0.00	26.71 -0.60 0.00	28.31 0.00 0.00	34.52 0.68 0.00	47.56 2.52 0.00	60.80 4.45 0.00	60.15 4.40 0.00	47.88 3.55 0.00	41.53 2.97 0.00	34.85 2.34 0.00	32.74 2.11 0.00
MENANDS___115KV_TB5 355628	29.05 0.46 0.00	26.80 0.32 0.00	25.87 0.36 0.00	25.61 0.43 0.00	26.92 0.48 0.00	30.75 0.27 0.00	43.70 0.26 0.00	47.63 0.24 0.00	38.91 0.23 0.00	29.96 0.12 0.00	28.03 0.17 0.00	26.19 0.08 0.00	25.84 0.10 0.00	27.09 0.13 0.00	27.44 0.14 0.00	28.62 0.31 0.00	34.25 0.41 0.00	45.67 0.63 0.00	56.91 0.56 0.00	56.08 0.33 0.00	44.87 0.53 0.00	39.21 0.66 0.00	32.99 0.49 0.00	31.09 0.46 0.00
MG INDUSTRY___DRP 24185	29.20 0.60 0.00	26.99 0.50 0.00	26.03 0.51 0.00	25.74 0.55 0.00	27.02 0.58 0.00	30.99 0.52 0.00	44.13 0.69 0.00	48.00 0.62 0.00	38.98 0.31 0.00	29.90 0.06 0.00	27.89 0.03 0.00	26.06 -0.05 0.00	25.71 -0.03 0.00	26.96 0.00 0.00	27.34 0.03 0.00	28.51 0.20 0.00	34.18 0.34 0.00	45.76 0.72 0.00	57.25 0.90 0.00	56.52 0.78 0.00	45.14 0.80 0.00	39.37 0.81 0.00	33.16 0.65 0.00	31.24 0.61 0.00



MID___OSWEGATCHIE_HYD 23849	29.31 0.60 -0.11	27.22 0.64 -0.11	26.18 0.59 -0.08	25.85 0.60 -0.06	27.18 0.61 -0.13	31.70 0.88 -0.34	45.98 1.61 -0.93	50.39 1.80 -1.20	40.34 0.97 -0.70	30.67 0.54 -0.30	28.44 0.39 -0.19	26.57 0.37 -0.10	26.10 0.28 -0.08	27.26 0.16 -0.14	27.59 0.11 -0.17	28.51 0.03 -0.17	34.22 0.17 -0.20	45.90 0.41 -0.46	58.86 1.07 -1.44	58.29 1.06 -1.48	45.95 0.62 -1.00	39.64 0.62 -0.47	33.34 0.46 -0.38	31.20 0.31 -0.26
MID___RAQUETTE_HYD 23851	29.14 0.49 -0.06	27.09 0.56 -0.06	26.09 0.54 -0.04	25.77 0.55 -0.03	27.09 0.58 -0.07	31.44 0.79 -0.18	45.40 1.48 -0.49	49.68 1.66 -0.63	39.97 0.93 -0.37	30.59 0.60 -0.16	28.49 0.53 -0.10	26.68 0.52 -0.05	26.22 0.44 -0.04	27.27 0.24 -0.08	27.64 0.25 -0.09	28.46 0.06 -0.09	34.16 0.20 -0.11	45.64 0.36 -0.24	57.72 0.62 -0.76	57.19 0.67 -0.78	45.39 0.53 -0.53	39.34 0.54 -0.25	33.16 0.46 -0.20	31.17 0.40 -0.14
MILLIKEN___1 23584	29.07 0.20 -0.27	27.00 0.26 -0.26	25.94 0.23 -0.19	25.53 0.20 -0.14	26.96 0.21 -0.31	31.68 0.40 -0.82	46.18 0.52 -2.23	50.97 0.71 -2.87	40.80 0.46 -1.66	30.90 0.36 -0.71	28.47 0.17 -0.45	26.53 0.18 -0.24	26.14 0.21 -0.19	27.57 0.27 -0.34	27.97 0.25 -0.41	28.94 0.23 -0.41	34.60 0.27 -0.49	46.50 0.36 -1.10	60.58 0.79 -3.44	60.34 1.06 -3.54	47.34 0.62 -2.38	40.06 0.39 -1.12	33.83 0.42 -0.90	31.62 0.37 -0.62
MILLIKEN___2 23585	29.07 0.20 -0.27	27.00 0.26 -0.26	25.94 0.23 -0.19	25.53 0.20 -0.14	26.96 0.21 -0.31	31.68 0.40 -0.82	46.18 0.52 -2.23	50.97 0.71 -2.87	40.80 0.46 -1.66	30.90 0.36 -0.71	28.47 0.17 -0.45	26.53 0.18 -0.24	26.14 0.21 -0.19	27.57 0.27 -0.34	27.97 0.25 -0.41	28.94 0.23 -0.41	34.60 0.27 -0.49	46.50 0.36 -1.10	60.58 0.79 -3.44	60.34 1.06 -3.54	47.34 0.62 -2.38	40.06 0.39 -1.12	33.83 0.42 -0.90	31.62 0.37 -0.62
MILLIKEN___DIESEL 23629	29.07 0.20 -0.27	27.00 0.26 -0.26	25.94 0.23 -0.19	25.53 0.20 -0.14	26.96 0.21 -0.31	31.68 0.40 -0.82	46.18 0.52 -2.23	50.97 0.71 -2.87	40.80 0.46 -1.66	30.90 0.36 -0.71	28.47 0.17 -0.45	26.53 0.18 -0.24	26.14 0.21 -0.19	27.57 0.27 -0.34	27.97 0.25 -0.41	28.94 0.23 -0.41	34.60 0.27 -0.49	46.50 0.36 -1.10	60.58 0.79 -3.44	60.34 1.06 -3.54	47.34 0.62 -2.38	40.06 0.39 -1.12	33.83 0.42 -0.90	31.62 0.37 -0.62
MILLSEAT___LFGE 323607	28.11 -0.66 -0.17	26.14 -0.50 -0.16	25.53 -0.10 -0.12	24.97 -0.30 -0.09	26.05 -0.58 -0.19	30.61 -0.36 -0.51	43.25 -1.56 -1.38	47.84 -1.33 -1.78	38.74 -0.97 -1.03	30.07 -0.21 -0.44	27.77 -0.36 -0.28	26.28 0.03 -0.15	25.96 0.10 -0.12	27.41 0.24 -0.21	27.70 0.14 -0.26	28.05 -0.51 -0.25	33.40 -0.74 -0.30	44.28 -1.44 -0.68	56.22 -2.26 -2.13	56.21 -1.73 -2.19	43.86 -1.95 -1.48	37.79 -1.47 -0.69	32.54 -0.52 -0.56	30.83 -0.18 -0.39
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	29.51 0.92 0.00	27.30 0.82 0.00	26.26 0.74 0.00	25.86 0.68 0.00	27.08 0.63 0.00	31.14 0.67 0.00	44.35 0.91 0.00	48.24 0.85 0.00	39.83 1.16 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.15 1.04 0.00	26.79 1.06 0.00	28.20 1.24 0.00	28.65 1.34 0.00	29.78 1.47 0.00	35.44 1.59 0.00	46.93 1.89 0.00	58.32 1.97 0.00	57.47 1.73 0.00	45.93 1.60 0.00	40.18 1.62 0.00	33.81 1.30 0.00	31.70 1.07 0.00
MILLWOOD_13_KV_LOAD 356217	29.57 0.97 0.00	27.36 0.87 0.00	26.31 0.79 0.00	25.91 0.73 0.00	27.13 0.69 0.00	31.20 0.73 0.00	44.48 1.04 0.00	48.38 1.00 0.00	39.91 1.24 0.00	30.91 1.07 0.00	29.00 1.14 0.00	27.18 1.07 0.00	26.85 1.11 0.00	28.22 1.27 0.00	28.70 1.39 0.00	29.84 1.53 0.00	35.50 1.66 0.00	47.07 2.03 0.00	58.43 2.08 0.00	57.64 1.90 0.00	46.02 1.68 0.00	40.26 1.70 0.00	33.87 1.37 0.00	31.76 1.13 0.00
MODEL_CITY_ENERGY 24167	27.45 -1.31 -0.17	25.58 -1.06 -0.16	25.02 -0.61 -0.12	24.46 -0.81 -0.09	25.47 -1.16 -0.19	29.88 -1.10 -0.51	41.86 -2.96 -1.38	46.13 -3.03 -1.78	37.54 -2.16 -1.03	29.32 -0.96 -0.44	27.13 -1.00 -0.28	25.68 -0.57 -0.15	25.37 -0.49 -0.12	26.79 -0.38 -0.21	27.13 -0.44 -0.26	27.37 -1.19 -0.25	32.46 -1.69 -0.30	42.97 -2.75 -0.68	54.31 -4.17 -2.14	54.21 -3.73 -2.20	42.44 -3.37 -1.48	36.63 -2.62 -0.69	31.67 -1.40 -0.56	30.16 -0.86 -0.39
MODERN_LFGE___ 323580	27.45 -1.31 -0.17	25.58 -1.06 -0.16	25.02 -0.61 -0.12	24.46 -0.81 -0.09	25.47 -1.16 -0.19	29.88 -1.10 -0.51	41.86 -2.96 -1.38	46.13 -3.03 -1.78	37.54 -2.16 -1.03	29.32 -0.96 -0.44	27.13 -1.00 -0.28	25.68 -0.57 -0.15	25.37 -0.49 -0.12	26.79 -0.38 -0.21	27.13 -0.44 -0.26	27.37 -1.19 -0.25	32.46 -1.69 -0.30	42.97 -2.75 -0.68	54.31 -4.17 -2.14	54.21 -3.73 -2.20	42.44 -3.37 -1.48	36.63 -2.62 -0.69	31.67 -1.40 -0.56	30.16 -0.86 -0.39
MOHAWK_PAPER___DRP 24187	29.31 0.71 0.00	27.04 0.56 0.00	26.10 0.59 0.00	25.84 0.65 0.00	27.18 0.74 0.00	31.05 0.58 0.00	44.22 0.78 0.00	48.15 0.76 0.00	39.25 0.58 0.00	30.14 0.30 0.00	28.19 0.33 0.00	26.32 0.21 0.00	25.97 0.23 0.00	27.22 0.27 0.00	27.55 0.25 0.00	28.79 0.48 0.00	34.49 0.64 0.00	46.12 1.08 0.00	57.53 1.18 0.00	56.69 0.95 0.00	45.36 1.02 0.00	39.60 1.04 0.00	33.29 0.78 0.00	31.40 0.77 0.00
MOHICAN___35_KV_115KV_LD 80490	30.17 1.57 0.00	27.86 1.38 0.00	26.89 1.38 0.00	26.49 1.31 0.00	27.90 1.45 0.00	32.12 1.65 0.00	46.04 2.61 0.00	49.99 2.61 0.00	40.37 1.70 0.00	30.70 0.87 0.00	28.53 0.67 0.00	26.60 0.50 0.00	26.20 0.46 0.00	27.49 0.54 0.00	27.80 0.49 0.00	29.13 0.82 0.00	35.06 1.22 0.00	47.29 2.25 0.00	59.50 3.16 0.00	58.75 3.01 0.00	46.86 2.53 0.00	40.76 2.20 0.00	34.26 1.76 0.00	32.25 1.62 0.00
MONGAUP___HYD 23641	29.51 0.91 0.00	27.33 0.85 0.00	26.21 0.69 0.00	25.89 0.70 0.00	27.13 0.69 0.00	31.32 0.85 0.00	44.65 1.21 0.00	48.62 1.23 0.00	39.72 1.04 0.00	30.58 0.75 0.00	28.64 0.78 0.00	26.81 0.71 0.00	26.49 0.75 0.00	27.84 0.89 0.00	28.29 0.98 0.00	29.44 1.13 0.00	35.13 1.29 0.00	46.84 1.80 0.00	58.54 2.20 0.00	57.81 2.06 0.00	46.16 1.82 0.00	40.14 1.58 0.00	33.87 1.36 0.00	31.79 1.16 0.00
MONTAUK___DIESEL 23721	28.27 -0.31 0.01	26.10 -0.37 0.01	25.07 -0.43 0.01	24.70 -0.48 0.01	25.85 -0.58 0.01	27.29 -0.70 2.48	34.01 -1.35 8.08	44.92 -1.23 1.24	30.95 -0.66 7.07	29.35 -0.48 0.01	27.83 -0.03 0.00	25.91 -0.08 0.12	25.66 0.05 0.13	27.52 0.57 0.00	28.48 1.17 0.00	29.98 1.67 0.00	36.08 2.23 0.00	47.28 2.25 0.01	58.70 2.37 0.01	58.02 2.29 0.01	46.37 2.04 0.01	41.87 3.32 0.00	34.46 1.95 0.00	32.25 1.62 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	27.77 -1.00 -0.17	25.93 -0.72 -0.16	24.97 -0.66 -0.12	24.79 -0.48 -0.09	26.08 -0.56 -0.19	30.77 -0.21 -0.52	43.76 -1.09 -1.41	48.20 -1.00 -1.81	38.99 -0.73 -1.05	30.67 0.39 -0.45	28.39 0.25 -0.28	26.88 0.63 -0.15	26.63 0.77 -0.12	28.17 1.00 -0.22	28.50 0.93 -0.26	28.79 0.23 -0.26	34.15 0.00 -0.31	44.79 -0.95 -0.69	57.45 -1.07 -2.17	57.03 -0.95 -2.24	44.29 -1.55 -1.50	37.49 -1.77 -0.70	32.19 -0.88 -0.57	30.38 -0.64 -0.39



MORRIS_RIDGE___SOLAR 323848	27.98 -0.80 -0.19	26.10 -0.56 -0.17	25.34 -0.31 -0.13	24.85 -0.43 -0.10	26.07 -0.58 -0.21	30.63 -0.40 -0.55	43.51 -1.43 -1.51	47.82 -1.52 -1.95	38.56 -1.24 -1.13	29.75 -0.57 -0.48	27.44 -0.72 -0.30	25.80 -0.47 -0.16	25.53 -0.34 -0.13	26.97 -0.22 -0.23	27.29 -0.30 -0.28	27.82 -0.76 -0.28	33.13 -1.05 -0.33	44.30 -1.49 -0.74	56.76 -1.92 -2.33	56.53 -1.62 -2.40	44.18 -1.77 -1.61	37.81 -1.50 -0.76	32.27 -0.85 -0.61	30.44 -0.61 -0.42
MORTIMER_115KV_TB3 55949	28.28 -0.49 -0.17	26.22 -0.42 -0.16	25.23 -0.41 -0.12	24.89 -0.38 -0.09	26.16 -0.48 -0.19	30.73 -0.24 -0.50	43.81 -1.00 -1.37	48.45 -0.71 -1.77	39.23 -0.46 -1.03	30.18 -0.09 -0.44	27.94 -0.20 -0.27	26.33 0.08 -0.15	25.99 0.13 -0.12	27.38 0.22 -0.21	27.67 0.11 -0.25	28.28 -0.28 -0.25	33.77 -0.37 -0.30	44.50 -1.22 -0.68	57.23 -1.24 -2.12	57.09 -0.84 -2.18	44.65 -1.15 -1.47	38.21 -1.04 -0.69	32.70 -0.36 -0.55	30.86 -0.15 -0.38
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	29.62 1.03 0.00	27.41 0.93 0.00	26.36 0.84 0.00	25.96 0.78 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.39 0.96 0.00	48.34 0.95 0.00	40.03 1.35 0.00	31.06 1.22 0.00	29.17 1.31 0.00	27.34 1.23 0.00	27.03 1.29 0.00	28.44 1.48 0.00	28.89 1.58 0.00	30.04 1.73 0.00	35.67 1.83 0.00	47.16 2.12 0.00	58.54 2.20 0.00	57.69 1.95 0.00	46.07 1.73 0.00	40.33 1.77 0.00	34.00 1.50 0.00	31.86 1.23 0.00
MUNSVILLE_WIND_PWR 323609	30.33 1.54 -0.19	28.23 1.56 -0.18	27.16 1.51 -0.13	26.72 1.43 -0.10	28.11 1.45 -0.22	33.12 2.07 -0.58	48.27 3.26 -1.57	53.11 3.70 -2.02	42.13 2.28 -1.17	31.77 1.43 -0.50	29.15 0.97 -0.31	27.16 0.89 -0.17	26.77 0.90 -0.13	28.17 0.97 -0.24	28.39 0.79 -0.29	29.64 1.05 -0.29	35.64 1.45 -0.34	48.20 2.39 -0.77	62.77 4.00 -2.43	62.86 4.62 -2.50	49.21 3.19 -1.68	41.97 2.62 -0.79	35.15 2.02 -0.63	32.63 1.56 -0.44
N SALMON___HYD 24042	29.31 0.72 0.00	27.28 0.79 0.00	26.33 0.82 0.00	26.06 0.88 0.00	27.39 0.95 0.00	31.72 1.25 0.00	45.69 2.26 0.00	49.90 2.51 0.00	40.30 1.62 0.00	31.03 1.19 0.00	28.97 1.12 0.00	27.26 1.15 0.00	26.74 1.00 0.00	27.74 0.78 0.00	28.13 0.82 0.00	29.07 0.76 0.00	34.90 1.05 0.00	46.75 1.71 0.00	58.77 2.42 0.00	58.03 2.29 0.00	46.06 1.73 0.00	39.91 1.35 0.00	33.51 1.01 0.00	31.43 0.80 0.00
N.AKRON__115KV_KNAPP 355671	28.05 -0.71 -0.17	26.06 -0.58 -0.16	25.10 -0.54 -0.12	24.82 -0.45 -0.09	26.00 -0.63 -0.19	30.58 -0.40 -0.51	42.99 -1.82 -1.38	47.65 -1.52 -1.78	38.66 -1.04 -1.03	30.01 -0.27 -0.44	27.74 -0.39 -0.28	26.25 0.00 -0.15	25.93 0.08 -0.12	27.38 0.22 -0.21	27.67 0.11 -0.26	28.00 -0.57 -0.25	33.33 -0.81 -0.30	43.65 -2.07 -0.68	56.06 -2.42 -2.13	56.04 -1.90 -2.20	43.68 -2.13 -1.48	37.40 -1.85 -0.69	32.35 -0.72 -0.56	30.80 -0.21 -0.39
N.E_GEN_SANDY PD 24062	29.37 0.77 0.00	27.04 0.56 0.00	26.00 0.48 0.00	25.68 0.50 0.00	27.02 0.58 0.00	30.99 0.52 0.00	44.17 0.74 0.00	48.10 0.71 0.00	39.37 0.70 0.00	30.38 0.54 0.00	28.50 0.64 0.00	26.63 0.52 0.00	26.23 0.49 0.00	27.55 0.59 0.00	27.99 0.68 0.00	29.13 0.82 0.00	34.83 0.98 0.00	47.43 1.35 -1.04	57.64 1.30 0.00	56.80 1.06 0.00	45.49 1.15 0.00	39.60 1.04 0.00	33.35 0.84 0.00	31.46 0.83 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	29.51 0.92 0.00	27.30 0.82 0.00	26.23 0.71 0.00	25.86 0.68 0.00	27.08 0.63 0.00	31.14 0.67 0.00	44.39 0.96 0.00	48.24 0.85 0.00	39.79 1.12 0.00	30.82 0.98 0.00	28.92 1.06 0.00	27.13 1.02 0.00	26.79 1.06 0.00	28.20 1.24 0.00	28.65 1.34 0.00	29.75 1.44 0.00	35.40 1.56 0.00	46.93 1.89 0.00	58.32 1.97 0.00	57.47 1.73 0.00	45.93 1.60 0.00	40.14 1.58 0.00	33.81 1.30 0.00	31.70 1.07 0.00
N.QUEENS_27_KV_LOAD 356247	29.77 1.17 0.00	27.49 1.01 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.21 0.77 0.00	31.02 0.55 0.00	44.25 0.83 0.01	48.23 0.85 0.01	39.79 1.12 0.00	31.00 1.16 0.00	29.11 1.25 0.00	27.34 1.23 0.00	27.00 1.26 0.00	28.41 1.46 0.00	28.89 1.58 0.00	30.01 1.70 0.00	35.54 1.69 0.00	47.01 1.98 0.01	58.42 2.08 0.01	57.58 1.84 0.01	45.97 1.64 0.01	40.14 1.58 0.00	33.97 1.46 0.00	31.86 1.23 0.00
N.TROY___115KV_TB1 355778	29.45 0.86 0.00	27.17 0.69 0.00	26.21 0.69 0.00	25.84 0.65 0.00	27.18 0.74 0.00	31.20 0.73 0.00	44.52 1.09 0.00	48.48 1.09 0.00	39.49 0.81 0.00	30.31 0.48 0.00	28.36 0.50 0.00	26.47 0.37 0.00	26.10 0.36 0.00	27.36 0.40 0.00	27.74 0.44 0.00	28.93 0.62 0.00	34.66 0.81 0.00	46.39 1.35 0.00	57.87 1.52 0.00	57.08 1.34 0.00	45.62 1.29 0.00	39.75 1.20 0.00	33.45 0.94 0.00	31.55 0.92 0.00
NARROWS_GT1_1 24228	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
NARROWS_GT1_2 24229	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
NARROWS_GT1_3 24230	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
NARROWS_GT1_4 24231	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
NARROWS_GT1_5 24232	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00



NARROWS_GT1_6 24233	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
NARROWS_GT1_7 24234	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
NARROWS_GT1_8 24235	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
NARROWS_GT2_1 24236	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
NARROWS_GT2_2 24237	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
NARROWS_GT2_3 24238	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
NARROWS_GT2_4 24239	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
NARROWS_GT2_5 24240	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
NARROWS_GT2_6 24241	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
NARROWS_GT2_7 24242	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
NARROWS_GT2_8 24243	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	29.60 1.00 0.00	27.38 0.90 0.00	26.41 0.89 0.00	26.14 0.96 0.00	27.47 1.03 0.00	31.60 1.13 0.00	45.17 1.74 0.00	49.14 1.75 0.00	39.52 0.85 0.00	30.05 0.21 0.00	27.94 0.08 0.00	26.06 -0.05 0.00	25.71 -0.03 0.00	26.98 0.03 0.00	27.36 0.05 0.00	28.65 0.34 0.00	34.46 0.61 0.00	46.57 1.53 0.00	58.60 2.25 0.00	57.81 2.06 0.00	46.11 1.77 0.00	40.10 1.54 0.00	33.81 1.30 0.00	31.83 1.19 0.00
NCHELSEA_115KV_TR2 355582	29.60 1.00 0.00	27.38 0.90 0.00	26.33 0.82 0.00	25.96 0.78 0.00	27.21 0.77 0.00	31.33 0.85 0.00	44.70 1.26 0.00	48.67 1.28 0.00	39.91 1.24 0.00	30.82 0.98 0.00	28.86 1.00 0.00	27.02 0.91 0.00	26.69 0.95 0.00	28.06 1.11 0.00	28.54 1.23 0.00	29.67 1.36 0.00	35.40 1.56 0.00	47.11 2.07 0.00	58.60 2.25 0.00	57.81 2.06 0.00	46.20 1.86 0.00	40.29 1.74 0.00	33.94 1.43 0.00	31.86 1.23 0.00
NEG CAPITAL___MECHNVIL 23645	29.80 1.20 0.00	27.51 1.03 0.00	26.51 0.99 0.00	26.14 0.96 0.00	27.53 1.08 0.00	31.66 1.19 0.00	45.26 1.82 0.00	49.23 1.85 0.00	39.91 1.24 0.00	30.52 0.69 0.00	28.47 0.61 0.00	26.55 0.44 0.00	26.18 0.44 0.00	27.47 0.51 0.00	27.80 0.49 0.00	29.07 0.76 0.00	34.90 1.05 0.00	46.84 1.80 0.00	58.71 2.37 0.00	57.98 2.23 0.00	46.29 1.95 0.00	40.22 1.66 0.00	33.84 1.33 0.00	31.92 1.29 0.00
NEG CENTRAL_HIGH_ACRES 23767	27.85 -0.94 -0.20	25.82 -0.85 -0.18	25.07 -0.59 -0.14	24.58 -0.70 -0.10	25.79 -0.87 -0.22	30.32 -0.73 -0.58	43.59 -1.43 -1.59	48.20 -1.23 -2.05	38.89 -0.97 -1.19	29.81 -0.54 -0.50	27.54 -0.64 -0.32	25.89 -0.39 -0.17	25.54 -0.34 -0.14	26.93 -0.27 -0.24	27.22 -0.38 -0.29	27.89 -0.71 -0.29	33.31 -0.88 -0.35	44.34 -1.49 -0.78	56.88 -1.92 -2.46	56.82 -1.45 -2.53	44.40 -1.64 -1.70	38.00 -1.35 -0.80	32.36 -0.78 -0.64	30.40 -0.67 -0.44



