

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

06/29/2025

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	40.61	36.89	32.82	31.26	31.20	30.65	30.61	31.23	31.27	33.62	34.57	38.64	41.51	45.04	47.74	52.20	58.31	62.40	77.89	73.66	67.30	60.69	52.81	47.32
24138	3.66	3.14	2.85	2.74	2.68	2.63	2.71	2.92	3.05	3.28	3.26	3.70	4.08	4.59	4.73	4.96	5.01	5.20	6.82	6.14	5.33	3.70	3.50	3.46
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.16	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	40.76	36.99	32.94	31.35	31.28	30.71	30.67	31.26	31.30	33.68	34.63	38.71	41.62	45.16	47.87	52.30	58.41	62.52	78.10	73.87	67.49	60.86	52.96	47.46
24260	3.81	3.24	2.97	2.82	2.77	2.69	2.76	2.94	3.08	3.34	3.32	3.77	4.19	4.71	4.86	5.05	5.12	5.32	7.04	6.35	5.52	3.87	3.65	3.60
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	40.76	36.99	32.94	31.35	31.28	30.71	30.67	31.26	31.30	33.68	34.63	38.71	41.62	45.16	47.87	52.30	58.41	62.52	78.10	73.87	67.49	60.86	52.96	47.46
24261	3.81	3.24	2.97	2.82	2.77	2.69	2.76	2.94	3.08	3.34	3.32	3.77	4.19	4.71	4.86	5.05	5.12	5.32	7.04	6.35	5.52	3.87	3.65	3.60
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.16	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	39.39	35.81	31.68	30.12	30.14	29.64	29.41	29.64	29.44	31.53	32.25	36.02	38.18	40.80	44.04	48.36	54.90	59.37	74.90	71.44	65.75	60.12	52.27	46.27
24011	2.44	2.06	1.71	1.60	1.63	1.62	1.51	1.33	1.21	1.18	0.94	1.08	0.75	0.81	1.07	1.13	1.60	2.17	3.84	3.92	3.78	3.13	2.96	2.41
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK RESOURCE___RCVRY	39.87	36.18	31.92	30.32	30.31	29.86	29.58	29.75	29.55	31.65	32.32	36.13	38.11	40.78	44.08	48.50	55.21	59.89	75.90	72.52	66.68	61.03	53.06	46.84
23798	2.92	2.43	1.95	1.80	1.80	1.85	1.67	1.44	1.33	1.30	1.00	1.19	0.67	0.76	1.12	1.28	1.92	2.69	4.83	5.00	4.71	4.05	3.75	2.98
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS	39.39	35.81	31.68	30.12	30.14	29.64	29.41	29.64	29.44	31.53	32.25	36.02	38.18	40.80	44.04	48.36	54.90	59.37	74.90	71.44	65.75	60.12	52.27	46.27
24028	2.44	2.06	1.71	1.60	1.63	1.62	1.51	1.33	1.21	1.18	0.94	1.08	0.75	0.81	1.07	1.13	1.60	2.17	3.84	3.92	3.78	3.13	2.96	2.41
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK_NYS___DAM	40.09	36.49	32.34	30.86	30.77	30.28	30.14	30.77	30.60	32.56	33.44	37.18	39.75	41.80	45.47	49.88	56.66	61.32	76.33	72.85	66.75	60.86	52.76	46.93