NEG CENTRAL___DRP 24199	28.72 -0.17 -0.30	26.68 -0.08 -0.28	25.65 -0.08 -0.21	25.24 -0.10 -0.16	26.67 -0.11 -0.33	31.45 0.09 -0.89	45.73 -0.13 -2.43	50.57 0.05 -3.13	40.53 0.04 -1.81	30.76 0.15 -0.77	28.32 -0.03 -0.49	26.42 0.05 -0.26	26.05 0.10 -0.21	27.49 0.16 -0.37	27.87 0.11 -0.45	28.70 -0.06 -0.45	34.31 -0.07 -0.53	45.88 -0.36 -1.20	60.04 -0.06 -3.75	59.83 0.22 -3.86	46.76 -0.18 -2.60	39.47 -0.31 -1.22	33.48 0.00 -0.98	31.31 0.00 -0.68
NEG CENTRAL___INDECK 23768	28.07 -0.71 -0.18	26.07 -0.58 -0.17	25.36 -0.28 -0.13	24.82 -0.45 -0.10	26.07 -0.58 -0.21	30.62 -0.40 -0.55	43.89 -1.04 -1.49	48.51 -0.81 -1.93	38.90 -0.89 -1.12	29.74 -0.57 -0.47	27.46 -0.70 -0.30	25.80 -0.47 -0.16	25.45 -0.41 -0.13	26.83 -0.35 -0.23	27.12 -0.46 -0.28	27.73 -0.85 -0.27	33.22 -0.95 -0.33	44.38 -1.40 -0.74	57.19 -1.47 -2.31	57.28 -0.83 -2.38	44.60 -1.33 -1.60	38.19 -1.12 -0.75	32.52 -0.58 -0.60	30.53 -0.52 -0.42
NEG CENTRAL___SENECA 23627	28.69 -0.14 -0.24	26.65 -0.05 -0.22	25.63 -0.05 -0.16	25.25 -0.05 -0.12	26.65 -0.05 -0.26	31.39 0.21 -0.70	45.22 -0.13 -1.91	50.00 0.14 -2.47	40.18 0.08 -1.43	30.71 0.27 -0.61	28.30 0.06 -0.38	26.49 0.18 -0.20	26.14 0.23 -0.16	27.57 0.32 -0.29	27.88 0.22 -0.35	28.66 0.00 -0.35	34.26 0.00 -0.42	45.53 -0.45 -0.94	59.19 -0.11 -2.96	59.01 0.22 -3.04	46.12 -0.27 -2.04	39.09 -0.42 -0.96	33.31 0.03 -0.77	31.23 0.06 -0.54
NEG CENTRAL___STATE_STREET 24147	28.79 -0.14 -0.34	26.70 -0.11 -0.32	25.65 -0.10 -0.24	25.23 -0.13 -0.18	26.72 -0.11 -0.38	31.49 0.00 -1.02	46.17 -0.04 -2.77	51.06 0.09 -3.58	40.78 0.04 -2.07	30.78 0.06 -0.88	28.33 -0.08 -0.55	26.38 -0.03 -0.29	25.98 0.00 -0.24	27.43 0.05 -0.43	27.82 0.00 -0.51	28.76 -0.06 -0.51	34.38 -0.07 -0.61	46.23 -0.18 -1.37	60.75 0.11 -4.29	60.49 0.33 -4.41	47.35 0.04 -2.97	39.83 -0.12 -1.39	33.66 0.03 -1.12	31.41 0.00 -0.78
NEG MILLWOOD___DRP 24198	29.71 1.12 0.00	27.46 0.98 0.00	26.41 0.89 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.45 0.98 0.00	44.91 1.48 0.00	48.90 1.52 0.00	40.14 1.47 0.00	30.97 1.13 0.00	29.03 1.17 0.00	27.15 1.04 0.00	26.85 1.11 0.00	28.20 1.24 0.00	28.67 1.37 0.00	29.84 1.53 0.00	35.57 1.73 0.00	47.34 2.30 0.00	58.82 2.48 0.00	58.03 2.29 0.00	46.38 2.04 0.00	40.49 1.93 0.00	34.07 1.56 0.00	31.95 1.32 0.00
NEG NORTH_FLCN_SEA 23793	29.54 0.94 0.00	27.54 1.06 0.00	26.61 1.10 0.00	26.34 1.16 0.00	27.71 1.27 0.00	32.09 1.62 0.00	46.17 2.74 0.00	50.42 3.03 0.00	40.80 2.13 0.00	31.48 1.64 0.00	29.39 1.53 0.00	27.67 1.57 0.00	27.15 1.42 0.00	28.20 1.24 0.00	28.59 1.28 0.00	29.55 1.25 0.00	35.47 1.62 0.00	47.47 2.43 0.00	59.67 3.32 0.00	58.92 3.18 0.00	46.73 2.39 0.00	40.41 1.85 0.00	33.90 1.40 0.00	31.76 1.13 0.00
NEG NORTH_KES_CHATEGAY 23792	29.11 0.51 0.00	27.09 0.61 0.00	26.15 0.64 0.00	25.89 0.71 0.00	27.21 0.77 0.00	31.48 1.01 0.00	45.22 1.78 0.00	49.33 1.94 0.00	39.99 1.31 0.00	30.82 0.98 0.00	28.78 0.92 0.00	27.05 0.94 0.00	26.59 0.85 0.00	27.63 0.67 0.00	28.02 0.71 0.00	28.96 0.65 0.00	34.76 0.91 0.00	46.48 1.44 0.00	58.37 2.03 0.00	57.64 1.90 0.00	45.80 1.46 0.00	39.64 1.08 0.00	33.29 0.78 0.00	31.24 0.61 0.00
NEG NORTH___ALICE_FALLS 23915	29.51 0.92 0.00	27.51 1.03 0.00	26.59 1.07 0.00	26.31 1.13 0.00	27.69 1.24 0.00	32.09 1.62 0.00	46.17 2.74 0.00	50.42 3.03 0.00	40.76 2.09 0.00	31.42 1.58 0.00	29.36 1.50 0.00	27.62 1.51 0.00	27.10 1.36 0.00	28.11 1.16 0.00	28.54 1.23 0.00	29.50 1.19 0.00	35.44 1.59 0.00	47.47 2.43 0.00	59.67 3.32 0.00	58.92 3.18 0.00	46.78 2.44 0.00	40.41 1.85 0.00	33.90 1.40 0.00	31.73 1.10 0.00
NEG NORTH___LWR_SARANAC 23913	29.51 0.92 0.00	27.51 1.03 0.00	26.59 1.07 0.00	26.31 1.13 0.00	27.69 1.24 0.00	32.09 1.62 0.00	46.17 2.74 0.00	50.42 3.03 0.00	40.76 2.09 0.00	31.42 1.58 0.00	29.36 1.50 0.00	27.62 1.51 0.00	27.10 1.36 0.00	28.11 1.16 0.00	28.54 1.23 0.00	29.50 1.19 0.00	35.44 1.59 0.00	47.47 2.43 0.00	59.67 3.32 0.00	58.92 3.18 0.00	46.78 2.44 0.00	40.41 1.85 0.00	33.90 1.40 0.00	31.73 1.10 0.00
NEG NORTH___PLATTSBURG 23628	29.51 0.91 0.00	27.51 1.03 0.00	26.59 1.07 0.00	26.32 1.13 0.00	27.69 1.24 0.00	32.09 1.61 0.00	46.17 2.74 0.00	50.42 3.04 0.00	40.76 2.09 0.00	31.42 1.58 0.00	29.36 1.50 0.00	27.62 1.51 0.00	27.10 1.36 0.00	28.11 1.16 0.00	28.54 1.23 0.00	29.50 1.19 0.00	35.44 1.59 0.00	47.47 2.43 0.00	59.67 3.32 0.00	58.92 3.18 0.00	46.77 2.44 0.00	40.41 1.85 0.00	33.90 1.40 0.00	31.73 1.10 0.00
NEG WEST_LEA_LOCKPORT 23791	27.68 -1.09 -0.17	25.77 -0.87 -0.16	24.79 -0.84 -0.12	24.51 -0.76 -0.09	25.66 -0.98 -0.19	30.16 -0.82 -0.51	42.17 -2.65 -1.38	46.56 -2.61 -1.78	37.89 -1.82 -1.03	29.59 -0.69 -0.44	27.38 -0.75 -0.28	25.92 -0.34 -0.15	25.60 -0.26 -0.12	27.03 -0.13 -0.21	27.35 -0.22 -0.26	27.63 -0.93 -0.25	32.76 -1.39 -0.30	42.84 -2.88 -0.68	54.88 -3.61 -2.14	54.77 -3.18 -2.20	42.80 -3.01 -1.48	36.67 -2.58 -0.69	31.83 -1.24 -0.56	30.41 -0.61 -0.39
NEG WEST___LANCASTR 23811	27.51 -1.26 -0.17	25.66 -0.98 -0.16	24.64 -1.00 -0.12	24.36 -0.91 -0.09	25.53 -1.11 -0.19	30.07 -0.91 -0.52	42.41 -2.43 -1.41	46.74 -2.46 -1.82	37.91 -1.82 -1.05	29.60 -0.69 -0.45	27.39 -0.75 -0.28	25.89 -0.37 -0.15	25.60 -0.26 -0.12	27.06 -0.11 -0.22	27.38 -0.19 -0.26	27.72 -0.85 -0.26	32.87 -1.29 -0.31	43.21 -2.52 -0.69	55.48 -3.04 -2.18	55.20 -2.79 -2.24	43.18 -2.66 -1.51	36.76 -2.51 -0.71	31.74 -1.33 -0.57	30.14 -0.89 -0.39
NEG_PENN_ALLEGHNY 23528	28.85 0.06 -0.19	26.80 0.13 -0.18	25.80 0.15 -0.13	25.36 0.08 -0.10	26.71 0.05 -0.22	31.23 0.18 -0.58	45.09 0.09 -1.57	49.51 0.09 -2.02	39.96 0.12 -1.17	30.57 0.24 -0.50	28.31 0.14 -0.31	26.48 0.21 -0.17	26.11 0.23 -0.13	27.52 0.32 -0.24	27.90 0.30 -0.29	28.77 0.17 -0.29	34.32 0.14 -0.34	45.90 0.09 -0.77	58.94 0.17 -2.43	58.52 0.28 -2.50	46.15 0.13 -1.68	39.42 0.08 -0.79	33.33 0.20 -0.63	31.25 0.18 -0.44
NEG___GEN_MONROE 24207	28.39 -0.37 -0.17	26.32 -0.32 -0.16	25.35 -0.28 -0.12	25.02 -0.25 -0.09	26.26 -0.37 -0.19	30.88 -0.09 -0.50	43.90 -0.91 -1.37	48.54 -0.62 -1.77	39.31 -0.39 -1.03	30.24 -0.03 -0.44	27.97 -0.17 -0.27	26.36 0.10 -0.15	26.04 0.18 -0.12	27.44 0.27 -0.21	27.70 0.14 -0.25	28.25 -0.31 -0.25	33.71 -0.44 -0.30	44.41 -1.31 -0.68	57.11 -1.35 -2.12	57.04 -0.89 -2.18	44.56 -1.24 -1.47	38.13 -1.12 -0.69	32.77 -0.29 -0.55	30.98 -0.03 -0.38
NEPA___ENERGY 23901	27.91 -0.86 -0.17	26.06 -0.58 -0.16	25.00 -0.64 -0.12	24.72 -0.55 -0.09	25.92 -0.71 -0.19	30.53 -0.46 -0.52	43.02 -1.82 -1.41	47.26 -1.94 -1.81	38.33 -1.39 -1.05	29.96 -0.33 -0.45	27.75 -0.39 -0.28	26.28 0.03 -0.15	25.99 0.13 -0.12	27.49 0.32 -0.22	27.79 0.22 -0.26	28.11 -0.45 -0.26	33.34 -0.81 -0.31	43.84 -1.89 -0.69	56.27 -2.25 -2.17	55.97 -2.01 -2.24	43.80 -2.04 -1.50	37.22 -2.04 -0.71	32.16 -0.91 -0.57	30.53 -0.49 -0.39



NEVERSINK___HYD 23608	29.65 1.06 0.00	27.46 0.98 0.00	26.33 0.82 0.00	26.01 0.83 0.00	27.24 0.79 0.00	31.48 1.00 0.00	44.91 1.48 0.00	48.90 1.52 0.00	39.99 1.32 0.00	30.82 0.98 0.00	28.83 0.97 0.00	27.02 0.91 0.00	26.66 0.93 0.00	28.06 1.11 0.00	28.51 1.20 0.00	29.64 1.33 0.00	35.37 1.52 0.00	47.07 2.03 0.00	58.82 2.48 0.00	58.08 2.34 0.00	46.38 2.04 0.00	40.37 1.81 0.00	34.03 1.53 0.00	31.92 1.29 0.00
NEWKRMKL_115KV_TB1 55635	28.91 0.31 0.00	26.67 0.19 0.00	25.75 0.23 0.00	25.53 0.35 0.00	26.84 0.40 0.00	30.62 0.15 0.00	43.48 0.04 0.00	47.39 0.00 0.00	38.71 0.04 0.00	29.81 -0.03 0.00	27.89 0.03 0.00	26.06 -0.05 0.00	25.71 -0.03 0.00	26.93 -0.03 0.00	27.31 0.00 0.00	28.48 0.17 0.00	34.05 0.20 0.00	45.36 0.32 0.00	56.57 0.23 0.00	55.80 0.06 0.00	44.60 0.27 0.00	38.98 0.42 0.00	32.83 0.33 0.00	30.94 0.31 0.00
NEWTON___FALLS_HYD 23847	29.31 0.60 -0.11	27.22 0.64 -0.11	26.18 0.59 -0.08	25.85 0.60 -0.06	27.18 0.61 -0.13	31.70 0.88 -0.34	45.98 1.61 -0.93	50.39 1.80 -1.20	40.34 0.97 -0.70	30.67 0.54 -0.30	28.44 0.39 -0.19	26.57 0.37 -0.10	26.10 0.28 -0.08	27.26 0.16 -0.14	27.59 0.11 -0.17	28.51 0.03 -0.17	34.22 0.17 -0.20	45.90 0.41 -0.46	58.86 1.07 -1.44	58.29 1.06 -1.48	45.95 0.62 -1.00	39.64 0.62 -0.47	33.34 0.46 -0.38	31.20 0.31 -0.26
NGRID_A1_DSASP 323792	27.76 -1.00 -0.17	25.90 -0.74 -0.16	25.28 -0.36 -0.12	24.72 -0.55 -0.09	25.73 -0.90 -0.19	30.18 -0.79 -0.50	41.51 -3.30 -1.38	45.70 -3.46 -1.77	37.23 -2.48 -1.03	29.14 -1.13 -0.44	26.96 -1.17 -0.28	25.52 -0.73 -0.15	25.24 -0.62 -0.12	26.63 -0.54 -0.21	26.96 -0.60 -0.26	27.20 -1.36 -0.25	32.22 -1.93 -0.30	42.61 -3.11 -0.68	53.74 -4.73 -2.13	53.64 -4.29 -2.19	42.08 -3.72 -1.47	36.36 -2.89 -0.69	31.47 -1.59 -0.55	30.49 -0.52 -0.39
NGRID_A2_DSASP 323793	27.76 -1.00 -0.17	25.90 -0.74 -0.16	25.28 -0.36 -0.12	24.72 -0.55 -0.09	25.73 -0.90 -0.19	30.18 -0.79 -0.50	41.51 -3.30 -1.38	45.70 -3.46 -1.77	37.23 -2.48 -1.03	29.14 -1.13 -0.44	26.96 -1.17 -0.28	25.52 -0.73 -0.15	25.24 -0.62 -0.12	26.63 -0.54 -0.21	26.96 -0.60 -0.26	27.20 -1.36 -0.25	32.22 -1.93 -0.30	42.61 -3.11 -0.68	53.74 -4.73 -2.13	53.64 -4.29 -2.19	42.08 -3.72 -1.47	36.36 -2.89 -0.69	31.47 -1.59 -0.55	30.49 -0.52 -0.39
NGRID_A4_DSASP 323807	27.76 -1.00 -0.17	25.90 -0.74 -0.16	25.28 -0.36 -0.12	24.72 -0.55 -0.09	25.73 -0.90 -0.19	30.18 -0.79 -0.50	41.51 -3.30 -1.38	45.70 -3.46 -1.77	37.23 -2.48 -1.03	29.14 -1.13 -0.44	26.96 -1.17 -0.28	25.52 -0.73 -0.15	25.24 -0.62 -0.12	26.63 -0.54 -0.21	26.96 -0.60 -0.26	27.20 -1.36 -0.25	32.22 -1.93 -0.30	42.61 -3.11 -0.68	53.74 -4.73 -2.13	53.64 -4.29 -2.19	42.08 -3.72 -1.47	36.36 -2.89 -0.69	31.47 -1.59 -0.55	30.49 -0.52 -0.39
NIAGARA_115E_LBMP 323715	27.34 -1.43 -0.17	25.48 -1.16 -0.16	24.92 -0.71 -0.12	24.36 -0.91 -0.09	25.34 -1.30 -0.19	29.73 -1.25 -0.51	41.65 -3.17 -1.38	45.85 -3.32 -1.78	37.31 -2.40 -1.03	29.17 -1.10 -0.44	26.99 -1.14 -0.28	25.55 -0.70 -0.15	25.27 -0.59 -0.12	26.65 -0.51 -0.21	26.99 -0.57 -0.26	27.23 -1.33 -0.25	32.29 -1.86 -0.30	42.70 -3.02 -0.68	53.97 -4.51 -2.13	53.82 -4.12 -2.20	42.18 -3.63 -1.48	36.44 -2.81 -0.69	31.50 -1.56 -0.56	30.01 -1.01 -0.39
NIAGARA_115W_LBMP 323714	27.74 -1.03 -0.17	25.87 -0.77 -0.16	25.25 -0.38 -0.12	24.69 -0.58 -0.09	25.71 -0.93 -0.19	30.16 -0.82 -0.50	41.42 -3.39 -1.38	45.61 -3.55 -1.77	37.15 -2.55 -1.03	29.05 -1.22 -0.44	26.91 -1.23 -0.27	25.47 -0.78 -0.15	25.16 -0.69 -0.12	26.57 -0.59 -0.21	26.88 -0.68 -0.26	27.12 -1.44 -0.25	32.12 -2.03 -0.30	42.47 -3.24 -0.68	53.62 -4.85 -2.13	53.47 -4.46 -2.19	41.95 -3.86 -1.47	36.28 -2.97 -0.69	31.40 -1.66 -0.55	30.47 -0.55 -0.38
NIAGARA_230_LBMP 323716	27.65 -1.12 -0.17	25.77 -0.87 -0.16	25.15 -0.49 -0.12	24.56 -0.70 -0.09	25.60 -1.03 -0.19	30.06 -0.91 -0.50	42.02 -2.78 -1.37	46.26 -2.89 -1.77	37.65 -2.05 -1.02	29.44 -0.84 -0.43	27.27 -0.86 -0.27	25.81 -0.44 -0.15	25.50 -0.36 -0.12	26.92 -0.24 -0.21	27.24 -0.33 -0.25	27.51 -1.05 -0.25	32.59 -1.56 -0.30	43.10 -2.61 -0.67	54.40 -4.06 -2.12	54.24 -3.68 -2.18	42.61 -3.19 -1.46	36.78 -2.47 -0.69	31.82 -1.24 -0.55	30.31 -0.70 -0.38
NIAGARA___115KV_198_GIBSON 55903	27.73 -1.03 -0.17	25.82 -0.82 -0.16	24.84 -0.79 -0.12	24.56 -0.71 -0.09	25.71 -0.93 -0.19	30.15 -0.82 -0.50	41.25 -3.56 -1.38	45.51 -3.65 -1.77	37.15 -2.55 -1.03	29.05 -1.22 -0.44	26.91 -1.23 -0.27	25.47 -0.78 -0.15	25.16 -0.69 -0.12	26.57 -0.59 -0.21	26.88 -0.68 -0.26	27.12 -1.44 -0.25	32.12 -2.03 -0.30	41.89 -3.83 -0.68	53.62 -4.85 -2.13	53.47 -4.46 -2.19	41.91 -3.90 -1.47	35.93 -3.32 -0.69	31.27 -1.79 -0.55	30.46 -0.55 -0.38
NIAGARA____ 23760	27.65 -1.12 -0.17	25.77 -0.87 -0.16	25.15 -0.49 -0.12	24.56 -0.70 -0.09	25.60 -1.03 -0.19	30.07 -0.91 -0.51	42.03 -2.78 -1.38	46.27 -2.89 -1.77	37.65 -2.05 -1.03	29.44 -0.84 -0.44	27.27 -0.86 -0.28	25.81 -0.44 -0.15	25.50 -0.36 -0.12	26.92 -0.24 -0.21	27.24 -0.33 -0.26	27.51 -1.05 -0.25	32.59 -1.56 -0.30	43.10 -2.61 -0.68	54.41 -4.06 -2.12	54.25 -3.68 -2.19	42.61 -3.19 -1.47	36.78 -2.47 -0.69	31.83 -1.24 -0.56	30.31 -0.70 -0.39
NINE_MILE_1 23575	25.78 -0.80 2.02	23.88 -0.71 1.89	23.46 -0.66 1.39	23.45 -0.68 1.05	23.45 -0.74 2.25	23.68 -0.79 6.00	25.90 -1.17 16.37	25.06 -1.23 21.10	25.44 -1.01 12.23	23.87 -0.78 5.19	23.84 -0.75 3.27	23.69 -0.68 1.73	23.66 -0.67 1.41	23.77 -0.67 2.51	23.56 -0.71 3.04	24.57 -0.74 3.00	29.36 -0.91 3.57	35.72 -1.26 8.06	29.58 -1.47 25.30	28.32 -1.39 26.03	25.65 -1.20 17.49	29.31 -1.04 8.20	25.06 -0.85 6.60	25.25 -0.80 4.58
NINE_MILE_2 23744	25.74 -0.80 2.05	23.85 -0.71 1.92	23.43 -0.66 1.42	23.44 -0.68 1.07	23.41 -0.74 2.29	23.58 -0.79 6.10	25.62 -1.17 16.65	24.70 -1.23 21.46	25.23 -1.01 12.44	23.78 -0.78 5.28	23.78 -0.75 3.33	23.66 -0.68 1.76	23.64 -0.67 1.43	23.73 -0.67 2.55	23.51 -0.71 3.09	24.52 -0.74 3.05	29.30 -0.91 3.63	35.58 -1.26 8.20	29.15 -1.47 25.73	27.88 -1.39 26.47	25.35 -1.20 17.79	29.18 -1.04 8.34	24.95 -0.85 6.71	25.17 -0.80 4.66
NM_CAPITAL___DRP 24208	29.00 0.40 0.00	26.75 0.26 0.00	25.80 0.28 0.00	25.56 0.38 0.00	26.89 0.45 0.00	30.69 0.21 0.00	43.61 0.17 0.00	47.53 0.14 0.00	38.83 0.15 0.00	29.90 0.06 0.00	27.97 0.11 0.00	26.13 0.03 0.00	25.79 0.05 0.00	27.04 0.08 0.00	27.39 0.08 0.00	28.56 0.25 0.00	34.18 0.34 0.00	45.54 0.50 0.00	56.74 0.39 0.00	55.97 0.22 0.00	44.74 0.40 0.00	39.10 0.54 0.00	32.90 0.39 0.00	31.03 0.40 0.00
NM_CENTRAL___DRP 24181	28.59 -0.26 -0.26	26.51 -0.21 -0.24	25.49 -0.20 -0.18	25.09 -0.23 -0.13	26.49 -0.24 -0.29	31.02 -0.21 -0.76	45.13 -0.39 -2.08	49.74 -0.33 -2.69	40.04 -0.19 -1.56	30.38 -0.12 -0.66	28.08 -0.20 -0.42	26.17 -0.16 -0.22	25.79 -0.13 -0.18	27.17 -0.11 -0.32	27.56 -0.14 -0.39	28.55 -0.14 -0.38	34.06 -0.24 -0.45	45.62 -0.45 -1.03	59.17 -0.39 -3.22	58.78 -0.28 -3.31	46.25 -0.31 -2.23	39.26 -0.35 -1.04	33.15 -0.20 -0.84	31.03 -0.18 -0.58



NM_FRONTIER___DRP 24179	27.73 -1.03 -0.17	25.82 -0.82 -0.16	24.84 -0.79 -0.12	24.56 -0.71 -0.09	25.71 -0.93 -0.19	30.15 -0.82 -0.50	41.25 -3.56 -1.38	45.51 -3.65 -1.77	37.15 -2.55 -1.03	29.05 -1.22 -0.44	26.91 -1.23 -0.27	25.47 -0.78 -0.15	25.16 -0.69 -0.12	26.57 -0.59 -0.21	26.88 -0.68 -0.26	27.12 -1.44 -0.25	32.12 -2.03 -0.30	41.89 -3.83 -0.68	53.62 -4.85 -2.13	53.47 -4.46 -2.19	41.91 -3.90 -1.47	35.93 -3.32 -0.69	31.27 -1.79 -0.55	30.46 -0.55 -0.38
NM_ST_REGIS___HYD 24053	29.22 0.57 -0.05	27.17 0.64 -0.05	26.17 0.61 -0.04	25.86 0.65 -0.03	27.19 0.69 -0.06	31.58 0.94 -0.16	45.62 1.74 -0.45	49.86 1.90 -0.58	40.13 1.12 -0.33	30.73 0.75 -0.14	28.64 0.70 -0.09	26.86 0.70 -0.05	26.37 0.59 -0.04	27.43 0.40 -0.07	27.80 0.41 -0.08	28.65 0.25 -0.08	34.38 0.44 -0.10	45.98 0.72 -0.22	58.16 1.13 -0.69	57.57 1.11 -0.71	45.70 0.89 -0.48	39.55 0.77 -0.22	33.30 0.62 -0.18	31.28 0.52 -0.12
NORTHPORT___1 23551	29.16 0.57 0.01	26.92 0.45 0.01	25.79 0.28 0.01	25.45 0.28 0.01	26.67 0.24 0.01	30.77 0.30 0.01	43.73 0.31 0.01	46.47 0.33 1.25	39.56 0.89 0.01	30.49 0.66 0.01	28.75 0.89 0.00	26.92 0.81 0.00	26.58 0.85 0.01	28.14 1.18 0.00	28.78 1.47 0.00	30.09 1.78 0.00	35.95 2.10 0.00	46.34 1.31 0.01	57.52 1.19 0.01	56.74 1.00 0.01	45.39 1.06 0.01	41.10 2.54 0.00	33.93 1.43 0.00	31.82 1.19 0.00
NORTHPORT___2 23552	29.16 0.57 0.01	26.92 0.45 0.01	25.79 0.28 0.01	25.45 0.28 0.01	26.67 0.24 0.01	30.77 0.30 0.01	43.73 0.31 0.01	46.47 0.33 1.25	39.56 0.89 0.01	30.49 0.66 0.01	28.75 0.89 0.00	26.92 0.81 0.00	26.58 0.85 0.01	28.14 1.18 0.00	28.78 1.47 0.00	30.09 1.78 0.00	35.95 2.10 0.00	46.34 1.31 0.01	57.52 1.19 0.01	56.74 1.00 0.01	45.39 1.06 0.01	41.10 2.54 0.00	33.93 1.43 0.00	31.82 1.19 0.00
NORTHPORT___3 23553	28.59 0.00 0.01	26.40 -0.08 0.01	25.30 -0.21 0.01	24.95 -0.23 0.01	26.15 -0.29 0.01	29.99 -0.61 -0.12	42.67 -0.87 -0.10	45.47 -0.66 1.25	38.41 -0.35 -0.09	29.89 0.06 0.01	28.19 0.34 0.00	26.40 0.29 -0.01	26.02 0.28 0.00	27.58 0.62 0.00	28.21 0.90 0.00	29.47 1.16 0.00	35.20 1.36 0.00	45.21 0.18 0.02	56.27 -0.06 0.02	55.51 -0.22 0.02	44.32 0.00 0.02	40.18 1.62 0.00	33.25 0.75 0.00	31.15 0.52 0.00
NORTHPORT___4 23650	28.59 0.00 0.01	26.40 -0.08 0.01	25.30 -0.21 0.01	24.95 -0.23 0.01	26.15 -0.29 0.01	29.99 -0.61 -0.12	42.67 -0.87 -0.10	45.47 -0.66 1.25	38.41 -0.35 -0.09	29.89 0.06 0.01	28.19 0.34 0.00	26.40 0.29 -0.01	26.02 0.28 0.00	27.58 0.62 0.00	28.21 0.90 0.00	29.47 1.16 0.00	35.20 1.36 0.00	45.21 0.18 0.02	56.27 -0.06 0.02	55.51 -0.22 0.02	44.32 0.00 0.02	40.18 1.62 0.00	33.25 0.75 0.00	31.15 0.52 0.00
NORTHPORT___IC 23718	29.16 0.57 0.01	26.92 0.45 0.01	25.87 0.36 0.01	25.48 0.30 0.01	26.67 0.24 0.01	30.77 0.30 0.01	43.91 0.48 0.01	46.47 0.33 1.25	39.56 0.89 0.01	30.49 0.66 0.01	28.78 0.92 0.00	26.92 0.81 0.00	26.58 0.85 0.01	28.11 1.16 0.00	28.81 1.50 0.00	30.09 1.78 0.00	35.94 2.10 0.00	46.47 1.44 0.01	57.52 1.18 0.01	56.74 1.00 0.01	45.39 1.06 0.01	41.10 2.54 0.00	34.03 1.53 0.00	31.83 1.19 0.00
NORTH___COUNTRY_ESR 323785	29.05 0.46 0.00	27.04 0.56 0.00	26.10 0.59 0.00	25.83 0.65 0.00	27.16 0.71 0.00	31.39 0.91 0.00	45.09 1.65 0.00	49.23 1.85 0.00	39.91 1.24 0.00	30.79 0.95 0.00	28.75 0.89 0.00	27.02 0.91 0.00	26.56 0.82 0.00	27.60 0.65 0.00	27.99 0.68 0.00	28.93 0.62 0.00	34.69 0.85 0.00	46.39 1.35 0.00	58.20 1.86 0.00	57.53 1.78 0.00	45.67 1.33 0.00	39.56 1.00 0.00	33.22 0.71 0.00	31.18 0.55 0.00
NPX_GEN_1385_PROXY 323591	29.16 0.57 0.01	26.92 0.45 0.01	25.79 0.28 0.01	25.45 0.28 0.01	26.67 0.24 0.01	30.77 0.30 0.01	43.73 0.31 0.01	46.47 0.33 1.25	39.56 0.89 0.01	30.49 0.66 0.01	28.75 0.89 0.00	26.92 0.81 0.00	26.58 0.85 0.01	28.14 1.18 0.00	28.78 1.47 0.00	30.09 1.78 0.00	35.95 2.10 0.00	46.34 1.31 0.01	57.52 1.19 0.01	56.74 1.00 0.01	45.39 1.06 0.01	41.10 2.54 0.00	33.93 1.43 0.00	31.82 1.19 0.00
NPX_GEN_CSC 323557	28.53 -0.06 0.01	26.37 -0.11 0.01	25.25 -0.26 0.01	24.90 -0.28 0.01	26.12 -0.32 0.01	27.56 -0.43 2.49	35.96 -0.70 6.78	45.63 -0.52 1.24	32.67 -0.08 5.92	29.83 0.00 0.01	28.14 0.28 0.00	26.19 0.21 0.12	25.84 0.23 0.13	27.55 0.59 0.00	28.26 0.96 0.00	29.61 1.30 0.00	35.40 1.56 0.00	45.98 0.95 0.01	57.12 0.79 0.01	56.41 0.67 0.01	45.13 0.80 0.01	40.72 2.16 0.00	33.48 0.97 0.00	31.34 0.71 0.00
NSINS_S_GLNS_FALLS 23858	30.17 1.57 0.00	27.86 1.38 0.00	26.89 1.38 0.00	26.49 1.31 0.00	27.90 1.45 0.00	32.12 1.65 0.00	46.04 2.61 0.00	49.99 2.61 0.00	40.37 1.70 0.00	30.70 0.87 0.00	28.56 0.70 0.00	26.60 0.50 0.00	26.23 0.49 0.00	27.49 0.54 0.00	27.80 0.49 0.00	29.13 0.82 0.00	35.06 1.22 0.00	47.34 2.30 0.00	59.50 3.16 0.00	58.75 3.01 0.00	46.86 2.53 0.00	40.76 2.20 0.00	34.26 1.76 0.00	32.25 1.62 0.00
NUCOR_STEEL___DRP 24197	28.86 -0.09 -0.36	26.76 -0.05 -0.33	25.71 -0.05 -0.25	25.29 -0.08 -0.18	26.79 -0.05 -0.40	31.59 0.06 -1.06	46.32 0.00 -2.88	51.25 0.14 -3.72	40.90 0.08 -2.15	30.81 0.06 -0.91	28.38 -0.06 -0.58	26.41 0.00 -0.31	26.01 0.03 -0.25	27.45 0.05 -0.44	27.87 0.03 -0.53	28.81 -0.03 -0.53	34.44 -0.03 -0.63	46.33 -0.14 -1.42	60.91 0.11 -4.46	60.66 0.33 -4.59	47.51 0.09 -3.08	39.97 -0.04 -1.45	33.73 0.07 -1.16	31.50 0.06 -0.81
NUMBER_THREE_WT_PWR 323818	29.48 0.74 -0.14	27.35 0.74 -0.13	26.30 0.69 -0.10	25.93 0.68 -0.07	27.29 0.69 -0.16	31.90 1.00 -0.42	46.36 1.78 -1.14	50.85 1.99 -1.47	40.61 1.08 -0.85	30.77 0.57 -0.36	28.45 0.36 -0.23	26.52 0.29 -0.12	26.09 0.26 -0.10	27.32 0.19 -0.18	27.63 0.11 -0.21	28.74 0.23 -0.21	34.50 0.41 -0.25	46.42 0.81 -0.56	59.80 1.69 -1.77	59.07 1.51 -1.82	46.36 0.80 -1.22	39.71 0.58 -0.57	33.32 0.36 -0.46	31.07 0.12 -0.32
NYISO_LBMP_REFERENCE 24008	28.59 0.00 0.00	26.48 0.00 0.00	25.52 0.00 0.00	25.18 0.00 0.00	26.44 0.00 0.00	30.47 0.00 0.00	43.44 0.00 0.00	47.39 0.00 0.00	38.67 0.00 0.00	29.84 0.00 0.00	27.86 0.00 0.00	26.11 0.00 0.00	25.74 0.00 0.00	26.96 0.00 0.00	27.31 0.00 0.00	28.31 0.00 0.00	33.85 0.00 0.00	45.04 0.00 0.00	56.34 0.00 0.00	55.74 0.00 0.00	44.34 0.00 0.00	38.56 0.00 0.00	32.51 0.00 0.00	30.63 0.00 0.00
NYPA_BRENTWD____GT 24164	29.36 0.77 0.01	27.08 0.61 0.01	25.97 0.46 0.01	25.60 0.43 0.01	26.83 0.40 0.01	30.77 0.55 0.25	43.79 0.56 0.21	46.46 0.29 1.21	39.41 0.93 0.19	30.66 0.83 0.01	28.94 1.09 0.00	27.11 1.02 0.01	26.72 1.00 0.02	28.28 1.32 0.00	28.97 1.67 0.00	30.26 1.95 0.00	36.21 2.37 0.00	46.92 1.89 0.01	58.36 2.03 0.01	57.57 1.84 0.01	45.97 1.64 0.01	41.49 2.93 0.00	34.19 1.69 0.00	32.07 1.44 0.00



NYPA_GOWANUS____GT5 24156	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
NYPA_GOWANUS____GT6 24157	29.82 1.23 0.00	27.54 1.06 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.04 0.61 0.01	47.90 0.52 0.01	39.64 0.97 0.00	30.85 1.02 0.00	28.97 1.12 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.75 1.45 0.00	29.89 1.58 0.00	35.47 1.62 0.00	46.70 1.67 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00
NYPA_HARLEM__RVR__GT1 24160	29.71 1.11 0.00	27.41 0.93 0.00	26.28 0.76 0.00	25.91 0.73 0.00	27.16 0.71 0.00	30.99 0.52 0.00	44.12 0.69 0.01	48.09 0.71 0.01	39.71 1.04 0.01	30.90 1.07 0.01	29.02 1.17 0.01	27.25 1.15 0.01	26.94 1.21 0.01	28.32 1.37 0.01	28.80 1.50 0.01	29.91 1.61 0.01	35.46 1.62 0.01	46.79 1.75 0.01	58.25 1.92 0.01	57.41 1.67 0.01	45.84 1.51 0.01	40.02 1.46 0.00	33.90 1.40 0.00	31.79 1.16 0.00
NYPA_HARLEM__RVR__GT2 24161	29.71 1.11 0.00	27.41 0.93 0.00	26.28 0.76 0.00	25.91 0.73 0.00	27.16 0.71 0.00	30.99 0.52 0.00	44.12 0.69 0.01	48.09 0.71 0.01	39.71 1.04 0.01	30.90 1.07 0.01	29.02 1.17 0.01	27.25 1.15 0.01	26.94 1.21 0.01	28.32 1.37 0.01	28.80 1.50 0.01	29.91 1.61 0.01	35.46 1.62 0.01	46.79 1.75 0.01	58.25 1.92 0.01	57.41 1.67 0.01	45.84 1.51 0.01	40.02 1.46 0.00	33.90 1.40 0.00	31.79 1.16 0.00
NYPA_KENT____GT 24152	29.77 1.17 0.00	27.49 1.01 0.00	26.38 0.87 0.00	26.01 0.83 0.00	27.26 0.82 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.99 0.61 0.01	39.75 1.08 0.00	30.94 1.10 0.00	29.06 1.20 0.00	27.28 1.18 0.00	26.95 1.21 0.00	28.36 1.40 0.00	28.84 1.53 0.00	29.95 1.64 0.00	35.54 1.69 0.00	46.79 1.75 0.01	58.19 1.86 0.01	57.35 1.62 0.01	45.79 1.46 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.89 1.26 0.00
NYPA_POUCH1____GT 24155	29.80 1.20 0.00	27.51 1.03 0.00	26.38 0.87 0.00	26.01 0.83 0.00	27.26 0.82 0.00	31.08 0.61 0.00	43.82 0.39 0.01	47.67 0.29 0.01	39.49 0.81 0.00	30.73 0.89 0.00	28.86 1.00 0.00	27.07 0.97 0.00	26.77 1.03 0.00	28.17 1.21 0.00	28.65 1.34 0.00	29.78 1.47 0.00	35.33 1.49 0.00	46.43 1.40 0.01	57.80 1.46 0.01	56.96 1.22 0.01	45.53 1.20 0.01	39.99 1.43 0.00	33.90 1.40 0.00	31.86 1.23 0.00
NYPA_VERNON____GT2 24162	29.71 1.11 0.00	27.46 0.98 0.00	26.33 0.82 0.00	25.96 0.78 0.00	27.21 0.77 0.00	31.14 0.67 0.00	44.16 0.74 0.01	48.09 0.71 0.01	39.87 1.20 0.00	31.03 1.19 0.00	29.14 1.28 0.00	27.36 1.25 0.00	27.03 1.29 0.00	28.44 1.48 0.00	28.92 1.61 0.00	30.04 1.73 0.00	35.60 1.76 0.00	46.88 1.85 0.01	58.31 1.97 0.01	57.41 1.67 0.01	45.88 1.55 0.01	40.14 1.58 0.00	33.97 1.46 0.00	31.86 1.23 0.00
NYPA_VERNON____GT3 24163	29.71 1.11 0.00	27.46 0.98 0.00	26.33 0.82 0.00	25.96 0.78 0.00	27.21 0.77 0.00	31.14 0.67 0.00	44.16 0.74 0.01	48.09 0.71 0.01	39.87 1.20 0.00	31.03 1.19 0.00	29.14 1.28 0.00	27.36 1.25 0.00	27.03 1.29 0.00	28.44 1.48 0.00	28.92 1.61 0.00	30.04 1.73 0.00	35.60 1.76 0.00	46.88 1.85 0.01	58.31 1.97 0.01	57.41 1.67 0.01	45.88 1.55 0.01	40.14 1.58 0.00	33.97 1.46 0.00	31.86 1.23 0.00
NYPA____ASTORIA_CC1 323568	29.68 1.09 0.00	27.43 0.95 0.00	26.31 0.79 0.00	25.94 0.75 0.00	27.18 0.74 0.00	31.08 0.61 0.00	44.08 0.65 0.01	47.99 0.61 0.01	39.80 1.12 0.00	31.00 1.16 0.00	29.11 1.25 0.00	27.34 1.23 0.00	27.00 1.26 0.00	28.41 1.45 0.00	28.86 1.56 0.00	30.01 1.70 0.00	35.54 1.69 0.00	46.74 1.71 0.01	58.19 1.86 0.01	57.29 1.56 0.01	45.79 1.46 0.01	40.06 1.50 0.00	33.93 1.43 0.00	31.82 1.19 0.00
NYPA____ASTORIA_CC2 323569	29.68 1.09 0.00	27.43 0.95 0.00	26.31 0.79 0.00	25.94 0.75 0.00	27.18 0.74 0.00	31.08 0.61 0.00	44.08 0.65 0.01	47.99 0.61 0.01	39.80 1.12 0.00	31.00 1.16 0.00	29.11 1.25 0.00	27.34 1.23 0.00	27.00 1.26 0.00	28.41 1.45 0.00	28.86 1.56 0.00	30.01 1.70 0.00	35.54 1.69 0.00	46.74 1.71 0.01	58.19 1.86 0.01	57.29 1.56 0.01	45.79 1.46 0.01	40.06 1.50 0.00	33.93 1.43 0.00	31.82 1.19 0.00
NYPA____HOLTSVILL 23794	28.84 0.26 0.01	26.63 0.16 0.01	25.53 0.03 0.01	25.17 0.00 0.01	26.38 -0.05 0.01	27.89 -0.09 2.49	41.13 -0.22 2.09	46.10 -0.05 1.24	37.20 0.35 1.82	30.16 0.33 0.01	28.44 0.59 0.00	26.51 0.52 0.12	26.15 0.54 0.13	27.84 0.89 0.00	28.54 1.23 0.00	29.86 1.56 0.00	35.67 1.83 0.00	46.25 1.22 0.01	57.52 1.19 0.01	56.74 1.00 0.01	45.35 1.02 0.01	40.91 2.35 0.00	33.71 1.20 0.00	31.58 0.95 0.00
NYPA____HELLGATE_GT1 24158	29.71 1.11 0.00	27.41 0.93 0.00	26.28 0.76 0.00	25.91 0.73 0.00	27.16 0.71 0.00	30.99 0.52 0.00	44.12 0.69 0.01	48.09 0.71 0.01	39.71 1.04 0.01	30.90 1.07 0.01	29.02 1.17 0.01	27.25 1.15 0.01	26.94 1.21 0.01	28.32 1.37 0.01	28.80 1.50 0.01	29.91 1.61 0.01	35.46 1.62 0.01	46.79 1.75 0.01	58.25 1.92 0.01	57.41 1.67 0.01	45.84 1.51 0.01	40.02 1.46 0.00	33.90 1.40 0.00	31.79 1.16 0.00
NYPA____HELLGATE_GT2 24159	29.71 1.11 0.00	27.41 0.93 0.00	26.28 0.76 0.00	25.91 0.73 0.00	27.16 0.71 0.00	30.99 0.52 0.00	44.12 0.69 0.01	48.09 0.71 0.01	39.71 1.04 0.01	30.90 1.07 0.01	29.02 1.17 0.01	27.25 1.15 0.01	26.94 1.21 0.01	28.32 1.37 0.01	28.80 1.50 0.01	29.91 1.61 0.01	35.46 1.62 0.01	46.79 1.75 0.01	58.25 1.92 0.01	57.41 1.67 0.01	45.84 1.51 0.01	40.02 1.46 0.00	33.90 1.40 0.00	31.79 1.16 0.00
NYS_BARGE____HYD 23848	27.68 -1.09 -0.17	25.79 -0.85 -0.16	25.20 -0.43 -0.12	24.64 -0.63 -0.09	25.66 -0.98 -0.19	30.16 -0.82 -0.51	42.30 -2.52 -1.38	46.66 -2.51 -1.78	37.89 -1.82 -1.03	29.59 -0.69 -0.44	27.36 -0.78 -0.28	25.89 -0.37 -0.15	25.60 -0.26 -0.12	27.03 -0.13 -0.21	27.34 -0.22 -0.26	27.63 -0.93 -0.25	32.76 -1.39 -0.30	43.38 -2.34 -0.68	54.87 -3.61 -2.14	54.77 -3.18 -2.20	42.84 -2.97 -1.48	36.98 -2.27 -0.69	31.96 -1.11 -0.56	30.37 -0.64 -0.39
OAK ORCHARD____HYD 24046	28.28 -0.49 -0.17	26.24 -0.40 -0.16	25.51 -0.13 -0.12	24.97 -0.30 -0.09	26.18 -0.45 -0.19	30.73 -0.24 -0.50	43.89 -0.91 -1.37	48.49 -0.66 -1.77	39.24 -0.46 -1.03	30.18 -0.09 -0.44	27.94 -0.19 -0.27	26.33 0.08 -0.15	25.99 0.13 -0.12	27.38 0.21 -0.21	27.70 0.14 -0.25	28.28 -0.28 -0.25	33.77 -0.37 -0.30	44.86 -0.86 -0.68	57.23 -1.24 -2.12	57.09 -0.83 -2.18	44.70 -1.11 -1.47	38.40 -0.85 -0.69	32.77 -0.29 -0.55	30.86 -0.15 -0.38



OAKDALE___35_KV_LOAD 356122	28.73 -0.06 -0.19	26.66 0.00 -0.18	25.62 -0.03 -0.13	25.26 -0.03 -0.10	26.58 -0.08 -0.21	31.07 0.03 -0.57	44.82 -0.17 -1.55	49.20 -0.19 -2.00	39.76 -0.08 -1.16	30.42 0.09 -0.49	28.20 0.03 -0.31	26.38 0.10 -0.16	26.00 0.13 -0.13	27.41 0.22 -0.24	27.79 0.19 -0.29	28.65 0.06 -0.29	34.19 0.00 -0.34	45.63 -0.18 -0.77	58.63 -0.11 -2.40	58.22 0.00 -2.47	45.87 -0.13 -1.66	39.14 -0.19 -0.78	33.16 0.03 -0.63	31.13 0.06 -0.44
OCC_CHEM___DRP 24175	27.76 -1.00 -0.17	25.85 -0.79 -0.16	24.84 -0.79 -0.12	24.59 -0.68 -0.09	25.73 -0.90 -0.19	30.18 -0.79 -0.50	41.38 -3.43 -1.38	45.65 -3.51 -1.77	37.23 -2.48 -1.03	29.14 -1.13 -0.44	26.96 -1.17 -0.28	25.52 -0.73 -0.15	25.24 -0.62 -0.12	26.63 -0.54 -0.21	26.94 -0.63 -0.26	27.20 -1.36 -0.25	32.22 -1.93 -0.30	42.02 -3.69 -0.68	53.74 -4.73 -2.13	53.58 -4.35 -2.19	41.99 -3.81 -1.47	36.05 -3.20 -0.69	31.34 -1.72 -0.55	30.50 -0.52 -0.39
OH_GEN_PROXY 24063	27.65 -1.12 -0.17	25.77 -0.87 -0.16	25.12 -0.51 -0.12	24.56 -0.70 -0.09	25.60 -1.03 -0.19	30.06 -0.91 -0.50	42.07 -2.74 -1.37	46.31 -2.84 -1.76	37.68 -2.01 -1.02	29.47 -0.80 -0.43	27.30 -0.84 -0.27	25.81 -0.44 -0.15	25.52 -0.34 -0.12	26.95 -0.22 -0.21	27.26 -0.30 -0.25	27.54 -1.02 -0.25	32.62 -1.52 -0.30	43.15 -2.57 -0.67	54.51 -3.95 -2.12	54.41 -3.51 -2.18	42.69 -3.10 -1.46	36.85 -2.39 -0.69	31.85 -1.20 -0.55	30.31 -0.70 -0.38
OLIN_CORP_DRP 24177	27.39 -1.37 -0.17	25.50 -1.14 -0.16	24.51 -1.12 -0.12	24.26 -1.01 -0.09	25.39 -1.24 -0.19	29.82 -1.16 -0.51	41.60 -3.21 -1.38	45.90 -3.27 -1.78	37.42 -2.28 -1.03	29.26 -1.01 -0.44	27.08 -1.06 -0.28	25.63 -0.63 -0.15	25.32 -0.54 -0.12	26.74 -0.43 -0.21	27.05 -0.52 -0.26	27.32 -1.25 -0.25	32.35 -1.79 -0.30	42.25 -3.47 -0.68	54.09 -4.39 -2.14	53.93 -4.01 -2.20	42.27 -3.55 -1.48	36.21 -3.05 -0.69	31.47 -1.59 -0.56	30.10 -0.92 -0.39
OLIN_CORP_DSASP 323712	27.76 -1.00 -0.17	25.90 -0.74 -0.16	25.28 -0.36 -0.12	24.72 -0.55 -0.09	25.73 -0.90 -0.19	30.18 -0.79 -0.50	41.51 -3.30 -1.38	45.70 -3.46 -1.77	37.23 -2.48 -1.03	29.14 -1.13 -0.44	26.96 -1.17 -0.28	25.52 -0.73 -0.15	25.24 -0.62 -0.12	26.63 -0.54 -0.21	26.96 -0.60 -0.26	27.20 -1.36 -0.25	32.22 -1.93 -0.30	42.61 -3.11 -0.68	53.74 -4.73 -2.13	53.64 -4.29 -2.19	42.08 -3.72 -1.47	36.36 -2.89 -0.69	31.47 -1.59 -0.55	30.49 -0.52 -0.39
ONEIDA_HERK_LFGE 323681	29.31 0.63 -0.09	27.20 0.63 -0.08	26.17 0.59 -0.06	25.78 0.55 -0.05	27.12 0.58 -0.10	31.56 0.82 -0.27	45.51 1.35 -0.73	49.88 1.56 -0.93	40.14 0.93 -0.54	30.57 0.51 -0.23	28.36 0.36 -0.14	26.47 0.29 -0.08	26.09 0.28 -0.06	27.34 0.27 -0.11	27.63 0.19 -0.13	28.78 0.34 -0.13	34.48 0.47 -0.16	46.21 0.81 -0.36	58.99 1.52 -1.12	58.46 1.56 -1.15	46.09 0.97 -0.78	39.73 0.81 -0.36	33.35 0.55 -0.29	31.20 0.37 -0.20
ONEIDA___115KV_TB4 55905	29.39 0.66 -0.14	27.25 0.64 -0.13	26.20 0.59 -0.10	25.83 0.58 -0.07	27.21 0.61 -0.16	31.74 0.85 -0.41	45.91 1.35 -1.13	50.41 1.56 -1.45	40.52 1.01 -0.84	30.82 0.63 -0.36	28.53 0.45 -0.23	26.62 0.39 -0.12	26.22 0.39 -0.10	27.53 0.40 -0.17	27.84 0.33 -0.21	29.00 0.48 -0.21	34.70 0.61 -0.25	46.50 0.90 -0.56	59.72 1.63 -1.74	59.38 1.84 -1.79	46.78 1.24 -1.21	40.13 1.00 -0.57	33.74 0.78 -0.45	31.56 0.61 -0.32
ONONDAGA_REF_OCCRA 23987	28.76 -0.11 -0.28	26.67 -0.08 -0.26	25.64 -0.08 -0.20	25.23 -0.10 -0.15	26.68 -0.08 -0.32	31.25 -0.06 -0.84	45.64 -0.09 -2.29	50.34 0.00 -2.96	40.43 0.04 -1.71	30.60 0.03 -0.73	28.26 -0.06 -0.46	26.30 -0.05 -0.24	25.91 -0.03 -0.20	27.31 0.00 -0.35	27.71 -0.03 -0.43	28.70 -0.03 -0.42	34.28 -0.07 -0.50	45.99 -0.18 -1.13	59.89 0.00 -3.55	59.56 0.17 -3.65	46.79 0.00 -2.45	39.63 -0.08 -1.15	33.43 0.00 -0.92	31.24 -0.03 -0.64
ONONDAGA___COGEN 23986	28.82 -0.14 -0.37	26.72 -0.11 -0.35	25.67 -0.10 -0.26	25.25 -0.13 -0.19	26.75 -0.11 -0.42	31.52 -0.06 -1.11	46.37 -0.09 -3.02	51.28 0.00 -3.90	40.93 0.00 -2.26	30.80 0.00 -0.96	28.38 -0.08 -0.60	26.35 -0.08 -0.32	25.95 -0.05 -0.26	27.39 -0.03 -0.46	27.81 -0.05 -0.56	28.81 -0.06 -0.55	34.40 -0.10 -0.66	46.35 -0.18 -1.49	61.02 0.00 -4.67	60.72 0.17 -4.81	47.57 0.00 -3.23	39.96 -0.12 -1.51	33.69 -0.03 -1.22	31.42 -0.06 -0.85
ONTARIO___LFGE 23819	28.69 -0.14 -0.24	26.68 -0.03 -0.22	25.78 0.10 -0.16	25.30 0.00 -0.12	26.65 -0.05 -0.26	31.39 0.21 -0.70	45.31 -0.04 -1.91	50.00 0.14 -2.47	40.18 0.08 -1.43	30.71 0.27 -0.61	28.30 0.06 -0.38	26.49 0.18 -0.20	26.13 0.23 -0.16	27.57 0.32 -0.29	27.88 0.22 -0.35	28.66 0.00 -0.35	34.26 0.00 -0.42	45.71 -0.27 -0.94	59.19 -0.11 -2.96	59.01 0.22 -3.04	46.16 -0.22 -2.04	39.36 -0.15 -0.96	33.37 0.10 -0.77	31.23 0.06 -0.54
ORANGEVILLE_WT_PWR 323706	27.80 -0.97 -0.18	25.94 -0.71 -0.17	25.26 -0.38 -0.13	24.75 -0.53 -0.09	25.93 -0.71 -0.20	30.46 -0.55 -0.54	43.08 -1.82 -1.47	47.38 -1.90 -1.89	38.30 -1.47 -1.10	29.71 -0.60 -0.47	27.46 -0.70 -0.29	25.90 -0.37 -0.16	25.61 -0.26 -0.13	27.05 -0.13 -0.23	27.39 -0.19 -0.27	27.82 -0.76 -0.27	33.05 -1.12 -0.32	44.05 -1.71 -0.72	56.19 -2.42 -2.27	55.90 -2.17 -2.34	43.74 -2.17 -1.57	37.48 -1.81 -0.74	32.06 -1.04 -0.59	30.34 -0.70 -0.41
ORANGEVILLE___ESR 323794	27.80 -0.97 -0.18	25.94 -0.71 -0.17	25.26 -0.38 -0.13	24.75 -0.53 -0.09	25.93 -0.71 -0.20	30.46 -0.55 -0.54	43.08 -1.82 -1.47	47.38 -1.90 -1.89	38.30 -1.47 -1.10	29.71 -0.60 -0.47	27.46 -0.70 -0.29	25.90 -0.37 -0.16	25.61 -0.26 -0.13	27.05 -0.13 -0.23	27.39 -0.19 -0.27	27.82 -0.76 -0.27	33.05 -1.12 -0.32	44.05 -1.71 -0.72	56.19 -2.42 -2.27	55.90 -2.17 -2.34	43.74 -2.17 -1.57	37.48 -1.81 -0.74	32.06 -1.04 -0.59	30.34 -0.70 -0.41
OSWEGATCHIE___HYD 24044	29.31 0.60 -0.11	27.22 0.63 -0.11	26.18 0.59 -0.08	25.84 0.60 -0.06	27.18 0.61 -0.13	31.70 0.88 -0.34	45.98 1.61 -0.93	50.44 1.85 -1.20	40.34 0.97 -0.70	30.67 0.54 -0.30	28.43 0.39 -0.19	26.57 0.37 -0.10	26.10 0.28 -0.08	27.26 0.16 -0.14	27.59 0.11 -0.17	28.51 0.03 -0.17	34.22 0.17 -0.20	45.95 0.45 -0.46	58.85 1.07 -1.44	58.28 1.06 -1.48	45.95 0.62 -1.00	39.64 0.62 -0.47	33.34 0.45 -0.38	31.20 0.31 -0.26
OSWEGO___5 23606	29.06 -0.60 -1.07	26.96 -0.53 -1.00	25.77 -0.49 -0.74	25.23 -0.50 -0.56	27.08 -0.56 -1.20	33.08 -0.58 -3.19	51.26 -0.87 -8.69	57.69 -0.90 -11.21	44.43 -0.74 -6.50	32.06 -0.54 -2.76	29.04 -0.56 -1.74	26.53 -0.50 -0.92	26.00 -0.49 -0.75	27.80 -0.48 -1.33	28.40 -0.52 -1.61	29.37 -0.54 -1.60	35.07 -0.68 -1.90	48.38 -0.95 -4.28	68.66 -1.13 -13.44	68.57 -1.00 -13.83	52.74 -0.89 -9.29	42.15 -0.77 -4.36	35.43 -0.58 -3.50	32.48 -0.58 -2.43
OSWEGO___6 23613	29.06 -0.60 -1.07	26.96 -0.53 -1.00	25.77 -0.49 -0.74	25.23 -0.50 -0.56	27.08 -0.56 -1.20	33.08 -0.58 -3.19	51.26 -0.87 -8.69	57.69 -0.90 -11.21	44.43 -0.74 -6.50	32.06 -0.54 -2.76	29.04 -0.56 -1.74	26.53 -0.50 -0.92	26.00 -0.49 -0.75	27.80 -0.48 -1.33	28.40 -0.52 -1.61	29.37 -0.54 -1.60	35.07 -0.68 -1.90	48.38 -0.95 -4.28	68.66 -1.13 -13.44	68.57 -1.00 -13.83	52.74 -0.89 -9.29	42.15 -0.77 -4.36	35.43 -0.58 -3.50	32.48 -0.58 -2.43