23527	3.14	2.73	2.37	2.34	2.25	2.27	2.23	2.46	2.37	2.21	2.13	2.24	2.32	2.46	2.58	2.69	3.36	4.12	5.26	5.33	4.77	3.88	3.45	3.07
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.10	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP	37.77	34.43	30.60	29.15	29.14	28.63	28.49	28.85	28.70	30.80	31.75	35.40	37.84	40.67	43.45	47.70	53.72	57.77	72.06	68.40	62.72	57.21	49.66	44.21
24190	0.81	0.68	0.63	0.63	0.63	0.62	0.59	0.54	0.48	0.46	0.44	0.45	0.41	0.52	0.47	0.47	0.43	0.57	0.99	0.88	0.74	0.23	0.35	0.35
	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	0.14	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AKWESSNE_115KV_BK	36.21	33.14	29.46	28.04	28.03	27.51	27.38	27.80	27.74	29.80	30.88	34.49	37.02	39.81	42.52	46.76	52.66	56.51	70.07	66.78	61.42	57.04	49.26	43.73
355683	-0.74	-0.61	-0.51	-0.48	-0.48	-0.50	-0.53	-0.51	-0.48	-0.55	-0.44	-0.45	-0.41	-0.48	-0.47	-0.47	-0.64	-0.69	-0.99	-0.74	-0.56	0.06	-0.05	-0.13
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR	38.54	35.10	31.14	29.66	29.69	29.17	28.94	29.13	28.87	30.92	31.85	35.50	37.92	40.81	43.63	47.94	54.15	58.34	73.13	69.68	63.96	58.52	50.79	45.22
323833	1.59	1.35	1.17	1.14	1.17	1.15	1.03	0.82	0.65	0.58	0.53	0.56	0.49	0.61	0.65	0.71	0.85	1.14	2.06	2.16	1.98	1.54	1.48	1.36
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_2_SOLAR	38.50	35.07	31.14	29.66	29.66	29.14	28.94	29.10	28.87	30.92	31.85	35.50	37.88	40.81	43.63	47.94	54.15	58.34	73.05	69.68	63.96	58.46	50.79	45.17
323834	1.55	1.32	1.17	1.14	1.14	1.12	1.03	0.79	0.65	0.58	0.53	0.56	0.45	0.61	0.65	0.71	0.85	1.14	1.99	2.16	1.98	1.48	1.48	1.31
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___1	37.77	34.43	30.60	29.15	29.14	28.63	28.49	28.85	28.70	30.80	31.75	35.40	37.84	40.67	43.45	47.70	53.72	57.77	72.06	68.40	62.72	57.21	49.66	44.21
23571	0.81	0.68	0.63	0.63	0.63	0.62	0.59	0.54	0.48	0.46	0.44	0.45	0.41	0.52	0.47	0.47	0.43	0.57	0.99	0.88	0.74	0.23	0.35	0.35
	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	0.14	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