OUTOKUMPU-AB___DRP 24206	27.94 -0.83 -0.17	26.03 -0.61 -0.16	25.05 -0.59 -0.12	24.77 -0.50 -0.09	25.95 -0.69 -0.19	30.49 -0.49 -0.51	42.39 -2.43 -1.38	46.80 -2.37 -1.79	38.08 -1.62 -1.03	29.80 -0.48 -0.44	27.55 -0.59 -0.28	26.05 -0.21 -0.15	25.76 -0.10 -0.12	27.19 0.03 -0.21	27.54 -0.03 -0.26	27.80 -0.76 -0.25	32.96 -1.18 -0.30	43.16 -2.57 -0.68	55.27 -3.21 -2.14	55.10 -2.84 -2.20	43.07 -2.75 -1.48	36.86 -2.39 -0.69	31.99 -1.07 -0.56	30.71 -0.31 -0.39
OXBOW___BTM 323836	27.88 -0.89 -0.17	26.01 -0.64 -0.16	25.40 -0.23 -0.12	24.84 -0.43 -0.09	25.89 -0.74 -0.19	30.37 -0.61 -0.51	42.08 -2.74 -1.38	46.37 -2.80 -1.78	37.73 -1.97 -1.03	29.50 -0.78 -0.44	27.30 -0.84 -0.28	25.84 -0.42 -0.15	25.52 -0.34 -0.12	26.95 -0.22 -0.21	27.29 -0.27 -0.26	27.54 -1.02 -0.25	32.66 -1.49 -0.30	43.24 -2.48 -0.68	54.64 -3.83 -2.13	54.48 -3.46 -2.20	42.67 -3.15 -1.48	36.82 -2.43 -0.69	31.83 -1.24 -0.56	30.65 -0.37 -0.39
OXBOW___ 24026	27.88 -0.89 -0.17	25.98 -0.66 -0.16	25.00 -0.64 -0.12	24.72 -0.55 -0.09	25.87 -0.77 -0.19	30.37 -0.61 -0.51	41.95 -2.87 -1.38	46.28 -2.89 -1.78	37.73 -1.97 -1.03	29.50 -0.78 -0.44	27.30 -0.84 -0.28	25.84 -0.42 -0.15	25.52 -0.33 -0.12	26.95 -0.22 -0.21	27.29 -0.27 -0.26	27.54 -1.02 -0.25	32.66 -1.49 -0.30	42.66 -3.06 -0.68	54.65 -3.83 -2.13	54.48 -3.46 -2.20	42.62 -3.19 -1.48	36.51 -2.74 -0.69	31.70 -1.37 -0.56	30.65 -0.37 -0.39
OXY_CHEM_DSASP 323612	27.76 -1.00 -0.17	25.85 -0.79 -0.16	24.84 -0.79 -0.12	24.59 -0.68 -0.09	25.73 -0.90 -0.19	30.18 -0.79 -0.50	41.38 -3.43 -1.38	45.65 -3.51 -1.77	37.23 -2.48 -1.03	29.14 -1.13 -0.44	26.96 -1.17 -0.28	25.52 -0.73 -0.15	25.24 -0.62 -0.12	26.63 -0.54 -0.21	26.94 -0.63 -0.26	27.20 -1.36 -0.25	32.22 -1.93 -0.30	42.02 -3.69 -0.68	53.74 -4.73 -2.13	53.58 -4.35 -2.19	41.99 -3.81 -1.47	36.05 -3.20 -0.69	31.34 -1.72 -0.55	30.50 -0.52 -0.39
OZONE_PARK_ESR 323760	29.82 1.23 0.00	27.59 1.11 0.00	26.51 1.00 0.00	26.11 0.93 0.00	27.32 0.87 0.00	31.39 0.91 0.00	44.70 1.26 0.00	48.67 1.28 0.00	40.34 1.66 0.00	31.33 1.49 0.00	29.42 1.56 0.00	27.60 1.49 0.00	27.26 1.52 0.00	28.68 1.73 0.00	29.16 1.86 0.00	30.29 1.98 0.00	36.01 2.17 0.00	47.56 2.52 0.00	59.05 2.70 0.00	58.20 2.45 0.00	46.47 2.13 0.00	40.64 2.08 0.00	34.26 1.76 0.00	32.07 1.44 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	27.76 -1.00 -0.17	25.85 -0.79 -0.16	24.84 -0.79 -0.12	24.59 -0.68 -0.09	25.73 -0.90 -0.19	30.18 -0.79 -0.50	41.38 -3.43 -1.38	45.65 -3.51 -1.77	37.23 -2.48 -1.03	29.14 -1.13 -0.44	26.96 -1.17 -0.28	25.52 -0.73 -0.15	25.24 -0.62 -0.12	26.63 -0.54 -0.21	26.94 -0.63 -0.26	27.20 -1.36 -0.25	32.22 -1.93 -0.30	42.02 -3.69 -0.68	53.74 -4.73 -2.13	53.58 -4.35 -2.19	41.99 -3.81 -1.47	36.05 -3.20 -0.69	31.34 -1.72 -0.55	30.50 -0.52 -0.39
PACKARD__115KV_DUPONT_184 80571	27.76 -1.00 -0.17	25.85 -0.79 -0.16	24.84 -0.79 -0.12	24.59 -0.68 -0.09	25.73 -0.90 -0.19	30.18 -0.79 -0.50	41.38 -3.43 -1.38	45.65 -3.51 -1.77	37.23 -2.48 -1.03	29.14 -1.13 -0.44	26.96 -1.17 -0.28	25.52 -0.73 -0.15	25.24 -0.62 -0.12	26.63 -0.54 -0.21	26.94 -0.63 -0.26	27.20 -1.36 -0.25	32.22 -1.93 -0.30	42.02 -3.69 -0.68	53.74 -4.73 -2.13	53.58 -4.35 -2.19	41.99 -3.81 -1.47	36.05 -3.20 -0.69	31.34 -1.72 -0.55	30.50 -0.52 -0.39
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	29.68 1.09 0.00	27.41 0.93 0.00	26.31 0.79 0.00	25.91 0.73 0.00	27.13 0.69 0.00	30.96 0.49 0.00	44.08 0.65 0.01	48.00 0.62 0.01	39.64 0.97 0.00	30.88 1.04 0.00	29.00 1.14 0.00	27.20 1.10 0.00	26.90 1.16 0.00	28.30 1.35 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.40 1.56 0.00	46.83 1.80 0.01	58.14 1.80 0.01	57.30 1.56 0.01	45.75 1.42 0.01	39.99 1.43 0.00	33.87 1.37 0.00	31.76 1.13 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	29.94 1.34 0.00	27.65 1.17 0.00	26.56 1.05 0.00	26.16 0.98 0.00	27.40 0.95 0.00	31.26 0.79 0.00	44.51 1.09 0.01	48.47 1.09 0.01	39.99 1.31 0.00	31.12 1.28 0.00	29.22 1.37 0.00	27.41 1.31 0.00	27.10 1.36 0.00	28.52 1.56 0.00	29.00 1.69 0.00	30.12 1.81 0.00	35.71 1.86 0.00	47.24 2.21 0.01	58.70 2.37 0.01	57.85 2.12 0.01	46.19 1.86 0.01	40.37 1.81 0.00	34.16 1.66 0.00	32.04 1.41 0.00
PATROON__115KV_TB1 80586	28.97 0.37 0.00	26.75 0.26 0.00	25.80 0.28 0.00	25.58 0.40 0.00	26.89 0.45 0.00	30.69 0.21 0.00	43.61 0.17 0.00	47.53 0.14 0.00	38.83 0.15 0.00	29.87 0.03 0.00	27.94 0.08 0.00	26.11 0.00 0.00	25.76 0.03 0.00	26.98 0.03 0.00	27.34 0.03 0.00	28.53 0.23 0.00	34.15 0.30 0.00	45.49 0.45 0.00	56.74 0.39 0.00	55.97 0.22 0.00	44.74 0.40 0.00	39.10 0.54 0.00	32.90 0.39 0.00	31.00 0.37 0.00
PATTRSNVILLE___SOLAR 323815	29.62 1.03 0.00	27.41 0.93 0.00	26.41 0.89 0.00	26.04 0.86 0.00	27.37 0.93 0.00	31.57 1.10 0.00	45.18 1.74 0.00	49.00 1.61 0.00	39.41 0.73 0.00	29.93 0.09 0.00	27.69 -0.17 0.00	25.80 -0.31 0.00	25.40 -0.34 0.00	26.66 -0.30 0.00	27.03 -0.27 0.00	28.37 0.06 0.00	34.25 0.41 0.00	46.35 1.31 0.00	58.54 2.20 0.00	57.92 2.17 0.00	46.16 1.82 0.00	40.10 1.54 0.00	33.74 1.23 0.00	31.76 1.13 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	27.65 -1.12 -0.17	25.80 -0.85 -0.16	24.79 -0.84 -0.12	24.52 -0.76 -0.09	25.68 -0.95 -0.19	30.26 -0.73 -0.51	42.62 -2.22 -1.40	46.97 -2.23 -1.81	38.14 -1.59 -1.05	29.81 -0.48 -0.44	27.55 -0.59 -0.28	26.07 -0.18 -0.15	25.76 -0.10 -0.12	27.25 0.08 -0.21	27.57 0.00 -0.26	27.89 -0.68 -0.26	33.07 -1.08 -0.31	43.43 -2.30 -0.69	55.75 -2.76 -2.17	55.52 -2.45 -2.23	43.35 -2.48 -1.50	36.95 -2.31 -0.70	31.93 -1.14 -0.57	30.35 -0.67 -0.39
PAWLING_115_KV_BK3_REV_LBMP_H 345028	29.71 1.12 0.00	27.46 0.98 0.00	26.41 0.89 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.45 0.98 0.00	44.91 1.48 0.00	48.90 1.52 0.00	40.14 1.47 0.00	30.97 1.13 0.00	29.03 1.17 0.00	27.15 1.04 0.00	26.85 1.11 0.00	28.20 1.24 0.00	28.67 1.37 0.00	29.84 1.53 0.00	35.57 1.73 0.00	47.34 2.30 0.00	58.82 2.48 0.00	58.03 2.29 0.00	46.38 2.04 0.00	40.49 1.93 0.00	34.07 1.56 0.00	31.95 1.32 0.00
PEEKSKILL___ 23653	29.51 0.91 0.00	27.28 0.79 0.00	26.18 0.66 0.00	25.83 0.65 0.00	27.08 0.63 0.00	31.11 0.64 0.00	44.30 0.87 0.00	48.19 0.80 0.00	39.80 1.12 0.00	30.82 0.98 0.00	28.94 1.09 0.00	27.13 1.02 0.00	26.79 1.06 0.00	28.20 1.24 0.00	28.65 1.34 0.00	29.75 1.44 0.00	35.40 1.56 0.00	46.80 1.75 0.00	58.26 1.92 0.00	57.47 1.73 0.00	45.89 1.55 0.00	40.10 1.54 0.00	33.77 1.27 0.00	31.70 1.07 0.00
PGE MADISON___WINDPWR 24146	30.33 1.54 -0.19	28.23 1.56 -0.18	27.08 1.43 -0.13	26.69 1.41 -0.10	28.11 1.45 -0.22	33.12 2.07 -0.58	48.26 3.26 -1.57	53.11 3.70 -2.02	42.13 2.28 -1.17	31.77 1.43 -0.50	29.15 0.98 -0.31	27.16 0.89 -0.17	26.77 0.90 -0.13	28.17 0.97 -0.24	28.39 0.79 -0.29	29.64 1.05 -0.29	35.64 1.46 -0.34	48.11 2.30 -0.77	62.77 4.00 -2.43	62.87 4.63 -2.50	49.21 3.19 -1.68	41.85 2.51 -0.79	35.12 1.98 -0.63	32.63 1.56 -0.44



PIERCEFIELD___HYD 23852	29.14 0.49 -0.06	27.09 0.56 -0.06	26.09 0.54 -0.04	25.77 0.55 -0.03	27.09 0.58 -0.07	31.44 0.79 -0.18	45.40 1.48 -0.49	49.68 1.66 -0.63	39.97 0.93 -0.37	30.59 0.60 -0.16	28.49 0.53 -0.10	26.68 0.52 -0.05	26.22 0.44 -0.04	27.27 0.24 -0.08	27.64 0.25 -0.09	28.46 0.06 -0.09	34.16 0.20 -0.11	45.64 0.36 -0.24	57.72 0.62 -0.76	57.19 0.67 -0.78	45.39 0.53 -0.53	39.34 0.54 -0.25	33.16 0.46 -0.20	31.17 0.40 -0.14
PINELAWN_CC_1 323563	29.13 0.54 0.01	26.90 0.42 0.01	25.76 0.26 0.01	25.43 0.25 0.01	26.65 0.21 0.01	30.55 0.18 0.11	43.52 0.17 0.09	46.65 0.38 1.11	39.21 0.62 0.08	30.43 0.60 0.01	28.69 0.83 0.00	26.86 0.76 0.01	26.50 0.77 0.01	28.06 1.11 0.00	28.73 1.42 0.00	30.01 1.70 0.00	35.88 2.03 0.00	46.52 1.48 0.01	57.86 1.52 0.01	57.07 1.34 0.01	45.57 1.24 0.01	41.03 2.47 0.00	33.90 1.40 0.00	31.79 1.16 0.00
PJM_GEN_HTP_PROXY 323702	29.60 1.00 0.00	27.38 0.90 0.00	26.28 0.76 0.00	25.91 0.73 0.00	27.13 0.69 0.00	31.17 0.70 0.00	44.35 0.91 0.00	48.29 0.90 0.00	40.03 1.35 0.00	31.06 1.22 0.00	29.17 1.31 0.00	27.36 1.25 0.00	27.03 1.29 0.00	28.44 1.48 0.00	28.89 1.58 0.00	30.04 1.73 0.00	35.71 1.86 0.00	47.07 2.03 0.00	58.54 2.20 0.00	57.64 1.90 0.00	46.06 1.73 0.00	40.30 1.74 0.00	33.97 1.46 0.00	31.82 1.19 0.00
PJM_GEN_KEystone 24065	28.50 -0.20 -0.10	26.50 -0.08 -0.10	25.51 -0.08 -0.07	25.11 -0.13 -0.05	26.27 -0.29 -0.12	30.57 -0.21 -0.31	43.45 -0.83 -0.84	47.48 -1.00 -1.09	38.80 -0.50 -0.63	30.11 0.00 -0.27	28.08 0.06 -0.17	26.41 0.21 -0.09	26.10 0.28 -0.07	27.54 0.46 -0.13	27.90 0.44 -0.16	28.66 0.20 -0.15	34.03 0.00 -0.18	45.09 -0.36 -0.42	56.86 -0.79 -1.30	56.31 -0.78 -1.34	44.58 -0.66 -0.90	38.56 -0.42 -0.42	32.81 -0.03 -0.34	30.99 0.12 -0.24
PJM_GEN_NEPTUNE_PROXY 323594	28.93 0.34 0.01	26.71 0.24 0.01	25.61 0.10 0.01	25.27 0.10 0.01	26.49 0.05 0.01	30.43 -0.03 0.01	43.34 -0.09 0.01	46.35 0.29 1.32	39.05 0.39 0.01	30.25 0.42 0.01	28.53 0.67 0.00	26.71 0.60 0.00	26.35 0.62 0.01	27.87 0.92 0.00	28.51 1.20 0.00	29.75 1.44 0.00	35.50 1.66 0.00	46.11 1.08 0.01	57.35 1.02 0.01	56.57 0.84 0.01	45.17 0.84 0.01	40.52 1.97 0.00	33.58 1.07 0.00	31.49 0.86 0.00
PJM_GEN_VFT_PROXY 323633	29.45 0.86 0.00	27.25 0.77 0.00	26.13 0.61 0.00	25.78 0.60 0.00	27.00 0.56 0.00	31.02 0.55 0.00	44.09 0.65 0.00	48.00 0.61 0.00	39.87 1.20 0.00	30.97 1.13 0.00	29.08 1.22 0.00	27.28 1.18 0.00	26.95 1.21 0.00	28.38 1.43 0.00	28.84 1.53 0.00	29.98 1.67 0.00	35.60 1.76 0.00	46.84 1.80 0.00	58.20 1.86 0.00	57.36 1.62 0.00	45.80 1.46 0.00	40.14 1.58 0.00	33.84 1.33 0.00	31.67 1.04 0.00
PLATSBURG_115KV_PMLD1 355749	29.54 0.94 0.00	27.51 1.03 0.00	26.59 1.07 0.00	26.34 1.16 0.00	27.71 1.27 0.00	32.09 1.62 0.00	46.13 2.69 0.00	50.37 2.99 0.00	40.80 2.13 0.00	31.45 1.61 0.00	29.39 1.53 0.00	27.65 1.54 0.00	27.15 1.42 0.00	28.17 1.21 0.00	28.59 1.28 0.00	29.55 1.25 0.00	35.47 1.62 0.00	47.47 2.43 0.00	59.61 3.27 0.00	58.87 3.12 0.00	46.73 2.39 0.00	40.41 1.85 0.00	33.90 1.40 0.00	31.73 1.10 0.00
PLEASANTVLY___LBMP 24000	29.40 0.80 0.00	27.17 0.69 0.00	26.13 0.61 0.00	25.76 0.58 0.00	27.00 0.56 0.00	31.02 0.55 0.00	44.22 0.78 0.00	48.10 0.71 0.00	39.60 0.93 0.00	30.64 0.81 0.00	28.75 0.89 0.00	26.92 0.81 0.00	26.59 0.85 0.00	27.95 1.00 0.00	28.40 1.09 0.00	29.53 1.22 0.00	35.17 1.32 0.00	46.66 1.62 0.00	57.92 1.58 0.00	57.14 1.39 0.00	45.67 1.33 0.00	39.91 1.35 0.00	33.61 1.11 0.00	31.55 0.92 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	29.57 0.97 0.00	27.33 0.85 0.00	26.28 0.77 0.00	25.91 0.73 0.00	27.13 0.69 0.00	31.17 0.70 0.00	44.44 1.00 0.00	48.34 0.95 0.00	39.91 1.24 0.00	30.91 1.07 0.00	29.03 1.17 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.25 1.29 0.00	28.70 1.39 0.00	29.84 1.53 0.00	35.50 1.66 0.00	47.02 1.98 0.00	58.37 2.03 0.00	57.53 1.78 0.00	46.02 1.68 0.00	40.26 1.70 0.00	33.87 1.37 0.00	31.76 1.13 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	29.57 0.97 0.00	27.33 0.85 0.00	26.28 0.77 0.00	25.91 0.73 0.00	27.13 0.69 0.00	31.17 0.70 0.00	44.44 1.00 0.00	48.34 0.95 0.00	39.91 1.24 0.00	30.91 1.07 0.00	29.03 1.17 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.25 1.29 0.00	28.70 1.39 0.00	29.84 1.53 0.00	35.50 1.66 0.00	47.02 1.98 0.00	58.37 2.03 0.00	57.53 1.78 0.00	46.02 1.68 0.00	40.26 1.70 0.00	33.87 1.37 0.00	31.76 1.13 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	29.51 0.92 0.00	27.30 0.82 0.00	26.26 0.74 0.00	25.89 0.71 0.00	27.13 0.69 0.00	31.20 0.73 0.00	44.52 1.09 0.00	48.48 1.09 0.00	39.79 1.12 0.00	30.73 0.90 0.00	28.81 0.95 0.00	26.97 0.86 0.00	26.61 0.88 0.00	27.98 1.02 0.00	28.45 1.15 0.00	29.58 1.27 0.00	35.27 1.42 0.00	46.93 1.89 0.00	58.37 2.03 0.00	57.53 1.78 0.00	45.98 1.64 0.00	40.14 1.58 0.00	33.81 1.30 0.00	31.73 1.10 0.00
POLETTI____ 23519	25.43 0.83 3.99	25.43 0.69 1.74	25.51 0.59 0.60	25.46 0.50 0.23	25.43 0.48 1.49	25.43 0.21 5.26	28.20 0.35 15.58	28.56 0.28 19.12	27.48 0.66 11.85	25.47 0.81 5.17	27.15 0.92 1.63	27.05 0.94 0.00	26.72 0.98 0.00	27.15 1.13 0.94	27.15 1.23 1.39	27.18 1.36 2.49	27.15 1.29 7.98	28.48 1.44 18.00	38.96 1.41 18.79	39.23 1.17 17.68	28.14 1.11 17.30	28.61 1.12 11.07	27.17 1.11 6.44	27.14 0.86 4.35
POMONA___ESR 323819	29.51 0.91 0.00	27.30 0.82 0.00	26.18 0.66 0.00	25.83 0.65 0.00	27.08 0.63 0.00	31.14 0.67 0.00	44.35 0.91 0.00	48.24 0.85 0.00	39.80 1.12 0.00	30.82 0.98 0.00	28.92 1.06 0.00	27.13 1.02 0.00	26.79 1.06 0.00	28.20 1.24 0.00	28.65 1.34 0.00	29.75 1.44 0.00	35.40 1.56 0.00	46.84 1.80 0.00	58.32 1.97 0.00	57.47 1.73 0.00	45.93 1.59 0.00	40.10 1.54 0.00	33.81 1.30 0.00	31.70 1.07 0.00
PORT_JEFF_3 23555	28.87 0.29 0.01	26.69 0.21 0.01	25.56 0.05 0.01	25.20 0.03 0.01	26.44 0.00 0.01	27.88 -0.06 2.53	41.15 -0.17 2.12	46.19 0.05 1.24	37.21 0.39 1.85	30.22 0.39 0.01	28.50 0.64 0.00	26.53 0.55 0.13	26.17 0.57 0.13	27.90 0.94 0.00	28.59 1.28 0.00	29.92 1.61 0.00	35.77 1.93 0.00	46.38 1.35 0.01	57.63 1.30 0.01	56.91 1.17 0.01	45.48 1.15 0.01	41.03 2.47 0.00	33.77 1.27 0.00	31.64 1.01 0.00
PORT_JEFF_4 23616	28.87 0.29 0.01	26.69 0.21 0.01	25.56 0.05 0.01	25.20 0.03 0.01	26.44 0.00 0.01	27.88 -0.06 2.53	41.15 -0.17 2.12	46.19 0.05 1.24	37.21 0.39 1.85	30.22 0.39 0.01	28.50 0.64 0.00	26.53 0.55 0.13	26.17 0.57 0.13	27.90 0.94 0.00	28.59 1.28 0.00	29.92 1.61 0.00	35.77 1.93 0.00	46.38 1.35 0.01	57.63 1.30 0.01	56.91 1.17 0.01	45.48 1.15 0.01	41.03 2.47 0.00	33.77 1.27 0.00	31.64 1.01 0.00



PORT_JEFF_IC 23713	28.90 0.31 0.01	26.71 0.24 0.01	25.66 0.15 0.01	25.27 0.10 0.01	26.46 0.03 0.01	27.78 -0.03 2.66	41.21 0.00 2.23	46.25 0.09 1.24	37.16 0.43 1.94	30.25 0.42 0.01	28.58 0.72 0.00	26.58 0.60 0.13	26.22 0.62 0.14	27.93 0.97 0.00	28.67 1.37 0.00	29.95 1.64 0.00	35.81 1.96 0.00	46.61 1.58 0.01	57.75 1.41 0.01	57.02 1.28 0.01	45.53 1.20 0.01	41.10 2.54 0.00	33.90 1.40 0.00	31.67 1.04 0.00
PPL PILGRIM_ST_GT1 24216	29.36 0.77 0.01	27.08 0.61 0.01	25.97 0.46 0.01	25.60 0.43 0.01	26.83 0.40 0.01	30.77 0.55 0.25	43.79 0.56 0.21	46.46 0.29 1.21	39.41 0.93 0.19	30.66 0.83 0.01	28.94 1.09 0.00	27.11 1.02 0.01	26.72 1.00 0.02	28.28 1.32 0.00	28.97 1.67 0.00	30.26 1.95 0.00	36.21 2.37 0.00	46.92 1.89 0.01	58.36 2.03 0.01	57.57 1.84 0.01	45.97 1.64 0.01	41.49 2.93 0.00	34.19 1.69 0.00	32.07 1.44 0.00
PPL PILGRIM_ST_GT2 24217	29.36 0.77 0.01	27.08 0.61 0.01	25.97 0.46 0.01	25.60 0.43 0.01	26.83 0.40 0.01	30.77 0.55 0.25	43.79 0.56 0.21	46.46 0.29 1.21	39.41 0.93 0.19	30.66 0.83 0.01	28.94 1.09 0.00	27.11 1.02 0.01	26.72 1.00 0.02	28.28 1.32 0.00	28.97 1.67 0.00	30.26 1.95 0.00	36.21 2.37 0.00	46.92 1.89 0.01	58.36 2.03 0.01	57.57 1.84 0.01	45.97 1.64 0.01	41.49 2.93 0.00	34.19 1.69 0.00	32.07 1.44 0.00
PPL_SHRM_GT3 24213	28.47 -0.11 0.01	26.32 -0.16 0.01	25.20 -0.31 0.01	24.85 -0.33 0.01	26.07 -0.37 0.01	27.47 -0.49 2.51	37.74 -0.78 4.91	45.53 -0.62 1.24	34.23 -0.15 4.29	29.77 -0.06 0.01	28.08 0.22 0.00	26.14 0.16 0.13	25.79 0.18 0.13	27.49 0.54 0.00	28.21 0.90 0.00	29.55 1.24 0.00	35.37 1.52 0.00	45.93 0.90 0.01	57.12 0.79 0.01	56.41 0.67 0.01	45.08 0.75 0.01	40.68 2.12 0.00	33.45 0.94 0.00	31.30 0.67 0.00
PPL_SHRM_GT4 24214	28.47 -0.11 0.01	26.32 -0.16 0.01	25.20 -0.31 0.01	24.85 -0.33 0.01	26.07 -0.37 0.01	27.47 -0.49 2.51	37.74 -0.78 4.91	45.53 -0.62 1.24	34.23 -0.15 4.29	29.77 -0.06 0.01	28.08 0.22 0.00	26.14 0.16 0.13	25.79 0.18 0.13	27.49 0.54 0.00	28.21 0.90 0.00	29.55 1.24 0.00	35.37 1.52 0.00	45.93 0.90 0.01	57.12 0.79 0.01	56.41 0.67 0.01	45.08 0.75 0.01	40.68 2.12 0.00	33.45 0.94 0.00	31.30 0.67 0.00
PROJECT___ORANGE 1 24174	28.59 -0.26 -0.26	26.51 -0.21 -0.24	25.49 -0.20 -0.18	25.09 -0.23 -0.13	26.52 -0.21 -0.29	31.02 -0.21 -0.77	45.18 -0.35 -2.09	49.80 -0.28 -2.69	40.04 -0.19 -1.56	30.41 -0.09 -0.66	28.11 -0.17 -0.42	26.20 -0.13 -0.22	25.82 -0.10 -0.18	27.19 -0.08 -0.32	27.56 -0.14 -0.39	28.55 -0.14 -0.38	34.06 -0.24 -0.46	45.62 -0.45 -1.03	59.24 -0.34 -3.23	58.84 -0.22 -3.32	46.26 -0.31 -2.23	39.26 -0.35 -1.05	33.15 -0.20 -0.84	31.06 -0.15 -0.58
PROJECT___ORANGE 2 24166	28.59 -0.26 -0.26	26.51 -0.21 -0.24	25.49 -0.20 -0.18	25.09 -0.23 -0.13	26.52 -0.21 -0.29	31.02 -0.21 -0.77	45.18 -0.35 -2.09	49.80 -0.28 -2.69	40.04 -0.19 -1.56	30.41 -0.09 -0.66	28.11 -0.17 -0.42	26.20 -0.13 -0.22	25.82 -0.10 -0.18	27.19 -0.08 -0.32	27.56 -0.14 -0.39	28.55 -0.14 -0.38	34.06 -0.24 -0.46	45.62 -0.45 -1.03	59.24 -0.34 -3.23	58.84 -0.22 -3.32	46.26 -0.31 -2.23	39.26 -0.35 -1.05	33.15 -0.20 -0.84	31.06 -0.15 -0.58
PUCKETT___SOLAR 323809	29.12 0.34 -0.19	27.08 0.42 -0.17	26.05 0.41 -0.13	25.63 0.35 -0.10	26.97 0.32 -0.21	31.57 0.55 -0.55	45.68 0.74 -1.50	50.13 0.80 -1.94	40.26 0.47 -1.12	30.64 0.33 -0.48	28.27 0.11 -0.30	26.40 0.13 -0.16	26.02 0.16 -0.13	27.40 0.21 -0.23	27.75 0.16 -0.28	28.76 0.17 -0.28	34.44 0.27 -0.33	46.23 0.45 -0.74	59.57 0.90 -2.32	59.31 1.17 -2.39	46.70 0.75 -1.61	39.93 0.62 -0.75	33.70 0.59 -0.61	31.54 0.49 -0.42
PYRITES___HYD 24023	29.48 0.83 -0.06	27.41 0.87 -0.05	26.37 0.82 -0.04	26.07 0.86 -0.03	27.38 0.87 -0.06	31.83 1.19 -0.17	45.98 2.08 -0.45	50.30 2.32 -0.59	40.29 1.28 -0.34	30.76 0.78 -0.14	28.59 0.64 -0.09	26.78 0.63 -0.05	26.32 0.54 -0.04	27.35 0.32 -0.07	27.75 0.36 -0.08	28.59 0.20 -0.08	34.39 0.44 -0.10	46.12 0.86 -0.22	58.51 1.46 -0.70	58.14 1.67 -0.72	46.06 1.24 -0.49	39.87 1.08 -0.23	33.53 0.85 -0.18	31.49 0.74 -0.13
QUAKERRD_115KV_BK1 80622	27.74 -1.03 -0.18	25.69 -0.95 -0.17	24.75 -0.89 -0.12	24.42 -0.86 -0.09	25.69 -0.95 -0.20	30.15 -0.85 -0.53	43.14 -1.74 -1.44	47.73 -1.52 -1.86	38.59 -1.16 -1.08	29.61 -0.69 -0.46	27.42 -0.72 -0.29	25.79 -0.47 -0.15	25.45 -0.41 -0.12	26.83 -0.35 -0.22	27.11 -0.46 -0.27	27.75 -0.82 -0.26	33.15 -1.02 -0.31	43.77 -1.98 -0.71	56.38 -2.20 -2.23	56.25 -1.78 -2.29	43.97 -1.91 -1.54	37.59 -1.70 -0.72	32.11 -0.98 -0.58	30.27 -0.77 -0.40
QUENSBRY_115KV_TB8 356137	30.20 1.60 0.00	27.91 1.43 0.00	26.95 1.43 0.00	26.54 1.36 0.00	27.95 1.51 0.00	32.18 1.71 0.00	46.13 2.69 0.00	50.09 2.70 0.00	40.41 1.74 0.00	30.73 0.90 0.00	28.56 0.70 0.00	26.63 0.52 0.00	26.25 0.51 0.00	27.52 0.57 0.00	27.80 0.49 0.00	29.16 0.85 0.00	35.10 1.25 0.00	47.38 2.34 0.00	59.61 3.27 0.00	58.87 3.12 0.00	46.95 2.62 0.00	40.83 2.27 0.00	34.29 1.79 0.00	32.28 1.65 0.00
RAMAPO___LBMP 323565	29.42 0.83 0.00	27.22 0.74 0.00	26.15 0.64 0.00	25.79 0.60 0.00	27.00 0.56 0.00	31.05 0.58 0.00	44.22 0.78 0.00	48.10 0.71 0.00	39.64 0.97 0.00	30.73 0.90 0.00	28.83 0.98 0.00	27.05 0.94 0.00	26.69 0.95 0.00	28.09 1.13 0.00	28.54 1.23 0.00	29.67 1.36 0.00	35.27 1.42 0.00	46.75 1.71 0.00	58.09 1.75 0.00	57.25 1.51 0.00	45.76 1.42 0.00	39.99 1.43 0.00	33.68 1.17 0.00	31.61 0.98 0.00
RANKINE____ 23646	27.88 -0.89 -0.17	25.98 -0.66 -0.16	25.00 -0.64 -0.12	24.72 -0.55 -0.09	25.90 -0.74 -0.19	30.47 -0.52 -0.51	42.75 -2.08 -1.40	47.15 -2.04 -1.80	38.33 -1.39 -1.05	29.95 -0.33 -0.44	27.69 -0.45 -0.28	26.20 -0.05 -0.15	25.91 0.05 -0.12	27.36 0.19 -0.21	27.70 0.14 -0.26	28.00 -0.57 -0.26	33.20 -0.95 -0.31	43.57 -2.16 -0.69	55.86 -2.65 -2.16	55.63 -2.34 -2.22	43.48 -2.35 -1.50	37.14 -2.12 -0.70	32.16 -0.91 -0.56	30.59 -0.43 -0.39
RAVENSWOOD_GT2_1 24244	29.62 1.03 0.00	27.41 0.93 0.00	26.36 0.84 0.00	25.96 0.78 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.39 0.96 0.00	48.29 0.90 0.00	40.03 1.35 0.00	31.06 1.22 0.00	29.17 1.31 0.00	27.36 1.25 0.00	27.03 1.29 0.00	28.46 1.51 0.00	28.92 1.61 0.00	30.04 1.73 0.00	35.71 1.86 0.00	47.16 2.12 0.00	58.54 2.20 0.00	57.64 1.90 0.00	46.07 1.73 0.00	40.33 1.77 0.00	34.00 1.50 0.00	31.86 1.23 0.00
RAVENSWOOD_GT2_2 24245	29.62 1.03 0.00	27.41 0.93 0.00	26.36 0.84 0.00	25.96 0.78 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.39 0.96 0.00	48.29 0.90 0.00	40.03 1.35 0.00	31.06 1.22 0.00	29.17 1.31 0.00	27.36 1.25 0.00	27.03 1.29 0.00	28.46 1.51 0.00	28.92 1.61 0.00	30.04 1.73 0.00	35.71 1.86 0.00	47.16 2.12 0.00	58.54 2.20 0.00	57.64 1.90 0.00	46.07 1.73 0.00	40.33 1.77 0.00	34.00 1.50 0.00	31.86 1.23 0.00