ALBANY___2 23572	37.77 0.81 0.00	34.43 0.68 0.00	30.60 0.63 0.00	29.15 0.63 0.00	29.14 0.63 0.00	28.63 0.62 0.00	28.49 0.59 0.00	28.85 0.54 0.00	28.70 0.48 0.00	30.80 0.46 0.00	31.75 0.44 0.00	35.40 0.45 0.00	37.84 0.41 0.00	40.67 0.52 0.14	43.45 0.47 0.01	47.70 0.47 0.01	53.72 0.43 0.00	57.77 0.57 0.00	72.06 0.99 0.00	68.40 0.88 0.00	62.72 0.74 0.00	57.21 0.23 0.00	49.66 0.35 0.00	44.21 0.35 0.00
ALBANY___3 23573	37.77 0.81 0.00	34.43 0.68 0.00	30.60 0.63 0.00	29.15 0.63 0.00	29.14 0.63 0.00	28.63 0.62 0.00	28.49 0.59 0.00	28.85 0.54 0.00	28.70 0.48 0.00	30.80 0.46 0.00	31.75 0.44 0.00	35.40 0.45 0.00	37.84 0.41 0.00	40.67 0.52 0.14	43.45 0.47 0.01	47.70 0.47 0.01	53.72 0.43 0.00	57.77 0.57 0.00	72.06 0.99 0.00	68.40 0.88 0.00	62.72 0.74 0.00	57.21 0.23 0.00	49.66 0.35 0.00	44.21 0.35 0.00
ALBANY___4 23574	37.77 0.81 0.00	34.43 0.68 0.00	30.60 0.63 0.00	29.15 0.63 0.00	29.14 0.63 0.00	28.63 0.62 0.00	28.49 0.59 0.00	28.85 0.54 0.00	28.70 0.48 0.00	30.80 0.46 0.00	31.75 0.44 0.00	35.40 0.45 0.00	37.84 0.41 0.00	40.67 0.52 0.14	43.45 0.47 0.01	47.70 0.47 0.01	53.72 0.43 0.00	57.77 0.57 0.00	72.06 0.99 0.00	68.40 0.88 0.00	62.72 0.74 0.00	57.21 0.23 0.00	49.66 0.35 0.00	44.21 0.35 0.00
ALBANY___LFGE 323615	38.14 1.18 0.00	34.73 0.98 0.00	30.81 0.84 0.00	29.38 0.85 0.00	29.37 0.85 0.00	28.89 0.87 0.00	28.72 0.81 0.00	29.05 0.73 0.00	28.93 0.71 0.00	31.04 0.70 0.00	31.97 0.66 0.00	35.71 0.77 0.00	38.11 0.67 0.00	40.93 0.81 0.17	43.83 0.86 0.02	48.12 0.90 0.01	54.26 0.96 0.00	58.40 1.20 0.00	72.84 1.78 0.00	69.14 1.62 0.00	63.40 1.43 0.00	57.89 0.91 0.00	50.25 0.93 0.00	44.69 0.83 0.00
ALCOA_PA_115KV_PL-6C 55860	36.44 -0.52 0.00	33.35 -0.41 0.00	29.67 -0.30 0.00	28.24 -0.29 0.00	28.20 -0.31 0.00	27.68 -0.34 0.00	27.54 -0.36 0.00	27.92 -0.40 0.00	27.86 -0.37 0.00	29.92 -0.42 0.00	31.06 -0.25 0.00	34.70 -0.24 0.00	37.24 -0.19 0.00	40.01 -0.28 0.00	42.78 -0.21 0.00	47.05 -0.19 0.00	52.92 -0.37 0.00	56.80 -0.40 0.00	70.57 -0.50 0.00	67.25 -0.27 0.00	61.85 -0.12 0.00	57.49 0.51 0.00	49.76 0.44 0.00	44.08 0.22 0.00
ALCOA_RYNLDS___DRP 24188	36.44 -0.52 0.00	33.35 -0.41 0.00	29.67 -0.30 0.00	28.24 -0.29 0.00	28.20 -0.31 0.00	27.68 -0.34 0.00	27.54 -0.36 0.00	27.92 -0.40 0.00	27.86 -0.37 0.00	29.92 -0.42 0.00	31.06 -0.25 0.00	34.70 -0.24 0.00	37.24 -0.19 0.00	40.01 -0.28 0.00	42.78 -0.21 0.00	47.05 -0.19 0.00	52.92 -0.37 0.00	56.80 -0.40 0.00	70.57 -0.50 0.00	67.25 -0.27 0.00	61.85 -0.12 0.00	57.49 0.51 0.00	49.76 0.44 0.00	44.08 0.22 0.00
ALCOA___DSASP 323711	36.44 -0.52 0.00	33.35 -0.40 0.00	29.67 -0.30 0.00	28.24 -0.29 0.00	28.20 -0.31 0.00	27.68 -0.33 0.00	27.54 -0.36 0.00	27.92 -0.40 0.00	27.86 -0.37 0.00	29.92 -0.42 0.00	31.06 -0.25 0.00	34.70 -0.24 0.00	37.24 -0.19 0.00	40.05 -0.24 0.00	42.78 -0.21 0.00	47.05 -0.19 0.00	52.93 -0.37 0.00	56.74 -0.46 0.00	70.57 -0.49 0.00	67.25 -0.27 0.00	61.85 -0.12 0.00	57.49 0.51 0.00	49.75 0.44 0.00	44.08 0.22 0.00
ALLEGHENY___COGEN 23514	38.58 1.62 0.00	35.07 1.32 0.00	31.23 1.26 0.00	29.29 0.77 0.00	29.31 0.80 0.00	28.58 0.56 0.00	28.43 0.53 0.00	28.68 0.37 0.00	28.06 -0.17 0.00	30.22 -0.12 0.00	31.22 -0.09 0.00	34.84 -0.10 0.00	37.21 -0.22 0.00	40.05 -0.24 0.00	42.86 -0.13 0.00	47.52 0.29 0.00	52.66 -0.64 0.00	56.97 -0.23 0.00	71.70 0.64 0.00	68.94 1.42 0.00	64.02 2.04 0.00	58.92 1.94 0.00	50.74 1.43 0.00	46.49 2.63 0.00
ALTAMONT_115KV_TB 2 55880	38.17 1.22 0.00	34.80 1.05 0.00	30.90 0.93 0.00	29.46 0.94 0.00	29.46 0.94 0.00	28.94 0.92 0.00	28.80 0.89 0.00	29.16 0.85 0.00	29.04 0.82 0.00	31.16 0.82 0.00	32.10 0.78 0.00	35.81 0.87 0.00	38.33 0.90 0.00	41.25 1.05 0.09	44.06 1.07 0.01	48.36 1.13 0.00	54.47 1.17 0.00	58.51 1.32 0.00	72.99 1.92 0.00	69.34 1.82 0.00	63.59 1.61 0.00	58.06 1.08 0.00	50.35 1.04 0.00	44.87 1.01 0.00
ALTONA_WT_PWR 323606	36.40 -0.55 0.00	33.31 -0.44 0.00	29.55 -0.42 0.00	28.12 -0.40 0.00	28.09 -0.43 0.00	27.60 -0.42 0.00	27.46 -0.45 0.00	27.83 -0.48 0.00	27.74 -0.48 0.00	29.83 -0.52 0.00	30.91 -0.41 0.00	34.56 -0.38 0.00	37.13 -0.30 0.00	39.93 -0.36 0.00	42.65 -0.35 0.00	47.00 -0.24 0.00	53.09 -0.21 0.00	57.03 -0.17 0.00	70.92 -0.14 0.00	67.72 0.20 0.00	62.35 0.37 0.00	57.89 0.91 0.00	49.91 0.59 0.00	44.12 0.26 0.00
AMERICAN_REF_FUEL 24010	36.29 -0.66 0.00	33.28 -0.47 0.00	29.82 -0.15 0.00	27.69 -0.83 0.00	27.75 -0.77 0.00	27.09 -0.92 0.00	27.12 -0.78 0.00	27.63 -0.68 0.00	27.26 -0.96 0.00	29.67 -0.67 0.00	30.94 -0.37 0.00	34.49 -0.46 0.00	36.64 -0.79 0.00	39.32 -0.97 0.00	41.87 -1.12 0.00	46.29 -0.94 0.00	52.76 -0.53 0.00	56.34 -0.86 0.00	69.43 -1.63 0.00	65.22 -2.30 0.00	60.36 -1.61 0.00	55.16 -1.83 0.00	48.18 -1.13 0.00	43.33 -0.52 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	