RAVENSWOOD_GT2_3 24246	29.65 1.06 0.00	27.44 0.95 0.00	26.36 0.84 0.00	25.99 0.81 0.00	27.18 0.74 0.00	31.20 0.73 0.00	44.39 0.96 0.00	48.34 0.95 0.00	40.03 1.35 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.39 1.28 0.00	27.05 1.31 0.00	28.46 1.51 0.00	28.95 1.64 0.00	30.06 1.76 0.00	35.71 1.86 0.00	47.20 2.16 0.00	58.54 2.20 0.00	57.69 1.95 0.00	46.07 1.73 0.00	40.33 1.77 0.00	34.00 1.50 0.00	31.86 1.23 0.00
RAVENSWOOD_GT2_4 24247	29.65 1.06 0.00	27.44 0.95 0.00	26.36 0.84 0.00	25.99 0.81 0.00	27.18 0.74 0.00	31.20 0.73 0.00	44.39 0.96 0.00	48.34 0.95 0.00	40.03 1.35 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.39 1.28 0.00	27.05 1.31 0.00	28.46 1.51 0.00	28.95 1.64 0.00	30.06 1.76 0.00	35.71 1.86 0.00	47.20 2.16 0.00	58.54 2.20 0.00	57.69 1.95 0.00	46.07 1.73 0.00	40.33 1.77 0.00	34.00 1.50 0.00	31.86 1.23 0.00
RAVENSWOOD_GT3_1 24248	29.62 1.03 0.00	27.41 0.93 0.00	26.36 0.84 0.00	25.96 0.78 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.39 0.96 0.00	48.29 0.90 0.00	40.03 1.35 0.00	31.06 1.22 0.00	29.17 1.31 0.00	27.36 1.25 0.00	27.03 1.29 0.00	28.46 1.51 0.00	28.92 1.61 0.00	30.04 1.73 0.00	35.71 1.86 0.00	47.16 2.12 0.00	58.54 2.20 0.00	57.69 1.95 0.00	46.07 1.73 0.00	40.33 1.77 0.00	34.00 1.50 0.00	31.86 1.23 0.00
RAVENSWOOD_GT3_2 24249	29.62 1.03 0.00	27.41 0.93 0.00	26.36 0.84 0.00	25.96 0.78 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.39 0.96 0.00	48.29 0.90 0.00	40.03 1.35 0.00	31.06 1.22 0.00	29.17 1.31 0.00	27.36 1.25 0.00	27.03 1.29 0.00	28.46 1.51 0.00	28.92 1.61 0.00	30.04 1.73 0.00	35.71 1.86 0.00	47.16 2.12 0.00	58.54 2.20 0.00	57.69 1.95 0.00	46.07 1.73 0.00	40.33 1.77 0.00	34.00 1.50 0.00	31.86 1.23 0.00
RAVENSWOOD_GT3_3 24250	29.65 1.06 0.00	27.44 0.95 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.21 0.77 0.00	31.23 0.76 0.00	44.44 1.00 0.00	48.38 1.00 0.00	40.07 1.39 0.00	31.12 1.28 0.00	29.22 1.37 0.00	27.41 1.31 0.00	27.08 1.34 0.00	28.49 1.54 0.00	28.97 1.67 0.00	30.09 1.78 0.00	35.74 1.90 0.00	47.25 2.21 0.00	58.60 2.25 0.00	57.75 2.01 0.00	46.11 1.77 0.00	40.37 1.81 0.00	34.03 1.53 0.00	31.89 1.26 0.00
RAVENSWOOD_GT3_4 24251	29.65 1.06 0.00	27.44 0.95 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.21 0.77 0.00	31.23 0.76 0.00	44.44 1.00 0.00	48.38 1.00 0.00	40.07 1.39 0.00	31.12 1.28 0.00	29.22 1.37 0.00	27.41 1.31 0.00	27.08 1.34 0.00	28.49 1.54 0.00	28.97 1.67 0.00	30.09 1.78 0.00	35.74 1.90 0.00	47.25 2.21 0.00	58.60 2.25 0.00	57.75 2.01 0.00	46.11 1.77 0.00	40.37 1.81 0.00	34.03 1.53 0.00	31.89 1.26 0.00
RAVENSWOOD_GT_1 23729	29.71 1.12 0.00	27.46 0.98 0.00	26.41 0.89 0.00	26.01 0.83 0.00	27.21 0.77 0.00	31.14 0.67 0.00	44.21 0.78 0.01	48.09 0.71 0.01	39.87 1.20 0.00	31.03 1.19 0.00	29.14 1.28 0.00	27.36 1.25 0.00	27.03 1.29 0.00	28.44 1.48 0.00	28.92 1.61 0.00	30.04 1.73 0.00	35.61 1.76 0.00	46.97 1.94 0.01	58.31 1.97 0.01	57.41 1.67 0.01	45.88 1.55 0.01	40.18 1.62 0.00	33.97 1.46 0.00	31.86 1.23 0.00
RAVENSWOOD_GT_10 24258	29.62 1.03 0.00	27.41 0.93 0.00	26.36 0.84 0.00	25.96 0.78 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.39 0.96 0.00	48.34 0.95 0.00	40.03 1.35 0.00	31.06 1.22 0.00	29.17 1.31 0.00	27.36 1.25 0.00	27.05 1.31 0.00	28.46 1.51 0.00	28.92 1.61 0.00	30.06 1.76 0.00	35.71 1.86 0.00	47.16 2.12 0.00	58.54 2.20 0.00	57.70 1.95 0.00	46.07 1.73 0.00	40.33 1.77 0.00	34.00 1.50 0.00	31.86 1.23 0.00
RAVENSWOOD_GT_11 24259	29.62 1.03 0.00	27.41 0.93 0.00	26.36 0.84 0.00	25.96 0.78 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.39 0.96 0.00	48.34 0.95 0.00	40.03 1.35 0.00	31.06 1.22 0.00	29.17 1.31 0.00	27.36 1.25 0.00	27.05 1.31 0.00	28.46 1.51 0.00	28.92 1.61 0.00	30.06 1.76 0.00	35.71 1.86 0.00	47.16 2.12 0.00	58.54 2.20 0.00	57.70 1.95 0.00	46.07 1.73 0.00	40.33 1.77 0.00	34.00 1.50 0.00	31.86 1.23 0.00
RAVENSWOOD_GT_4 24252	29.62 1.03 0.00	27.41 0.93 0.00	26.36 0.84 0.00	25.96 0.78 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.44 1.00 -0.01	48.39 1.00 -0.01	40.07 1.39 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.36 1.25 0.00	27.05 1.31 0.00	28.46 1.51 0.00	28.92 1.61 0.00	30.06 1.76 0.00	35.74 1.90 0.00	47.25 2.21 -0.01	58.60 2.25 -0.01	57.76 2.01 -0.01	46.12 1.77 -0.01	40.37 1.81 0.00	34.00 1.50 0.00	31.86 1.23 0.00
RAVENSWOOD_GT_5 24254	29.62 1.03 0.00	27.41 0.93 0.00	26.36 0.84 0.00	25.96 0.78 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.44 1.00 -0.01	48.39 1.00 -0.01	40.07 1.39 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.36 1.25 0.00	27.05 1.31 0.00	28.46 1.51 0.00	28.92 1.61 0.00	30.06 1.76 0.00	35.74 1.90 0.00	47.25 2.21 -0.01	58.60 2.25 -0.01	57.76 2.01 -0.01	46.12 1.77 -0.01	40.37 1.81 0.00	34.00 1.50 0.00	31.86 1.23 0.00
RAVENSWOOD_GT_6 24253	29.62 1.03 0.00	27.41 0.93 0.00	26.36 0.84 0.00	25.96 0.78 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.44 1.00 -0.01	48.39 1.00 -0.01	40.07 1.39 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.36 1.25 0.00	27.05 1.31 0.00	28.46 1.51 0.00	28.92 1.61 0.00	30.06 1.76 0.00	35.74 1.90 0.00	47.25 2.21 -0.01	58.60 2.25 -0.01	57.76 2.01 -0.01	46.12 1.77 -0.01	40.37 1.81 0.00	34.00 1.50 0.00	31.86 1.23 0.00
RAVENSWOOD_GT_7 24255	29.62 1.03 0.00	27.41 0.93 0.00	26.36 0.84 0.00	25.96 0.78 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.44 1.00 -0.01	48.39 1.00 -0.01	40.07 1.39 0.00	31.09 1.25 0.00	29.20 1.34 0.00	27.36 1.25 0.00	27.05 1.31 0.00	28.46 1.51 0.00	28.92 1.61 0.00	30.06 1.76 0.00	35.74 1.90 0.00	47.25 2.21 -0.01	58.60 2.25 -0.01	57.76 2.01 -0.01	46.12 1.77 -0.01	40.37 1.81 0.00	34.00 1.50 0.00	31.86 1.23 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	29.62 1.03 0.00	27.41 0.93 0.00	26.36 0.84 0.00	25.96 0.78 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.39 0.96 0.00	48.34 0.95 0.00	40.03 1.35 0.00	31.06 1.22 0.00	29.17 1.31 0.00	27.36 1.25 0.00	27.05 1.31 0.00	28.46 1.51 0.00	28.92 1.61 0.00	30.06 1.76 0.00	35.71 1.86 0.00	47.16 2.12 0.00	58.54 2.20 0.00	57.70 1.95 0.00	46.07 1.73 0.00	40.33 1.77 0.00	34.00 1.50 0.00	31.86 1.23 0.00
RAVENSWOOD_GT_9 24257	29.62 1.03 0.00	27.41 0.93 0.00	26.36 0.84 0.00	25.96 0.78 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.39 0.96 0.00	48.34 0.95 0.00	40.03 1.35 0.00	31.06 1.22 0.00	29.17 1.31 0.00	27.36 1.25 0.00	27.05 1.31 0.00	28.46 1.51 0.00	28.92 1.61 0.00	30.06 1.76 0.00	35.71 1.86 0.00	47.16 2.12 0.00	58.54 2.20 0.00	57.70 1.95 0.00	46.07 1.73 0.00	40.33 1.77 0.00	34.00 1.50 0.00	31.86 1.23 0.00



RAVENSWOOD___1 23533	29.71 1.11 0.00	27.46 0.98 0.00	26.33 0.82 0.00	25.96 0.78 0.00	27.21 0.77 0.00	31.14 0.67 0.00	44.17 0.74 0.01	48.09 0.71 0.01	39.87 1.20 0.00	31.03 1.19 0.00	29.14 1.28 0.00	27.36 1.25 0.00	27.03 1.29 0.00	28.44 1.48 0.00	28.92 1.61 0.00	30.04 1.73 0.00	35.60 1.76 0.00	46.84 1.80 0.01	58.25 1.92 0.01	57.41 1.67 0.01	45.84 1.51 0.01	40.14 1.58 0.00	33.97 1.46 0.00	31.86 1.23 0.00
RAVENSWOOD___2 23534	29.65 1.06 0.00	27.41 0.93 0.00	26.28 0.76 0.00	25.91 0.73 0.00	27.16 0.71 0.00	31.02 0.55 0.00	43.77 0.35 0.01	47.67 0.29 0.01	39.60 0.93 0.00	30.97 1.13 0.00	29.08 1.22 0.00	27.31 1.20 0.00	26.97 1.24 0.00	28.38 1.43 0.00	28.86 1.56 0.00	29.98 1.67 0.00	35.37 1.52 0.00	46.47 1.44 0.01	57.80 1.46 0.01	56.96 1.22 0.01	45.48 1.15 0.01	39.83 1.27 0.00	33.87 1.36 0.00	31.79 1.16 0.00
RAVENSWOOD___3 23535	29.62 1.03 0.00	27.41 0.93 0.00	26.31 0.79 0.00	25.94 0.75 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.35 0.91 0.00	48.29 0.90 0.00	40.03 1.35 0.00	31.06 1.22 0.00	29.17 1.31 0.00	27.36 1.25 0.00	27.05 1.31 0.00	28.46 1.51 0.00	28.92 1.61 0.00	30.06 1.76 0.00	35.71 1.86 0.00	47.07 2.03 0.00	58.54 2.20 0.00	57.69 1.95 0.00	46.06 1.73 0.00	40.30 1.74 0.00	34.00 1.50 0.00	31.86 1.23 0.00
RAVENSWOOD___4 23820	29.71 1.11 0.00	27.46 0.98 0.00	26.33 0.82 0.00	25.96 0.78 0.00	27.21 0.77 0.00	31.14 0.67 0.00	44.12 0.69 0.01	48.04 0.66 0.01	39.83 1.16 0.00	31.03 1.19 0.00	29.14 1.28 0.00	27.34 1.23 0.00	27.03 1.29 0.00	28.44 1.48 0.00	28.89 1.58 0.00	30.04 1.73 0.00	35.60 1.76 0.00	46.84 1.80 0.01	58.25 1.92 0.01	57.41 1.67 0.01	45.84 1.51 0.01	40.14 1.58 0.00	33.97 1.46 0.00	31.86 1.23 0.00
RCPL_TRUST___DRP 24196	29.62 1.03 0.00	27.44 0.95 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.44 1.00 0.00	48.38 1.00 0.00	40.10 1.43 0.00	31.09 1.25 0.00	29.22 1.37 0.00	27.39 1.28 0.00	27.08 1.34 0.00	28.49 1.54 0.00	28.95 1.64 0.00	30.09 1.78 0.00	35.74 1.90 0.00	47.25 2.21 0.00	58.60 2.25 0.00	57.75 2.01 0.00	46.11 1.77 0.00	40.37 1.81 0.00	34.00 1.50 0.00	31.86 1.23 0.00
RED___ROCHESTER 323720	28.42 -0.34 -0.17	26.35 -0.29 -0.16	25.61 -0.03 -0.12	25.09 -0.18 -0.09	26.29 -0.34 -0.19	30.88 -0.09 -0.50	44.14 -0.65 -1.35	48.81 -0.33 -1.75	39.49 -0.19 -1.01	30.36 0.09 -0.43	28.10 -0.03 -0.27	26.49 0.23 -0.14	26.14 0.28 -0.12	27.54 0.38 -0.21	27.86 0.30 -0.25	28.44 -0.11 -0.25	34.01 -0.13 -0.30	45.12 -0.59 -0.67	57.60 -0.84 -2.09	57.51 -0.39 -2.15	44.94 -0.84 -1.45	38.62 -0.62 -0.68	32.95 -0.10 -0.55	31.01 0.00 -0.38
REGAN___SOLAR 323812	30.34 1.74 0.00	28.07 1.59 0.00	27.07 1.56 0.00	26.67 1.49 0.00	28.08 1.64 0.00	32.48 2.01 0.00	46.65 3.21 0.00	50.38 2.99 0.00	39.87 1.20 0.00	29.78 -0.06 0.00	27.27 -0.59 0.00	25.27 -0.84 0.00	24.84 -0.90 0.00	26.07 -0.89 0.00	26.43 -0.87 0.00	28.05 -0.26 0.00	34.28 0.44 0.00	47.20 2.16 0.00	60.34 4.00 0.00	59.70 3.96 0.00	47.53 3.19 0.00	41.26 2.70 0.00	34.65 2.14 0.00	32.56 1.93 0.00
RENSSELAER___COGEN 23796	28.85 0.26 0.00	26.61 0.13 0.00	25.62 0.10 0.00	25.46 0.28 0.00	26.76 0.32 0.00	30.53 0.06 0.00	43.35 -0.09 0.00	47.29 -0.09 0.00	38.63 -0.04 0.00	29.78 -0.06 0.00	27.86 0.00 0.00	26.03 -0.08 0.00	25.69 -0.05 0.00	26.93 -0.03 0.00	27.31 0.00 0.00	28.45 0.14 0.00	34.02 0.17 0.00	45.22 0.18 0.00	56.46 0.11 0.00	55.63 -0.11 0.00	44.52 0.18 0.00	38.83 0.27 0.00	32.73 0.23 0.00	30.87 0.24 0.00
REPUBLIC_115KV_BARTNBRK 55605	31.20 2.60 0.00	28.84 2.36 0.00	27.86 2.35 0.00	27.42 2.24 0.00	28.93 2.49 0.00	33.37 2.89 0.00	48.04 4.60 0.00	52.03 4.64 0.00	41.61 2.94 0.00	31.36 1.52 0.00	29.06 1.20 0.00	27.05 0.94 0.00	26.64 0.90 0.00	27.90 0.94 0.00	28.13 0.82 0.00	29.67 1.36 0.00	35.84 2.00 0.00	48.82 3.78 0.00	61.81 5.47 0.00	61.04 5.30 0.00	48.68 4.35 0.00	42.26 3.70 0.00	35.43 2.93 0.00	33.33 2.70 0.00
REVERE_CPPR_DRP 24186	29.61 0.89 -0.12	27.47 0.87 -0.12	26.39 0.79 -0.09	26.03 0.78 -0.06	27.40 0.82 -0.14	31.94 1.10 -0.37	46.23 1.78 -1.01	50.73 2.04 -1.30	40.70 1.28 -0.75	30.93 0.78 -0.32	28.65 0.59 -0.20	26.68 0.47 -0.11	26.29 0.46 -0.09	27.60 0.49 -0.15	27.90 0.41 -0.19	29.06 0.57 -0.19	34.84 0.78 -0.22	46.75 1.22 -0.50	60.04 2.14 -1.56	59.69 2.34 -1.60	47.01 1.60 -1.08	40.38 1.31 -0.51	33.92 1.01 -0.41	31.68 0.77 -0.28
REYNLDPA_13_KV_LD 356490	28.85 0.26 0.00	26.77 0.29 0.00	25.80 0.28 0.00	25.48 0.30 0.00	26.79 0.34 0.00	30.90 0.43 0.00	44.22 0.78 0.00	48.24 0.85 0.00	39.17 0.50 0.00	30.20 0.36 0.00	28.22 0.36 0.00	26.47 0.37 0.00	26.07 0.33 0.00	27.12 0.16 0.00	27.50 0.19 0.00	28.08 -0.23 0.00	33.64 -0.20 0.00	44.91 -0.13 0.00	56.29 -0.06 0.00	55.69 -0.06 0.00	44.25 -0.09 0.00	38.44 -0.12 0.00	32.34 -0.16 0.00	30.87 0.24 0.00
REYNOLDS_115KV_TB3 80639	29.08 0.49 0.00	26.83 0.34 0.00	25.87 0.36 0.00	25.58 0.40 0.00	26.92 0.48 0.00	30.75 0.27 0.00	43.74 0.30 0.00	47.67 0.28 0.00	38.94 0.27 0.00	29.99 0.15 0.00	28.08 0.22 0.00	26.24 0.13 0.00	25.87 0.13 0.00	27.12 0.16 0.00	27.50 0.19 0.00	28.68 0.37 0.00	34.29 0.44 0.00	45.72 0.68 0.00	56.91 0.56 0.00	56.13 0.39 0.00	44.87 0.53 0.00	39.21 0.66 0.00	32.99 0.49 0.00	31.12 0.49 0.00
RIVERBAY____ 323610	29.94 1.34 0.00	27.65 1.17 0.00	26.56 1.05 0.00	26.16 0.98 0.00	27.40 0.95 0.00	31.26 0.79 0.00	44.51 1.09 0.01	48.47 1.09 0.01	39.99 1.31 0.00	31.12 1.28 0.00	29.22 1.37 0.00	27.41 1.31 0.00	27.10 1.36 0.00	28.52 1.56 0.00	29.00 1.69 0.00	30.12 1.81 0.00	35.71 1.86 0.00	47.24 2.21 0.01	58.70 2.37 0.01	57.85 2.12 0.01	46.19 1.86 0.01	40.37 1.81 0.00	34.16 1.66 0.00	32.04 1.41 0.00
RIVERSDE_115KV_TB3 55908	29.00 0.40 0.00	26.75 0.26 0.00	25.80 0.28 0.00	25.56 0.38 0.00	26.89 0.45 0.00	30.69 0.21 0.00	43.61 0.17 0.00	47.53 0.14 0.00	38.83 0.15 0.00	29.90 0.06 0.00	27.97 0.11 0.00	26.13 0.03 0.00	25.79 0.05 0.00	27.04 0.08 0.00	27.39 0.08 0.00	28.56 0.25 0.00	34.18 0.34 0.00	45.54 0.50 0.00	56.74 0.39 0.00	55.97 0.22 0.00	44.74 0.40 0.00	39.10 0.54 0.00	32.90 0.39 0.00	31.03 0.40 0.00
ROARING___BROOK_WT_PWR 323790	28.45 -0.14 0.00	26.40 -0.08 0.00	25.47 -0.05 0.00	25.16 -0.03 0.00	26.42 -0.03 0.00	30.44 -0.03 0.00	43.39 -0.04 0.00	47.34 -0.05 0.00	38.63 -0.04 0.00	29.84 0.00 0.00	27.89 0.03 0.00	26.16 0.05 0.00	25.76 0.03 0.00	26.96 0.00 0.00	27.31 0.00 0.00	28.31 0.00 0.00	33.85 0.00 0.00	45.04 0.00 0.00	56.34 0.00 0.00	55.52 -0.22 0.00	43.98 -0.36 0.00	38.06 -0.50 0.00	31.92 -0.58 0.00	29.99 -0.64 0.00



ROCHESRG_115KV_T4 355643	28.19 -0.57 -0.16	26.13 -0.50 -0.15	25.17 -0.46 -0.11	24.84 -0.43 -0.09	26.10 -0.53 -0.18	30.60 -0.37 -0.49	43.60 -1.17 -1.34	48.21 -0.90 -1.72	39.05 -0.62 -1.00	30.08 -0.18 -0.42	27.85 -0.28 -0.27	26.22 -0.03 -0.14	25.91 0.05 -0.11	27.29 0.13 -0.20	27.58 0.03 -0.25	28.19 -0.37 -0.25	33.63 -0.51 -0.29	44.30 -1.40 -0.66	56.94 -1.46 -2.07	56.81 -1.06 -2.13	44.44 -1.33 -1.43	38.03 -1.20 -0.67	32.56 -0.49 -0.54	30.76 -0.25 -0.37
ROCHESTER_9_IC 23652	28.33 -0.43 -0.17	26.24 -0.40 -0.16	25.27 -0.36 -0.12	24.94 -0.33 -0.09	26.21 -0.42 -0.19	30.76 -0.21 -0.50	43.84 -0.96 -1.35	48.52 -0.62 -1.75	39.30 -0.39 -1.01	30.24 -0.03 -0.43	27.99 -0.14 -0.27	26.38 0.13 -0.14	26.04 0.18 -0.12	27.43 0.27 -0.21	27.72 0.16 -0.25	28.33 -0.23 -0.25	33.84 -0.30 -0.30	44.58 -1.13 -0.67	57.31 -1.13 -2.09	57.17 -0.72 -2.15	44.68 -1.11 -1.45	38.24 -1.00 -0.68	32.73 -0.33 -0.55	30.89 -0.12 -0.38
ROCKVIEW_13_KV_LD 356306	29.65 1.06 0.00	27.44 0.95 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.21 0.77 0.00	31.26 0.79 0.00	44.57 1.13 0.00	48.48 1.09 0.00	40.10 1.43 0.00	31.06 1.22 0.00	29.17 1.31 0.00	27.34 1.23 0.00	27.00 1.26 0.00	28.41 1.46 0.00	28.86 1.56 0.00	30.01 1.70 0.00	35.67 1.83 0.00	47.25 2.21 0.00	58.65 2.31 0.00	57.81 2.06 0.00	46.20 1.86 0.00	40.41 1.85 0.00	34.03 1.53 0.00	31.89 1.26 0.00
ROME____115KV_TB2 80656	29.61 0.89 -0.12	27.47 0.87 -0.12	26.39 0.79 -0.09	26.03 0.78 -0.06	27.40 0.82 -0.14	31.94 1.10 -0.37	46.23 1.78 -1.01	50.73 2.04 -1.30	40.70 1.28 -0.75	30.93 0.78 -0.32	28.65 0.59 -0.20	26.68 0.47 -0.11	26.29 0.46 -0.09	27.60 0.49 -0.15	27.90 0.41 -0.19	29.06 0.57 -0.19	34.84 0.78 -0.22	46.75 1.22 -0.50	60.04 2.14 -1.56	59.69 2.34 -1.60	47.01 1.60 -1.08	40.38 1.31 -0.51	33.92 1.01 -0.41	31.68 0.77 -0.28
ROSETON____1 23587	29.37 0.77 0.00	27.14 0.66 0.00	26.08 0.56 0.00	25.73 0.55 0.00	26.97 0.53 0.00	31.02 0.55 0.00	44.17 0.74 0.00	48.05 0.66 0.00	39.60 0.93 0.00	30.64 0.81 0.00	28.75 0.89 0.00	26.94 0.84 0.00	26.59 0.85 0.00	27.95 1.00 0.00	28.40 1.09 0.00	29.52 1.22 0.00	35.16 1.32 0.00	46.52 1.48 0.00	57.92 1.58 0.00	57.14 1.39 0.00	45.67 1.33 0.00	39.87 1.31 0.00	33.58 1.07 0.00	31.55 0.92 0.00
ROSETON____2 23588	29.37 0.77 0.00	27.14 0.66 0.00	26.08 0.56 0.00	25.73 0.55 0.00	26.97 0.53 0.00	31.02 0.55 0.00	44.17 0.74 0.00	48.05 0.66 0.00	39.60 0.93 0.00	30.64 0.81 0.00	28.75 0.89 0.00	26.94 0.84 0.00	26.59 0.85 0.00	27.95 1.00 0.00	28.40 1.09 0.00	29.52 1.22 0.00	35.16 1.32 0.00	46.52 1.48 0.00	57.92 1.58 0.00	57.14 1.39 0.00	45.67 1.33 0.00	39.87 1.31 0.00	33.58 1.07 0.00	31.55 0.92 0.00
ROTRRDAM_115KV_TB3 80664	29.25 0.66 0.00	27.04 0.56 0.00	26.05 0.54 0.00	25.68 0.50 0.00	27.00 0.56 0.00	31.08 0.61 0.00	44.35 0.91 0.00	48.24 0.85 0.00	39.29 0.62 0.00	30.17 0.33 0.00	28.14 0.28 0.00	26.32 0.21 0.00	25.95 0.21 0.00	27.22 0.27 0.00	27.58 0.27 0.00	28.73 0.42 0.00	34.42 0.58 0.00	46.03 0.99 0.00	57.58 1.24 0.00	56.86 1.11 0.00	45.36 1.02 0.00	39.48 0.93 0.00	33.25 0.75 0.00	31.30 0.67 0.00
RUSSELL____1 23602	28.42 -0.34 -0.17	26.32 -0.32 -0.16	25.35 -0.28 -0.12	25.02 -0.25 -0.09	26.29 -0.34 -0.19	30.88 -0.09 -0.50	44.01 -0.78 -1.35	48.76 -0.38 -1.75	39.49 -0.19 -1.01	30.36 0.09 -0.43	28.10 -0.03 -0.27	26.49 0.23 -0.14	26.14 0.28 -0.12	27.54 0.38 -0.21	27.83 0.27 -0.25	28.44 -0.11 -0.25	34.01 -0.14 -0.30	44.76 -0.95 -0.67	57.59 -0.85 -2.09	57.51 -0.39 -2.15	44.90 -0.89 -1.45	38.43 -0.81 -0.68	32.86 -0.20 -0.55	31.01 0.00 -0.38
RUSSELL____2 23532	28.42 -0.34 -0.17	26.32 -0.32 -0.16	25.35 -0.28 -0.12	25.02 -0.25 -0.09	26.29 -0.34 -0.19	30.88 -0.09 -0.50	44.01 -0.78 -1.35	48.76 -0.38 -1.75	39.49 -0.19 -1.01	30.36 0.09 -0.43	28.10 -0.03 -0.27	26.49 0.23 -0.14	26.14 0.28 -0.12	27.54 0.38 -0.21	27.83 0.27 -0.25	28.44 -0.11 -0.25	34.01 -0.14 -0.30	44.76 -0.95 -0.67	57.59 -0.85 -2.09	57.51 -0.39 -2.15	44.90 -0.89 -1.45	38.43 -0.81 -0.68	32.86 -0.20 -0.55	31.01 0.00 -0.38
RUSSELL____3 23549	28.42 -0.34 -0.17	26.32 -0.32 -0.16	25.35 -0.28 -0.12	25.02 -0.25 -0.09	26.29 -0.34 -0.19	30.88 -0.09 -0.50	44.01 -0.78 -1.35	48.76 -0.38 -1.75	39.49 -0.19 -1.01	30.36 0.09 -0.43	28.10 -0.03 -0.27	26.49 0.23 -0.14	26.14 0.28 -0.12	27.54 0.38 -0.21	27.83 0.27 -0.25	28.44 -0.11 -0.25	34.01 -0.14 -0.30	44.76 -0.95 -0.67	57.59 -0.85 -2.09	57.51 -0.39 -2.15	44.90 -0.89 -1.45	38.43 -0.81 -0.68	32.86 -0.20 -0.55	31.01 0.00 -0.38
RUSSELL____4 23556	28.42 -0.34 -0.17	26.32 -0.32 -0.16	25.35 -0.28 -0.12	25.02 -0.25 -0.09	26.29 -0.34 -0.19	30.88 -0.09 -0.50	44.01 -0.78 -1.35	48.76 -0.38 -1.75	39.49 -0.19 -1.01	30.36 0.09 -0.43	28.10 -0.03 -0.27	26.49 0.23 -0.14	26.14 0.28 -0.12	27.54 0.38 -0.21	27.83 0.27 -0.25	28.44 -0.11 -0.25	34.01 -0.14 -0.30	44.76 -0.95 -0.67	57.59 -0.85 -2.09	57.51 -0.39 -2.15	44.90 -0.89 -1.45	38.43 -0.81 -0.68	32.86 -0.20 -0.55	31.01 0.00 -0.38
RUSSELL____STATION 23914	28.42 -0.34 -0.17	26.32 -0.32 -0.16	25.35 -0.28 -0.12	25.02 -0.25 -0.09	26.29 -0.34 -0.19	30.88 -0.09 -0.50	44.01 -0.78 -1.35	48.76 -0.38 -1.75	39.49 -0.19 -1.01	30.36 0.09 -0.43	28.10 -0.03 -0.27	26.49 0.23 -0.14	26.14 0.28 -0.12	27.54 0.38 -0.21	27.83 0.27 -0.25	28.44 -0.11 -0.25	34.01 -0.14 -0.30	44.76 -0.95 -0.67	57.59 -0.85 -2.09	57.51 -0.39 -2.15	44.90 -0.89 -1.45	38.43 -0.81 -0.68	32.86 -0.20 -0.55	31.01 0.00 -0.38
S SALMON____HYD 24043	28.97 -0.03 -0.41	26.86 0.00 -0.38	25.80 0.00 -0.28	25.37 -0.03 -0.21	26.87 -0.03 -0.46	31.78 0.09 -1.21	47.05 0.31 -3.31	52.08 0.43 -4.27	41.23 0.08 -2.47	30.86 -0.03 -1.05	28.35 -0.17 -0.66	26.28 -0.18 -0.35	25.84 -0.18 -0.28	27.28 -0.19 -0.51	27.62 -0.30 -0.61	28.63 -0.28 -0.61	34.26 -0.31 -0.72	46.40 -0.27 -1.63	61.52 0.06 -5.12	61.29 0.28 -5.27	47.97 0.09 -3.54	40.30 0.08 -1.66	33.87 0.03 -1.33	31.47 -0.09 -0.93
S.PERRY__115KV_TB1 80734	28.04 -0.74 -0.18	26.05 -0.61 -0.17	25.08 -0.56 -0.13	24.75 -0.53 -0.10	26.04 -0.61 -0.21	30.62 -0.40 -0.55	43.76 -1.17 -1.49	48.46 -0.85 -1.93	38.90 -0.89 -1.12	29.74 -0.57 -0.47	27.46 -0.70 -0.30	25.80 -0.47 -0.16	25.46 -0.41 -0.13	26.83 -0.35 -0.23	27.12 -0.46 -0.28	27.73 -0.85 -0.27	33.22 -0.95 -0.33	44.02 -1.76 -0.74	57.19 -1.46 -2.31	57.23 -0.89 -2.38	44.56 -1.37 -1.60	37.96 -1.35 -0.75	32.42 -0.68 -0.60	30.53 -0.52 -0.42
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	27.79 -0.97 -0.17	25.90 -0.74 -0.16	24.89 -0.74 -0.12	24.62 -0.65 -0.09	25.79 -0.85 -0.19	30.31 -0.67 -0.51	42.34 -2.48 -1.38	46.75 -2.42 -1.78	38.04 -1.66 -1.03	29.74 -0.54 -0.44	27.55 -0.59 -0.28	26.05 -0.21 -0.15	25.75 -0.10 -0.12	27.19 0.03 -0.21	27.51 -0.05 -0.26	27.80 -0.76 -0.25	32.96 -1.18 -0.30	43.15 -2.57 -0.68	55.21 -3.27 -2.14	55.04 -2.90 -2.20	43.07 -2.75 -1.48	36.86 -2.39 -0.69	31.96 -1.11 -0.56	30.50 -0.52 -0.39