37.32 0.37 0.00	34.33 0.57 0.00	30.63 0.66 0.00	28.55 0.03 0.00	28.60 0.09 0.00	27.96 -0.06 0.00	27.99 0.08 0.00	28.51 0.20 0.00	28.31 0.08 0.00	30.86 0.52 0.00	32.22 0.91 0.00	36.03 1.08 0.00	38.40 0.97 0.00	41.26 0.97 0.00	44.07 1.08 0.00	48.79 1.56 0.00	55.75 2.45 0.00	59.43 2.23 0.00	73.13 2.06 0.00	68.87 1.35 0.00	63.65 1.67 0.00	58.01 1.03 0.00	50.35 1.04 0.00	44.91 1.05 0.00
ARTHUR KILL_GT_1 23520	40.95 3.99 -0.01	37.14 3.38 -0.01	33.01 3.03 -0.01	31.41 2.88 -0.01	31.32 2.79 -0.01	30.71 2.69 0.00	30.61 2.71 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.57 3.26 0.00	38.75 3.81 0.00	41.67 4.23 -0.01	45.25 4.79 -0.17	47.82 4.82 -0.02	51.73 4.49 -0.01	51.43 4.32 6.18	54.88 4.40 6.72	65.37 5.90 11.59	56.12 5.27 16.67	52.55 4.46 13.88	51.09 2.74 8.63	50.19 2.86 1.98	47.32 3.46 0.00
ARTHUR_KILL_2 23512	40.80 3.84 -0.01	37.03 3.27 -0.01	32.83 2.85 -0.01	31.30 2.77 -0.01	31.18 2.65 -0.01	30.62 2.61 0.00	30.50 2.60 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.47 3.13 0.00	34.44 3.13 0.00	38.61 3.67 0.00	41.56 4.12 -0.01	45.01 4.55 -0.17	47.44 4.43 -0.02	51.49 4.25 -0.01	51.17 4.05 6.18	54.77 4.29 6.72	65.09 5.61 11.59	55.72 4.86 16.67	52.18 4.09 13.88	50.92 2.57 8.63	49.94 2.61 1.98	47.15 3.29 0.00
ARTHUR_KILL_3 23513	40.28 3.33 0.00	36.59 2.84 0.00	32.46 2.49 0.00	31.00 2.48 0.00	30.86 2.34 0.00	30.37 2.35 0.00	30.36 2.46 0.00	30.97 2.66 0.00	31.02 2.79 0.00	33.35 3.00 0.00	34.29 2.98 0.00	38.33 3.39 0.00	41.14 3.71 0.00	44.56 4.11 -0.16	47.22 4.22 -0.02	51.54 4.30 -0.01	51.29 4.16 6.17	54.87 4.40 6.73	65.22 5.75 11.60	55.99 5.13 16.66	52.50 4.40 13.87	51.31 2.96 8.63	50.23 2.91 1.99	46.80 2.94 0.00



ARTHUR_KILL_COGEN 323718	40.95 3.99 -0.01	37.17 3.41 -0.01	32.92 2.94 -0.01	31.41 2.88 -0.01	31.26 2.74 -0.01	30.71 2.69 0.00	30.61 2.71 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.57 3.26 0.00	38.75 3.81 0.00	41.67 4.23 -0.01	45.17 4.71 -0.17	47.61 4.60 -0.02	51.68 4.44 -0.01	51.38 4.27 6.18	54.99 4.52 6.72	65.37 5.90 11.59	56.05 5.20 16.67	52.49 4.40 13.88	51.15 2.79 8.63	50.19 2.86 1.98	47.32 3.46 0.00
ASHOKAN____ 23654	39.98 3.03 0.00	36.42 2.67 0.00	32.25 2.28 0.00	30.72 2.20 0.00	30.66 2.14 0.00	30.01 1.99 0.00	29.75 1.84 0.00	29.98 1.67 0.00	29.78 1.55 0.00	31.83 1.49 0.00	32.66 1.35 0.00	36.37 1.43 0.00	39.26 1.83 0.00	43.39 3.10 0.00	45.40 2.41 0.00	50.07 2.83 0.00	56.55 3.25 0.00	61.09 3.89 0.00	77.04 5.97 0.00	72.79 5.27 0.00	66.62 4.65 0.00	60.57 3.59 0.00	52.37 3.06 0.00	46.80 2.94 0.00
ASTORIA_EAST_ENERGY_CC1 323581	40.54 3.58 -0.01	36.86 3.10 -0.01	32.65 2.67 -0.01	31.15 2.62 -0.01	31.06 2.54 -0.01	30.45 2.44 0.00	30.30 2.40 0.01	30.91 2.60 0.01	30.98 2.77 0.01	33.28 2.94 0.01	34.18 2.88 0.01	38.30 3.35 0.00	41.14 3.71 0.00	44.60 4.15 -0.16	47.17 4.17 -0.01	51.44 4.20 0.00	57.34 4.05 0.01	61.53 4.34 0.01	76.67 5.61 0.01	72.51 5.00 0.01	66.18 4.22 0.01	59.71 2.74 0.01	52.07 2.76 0.00	47.10 3.25 0.00
ASTORIA_EAST_ENERGY_CC2 323582	40.54 3.58 -0.01	36.86 3.10 -0.01	32.65 2.67 -0.01	31.15 2.62 -0.01	31.06 2.54 -0.01	30.45 2.44 0.00	30.30 2.40 0.01	30.91 2.60 0.01	30.98 2.77 0.01	33.28 2.94 0.01	34.18 2.88 0.01	38.30 3.35 0.00	41.14 3.71 0.00	44.60 4.15 -0.16	47.17 4.17 -0.01	51.44 4.20 0.00	57.34 4.05 0.01	61.53 4.34 0.01	76.67 5.61 0.01	72.51 5.00 0.01	66.18 4.22 0.01	59.71 2.74 0.01	52.07 2.76 0.00	47.10 3.25 0.00
ASTORIA_GT2_1 24094	40.55 3.58 -0.01	36.87 3.11 -0.01	32.74 2.76 -0.01	31.18 2.65 -0.01	31.15 2.62 -0.01	30.48 2.47 0.00	30.31 2.40 0.00	30.92 2.60 0.00	30.99 2.77 0.00	33.32 2.97 0.00	34.23 2.91 0.00	38.30 3.35 0.00	41.14 3.71 0.00	44.72 4.27 -0.16	47.27 4.26 -0.02	51.54 4.30 -0.01	57.40 4.10 0.00	61.43 4.23 0.00	76.75 5.69 0.00	72.58 5.06 0.00	66.31 4.34 0.00	59.66 2.68 0.00	52.22 2.91 0.00	47.15 3.29 0.00
ASTORIA_GT2_2 24095	40.55 3.58 -0.01	36.87 3.11 -0.01	32.74 2.76 -0.01	31.18 2.65 -0.01	31.15 2.62 -0.01	30.48 2.47 0.00	30.31 2.40 0.00	30.92 2.60 0.00	30.99 2.77 0.00	33.32 2.97 0.00	34.23 2.91 0.00	38.30 3.35 0.00	41.14 3.71 0.00	44.72 4.27 -0.16	47.27 4.26 -0.02	51.54 4.30 -0.01	57.40 4.10 0.00	61.43 4.23 0.00	76.75 5.69 0.00	72.58 5.06 0.00	66.31 4.34 0.00	59.66 2.68 0.00	52.22 2.91 0.00	47.15 3.29 0.00
ASTORIA_GT2_3 24096	40.55 3.58 -0.01	36.87 3.11 -0.01	32.74 2.76 -0.01	31.18 2.65 -0.01	31.15 2.62 -0.01	30.48 2.47 0.00	30.31 2.40 0.00	30.92 2.60 0.00	30.99 2.77 0.00	33.32 2.97 0.00	34.23 2.91 0.00	38.30 3.35 0.00	41.14 3.71 0.00	44.72 4.27 -0.16	47.27 4.26 -0.02	51.54 4.30 -0.01	57.40 4.10 0.00	61.43 4.23 0.00	76.75 5.69 0.00	72.58 5.06 0.00	66.31 4.34 0.00	59.66 2.68 0.00	52.22 2.91 0.00	47.15 3.29 0.00