SAWYER___23_KV_LOAD 55526	27.79 -0.97 -0.17	25.90 -0.74 -0.16	24.89 -0.74 -0.12	24.62 -0.65 -0.09	25.79 -0.85 -0.19	30.31 -0.67 -0.51	42.34 -2.48 -1.38	46.75 -2.42 -1.78	38.04 -1.66 -1.03	29.74 -0.54 -0.44	27.55 -0.59 -0.28	26.05 -0.21 -0.15	25.75 -0.10 -0.12	27.19 0.03 -0.21	27.51 -0.05 -0.26	27.80 -0.76 -0.25	32.96 -1.18 -0.30	43.15 -2.57 -0.68	55.21 -3.27 -2.14	55.04 -2.90 -2.20	43.07 -2.75 -1.48	36.86 -2.39 -0.69	31.96 -1.11 -0.56	30.50 -0.52 -0.39
SELKIRK___I 23801	29.20 0.60 0.00	26.96 0.48 0.00	25.98 0.46 0.00	25.71 0.53 0.00	27.02 0.58 0.00	30.99 0.52 0.00	44.09 0.65 0.00	48.00 0.61 0.00	38.98 0.31 0.00	29.90 0.06 0.00	27.89 0.03 0.00	26.06 -0.05 0.00	25.71 -0.03 0.00	26.96 0.00 0.00	27.34 0.03 0.00	28.51 0.20 0.00	34.18 0.34 0.00	45.72 0.68 0.00	57.24 0.90 0.00	56.52 0.78 0.00	45.14 0.80 0.00	39.33 0.77 0.00	33.15 0.65 0.00	31.24 0.61 0.00
SELKIRK___II 23799	28.94 0.34 0.00	26.72 0.24 0.00	25.72 0.20 0.00	25.48 0.30 0.00	26.79 0.34 0.00	30.66 0.18 0.00	43.57 0.13 0.00	47.48 0.09 0.00	38.83 0.16 0.00	29.90 0.06 0.00	27.97 0.11 0.00	26.16 0.05 0.00	25.79 0.05 0.00	27.06 0.11 0.00	27.42 0.11 0.00	28.56 0.25 0.00	34.15 0.30 0.00	45.40 0.36 0.00	56.68 0.34 0.00	55.91 0.17 0.00	44.69 0.35 0.00	38.98 0.42 0.00	32.83 0.33 0.00	30.97 0.34 0.00
SENECA OSWGO___HYD 24041	28.50 -0.31 -0.22	26.43 -0.26 -0.21	25.44 -0.23 -0.15	25.05 -0.25 -0.12	26.43 -0.26 -0.25	30.89 -0.24 -0.66	44.90 -0.35 -1.81	49.44 -0.28 -2.33	39.76 -0.27 -1.35	30.23 -0.18 -0.57	27.97 -0.25 -0.36	26.06 -0.24 -0.19	25.69 -0.21 -0.16	27.05 -0.19 -0.28	27.42 -0.22 -0.34	28.41 -0.23 -0.33	33.94 -0.31 -0.39	45.53 -0.41 -0.89	58.75 -0.39 -2.80	58.40 -0.22 -2.88	46.01 -0.26 -1.93	39.16 -0.31 -0.91	33.01 -0.23 -0.73	30.89 -0.25 -0.51
SENECA___115KV_TB3 355854	27.91 -0.86 -0.17	26.01 -0.64 -0.16	25.02 -0.61 -0.12	24.74 -0.53 -0.09	25.92 -0.71 -0.19	30.50 -0.49 -0.51	42.84 -2.00 -1.40	47.25 -1.94 -1.80	38.40 -1.31 -1.05	30.01 -0.27 -0.44	27.75 -0.39 -0.28	26.23 -0.03 -0.15	25.94 0.08 -0.12	27.41 0.24 -0.21	27.73 0.16 -0.26	28.06 -0.51 -0.26	33.27 -0.88 -0.31	43.61 -2.12 -0.69	55.97 -2.54 -2.16	55.74 -2.23 -2.22	43.53 -2.31 -1.50	37.18 -2.08 -0.70	32.19 -0.88 -0.56	30.62 -0.40 -0.39
SENECA___ENERGY 23797	28.65 -0.26 -0.32	26.60 -0.18 -0.30	25.66 -0.08 -0.22	25.17 -0.18 -0.17	26.59 -0.21 -0.36	31.39 -0.03 -0.95	45.76 -0.26 -2.58	50.62 -0.09 -3.33	40.49 -0.12 -1.93	30.69 0.03 -0.82	28.26 -0.11 -0.52	26.36 -0.03 -0.27	25.99 0.03 -0.22	27.43 0.08 -0.40	27.79 0.00 -0.48	28.64 -0.14 -0.47	34.24 -0.17 -0.56	45.95 -0.36 -1.27	60.06 -0.28 -3.99	59.85 0.00 -4.11	46.79 -0.31 -2.76	39.59 -0.27 -1.29	33.45 -0.10 -1.04	31.26 -0.09 -0.72
SHOEMAKER___GT 23640	29.31 0.72 0.00	27.12 0.63 0.00	26.00 0.48 0.00	25.68 0.50 0.00	26.92 0.48 0.00	31.02 0.55 0.00	44.13 0.69 0.00	48.05 0.66 0.00	39.45 0.77 0.00	30.49 0.66 0.00	28.58 0.72 0.00	26.79 0.68 0.00	26.43 0.70 0.00	27.82 0.86 0.00	28.24 0.93 0.00	29.36 1.05 0.00	34.96 1.12 0.00	46.39 1.35 0.00	57.87 1.52 0.00	57.08 1.34 0.00	45.58 1.24 0.00	39.76 1.20 0.00	33.51 1.01 0.00	31.49 0.86 0.00
SHOEMAKR_138KV_BK 111 55601	29.28 0.69 0.00	27.12 0.64 0.00	26.05 0.54 0.00	25.68 0.50 0.00	26.92 0.48 0.00	30.99 0.52 0.00	44.13 0.69 0.00	48.05 0.66 0.00	39.45 0.77 0.00	30.52 0.69 0.00	28.61 0.75 0.00	26.81 0.70 0.00	26.46 0.72 0.00	27.82 0.86 0.00	28.26 0.96 0.00	29.38 1.08 0.00	35.00 1.15 0.00	46.48 1.44 0.00	57.87 1.52 0.00	57.08 1.34 0.00	45.58 1.24 0.00	39.75 1.20 0.00	33.51 1.01 0.00	31.49 0.86 0.00
SHOREHAM_IC_1 23715	28.47 -0.11 0.01	26.32 -0.16 0.01	25.20 -0.31 0.01	24.85 -0.33 0.01	26.07 -0.37 0.01	27.47 -0.49 2.51	37.74 -0.78 4.91	45.53 -0.62 1.24	34.23 -0.15 4.29	29.77 -0.06 0.01	28.08 0.22 0.00	26.14 0.16 0.13	25.79 0.18 0.13	27.49 0.54 0.00	28.21 0.90 0.00	29.55 1.24 0.00	35.37 1.52 0.00	45.93 0.90 0.01	57.12 0.79 0.01	56.41 0.67 0.01	45.08 0.75 0.01	40.68 2.12 0.00	33.45 0.94 0.00	31.30 0.67 0.00
SHOREHAM_IC_2 23716	28.47 -0.11 0.01	26.32 -0.16 0.01	25.28 -0.23 0.01	24.90 -0.28 0.01	26.07 -0.37 0.01	27.48 -0.49 2.51	37.87 -0.65 4.91	45.58 -0.57 1.24	34.23 -0.15 4.29	29.77 -0.06 0.01	28.11 0.25 0.00	26.14 0.16 0.13	25.79 0.18 0.13	27.49 0.54 0.00	28.24 0.93 0.00	29.55 1.25 0.00	35.37 1.52 0.00	46.16 1.13 0.01	57.13 0.79 0.01	56.40 0.67 0.01	45.08 0.75 0.01	40.72 2.16 0.00	33.51 1.01 0.00	31.30 0.67 0.00
SISSONVILLE___ 23735	29.14 0.49 -0.06	27.09 0.56 -0.06	26.09 0.54 -0.04	25.77 0.55 -0.03	27.09 0.58 -0.07	31.44 0.79 -0.18	45.40 1.48 -0.49	49.68 1.66 -0.63	39.97 0.93 -0.37	30.59 0.60 -0.16	28.49 0.53 -0.10	26.68 0.52 -0.05	26.22 0.44 -0.04	27.27 0.24 -0.08	27.64 0.25 -0.09	28.46 0.06 -0.09	34.16 0.20 -0.11	45.64 0.36 -0.24	57.72 0.62 -0.76	57.19 0.67 -0.78	45.39 0.53 -0.53	39.34 0.54 -0.25	33.16 0.46 -0.20	31.17 0.40 -0.14
SITHE_IND_GS1 24169	25.74 -0.80 2.05	23.82 -0.74 1.92	23.41 -0.69 1.42	23.41 -0.70 1.07	23.41 -0.74 2.29	23.55 -0.82 6.10	25.62 -1.17 16.65	24.70 -1.23 21.46	25.23 -1.01 12.44	23.78 -0.78 5.28	23.78 -0.75 3.33	23.64 -0.70 1.76	23.64 -0.67 1.43	23.73 -0.67 2.55	23.51 -0.71 3.09	24.49 -0.76 3.05	29.30 -0.91 3.63	35.58 -1.26 8.20	29.09 -1.52 25.73	27.88 -1.39 26.47	25.35 -1.20 17.79	29.18 -1.04 8.34	24.95 -0.85 6.71	25.17 -0.80 4.66
SITHE_IND_GS2 24170	25.74 -0.80 2.05	23.82 -0.74 1.92	23.41 -0.69 1.42	23.41 -0.70 1.07	23.41 -0.74 2.29	23.55 -0.82 6.10	25.62 -1.17 16.65	24.70 -1.23 21.46	25.23 -1.01 12.44	23.78 -0.78 5.28	23.78 -0.75 3.33	23.64 -0.70 1.76	23.64 -0.67 1.43	23.73 -0.67 2.55	23.51 -0.71 3.09	24.49 -0.76 3.05	29.30 -0.91 3.63	35.58 -1.26 8.20	29.09 -1.52 25.73	27.88 -1.39 26.47	25.35 -1.20 17.79	29.18 -1.04 8.34	24.95 -0.85 6.71	25.17 -0.80 4.66
SITHE_IND_GS3 24171	25.74 -0.80 2.05	23.82 -0.74 1.92	23.41 -0.69 1.42	23.41 -0.70 1.07	23.41 -0.74 2.29	23.55 -0.82 6.10	25.62 -1.17 16.65	24.70 -1.23 21.46	25.23 -1.01 12.44	23.78 -0.78 5.28	23.78 -0.75 3.33	23.64 -0.70 1.76	23.64 -0.67 1.43	23.73 -0.67 2.55	23.51 -0.71 3.09	24.49 -0.76 3.05	29.30 -0.91 3.63	35.58 -1.26 8.20	29.09 -1.52 25.73	27.88 -1.39 26.47	25.35 -1.20 17.79	29.18 -1.04 8.34	24.95 -0.85 6.71	25.17 -0.80 4.66
SITHE_IND_GS4 24172	25.74 -0.80 2.05	23.82 -0.74 1.92	23.41 -0.69 1.42	23.41 -0.70 1.07	23.41 -0.74 2.29	23.55 -0.82 6.10	25.62 -1.17 16.65	24.70 -1.23 21.46	25.23 -1.01 12.44	23.78 -0.78 5.28	23.78 -0.75 3.33	23.64 -0.70 1.76	23.64 -0.67 1.43	23.73 -0.67 2.55	23.51 -0.71 3.09	24.49 -0.76 3.05	29.30 -0.91 3.63	35.58 -1.26 8.20	29.09 -1.52 25.73	27.88 -1.39 26.47	25.35 -1.20 17.79	29.18 -1.04 8.34	24.95 -0.85 6.71	25.17 -0.80 4.66



SITHE___BATAVIA 24024	28.31 -0.46 -0.17	26.30 -0.35 -0.16	25.69 0.05 -0.12	25.12 -0.15 -0.09	26.24 -0.40 -0.19	30.86 -0.12 -0.51	43.73 -1.08 -1.38	48.41 -0.76 -1.78	39.16 -0.54 -1.03	30.28 0.00 -0.44	27.97 -0.17 -0.28	26.46 0.21 -0.15	26.11 0.26 -0.12	27.57 0.40 -0.21	27.86 0.30 -0.26	28.25 -0.31 -0.25	33.67 -0.47 -0.30	44.69 -1.03 -0.68	56.90 -1.58 -2.13	56.88 -1.06 -2.19	44.35 -1.46 -1.47	38.17 -1.08 -0.69	32.80 -0.26 -0.56	31.05 0.03 -0.39
SITHE___INDEPEND 23800	25.74 -0.80 2.05	23.82 -0.74 1.92	23.38 -0.71 1.42	23.41 -0.71 1.07	23.41 -0.74 2.29	23.55 -0.82 6.10	25.57 -1.22 16.65	24.70 -1.23 21.46	25.23 -1.01 12.44	23.78 -0.78 5.28	23.78 -0.75 3.33	23.64 -0.70 1.76	23.64 -0.67 1.43	23.73 -0.67 2.55	23.51 -0.71 3.09	24.49 -0.76 3.05	29.30 -0.91 3.63	35.53 -1.31 8.20	29.09 -1.52 25.73	27.88 -1.39 26.47	25.35 -1.20 17.79	29.13 -1.08 8.34	24.95 -0.85 6.71	25.17 -0.80 4.66
SITHE___MASSENA 23902	28.88 0.29 0.00	26.83 0.34 0.00	25.85 0.33 0.00	25.53 0.35 0.00	26.81 0.37 0.00	30.96 0.49 0.00	44.35 0.91 0.00	48.38 1.00 0.00	39.25 0.58 0.00	30.22 0.39 0.00	28.25 0.39 0.00	26.50 0.39 0.00	26.07 0.33 0.00	27.15 0.19 0.00	27.50 0.19 0.00	28.37 0.06 0.00	34.02 0.17 0.00	45.40 0.36 0.00	56.91 0.56 0.00	56.30 0.56 0.00	44.78 0.44 0.00	38.90 0.35 0.00	32.73 0.23 0.00	30.91 0.28 0.00
SITHE___OGDNSBRG 24021	29.39 0.74 -0.05	27.29 0.77 -0.04	26.29 0.74 -0.03	25.99 0.78 -0.02	27.29 0.79 -0.05	31.68 1.07 -0.14	45.69 1.87 -0.38	49.92 2.04 -0.49	40.08 1.12 -0.29	30.65 0.69 -0.12	28.52 0.59 -0.08	26.72 0.57 -0.04	26.24 0.46 -0.03	27.31 0.30 -0.06	27.68 0.30 -0.07	28.55 0.17 -0.07	34.30 0.37 -0.08	46.04 0.81 -0.19	58.35 1.41 -0.59	57.91 1.56 -0.61	45.90 1.15 -0.41	39.71 0.96 -0.19	33.41 0.75 -0.15	31.41 0.67 -0.11
SITHE___STERLING 23777	29.39 0.66 -0.14	27.25 0.63 -0.13	26.22 0.61 -0.10	25.83 0.58 -0.07	27.21 0.61 -0.16	31.74 0.85 -0.41	45.91 1.35 -1.13	50.40 1.56 -1.45	40.52 1.00 -0.84	30.82 0.63 -0.36	28.53 0.44 -0.23	26.62 0.39 -0.12	26.22 0.39 -0.10	27.53 0.40 -0.17	27.85 0.33 -0.21	29.00 0.48 -0.21	34.70 0.61 -0.25	46.54 0.95 -0.56	59.72 1.64 -1.74	59.37 1.84 -1.79	46.78 1.24 -1.21	40.12 1.00 -0.57	33.74 0.78 -0.45	31.56 0.61 -0.32
SLEIGHT__34_KV_TB1 80719	28.24 -0.57 -0.22	26.18 -0.50 -0.20	25.21 -0.46 -0.15	24.84 -0.45 -0.11	26.18 -0.50 -0.24	30.78 -0.34 -0.65	44.38 -0.83 -1.77	49.14 -0.52 -2.28	39.61 -0.39 -1.32	30.25 -0.15 -0.56	27.93 -0.28 -0.35	26.19 -0.10 -0.19	25.84 -0.05 -0.15	27.25 0.03 -0.27	27.55 -0.08 -0.33	28.29 -0.34 -0.32	33.79 -0.44 -0.39	44.83 -1.08 -0.87	58.12 -0.96 -2.73	57.99 -0.56 -2.81	45.29 -0.93 -1.89	38.56 -0.89 -0.88	32.79 -0.42 -0.71	30.82 -0.31 -0.49
SMITHTWN_69_KV_BK 1 55830	28.96 0.37 0.01	26.74 0.26 0.01	25.69 0.18 0.01	25.30 0.13 0.01	26.49 0.05 0.01	27.20 -0.03 3.25	41.29 0.00 2.15	46.30 0.14 1.23	37.26 0.46 1.87	30.31 0.48 0.01	28.61 0.75 0.00	26.60 0.65 0.16	26.21 0.64 0.17	27.98 1.02 0.00	28.70 1.39 0.00	29.98 1.67 0.00	35.88 2.03 0.00	46.65 1.62 0.01	57.80 1.46 0.01	57.07 1.34 0.01	45.57 1.24 0.01	41.14 2.58 0.00	33.94 1.43 0.00	31.70 1.07 0.00
SOUTH CAIRO___GT 23612	29.80 1.20 0.00	27.57 1.09 0.00	26.56 1.05 0.00	26.31 1.13 0.00	27.63 1.19 0.00	31.87 1.40 0.00	45.61 2.17 0.00	49.66 2.27 0.00	39.79 1.12 0.00	30.17 0.33 0.00	28.00 0.14 0.00	26.11 0.00 0.00	25.74 0.00 0.00	27.01 0.05 0.00	27.42 0.11 0.00	28.73 0.42 0.00	34.62 0.78 0.00	46.93 1.89 0.00	59.16 2.82 0.00	58.36 2.62 0.00	46.55 2.22 0.00	40.45 1.89 0.00	34.10 1.59 0.00	32.10 1.47 0.00
SOUTH HAMPTN___IC 23720	28.62 0.03 0.01	26.45 -0.03 0.01	25.33 -0.18 0.01	24.97 -0.20 0.01	26.20 -0.24 0.01	27.66 -0.33 2.48	34.77 -0.65 8.02	45.72 -0.43 1.24	31.67 0.00 7.01	29.89 0.06 0.01	28.22 0.36 0.00	26.27 0.29 0.12	25.94 0.33 0.13	27.71 0.75 0.00	28.48 1.17 0.00	29.86 1.56 0.00	35.81 1.96 0.00	46.56 1.53 0.01	57.97 1.64 0.01	57.24 1.51 0.01	45.75 1.42 0.01	41.26 2.70 0.00	33.90 1.40 0.00	31.76 1.13 0.00
SOUTHDOW_115KV_TB1 355954	28.11 -0.66 -0.17	26.25 -0.40 -0.16	25.28 -0.36 -0.12	25.04 -0.23 -0.09	26.32 -0.32 -0.19	31.08 0.09 -0.52	44.50 -0.35 -1.41	49.06 -0.14 -1.82	39.61 -0.12 -1.05	31.12 0.84 -0.45	28.73 0.59 -0.28	27.20 0.94 -0.15	26.92 1.06 -0.12	28.47 1.29 -0.22	28.80 1.23 -0.26	29.11 0.54 -0.26	34.56 0.41 -0.31	45.10 -0.63 -0.69	57.90 -0.62 -2.18	57.60 -0.39 -2.24	44.74 -1.11 -1.51	37.92 -1.35 -0.71	32.62 -0.46 -0.57	30.81 -0.21 -0.39
SOUTHOLD_69_KV_BK 2 55809	28.53 -0.06 0.01	26.34 -0.13 0.01	25.28 -0.23 0.01	24.90 -0.28 0.01	26.09 -0.34 0.01	27.56 -0.43 2.48	34.46 -0.83 8.16	45.44 -0.71 1.24	31.31 -0.23 7.13	29.68 -0.15 0.01	28.11 0.25 0.00	26.17 0.18 0.12	25.87 0.26 0.13	27.71 0.75 0.00	28.62 1.31 0.00	30.06 1.76 0.00	36.18 2.34 0.00	47.37 2.34 0.01	58.76 2.42 0.01	58.08 2.34 0.01	46.37 2.04 0.01	41.87 3.32 0.00	34.42 1.92 0.00	32.22 1.59 0.00
SOUTHOLD___IC 23719	28.53 -0.06 0.01	26.32 -0.16 0.01	25.20 -0.31 0.01	24.87 -0.30 0.01	26.09 -0.34 0.01	27.56 -0.43 2.48	34.28 -1.00 8.16	45.44 -0.71 1.24	31.31 -0.23 7.13	29.68 -0.15 0.01	28.08 0.22 0.00	26.17 0.18 0.12	25.87 0.26 0.13	27.71 0.75 0.00	28.59 1.28 0.00	30.06 1.76 0.00	36.18 2.33 0.00	47.15 2.12 0.01	58.76 2.42 0.01	58.08 2.34 0.01	46.37 2.04 0.01	41.83 3.28 0.00	34.36 1.85 0.00	32.22 1.59 0.00
SOUTH_FORK_WT_PWR 323839	28.21 -0.37 0.01	26.02 -0.45 0.01	24.92 -0.59 0.01	24.60 -0.58 0.01	25.80 -0.63 0.01	27.23 -0.76 2.48	33.75 -1.61 8.08	44.77 -1.38 1.24	30.84 -0.77 7.06	29.26 -0.57 0.01	27.72 -0.14 0.00	25.85 -0.13 0.12	25.58 -0.03 0.13	27.47 0.51 0.00	28.43 1.12 0.00	29.95 1.64 0.00	36.08 2.23 0.00	47.06 2.03 0.01	58.65 2.31 0.01	58.02 2.29 0.01	46.33 2.00 0.01	41.88 3.32 0.00	34.39 1.88 0.00	32.25 1.62 0.00
SPIERFLS_115KV_TB 1 80737	30.11 1.52 0.00	27.81 1.32 0.00	26.84 1.33 0.00	26.44 1.26 0.00	27.82 1.38 0.00	32.06 1.58 0.00	45.91 2.48 0.00	49.85 2.46 0.00	40.30 1.62 0.00	30.67 0.84 0.00	28.50 0.64 0.00	26.58 0.47 0.00	26.20 0.46 0.00	27.47 0.51 0.00	27.77 0.46 0.00	29.10 0.79 0.00	35.00 1.15 0.00	47.20 2.16 0.00	59.33 2.99 0.00	58.59 2.84 0.00	46.73 2.39 0.00	40.64 2.08 0.00	34.20 1.69 0.00	32.16 1.53 0.00
ST LAWRENCE____ 23600	28.65 0.06 0.00	26.59 0.11 0.00	25.62 0.10 0.00	25.31 0.13 0.00	26.58 0.13 0.00	30.66 0.18 0.00	43.83 0.39 0.00	47.81 0.43 0.00	38.91 0.23 0.00	30.02 0.18 0.00	28.03 0.17 0.00	26.29 0.18 0.00	25.87 0.13 0.00	26.98 0.03 0.00	27.36 0.05 0.00	28.25 -0.06 0.00	33.81 -0.03 0.00	45.09 0.05 0.00	56.46 0.11 0.00	55.86 0.11 0.00	44.43 0.09 0.00	38.56 0.00 0.00	32.47 -0.03 0.00	30.66 0.03 0.00



STATE_CA_115KV_115_LB 55624	28.97 0.37 0.00	26.75 0.26 0.00	25.80 0.28 0.00	25.58 0.40 0.00	26.89 0.45 0.00	30.69 0.21 0.00	43.61 0.17 0.00	47.53 0.14 0.00	38.83 0.15 0.00	29.87 0.03 0.00	27.94 0.08 0.00	26.11 0.00 0.00	25.76 0.03 0.00	26.98 0.03 0.00	27.36 0.05 0.00	28.53 0.23 0.00	34.15 0.30 0.00	45.49 0.45 0.00	56.74 0.39 0.00	55.97 0.22 0.00	44.74 0.40 0.00	39.10 0.54 0.00	32.90 0.39 0.00	31.00 0.37 0.00
STATE_ST_34_KV_LOAD 55959	28.79 -0.14 -0.34	26.70 -0.11 -0.32	25.65 -0.10 -0.24	25.23 -0.13 -0.18	26.72 -0.11 -0.38	31.49 0.00 -1.02	46.17 -0.04 -2.77	51.06 0.09 -3.58	40.78 0.04 -2.07	30.78 0.06 -0.88	28.33 -0.08 -0.55	26.38 -0.03 -0.29	25.98 0.00 -0.24	27.43 0.05 -0.43	27.82 0.00 -0.51	28.76 -0.06 -0.51	34.38 -0.07 -0.61	46.23 -0.18 -1.37	60.75 0.11 -4.29	60.49 0.33 -4.41	47.35 0.04 -2.97	39.83 -0.12 -1.39	33.66 0.03 -1.12	31.41 0.00 -0.78
STATION_5_MISC_HYD 23604	28.33 -0.43 -0.17	26.27 -0.37 -0.16	25.53 -0.10 -0.12	25.02 -0.25 -0.09	26.21 -0.42 -0.19	30.76 -0.21 -0.50	43.92 -0.87 -1.35	48.57 -0.57 -1.75	39.30 -0.39 -1.01	30.24 -0.03 -0.43	27.99 -0.14 -0.27	26.38 0.13 -0.14	26.04 0.18 -0.12	27.43 0.27 -0.21	27.72 0.16 -0.25	28.33 -0.23 -0.25	33.84 -0.31 -0.30	44.90 -0.81 -0.67	57.31 -1.13 -2.09	57.17 -0.73 -2.15	44.72 -1.06 -1.45	38.47 -0.77 -0.68	32.83 -0.23 -0.55	30.89 -0.12 -0.38
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	28.30 -0.49 -0.19	26.24 -0.42 -0.18	25.27 -0.38 -0.13	24.90 -0.38 -0.10	26.21 -0.45 -0.21	30.83 -0.21 -0.57	44.21 -0.78 -1.56	48.93 -0.47 -2.01	39.49 -0.35 -1.17	30.24 -0.09 -0.49	27.95 -0.22 -0.31	26.25 -0.03 -0.17	25.90 0.03 -0.13	27.30 0.11 -0.24	27.60 0.00 -0.29	28.31 -0.28 -0.29	33.85 -0.34 -0.34	44.77 -1.04 -0.77	57.85 -0.90 -2.41	57.67 -0.56 -2.48	45.07 -0.93 -1.67	38.42 -0.93 -0.78	32.78 -0.36 -0.63	30.82 -0.25 -0.44
STA_56_34_KV_BUS2_REV_LBMP_B 345033	28.17 -0.60 -0.17	26.09 -0.56 -0.16	25.12 -0.51 -0.12	24.79 -0.48 -0.09	26.05 -0.58 -0.19	30.58 -0.40 -0.51	43.69 -1.13 -1.39	48.37 -0.81 -1.79	39.17 -0.54 -1.04	30.10 -0.18 -0.44	27.86 -0.28 -0.28	26.23 -0.03 -0.15	25.88 0.03 -0.12	27.28 0.11 -0.21	27.57 0.00 -0.26	28.20 -0.37 -0.25	33.67 -0.47 -0.30	44.42 -1.31 -0.68	57.14 -1.35 -2.14	57.00 -0.95 -2.21	44.53 -1.29 -1.48	38.10 -1.16 -0.70	32.58 -0.49 -0.56	30.71 -0.31 -0.39
STA_56___34_KV_BUS2 355983	28.17 -0.60 -0.17	26.09 -0.56 -0.16	25.12 -0.51 -0.12	24.79 -0.48 -0.09	26.05 -0.58 -0.19	30.58 -0.40 -0.51	43.69 -1.13 -1.39	48.37 -0.81 -1.79	39.17 -0.54 -1.04	30.10 -0.18 -0.44	27.86 -0.28 -0.28	26.23 -0.03 -0.15	25.88 0.03 -0.12	27.28 0.11 -0.21	27.57 0.00 -0.26	28.20 -0.37 -0.25	33.67 -0.47 -0.30	44.42 -1.31 -0.68	57.14 -1.35 -2.14	57.00 -0.95 -2.21	44.53 -1.29 -1.48	38.10 -1.16 -0.70	32.58 -0.49 -0.56	30.71 -0.31 -0.39
STA_67___115KV_BK2 355882	28.28 -0.49 -0.17	26.19 -0.45 -0.16	25.22 -0.41 -0.12	24.89 -0.38 -0.09	26.15 -0.48 -0.19	30.69 -0.27 -0.50	43.75 -1.04 -1.35	48.42 -0.71 -1.74	39.22 -0.46 -1.01	30.18 -0.09 -0.43	27.93 -0.20 -0.27	26.30 0.05 -0.14	25.98 0.13 -0.12	27.38 0.22 -0.21	27.67 0.11 -0.25	28.27 -0.28 -0.25	33.73 -0.41 -0.30	44.49 -1.22 -0.67	57.14 -1.30 -2.09	57.00 -0.89 -2.15	44.59 -1.20 -1.45	38.16 -1.08 -0.68	32.66 -0.39 -0.55	30.83 -0.18 -0.38
STA_7___115KV_9TRANS 80674	28.42 -0.34 -0.17	26.32 -0.32 -0.16	25.35 -0.28 -0.12	25.02 -0.25 -0.09	26.29 -0.34 -0.19	30.88 -0.09 -0.50	44.01 -0.78 -1.35	48.76 -0.38 -1.75	39.49 -0.19 -1.01	30.36 0.09 -0.43	28.10 -0.03 -0.27	26.49 0.23 -0.14	26.14 0.28 -0.12	27.54 0.38 -0.21	27.83 0.27 -0.25	28.44 -0.11 -0.25	34.01 -0.14 -0.30	44.76 -0.95 -0.67	57.59 -0.85 -2.09	57.51 -0.39 -2.15	44.90 -0.89 -1.45	38.43 -0.81 -0.68	32.86 -0.20 -0.55	31.01 0.00 -0.38
STA_82___115KV_TB1 80780	28.28 -0.49 -0.17	26.19 -0.45 -0.16	25.22 -0.41 -0.12	24.89 -0.38 -0.09	26.16 -0.48 -0.19	30.70 -0.27 -0.50	43.76 -1.04 -1.37	48.44 -0.71 -1.76	39.23 -0.46 -1.02	30.18 -0.09 -0.43	27.94 -0.20 -0.27	26.33 0.08 -0.14	25.99 0.13 -0.12	27.38 0.22 -0.21	27.67 0.11 -0.25	28.28 -0.28 -0.25	33.77 -0.37 -0.30	44.50 -1.22 -0.67	57.22 -1.24 -2.11	57.08 -0.84 -2.17	44.65 -1.15 -1.46	38.16 -1.08 -0.69	32.67 -0.39 -0.55	30.83 -0.18 -0.38
STEEL___WIND 323596	27.88 -0.89 -0.17	26.04 -0.61 -0.16	25.38 -0.26 -0.12	24.84 -0.43 -0.09	25.92 -0.71 -0.19	30.50 -0.49 -0.51	42.92 -1.91 -1.40	47.29 -1.90 -1.80	38.36 -1.35 -1.05	29.98 -0.30 -0.44	27.72 -0.42 -0.28	26.20 -0.05 -0.15	25.91 0.05 -0.12	27.38 0.21 -0.21	27.73 0.16 -0.26	28.03 -0.54 -0.26	33.24 -0.91 -0.31	44.11 -1.62 -0.69	55.92 -2.59 -2.16	55.68 -2.29 -2.22	43.57 -2.26 -1.50	37.49 -1.77 -0.70	32.29 -0.78 -0.56	30.59 -0.43 -0.39
STEPHTWN_115KV_BK_2 55603	29.08 0.49 0.00	26.85 0.37 0.00	25.90 0.38 0.00	25.68 0.50 0.00	27.00 0.56 0.00	30.84 0.37 0.00	43.83 0.39 0.00	47.81 0.43 0.00	38.98 0.31 0.00	29.96 0.12 0.00	28.00 0.14 0.00	26.16 0.05 0.00	25.82 0.08 0.00	27.04 0.08 0.00	27.39 0.08 0.00	28.59 0.28 0.00	34.25 0.41 0.00	45.72 0.68 0.00	57.08 0.73 0.00	56.25 0.50 0.00	44.96 0.62 0.00	39.29 0.73 0.00	33.06 0.55 0.00	31.15 0.52 0.00
STEUBEN_REC_LFGE 323667	28.37 -0.43 -0.21	26.46 -0.21 -0.19	25.48 -0.18 -0.14	25.14 -0.15 -0.11	26.46 -0.21 -0.23	31.21 0.12 -0.61	44.54 -0.56 -1.67	49.07 -0.47 -2.15	39.53 -0.39 -1.25	30.40 0.03 -0.53	27.97 -0.22 -0.33	26.29 0.00 -0.18	25.96 0.08 -0.14	27.43 0.22 -0.26	27.73 0.11 -0.31	28.36 -0.25 -0.31	33.80 -0.41 -0.36	44.87 -0.99 -0.82	58.14 -0.79 -2.58	57.84 -0.56 -2.65	45.06 -1.06 -1.78	38.12 -1.27 -0.84	32.53 -0.65 -0.67	30.64 -0.46 -0.47
STILLWATER___SOLAR 323814	29.77 1.17 0.00	27.49 1.01 0.00	26.49 0.97 0.00	26.14 0.96 0.00	27.50 1.06 0.00	31.63 1.16 0.00	45.22 1.78 0.00	49.19 1.80 0.00	39.87 1.20 0.00	30.47 0.63 0.00	28.39 0.53 0.00	26.47 0.37 0.00	26.07 0.33 0.00	27.36 0.40 0.00	27.72 0.41 0.00	28.96 0.65 0.00	34.79 0.95 0.00	46.71 1.67 0.00	58.60 2.26 0.00	57.86 2.12 0.00	46.20 1.86 0.00	40.18 1.62 0.00	33.81 1.30 0.00	31.89 1.26 0.00
STONY___BROOK 24151	28.96 0.37 0.01	26.74 0.26 0.01	25.61 0.10 0.01	25.25 0.08 0.01	26.49 0.05 0.01	27.68 0.00 2.79	41.41 -0.09 1.94	46.30 0.14 1.24	37.48 0.50 1.69	30.28 0.45 0.01	28.58 0.72 0.00	26.59 0.63 0.14	26.24 0.64 0.15	27.98 1.02 0.00	28.67 1.36 0.00	29.98 1.67 0.00	35.88 2.03 0.00	46.52 1.48 0.01	57.80 1.46 0.01	57.07 1.34 0.01	45.62 1.29 0.01	41.14 2.58 0.00	33.87 1.36 0.00	31.70 1.07 0.00
STURGEON_POOL_HYD 23609	29.48 0.89 0.00	27.28 0.79 0.00	26.23 0.71 0.00	25.84 0.65 0.00	27.05 0.61 0.00	31.17 0.70 0.00	44.48 1.04 0.00	48.38 1.00 0.00	39.76 1.08 0.00	30.70 0.87 0.00	28.78 0.92 0.00	26.97 0.86 0.00	26.61 0.88 0.00	28.01 1.05 0.00	28.48 1.17 0.00	29.61 1.30 0.00	35.27 1.42 0.00	46.89 1.85 0.00	58.32 1.97 0.00	57.47 1.73 0.00	45.93 1.60 0.00	40.06 1.50 0.00	33.77 1.27 0.00	31.70 1.07 0.00



ST_LAW_115_BK7_LBMP 345037	28.65 0.06 0.00	26.59 0.11 0.00	25.62 0.10 0.00	25.31 0.13 0.00	26.58 0.13 0.00	30.66 0.18 0.00	43.83 0.39 0.00	47.81 0.43 0.00	38.91 0.23 0.00	30.02 0.18 0.00	28.03 0.17 0.00	26.29 0.18 0.00	25.87 0.13 0.00	26.98 0.03 0.00	27.34 0.03 0.00	28.20 -0.11 0.00	33.78 -0.07 0.00	45.04 0.00 0.00	56.40 0.06 0.00	55.80 0.06 0.00	44.38 0.04 0.00	38.56 0.00 0.00	32.44 -0.06 0.00	30.66 0.03 0.00
ST_LAW_115_BK8_LBMP 345038	28.65 0.06 0.00	26.59 0.11 0.00	25.62 0.10 0.00	25.31 0.13 0.00	26.58 0.13 0.00	30.66 0.18 0.00	43.83 0.39 0.00	47.81 0.43 0.00	38.91 0.23 0.00	30.02 0.18 0.00	28.03 0.17 0.00	26.29 0.18 0.00	25.87 0.13 0.00	26.98 0.03 0.00	27.34 0.03 0.00	28.20 -0.11 0.00	33.78 -0.07 0.00	45.04 0.00 0.00	56.40 0.06 0.00	55.80 0.06 0.00	44.38 0.04 0.00	38.56 0.00 0.00	32.44 -0.06 0.00	30.66 0.03 0.00
ST_LAW_230_BK5_LBMP 345035	28.65 0.06 0.00	26.59 0.11 0.00	25.62 0.10 0.00	25.31 0.13 0.00	26.58 0.13 0.00	30.66 0.18 0.00	43.83 0.39 0.00	47.81 0.43 0.00	38.91 0.23 0.00	30.02 0.18 0.00	28.03 0.17 0.00	26.29 0.18 0.00	25.87 0.13 0.00	26.98 0.03 0.00	27.36 0.05 0.00	28.25 -0.06 0.00	33.81 -0.03 0.00	45.09 0.05 0.00	56.46 0.11 0.00	55.86 0.11 0.00	44.43 0.09 0.00	38.56 0.00 0.00	32.47 -0.03 0.00	30.66 0.03 0.00
ST_LAW_230_BK6_LBMP 345036	28.65 0.06 0.00	26.59 0.11 0.00	25.62 0.10 0.00	25.31 0.13 0.00	26.58 0.13 0.00	30.66 0.18 0.00	43.83 0.39 0.00	47.81 0.43 0.00	38.91 0.23 0.00	30.02 0.18 0.00	28.03 0.17 0.00	26.29 0.18 0.00	25.87 0.13 0.00	26.98 0.03 0.00	27.36 0.05 0.00	28.25 -0.06 0.00	33.81 -0.03 0.00	45.09 0.05 0.00	56.46 0.11 0.00	55.86 0.11 0.00	44.43 0.09 0.00	38.56 0.00 0.00	32.47 -0.03 0.00	30.66 0.03 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	29.37 0.77 0.00	27.17 0.69 0.00	26.13 0.61 0.00	25.74 0.55 0.00	26.97 0.53 0.00	31.05 0.58 0.00	44.22 0.78 0.00	48.10 0.71 0.00	39.56 0.89 0.00	30.64 0.81 0.00	28.72 0.86 0.00	26.92 0.81 0.00	26.59 0.85 0.00	27.95 1.00 0.00	28.40 1.09 0.00	29.53 1.22 0.00	35.17 1.32 0.00	46.66 1.62 0.00	58.03 1.69 0.00	57.19 1.45 0.00	45.71 1.37 0.00	39.91 1.35 0.00	33.61 1.11 0.00	31.55 0.92 0.00
SWANROAD_115KV_TB1 355699	27.39 -1.37 -0.17	25.50 -1.14 -0.16	24.51 -1.12 -0.12	24.26 -1.01 -0.09	25.39 -1.24 -0.19	29.82 -1.16 -0.51	41.60 -3.21 -1.38	45.95 -3.22 -1.78	37.42 -2.28 -1.03	29.26 -1.01 -0.44	27.08 -1.06 -0.28	25.63 -0.63 -0.15	25.32 -0.54 -0.12	26.74 -0.43 -0.21	27.05 -0.52 -0.26	27.32 -1.25 -0.25	32.35 -1.79 -0.30	42.25 -3.47 -0.68	54.14 -4.34 -2.14	53.98 -3.96 -2.20	42.27 -3.55 -1.48	36.20 -3.05 -0.69	31.47 -1.59 -0.56	30.10 -0.92 -0.39
SYNERGY___BIOGAS 323694	28.31 -0.46 -0.17	26.27 -0.37 -0.16	25.30 -0.33 -0.12	24.99 -0.28 -0.09	26.21 -0.42 -0.19	30.86 -0.12 -0.51	43.60 -1.22 -1.38	48.31 -0.85 -1.78	39.16 -0.54 -1.03	30.28 0.00 -0.44	27.97 -0.17 -0.28	26.46 0.21 -0.15	26.11 0.26 -0.12	27.57 0.40 -0.21	27.86 0.30 -0.26	28.25 -0.31 -0.25	33.67 -0.47 -0.30	44.19 -1.53 -0.68	56.90 -1.58 -2.13	56.88 -1.06 -2.19	44.30 -1.51 -1.47	37.90 -1.35 -0.69	32.70 -0.36 -0.56	31.05 0.03 -0.39
SYRACUSE___ENERGY_ST1 323597	28.82 -0.14 -0.37	26.72 -0.11 -0.35	25.67 -0.10 -0.26	25.25 -0.13 -0.19	26.75 -0.11 -0.42	31.52 -0.06 -1.11	46.37 -0.09 -3.02	51.28 0.00 -3.90	40.93 0.00 -2.26	30.80 0.00 -0.96	28.38 -0.08 -0.60	26.35 -0.08 -0.32	25.95 -0.05 -0.26	27.39 -0.03 -0.46	27.81 -0.05 -0.56	28.81 -0.06 -0.55	34.40 -0.10 -0.66	46.35 -0.18 -1.49	61.02 0.00 -4.67	60.72 0.17 -4.81	47.57 0.00 -3.23	39.96 -0.12 -1.51	33.69 -0.03 -1.22	31.42 -0.06 -0.85
SYRACUSE___ENERGY_ST2 323598	28.82 -0.14 -0.37	26.72 -0.11 -0.35	25.67 -0.10 -0.26	25.25 -0.13 -0.19	26.75 -0.11 -0.42	31.52 -0.06 -1.11	46.37 -0.09 -3.02	51.28 0.00 -3.90	40.93 0.00 -2.26	30.80 0.00 -0.96	28.38 -0.08 -0.60	26.35 -0.08 -0.32	25.95 -0.05 -0.26	27.39 -0.03 -0.46	27.81 -0.05 -0.56	28.81 -0.06 -0.55	34.40 -0.10 -0.66	46.35 -0.18 -1.49	61.02 0.00 -4.67	60.72 0.17 -4.81	47.57 0.00 -3.23	39.96 -0.12 -1.51	33.69 -0.03 -1.22	31.42 -0.06 -0.85
SYRACUSE___POWER 24017	28.74 -0.14 -0.28	26.64 -0.11 -0.27	25.61 -0.10 -0.20	25.20 -0.13 -0.15	26.66 -0.11 -0.32	31.26 -0.06 -0.85	45.62 -0.13 -2.31	50.32 -0.05 -2.98	40.40 0.00 -1.73	30.57 0.00 -0.73	28.24 -0.08 -0.46	26.30 -0.05 -0.25	25.89 -0.05 -0.20	27.28 -0.03 -0.35	27.68 -0.05 -0.43	28.68 -0.06 -0.42	34.25 -0.10 -0.50	45.95 -0.23 -1.14	59.86 -0.06 -3.57	59.53 0.11 -3.68	46.76 -0.04 -2.47	39.60 -0.12 -1.16	33.40 -0.03 -0.93	31.22 -0.06 -0.65
TALLMAN_138KV_BK151 55660	29.48 0.89 0.00	27.28 0.79 0.00	26.21 0.69 0.00	25.84 0.65 0.00	27.05 0.61 0.00	31.11 0.64 0.00	44.35 0.91 0.00	48.19 0.81 0.00	39.76 1.08 0.00	30.79 0.95 0.00	28.92 1.06 0.00	27.10 0.99 0.00	26.77 1.03 0.00	28.17 1.21 0.00	28.62 1.31 0.00	29.75 1.44 0.00	35.37 1.52 0.00	46.89 1.85 0.00	58.26 1.92 0.00	57.42 1.67 0.00	45.89 1.55 0.00	40.10 1.54 0.00	33.77 1.27 0.00	31.67 1.04 0.00
TEALLAVE_115KV_TB7 355573	28.59 -0.26 -0.26	26.51 -0.21 -0.24	25.49 -0.20 -0.18	25.09 -0.23 -0.13	26.49 -0.24 -0.29	31.02 -0.21 -0.76	45.13 -0.39 -2.08	49.74 -0.33 -2.69	40.04 -0.19 -1.56	30.38 -0.12 -0.66	28.08 -0.20 -0.42	26.17 -0.16 -0.22	25.79 -0.13 -0.18	27.17 -0.11 -0.32	27.56 -0.14 -0.39	28.55 -0.14 -0.38	34.06 -0.24 -0.45	45.62 -0.45 -1.03	59.17 -0.39 -3.22	58.78 -0.28 -3.31	46.25 -0.31 -2.23	39.26 -0.35 -1.04	33.15 -0.20 -0.84	31.03 -0.18 -0.58
TELGRAPH_34_KV_EAST 80808	27.91 -0.86 -0.17	25.95 -0.69 -0.16	24.97 -0.66 -0.12	24.69 -0.58 -0.09	25.87 -0.77 -0.19	30.43 -0.55 -0.51	42.73 -2.08 -1.38	47.27 -1.90 -1.78	38.43 -1.28 -1.03	29.89 -0.39 -0.44	27.63 -0.50 -0.28	26.12 -0.13 -0.15	25.81 -0.05 -0.12	27.25 0.08 -0.21	27.56 0.00 -0.26	27.88 -0.68 -0.25	33.17 -0.98 -0.30	43.38 -2.34 -0.68	55.72 -2.76 -2.13	55.65 -2.29 -2.20	43.42 -2.39 -1.48	37.17 -2.08 -0.69	32.18 -0.88 -0.56	30.65 -0.37 -0.39
TEMPLE___115KV_TB 2 55572	28.59 -0.26 -0.26	26.51 -0.21 -0.24	25.49 -0.20 -0.18	25.09 -0.23 -0.13	26.52 -0.21 -0.29	31.02 -0.21 -0.77	45.18 -0.35 -2.09	49.80 -0.28 -2.69	40.04 -0.19 -1.56	30.41 -0.09 -0.66	28.11 -0.17 -0.42	26.20 -0.13 -0.22	25.82 -0.10 -0.18	27.19 -0.08 -0.32	27.56 -0.14 -0.39	28.55 -0.14 -0.38	34.06 -0.24 -0.46	45.62 -0.45 -1.03	59.24 -0.34 -3.23	58.84 -0.22 -3.32	46.26 -0.31 -2.23	39.26 -0.35 -1.05	33.15 -0.20 -0.84	31.06 -0.15 -0.58
TIANA___69_KV_BK 1 55817	28.67 0.09 0.01	26.50 0.03 0.01	25.43 -0.08 0.01	25.05 -0.13 0.01	26.22 -0.21 0.01	27.72 -0.27 2.48	34.92 -0.39 8.13	45.82 -0.33 1.24	31.64 0.08 7.11	29.95 0.12 0.01	28.30 0.45 0.00	26.32 0.34 0.12	25.97 0.36 0.13	27.71 0.75 0.00	28.51 1.20 0.00	29.84 1.53 0.00	35.74 1.90 0.00	46.70 1.67 0.01	57.80 1.46 0.01	57.07 1.34 0.01	45.62 1.29 0.01	41.18 2.62 0.00	33.87 1.37 0.00	31.67 1.04 0.00