ASTORIA_GT2_4 24097	40.55 3.58 -0.01	36.87 3.11 -0.01	32.74 2.76 -0.01	31.18 2.65 -0.01	31.15 2.62 -0.01	30.48 2.47 0.00	30.31 2.40 0.00	30.92 2.60 0.00	30.99 2.77 0.00	33.32 2.97 0.00	34.23 2.91 0.00	38.30 3.35 0.00	41.14 3.71 0.00	44.72 4.27 -0.16	47.27 4.26 -0.02	51.54 4.30 -0.01	57.40 4.10 0.00	61.43 4.23 0.00	76.75 5.69 0.00	72.58 5.06 0.00	66.31 4.34 0.00	59.66 2.68 0.00	52.22 2.91 0.00	47.15 3.29 0.00
ASTORIA_GT3_1 24098	40.55 3.58 -0.01	36.87 3.11 -0.01	32.74 2.76 -0.01	31.18 2.65 -0.01	31.15 2.62 -0.01	30.48 2.47 0.00	30.31 2.40 0.00	30.92 2.60 0.00	30.99 2.77 0.00	33.32 2.97 0.00	34.23 2.91 0.00	38.30 3.35 0.00	41.14 3.71 0.00	44.72 4.27 -0.16	47.27 4.26 -0.02	51.54 4.30 -0.01	57.40 4.10 0.00	61.43 4.23 0.00	76.75 5.69 0.00	72.58 5.06 0.00	66.31 4.34 0.00	59.66 2.68 0.00	52.22 2.91 0.00	47.15 3.29 0.00
ASTORIA_GT3_2 24099	40.55 3.58 -0.01	36.87 3.11 -0.01	32.74 2.76 -0.01	31.18 2.65 -0.01	31.15 2.62 -0.01	30.48 2.47 0.00	30.31 2.40 0.00	30.92 2.60 0.00	30.99 2.77 0.00	33.32 2.97 0.00	34.23 2.91 0.00	38.30 3.35 0.00	41.14 3.71 0.00	44.72 4.27 -0.16	47.27 4.26 -0.02	51.54 4.30 -0.01	57.40 4.10 0.00	61.43 4.23 0.00	76.75 5.69 0.00	72.58 5.06 0.00	66.31 4.34 0.00	59.66 2.68 0.00	52.22 2.91 0.00	47.15 3.29 0.00
ASTORIA_GT3_3 24100	40.55 3.58 -0.01	36.87 3.11 -0.01	32.74 2.76 -0.01	31.18 2.65 -0.01	31.15 2.62 -0.01	30.48 2.47 0.00	30.31 2.40 0.00	30.92 2.60 0.00	30.99 2.77 0.00	33.32 2.97 0.00	34.23 2.91 0.00	38.30 3.35 0.00	41.14 3.71 0.00	44.72 4.27 -0.16	47.27 4.26 -0.02	51.54 4.30 -0.01	57.40 4.10 0.00	61.43 4.23 0.00	76.75 5.69 0.00	72.58 5.06 0.00	66.31 4.34 0.00	59.66 2.68 0.00	52.22 2.91 0.00	47.15 3.29 0.00
ASTORIA_GT3_4 24101	40.55 3.58 -0.01	36.87 3.11 -0.01	32.74 2.76 -0.01	31.18 2.65 -0.01	31.15 2.62 -0.01	30.48 2.47 0.00	30.31 2.40 0.00	30.92 2.60 0.00	30.99 2.77 0.00	33.32 2.97 0.00	34.23 2.91 0.00	38.30 3.35 0.00	41.14 3.71 0.00	44.72 4.27 -0.16	47.27 4.26 -0.02	51.54 4.30 -0.01	57.40 4.10 0.00	61.43 4.23 0.00	76.75 5.69 0.00	72.58 5.06 0.00	66.31 4.34 0.00	59.66 2.68 0.00	52.22 2.91 0.00	47.15 3.29 0.00