TILDEN___115KV_TB1 80814	28.74 -0.14 -0.28	26.64 -0.11 -0.27	25.61 -0.10 -0.20	25.20 -0.13 -0.15	26.66 -0.11 -0.32	31.26 -0.06 -0.85	45.62 -0.13 -2.31	50.32 -0.05 -2.98	40.40 0.00 -1.73	30.57 0.00 -0.73	28.24 -0.08 -0.46	26.30 -0.05 -0.25	25.89 -0.05 -0.20	27.28 -0.03 -0.35	27.68 -0.05 -0.43	28.68 -0.06 -0.42	34.25 -0.10 -0.50	45.95 -0.23 -1.14	59.86 -0.06 -3.57	59.53 0.11 -3.68	46.76 -0.04 -2.47	39.60 -0.12 -1.16	33.40 -0.03 -0.93	31.22 -0.06 -0.65
TRIGEN___CC 323695	29.13 0.54 0.01	26.93 0.45 0.01	25.89 0.38 0.01	25.50 0.33 0.01	26.70 0.26 0.01	30.68 0.21 0.01	43.69 0.26 0.01	47.56 0.62 0.45	39.32 0.66 0.01	30.46 0.63 0.01	28.75 0.89 0.00	26.92 0.81 0.00	26.56 0.82 0.01	28.06 1.11 0.00	28.70 1.39 0.00	29.92 1.61 0.00	35.67 1.83 0.00	46.57 1.53 0.01	57.80 1.46 0.01	56.96 1.23 0.01	45.53 1.20 0.01	40.68 2.12 0.00	33.81 1.30 0.00	31.64 1.01 0.00
TRINITY__115KV__4 BK 55933	28.91 0.31 0.00	26.67 0.19 0.00	25.75 0.23 0.00	25.51 0.33 0.00	26.81 0.37 0.00	30.59 0.12 0.00	43.44 0.00 0.00	47.39 0.00 0.00	38.71 0.04 0.00	29.81 -0.03 0.00	27.91 0.06 0.00	26.06 -0.05 0.00	25.71 -0.03 0.00	26.96 0.00 0.00	27.34 0.03 0.00	28.51 0.20 0.00	34.08 0.24 0.00	45.40 0.36 0.00	56.57 0.23 0.00	55.80 0.06 0.00	44.60 0.27 0.00	38.98 0.42 0.00	32.83 0.33 0.00	30.94 0.31 0.00
UNION___PROCESSING_DRP 323587	28.28 -0.49 -0.17	26.22 -0.42 -0.16	25.23 -0.41 -0.12	24.89 -0.38 -0.09	26.16 -0.48 -0.19	30.73 -0.24 -0.50	43.81 -1.00 -1.37	48.45 -0.71 -1.77	39.23 -0.46 -1.03	30.18 -0.09 -0.44	27.94 -0.20 -0.27	26.33 0.08 -0.15	25.99 0.13 -0.12	27.38 0.22 -0.21	27.67 0.11 -0.25	28.28 -0.28 -0.25	33.77 -0.37 -0.30	44.50 -1.22 -0.68	57.23 -1.24 -2.12	57.09 -0.84 -2.18	44.65 -1.15 -1.47	38.21 -1.04 -0.69	32.70 -0.36 -0.55	30.86 -0.15 -0.38
UPPER HUDSON___HYD 24058	30.11 1.51 0.00	27.81 1.32 0.00	26.82 1.30 0.00	26.44 1.26 0.00	27.82 1.37 0.00	32.06 1.58 0.00	45.91 2.47 0.00	49.85 2.46 0.00	40.30 1.62 0.00	30.67 0.83 0.00	28.50 0.64 0.00	26.58 0.47 0.00	26.20 0.46 0.00	27.47 0.51 0.00	27.77 0.46 0.00	29.10 0.79 0.00	35.00 1.15 0.00	47.16 2.12 0.00	59.33 2.98 0.00	58.58 2.84 0.00	46.73 2.39 0.00	40.60 2.04 0.00	34.16 1.66 0.00	32.16 1.53 0.00
UPPER RAQUET___HYD 24056	29.14 0.49 -0.06	27.10 0.56 -0.06	26.09 0.54 -0.04	25.77 0.55 -0.03	27.09 0.58 -0.07	31.44 0.79 -0.18	45.41 1.48 -0.49	49.68 1.66 -0.63	39.97 0.93 -0.37	30.59 0.60 -0.16	28.48 0.53 -0.10	26.68 0.52 -0.05	26.22 0.44 -0.04	27.27 0.24 -0.08	27.64 0.25 -0.09	28.46 0.06 -0.09	34.16 0.20 -0.11	45.64 0.36 -0.24	57.72 0.62 -0.76	57.20 0.67 -0.78	45.40 0.53 -0.53	39.34 0.54 -0.25	33.16 0.45 -0.20	31.17 0.40 -0.14
VALLEY44_115KV_TB2 355964	27.63 -1.14 -0.17	25.80 -0.85 -0.16	24.77 -0.87 -0.12	24.47 -0.81 -0.09	25.66 -0.98 -0.20	30.23 -0.76 -0.52	42.86 -2.00 -1.42	47.08 -2.13 -1.83	38.11 -1.62 -1.06	29.75 -0.54 -0.45	27.53 -0.61 -0.28	26.02 -0.23 -0.15	25.73 -0.13 -0.12	27.23 0.05 -0.22	27.54 -0.03 -0.26	27.89 -0.68 -0.26	33.07 -1.08 -0.31	43.49 -2.25 -0.70	55.89 -2.65 -2.19	55.60 -2.40 -2.25	43.50 -2.35 -1.52	36.96 -2.31 -0.71	31.87 -1.20 -0.57	30.23 -0.80 -0.40
VALLEY___115KV_TB 1-4 80826	28.39 -0.20 0.00	26.35 -0.13 0.00	25.39 -0.13 0.00	25.06 -0.13 0.00	26.31 -0.13 0.00	30.38 -0.09 0.00	43.39 -0.04 0.00	47.29 -0.09 0.00	38.48 -0.19 0.00	29.66 -0.18 0.00	27.75 -0.11 0.00	26.00 -0.10 0.00	25.69 -0.05 0.00	26.90 -0.05 0.00	27.20 -0.11 0.00	28.34 0.03 0.00	33.91 0.07 0.00	45.09 0.05 0.00	56.51 0.17 0.00	55.97 0.22 0.00	44.34 0.00 0.00	38.67 0.12 0.00	32.54 0.03 0.00	30.60 -0.03 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	29.67 0.97 -0.10	27.53 0.95 -0.09	26.43 0.84 -0.07	26.06 0.83 -0.05	27.38 0.82 -0.11	31.84 1.07 -0.30	45.82 1.56 -0.82	50.15 1.71 -1.06	40.52 1.24 -0.61	30.96 0.87 -0.26	28.77 0.75 -0.16	26.87 0.68 -0.09	26.50 0.69 -0.07	27.84 0.75 -0.13	28.17 0.71 -0.15	29.34 0.88 -0.15	35.11 1.08 -0.18	46.98 1.53 -0.40	59.75 2.14 -1.27	59.33 2.29 -1.30	46.99 1.77 -0.88	40.55 1.58 -0.41	34.10 1.27 -0.33	31.93 1.07 -0.23
VISCHER___FERRY HYD 24020	29.45 0.86 0.00	27.14 0.66 0.00	26.15 0.64 0.00	25.81 0.63 0.00	27.18 0.74 0.00	31.20 0.73 0.00	44.52 1.09 0.00	48.43 1.04 0.00	39.49 0.81 0.00	30.31 0.48 0.00	28.36 0.50 0.00	26.47 0.37 0.00	26.10 0.36 0.00	27.36 0.40 0.00	27.74 0.44 0.00	28.93 0.62 0.00	34.66 0.81 0.00	46.35 1.31 0.00	57.87 1.52 0.00	57.08 1.34 0.00	45.62 1.29 0.00	39.68 1.12 0.00	33.41 0.91 0.00	31.55 0.92 0.00
V_A_10_SYNC_DSASP 323832	27.82 -0.94 -0.17	25.87 -0.77 -0.15	24.89 -0.74 -0.11	24.59 -0.68 -0.09	25.76 -0.87 -0.18	30.26 -0.70 -0.49	42.35 -2.43 -1.34	46.75 -2.37 -1.73	38.05 -1.62 -1.00	29.67 -0.60 -0.43	27.49 -0.64 -0.27	25.96 -0.29 -0.14	25.65 -0.21 -0.12	27.08 -0.08 -0.21	27.39 -0.16 -0.25	27.73 -0.82 -0.25	32.92 -1.22 -0.29	43.04 -2.66 -0.66	55.09 -3.32 -2.07	54.98 -2.90 -2.13	43.11 -2.66 -1.43	36.92 -2.31 -0.67	31.97 -1.07 -0.54	30.49 -0.52 -0.38
V_CMM_10_SYNC_DSASP 323787	28.74 0.14 0.00	26.67 0.19 0.00	25.72 0.20 0.00	25.41 0.23 0.00	26.68 0.24 0.00	30.78 0.30 0.00	44.04 0.61 0.00	48.05 0.66 0.00	39.06 0.39 0.00	30.11 0.27 0.00	28.11 0.25 0.00	26.40 0.29 0.00	25.97 0.23 0.00	27.04 0.08 0.00	27.42 0.11 0.00	28.17 -0.14 0.00	33.71 -0.14 0.00	45.00 -0.05 0.00	56.34 0.00 0.00	55.74 0.00 0.00	44.34 0.00 0.00	38.52 -0.04 0.00	32.41 -0.10 0.00	30.75 0.12 0.00
V_CMP_10_SYNC_DSASP 323788	29.54 0.94 0.00	27.51 1.03 0.00	26.59 1.07 0.00	26.34 1.16 0.00	27.71 1.27 0.00	32.09 1.61 0.00	46.13 2.69 0.00	50.38 2.99 0.00	40.80 2.13 0.00	31.45 1.61 0.00	29.39 1.53 0.00	27.65 1.54 0.00	27.15 1.41 0.00	28.17 1.21 0.00	28.59 1.28 0.00	29.55 1.24 0.00	35.47 1.62 0.00	47.47 2.43 0.00	59.61 3.27 0.00	58.86 3.12 0.00	46.73 2.39 0.00	40.41 1.85 0.00	33.90 1.40 0.00	31.73 1.10 0.00
V_D_10_SYNC_DSASP 323841	28.88 0.29 0.00	26.83 0.34 0.00	25.85 0.33 0.00	25.53 0.35 0.00	26.81 0.37 0.00	30.96 0.49 0.00	44.35 0.91 0.00	48.38 1.00 0.00	39.25 0.58 0.00	30.22 0.39 0.00	28.22 0.36 0.00	26.50 0.39 0.00	26.07 0.33 0.00	27.15 0.19 0.00	27.50 0.19 0.00	28.37 0.06 0.00	34.02 0.17 0.00	45.40 0.36 0.00	56.91 0.56 0.00	56.30 0.56 0.00	44.78 0.44 0.00	38.90 0.35 0.00	32.73 0.23 0.00	30.91 0.28 0.00
V_E_10_SYNC_DSASP 323830	30.33 1.54 -0.19	28.23 1.56 -0.18	27.16 1.51 -0.13	26.72 1.43 -0.10	28.11 1.45 -0.22	33.12 2.07 -0.58	48.27 3.26 -1.57	53.11 3.70 -2.02	42.13 2.28 -1.17	31.77 1.43 -0.50	29.15 0.97 -0.31	27.16 0.89 -0.17	26.77 0.90 -0.13	28.17 0.97 -0.24	28.39 0.79 -0.29	29.64 1.05 -0.29	35.64 1.45 -0.34	48.20 2.39 -0.77	62.77 4.00 -2.43	62.86 4.62 -2.50	49.21 3.19 -1.68	41.97 2.62 -0.79	35.15 2.02 -0.63	32.63 1.56 -0.44



V_F_30_NSYNC___DSASP 323816	29.80 1.20 0.00	27.51 1.03 0.00	26.51 0.99 0.00	26.16 0.98 0.00	27.53 1.08 0.00	31.66 1.19 0.00	45.26 1.82 0.00	49.23 1.85 0.00	39.91 1.24 0.00	30.49 0.66 0.00	28.42 0.56 0.00	26.52 0.42 0.00	26.13 0.39 0.00	27.41 0.46 0.00	27.74 0.44 0.00	29.02 0.71 0.00	34.83 0.98 0.00	46.75 1.71 0.00	58.66 2.31 0.00	57.92 2.17 0.00	46.24 1.91 0.00	40.22 1.66 0.00	33.84 1.33 0.00	31.89 1.26 0.00
V_F_30_SYNC_DSASP 323786	28.97 0.37 0.00	26.75 0.26 0.00	25.80 0.28 0.00	25.58 0.40 0.00	26.89 0.45 0.00	30.69 0.21 0.00	43.61 0.17 0.00	47.53 0.14 0.00	38.83 0.15 0.00	29.87 0.03 0.00	27.94 0.08 0.00	26.11 0.00 0.00	25.76 0.03 0.00	26.98 0.03 0.00	27.34 0.03 0.00	28.53 0.23 0.00	34.15 0.30 0.00	45.49 0.45 0.00	56.74 0.39 0.00	55.97 0.22 0.00	44.74 0.40 0.00	39.10 0.54 0.00	32.90 0.39 0.00	31.00 0.37 0.00
V_XM_10_SYNC_DSASP 323789	29.54 0.94 0.00	27.51 1.03 0.00	26.59 1.07 0.00	26.34 1.16 0.00	27.71 1.27 0.00	32.09 1.61 0.00	46.13 2.69 0.00	50.38 2.99 0.00	40.80 2.13 0.00	31.45 1.61 0.00	29.39 1.53 0.00	27.65 1.54 0.00	27.15 1.41 0.00	28.17 1.21 0.00	28.59 1.28 0.00	29.55 1.24 0.00	35.47 1.62 0.00	47.47 2.43 0.00	59.61 3.27 0.00	58.86 3.12 0.00	46.73 2.39 0.00	40.41 1.85 0.00	33.90 1.40 0.00	31.73 1.10 0.00
W.BABYLN_69_KV_BK1 56697	29.36 0.77 0.01	27.08 0.61 0.01	26.02 0.51 0.01	25.63 0.45 0.01	26.83 0.40 0.01	30.73 0.46 0.20	43.79 0.52 0.17	46.85 0.57 1.11	39.45 0.93 0.15	30.67 0.84 0.01	28.97 1.11 0.00	27.09 0.99 0.01	26.73 1.00 0.02	28.30 1.35 0.00	29.00 1.69 0.00	30.26 1.95 0.00	36.22 2.37 0.00	47.10 2.07 0.01	58.48 2.14 0.01	57.74 2.01 0.01	46.06 1.73 0.01	41.49 2.93 0.00	34.26 1.76 0.00	32.07 1.44 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	29.60 1.00 0.00	27.38 0.90 0.00	26.31 0.79 0.00	25.91 0.73 0.00	27.13 0.69 0.00	31.36 0.88 0.00	44.70 1.26 0.00	48.62 1.23 0.00	40.03 1.35 0.00	30.97 1.13 0.00	29.06 1.20 0.00	27.23 1.12 0.00	26.90 1.16 0.00	28.33 1.37 0.00	28.78 1.47 0.00	29.92 1.61 0.00	35.50 1.66 0.00	47.11 2.07 0.00	58.54 2.20 0.00	57.69 1.95 0.00	46.11 1.77 0.00	40.26 1.70 0.00	33.90 1.40 0.00	31.83 1.19 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	29.62 1.03 0.00	27.44 0.95 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.16 0.71 0.00	31.20 0.73 0.00	44.44 1.00 0.00	48.38 1.00 0.00	40.10 1.43 0.00	31.09 1.25 0.00	29.22 1.37 0.00	27.39 1.28 0.00	27.08 1.34 0.00	28.49 1.54 0.00	28.95 1.64 0.00	30.09 1.78 0.00	35.74 1.90 0.00	47.25 2.21 0.00	58.60 2.25 0.00	57.75 2.01 0.00	46.11 1.77 0.00	40.37 1.81 0.00	34.00 1.50 0.00	31.86 1.23 0.00
W50THST__13_KV_LOAD 356117	29.74 1.14 0.00	27.54 1.06 0.00	26.51 1.00 0.00	26.06 0.88 0.00	27.26 0.82 0.00	31.33 0.85 0.00	44.65 1.22 0.00	48.62 1.23 0.00	40.30 1.62 0.00	31.27 1.43 0.00	29.36 1.50 0.00	27.54 1.44 0.00	27.21 1.47 0.00	28.65 1.70 0.00	29.11 1.80 0.00	30.23 1.92 0.00	35.94 2.10 0.00	47.47 2.43 0.00	58.94 2.59 0.00	58.03 2.29 0.00	46.33 2.00 0.00	40.52 1.97 0.00	34.13 1.63 0.00	31.98 1.35 0.00
WADING RIVER_IC_1 23522	28.53 -0.06 0.01	26.37 -0.11 0.01	25.25 -0.26 0.01	24.90 -0.28 0.01	26.12 -0.32 0.01	27.56 -0.43 2.49	35.96 -0.70 6.78	45.63 -0.52 1.24	32.67 -0.08 5.92	29.83 0.00 0.01	28.14 0.28 0.00	26.19 0.21 0.12	25.84 0.23 0.13	27.55 0.59 0.00	28.26 0.96 0.00	29.61 1.30 0.00	35.44 1.59 0.00	45.98 0.95 0.01	57.12 0.79 0.01	56.41 0.67 0.01	45.13 0.80 0.01	40.72 2.16 0.00	33.48 0.97 0.00	31.34 0.71 0.00
WADING RIVER_IC_2 23547	28.53 -0.06 0.01	26.37 -0.11 0.01	25.25 -0.26 0.01	24.90 -0.28 0.01	26.12 -0.32 0.01	27.56 -0.43 2.49	35.96 -0.70 6.78	45.63 -0.52 1.24	32.67 -0.08 5.92	29.83 0.00 0.01	28.14 0.28 0.00	26.19 0.21 0.12	25.84 0.23 0.13	27.55 0.59 0.00	28.26 0.96 0.00	29.61 1.30 0.00	35.44 1.59 0.00	45.98 0.95 0.01	57.12 0.79 0.01	56.41 0.67 0.01	45.13 0.80 0.01	40.72 2.16 0.00	33.48 0.97 0.00	31.34 0.71 0.00
WADING RIVER_IC_3 23601	28.53 -0.06 0.01	26.37 -0.11 0.01	25.25 -0.26 0.01	24.90 -0.28 0.01	26.12 -0.32 0.01	27.56 -0.43 2.49	35.96 -0.70 6.78	45.63 -0.52 1.24	32.67 -0.08 5.92	29.83 0.00 0.01	28.14 0.28 0.00	26.19 0.21 0.12	25.84 0.23 0.13	27.55 0.59 0.00	28.26 0.96 0.00	29.61 1.30 0.00	35.44 1.59 0.00	45.98 0.95 0.01	57.12 0.79 0.01	56.41 0.67 0.01	45.13 0.80 0.01	40.72 2.16 0.00	33.48 0.97 0.00	31.34 0.71 0.00
WALDENNY_12_KV_BK2 80841	27.88 -0.89 -0.17	25.98 -0.66 -0.16	25.00 -0.64 -0.12	24.74 -0.53 -0.09	25.92 -0.71 -0.19	30.50 -0.49 -0.51	42.79 -2.04 -1.40	47.20 -1.99 -1.80	38.36 -1.35 -1.04	30.01 -0.27 -0.44	27.75 -0.39 -0.28	26.23 -0.03 -0.15	25.94 0.08 -0.12	27.41 0.24 -0.21	27.73 0.16 -0.26	28.03 -0.54 -0.26	33.24 -0.91 -0.30	43.61 -2.12 -0.69	55.91 -2.59 -2.16	55.68 -2.29 -2.22	43.48 -2.35 -1.49	37.18 -2.08 -0.70	32.16 -0.91 -0.56	30.62 -0.40 -0.39
WALDEN__HYDRO 24148	29.45 0.86 0.00	27.28 0.79 0.00	26.21 0.69 0.00	25.84 0.65 0.00	27.05 0.61 0.00	31.17 0.70 0.00	44.44 1.00 0.00	48.34 0.95 0.00	39.72 1.04 0.00	30.70 0.87 0.00	28.78 0.92 0.00	26.94 0.84 0.00	26.61 0.88 0.00	28.01 1.05 0.00	28.45 1.15 0.00	29.58 1.27 0.00	35.23 1.39 0.00	46.84 1.80 0.00	58.26 1.92 0.00	57.47 1.73 0.00	45.93 1.60 0.00	40.06 1.50 0.00	33.74 1.24 0.00	31.67 1.04 0.00
WARRENSBURG____ 23737	30.11 1.52 0.00	27.81 1.32 0.00	26.84 1.33 0.00	26.44 1.26 0.00	27.82 1.38 0.00	32.06 1.58 0.00	45.91 2.48 0.00	49.85 2.46 0.00	40.30 1.62 0.00	30.67 0.84 0.00	28.50 0.64 0.00	26.58 0.47 0.00	26.20 0.46 0.00	27.47 0.51 0.00	27.77 0.46 0.00	29.10 0.79 0.00	35.00 1.15 0.00	47.20 2.16 0.00	59.33 2.99 0.00	58.59 2.84 0.00	46.73 2.39 0.00	40.64 2.08 0.00	34.20 1.69 0.00	32.16 1.53 0.00
WATERSIDE____6 8 9 23538	29.71 1.12 0.00	27.46 0.98 0.00	26.38 0.87 0.00	25.99 0.81 0.00	27.21 0.77 0.00	31.14 0.67 0.00	44.17 0.74 0.01	48.09 0.71 0.01	39.83 1.16 0.00	31.03 1.19 0.00	29.14 1.28 0.00	27.34 1.23 0.00	27.03 1.29 0.00	28.44 1.48 0.00	28.92 1.61 0.00	30.04 1.73 0.00	35.61 1.76 0.00	46.93 1.89 0.01	58.25 1.92 0.01	57.41 1.67 0.01	45.84 1.51 0.01	40.14 1.58 0.00	33.97 1.46 0.00	31.86 1.23 0.00
WATKINRD_115KV_LN8_ILLION 55919	28.74 0.14 0.00	26.59 0.11 0.00	25.62 0.10 0.00	25.28 0.10 0.00	26.55 0.11 0.00	30.59 0.12 0.00	43.61 0.17 0.00	47.58 0.19 0.00	38.79 0.12 0.00	29.90 0.06 0.00	27.91 0.06 0.00	26.16 0.05 0.00	25.79 0.05 0.00	27.04 0.08 0.00	27.36 0.05 0.00	28.42 0.11 0.00	34.02 0.17 0.00	45.31 0.27 0.00	56.68 0.34 0.00	56.08 0.33 0.00	44.60 0.27 0.00	38.79 0.23 0.00	32.67 0.16 0.00	30.75 0.12 0.00



WDELAWARE___HYD 323627	29.65 1.06 0.00	27.46 0.98 0.00	26.33 0.82 0.00	26.01 0.83 0.00	27.24 0.79 0.00	31.48 1.00 0.00	44.91 1.48 0.00	48.90 1.52 0.00	39.99 1.32 0.00	30.82 0.98 0.00	28.83 0.97 0.00	27.02 0.91 0.00	26.66 0.93 0.00	28.06 1.11 0.00	28.51 1.20 0.00	29.67 1.36 0.00	35.37 1.52 0.00	47.07 2.03 0.00	58.82 2.48 0.00	58.08 2.34 0.00	46.38 2.04 0.00	40.37 1.81 0.00	34.03 1.53 0.00	31.92 1.29 0.00
WEST BABYLON___IC 23714	29.36 0.77 0.01	27.08 0.61 0.01	26.02 0.51 0.01	25.63 0.45 0.01	26.83 0.40 0.01	30.73 0.46 0.20	43.79 0.52 0.17	46.85 0.57 1.11	39.45 0.93 0.15	30.67 0.84 0.01	28.97 1.11 0.00	27.09 0.99 0.01	26.73 1.00 0.02	28.30 1.35 0.00	29.00 1.69 0.00	30.26 1.95 0.00	36.22 2.37 0.00	47.10 2.07 0.01	58.48 2.14 0.01	57.74 2.01 0.01	46.06 1.73 0.01	41.49 2.93 0.00	34.26 1.76 0.00	32.07 1.44 0.00
WEST CANADA___HYD 24049	28.68 0.09 0.00	26.53 0.05 0.00	25.57 0.05 0.00	25.23 0.05 0.00	26.50 0.05 0.00	30.53 0.06 0.00	43.52 0.09 0.00	47.44 0.05 0.00	38.71 0.04 0.00	29.84 0.00 0.00	27.89 0.03 0.00	26.11 0.00 0.00	25.74 0.00 0.00	26.98 0.03 0.00	27.34 0.03 0.00	28.39 0.09 0.00	33.95 0.10 0.00	45.18 0.14 0.00	56.51 0.17 0.00	55.91 0.17 0.00	44.47 0.13 0.00	38.67 0.12 0.00	32.60 0.10 0.00	30.69 0.06 0.00
WESTERN_NY_WIND 24143	28.28 -0.49 -0.17	26.24 -0.40 -0.16	25.28 -0.36 -0.12	24.97 -0.30 -0.09	26.18 -0.45 -0.19	30.83 -0.15 -0.51	43.51 -1.30 -1.38	48.22 -0.95 -1.78	39.09 -0.62 -1.03	30.25 -0.03 -0.44	27.94 -0.20 -0.28	26.44 0.18 -0.15	26.09 0.23 -0.12	27.54 0.38 -0.21	27.84 0.27 -0.26	28.22 -0.34 -0.25	33.64 -0.51 -0.30	44.10 -1.62 -0.68	56.79 -1.69 -2.13	56.77 -1.17 -2.19	44.22 -1.60 -1.47	37.82 -1.43 -0.69	32.64 -0.42 -0.56	31.02 0.00 -0.39
WESTOVER___LESR 323668	28.76 -0.03 -0.19	26.72 0.05 -0.18	25.68 0.03 -0.13	25.28 0.00 -0.10	26.63 -0.03 -0.22	31.14 0.09 -0.58	44.92 -0.09 -1.57	49.32 -0.09 -2.02	39.81 -0.04 -1.17	30.45 0.12 -0.50	28.23 0.06 -0.31	26.41 0.13 -0.17	26.03 0.15 -0.13	27.47 0.27 -0.24	27.82 0.22 -0.29	28.68 0.08 -0.29	34.22 0.03 -0.34	45.63 -0.18 -0.77	58.71 -0.06 -2.43	58.30 0.06 -2.50	45.97 -0.04 -1.68	39.19 -0.15 -0.79	33.20 0.07 -0.63	31.16 0.09 -0.44
WETHRSFD_WT_PWR 323626	27.80 -0.97 -0.18	25.96 -0.69 -0.17	25.26 -0.38 -0.13	24.77 -0.50 -0.09	25.93 -0.71 -0.20	30.49 -0.52 -0.54	43.13 -1.78 -1.47	47.44 -1.85 -1.90	38.34 -1.43 -1.10	29.71 -0.60 -0.47	27.46 -0.70 -0.29	25.87 -0.39 -0.16	25.61 -0.26 -0.13	27.05 -0.13 -0.23	27.36 -0.22 -0.27	27.82 -0.76 -0.27	33.05 -1.12 -0.32	44.05 -1.71 -0.73	56.26 -2.36 -2.28	55.97 -2.12 -2.34	43.78 -2.13 -1.57	37.52 -1.77 -0.74	32.09 -1.01 -0.59	30.34 -0.70 -0.41
WHAVSTOR_138KV_BK127 55557	29.48 0.89 0.00	27.28 0.79 0.00	26.21 0.69 0.00	25.81 0.63 0.00	27.02 0.58 0.00	31.08 0.61 0.00	44.26 0.83 0.00	48.15 0.76 0.00	39.72 1.04 0.00	30.79 0.95 0.00	28.89 1.03 0.00	27.10 0.99 0.00	26.74 1.00 0.00	28.14 1.19 0.00	28.59 1.28 0.00	29.72 1.42 0.00	35.37 1.52 0.00	46.84 1.80 0.00	58.20 1.86 0.00	57.36 1.62 0.00	45.84 1.51 0.00	40.06 1.50 0.00	33.74 1.24 0.00	31.67 1.04 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	29.48 0.89 0.00	27.28 0.79 0.00	26.21 0.69 0.00	25.81 0.63 0.00	27.02 0.58 0.00	31.08 0.61 0.00	44.26 0.83 0.00	48.15 0.76 0.00	39.72 1.04 0.00	30.79 0.95 0.00	28.89 1.03 0.00	27.10 0.99 0.00	26.74 1.00 0.00	28.14 1.19 0.00	28.59 1.28 0.00	29.72 1.42 0.00	35.37 1.52 0.00	46.84 1.80 0.00	58.20 1.86 0.00	57.36 1.62 0.00	45.84 1.51 0.00	40.06 1.50 0.00	33.74 1.24 0.00	31.67 1.04 0.00
WHITEHAL_115KV_TB1 80871	30.48 1.89 0.00	28.15 1.67 0.00	27.20 1.68 0.00	26.77 1.59 0.00	28.21 1.77 0.00	32.51 2.04 0.00	46.69 3.26 0.00	50.66 3.27 0.00	40.72 2.05 0.00	30.88 1.04 0.00	28.67 0.81 0.00	26.71 0.60 0.00	26.31 0.57 0.00	27.58 0.62 0.00	27.85 0.55 0.00	29.27 0.96 0.00	35.27 1.42 0.00	47.79 2.75 0.00	60.23 3.89 0.00	59.53 3.79 0.00	47.44 3.10 0.00	41.22 2.66 0.00	34.62 2.11 0.00	32.56 1.93 0.00
WHITEPLN_13_KV_LOAD 356215	29.88 1.29 0.00	27.65 1.17 0.00	26.61 1.10 0.00	26.21 1.03 0.00	27.40 0.95 0.00	31.51 1.04 0.00	45.00 1.56 0.00	48.95 1.56 0.00	40.53 1.86 0.00	31.39 1.55 0.00	29.42 1.56 0.00	27.57 1.46 0.00	27.26 1.52 0.00	28.63 1.67 0.00	29.11 1.80 0.00	30.21 1.90 0.00	35.91 2.06 0.00	47.74 2.70 0.00	59.16 2.82 0.00	58.36 2.62 0.00	46.69 2.35 0.00	40.76 2.20 0.00	34.29 1.79 0.00	32.13 1.50 0.00
WM_FLOYD_69_KV_BK2 356380	28.73 0.14 0.01	26.58 0.11 0.01	25.51 0.00 0.01	25.12 -0.05 0.01	26.30 -0.13 0.01	27.80 -0.21 2.45	31.67 -0.22 11.55	46.01 -0.14 1.24	28.81 0.23 10.09	30.04 0.21 0.01	28.39 0.53 0.00	26.38 0.39 0.12	26.02 0.41 0.13	27.74 0.78 0.00	28.51 1.20 0.00	29.81 1.50 0.00	35.67 1.83 0.00	46.52 1.49 0.01	57.58 1.24 0.01	56.85 1.11 0.01	45.48 1.15 0.01	41.03 2.47 0.00	33.77 1.27 0.00	31.58 0.95 0.00
WOODARD__115KV_TB2 355635	28.61 -0.29 -0.30	26.53 -0.24 -0.29	25.47 -0.26 -0.21	25.09 -0.25 -0.16	26.52 -0.26 -0.34	31.14 -0.24 -0.91	45.52 -0.39 -2.47	50.20 -0.38 -3.19	40.25 -0.27 -1.85	30.44 -0.18 -0.78	28.13 -0.22 -0.49	26.16 -0.21 -0.26	25.77 -0.18 -0.21	27.17 -0.16 -0.38	27.58 -0.19 -0.46	28.56 -0.20 -0.45	34.11 -0.27 -0.54	45.76 -0.50 -1.22	59.72 -0.45 -3.82	59.40 -0.28 -3.93	46.63 -0.35 -2.64	39.45 -0.35 -1.24	33.27 -0.23 -1.00	31.11 -0.21 -0.69
WOODMERE_69_KV_BK1 55827	29.47 0.89 0.01	27.22 0.74 0.01	26.15 0.64 0.01	25.78 0.60 0.01	26.97 0.53 0.01	31.01 0.55 0.01	44.17 0.74 0.01	48.22 1.18 0.35	39.79 1.12 0.01	30.82 0.98 0.01	29.11 1.25 0.00	27.23 1.12 0.00	26.87 1.13 0.01	28.44 1.48 0.00	29.08 1.78 0.00	30.32 2.01 0.00	36.18 2.34 0.00	47.24 2.21 0.01	58.70 2.37 0.01	57.91 2.17 0.01	46.24 1.91 0.01	41.30 2.74 0.00	34.29 1.79 0.00	32.07 1.44 0.00
YORK___WARBASSE 23770	29.82 1.23 0.00	27.57 1.09 0.00	26.46 0.94 0.00	26.06 0.88 0.00	27.29 0.85 0.00	31.14 0.67 0.00	44.08 0.65 0.01	47.95 0.57 0.01	39.64 0.97 0.00	30.85 1.01 0.00	28.97 1.11 0.00	27.20 1.10 0.00	26.87 1.13 0.00	28.28 1.32 0.00	28.76 1.45 0.00	29.89 1.59 0.00	35.47 1.62 0.00	46.79 1.76 0.01	58.08 1.75 0.01	57.24 1.51 0.01	45.75 1.42 0.01	40.10 1.54 0.00	33.97 1.46 0.00	31.92 1.29 0.00