ASTORIA_GT4_1 24102	40.55 3.58 -0.01	36.87 3.11 -0.01	32.74 2.76 -0.01	31.18 2.65 -0.01	31.15 2.62 -0.01	30.48 2.47 0.00	30.31 2.40 0.00	30.92 2.60 0.00	30.99 2.77 0.00	33.32 2.97 0.00	34.23 2.91 0.00	38.30 3.35 0.00	41.14 3.71 0.00	44.72 4.27 -0.16	47.27 4.26 -0.02	51.54 4.30 -0.01	57.40 4.10 0.00	61.43 4.23 0.00	76.75 5.69 0.00	72.58 5.06 0.00	66.31 4.34 0.00	59.66 2.68 0.00	52.22 2.91 0.00	47.15 3.29 0.00
ASTORIA_GT4_2 24103	40.55 3.58 -0.01	36.87 3.11 -0.01	32.74 2.76 -0.01	31.18 2.65 -0.01	31.15 2.62 -0.01	30.48 2.47 0.00	30.31 2.40 0.00	30.92 2.60 0.00	30.99 2.77 0.00	33.32 2.97 0.00	34.23 2.91 0.00	38.30 3.35 0.00	41.14 3.71 0.00	44.72 4.27 -0.16	47.27 4.26 -0.02	51.54 4.30 -0.01	57.40 4.10 0.00	61.43 4.23 0.00	76.75 5.69 0.00	72.58 5.06 0.00	66.31 4.34 0.00	59.66 2.68 0.00	52.22 2.91 0.00	47.15 3.29 0.00
ASTORIA_GT4_3 24104	40.55 3.58 -0.01	36.87 3.11 -0.01	32.74 2.76 -0.01	31.18 2.65 -0.01	31.15 2.62 -0.01	30.48 2.47 0.00	30.31 2.40 0.00	30.92 2.60 0.00	30.99 2.77 0.00	33.32 2.97 0.00	34.23 2.91 0.00	38.30 3.35 0.00	41.14 3.71 0.00	44.72 4.27 -0.16	47.27 4.26 -0.02	51.54 4.30 -0.01	57.40 4.10 0.00	61.43 4.23 0.00	76.75 5.69 0.00	72.58 5.06 0.00	66.31 4.34 0.00	59.66 2.68 0.00	52.22 2.91 0.00	47.15 3.29 0.00



ASTORIA_GT4_4 24105	40.55 3.58 -0.01	36.87 3.11 -0.01	32.74 2.76 -0.01	31.18 2.65 -0.01	31.15 2.62 -0.01	30.48 2.47 0.00	30.31 2.40 0.00	30.92 2.60 0.00	30.99 2.77 0.00	33.32 2.97 0.00	34.23 2.91 0.00	38.30 3.35 0.00	41.14 3.71 0.00	44.72 4.27 -0.16	47.27 4.26 -0.02	51.54 4.30 -0.01	57.40 4.10 0.00	61.43 4.23 0.00	76.75 5.69 0.00	72.58 5.06 0.00	66.31 4.34 0.00	59.66 2.68 0.00	52.22 2.91 0.00	47.15 3.29 0.00
ASTORIA_GT_1 23523	40.62 3.66 -0.01	36.93 3.17 -0.01	32.80 2.82 -0.01	31.24 2.71 -0.01	31.18 2.65 -0.01	30.54 2.52 0.00	30.36 2.46 0.00	30.97 2.66 0.00	31.05 2.82 0.00	33.38 3.03 0.00	34.29 2.97 0.00	38.37 3.42 0.00	41.21 3.78 0.00	44.80 4.35 -0.16	47.39 4.39 -0.02	51.63 4.39 -0.01	57.56 4.26 0.00	61.60 4.40 0.00	76.97 5.90 0.00	72.79 5.27 0.00	66.50 4.52 0.00	59.83 2.85 0.00	52.37 3.06 0.00	47.24 3.38 0.00
ASTORIA_GT_10 24110	40.58 3.62 -0.01	36.87 3.11 -0.01	32.80 2.82 -0.01	31.24 2.71 -0.01	31.18 2.65 -0.01	30.57 2.55 0.00	30.47 2.57 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.09 0.00	34.38 3.07 0.00	38.47 3.53 0.00	41.32 3.89 0.00	44.84 4.39 -0.16	47.44 4.43 -0.02	51.73 4.49 -0.01	57.67 4.37 0.00	61.72 4.52 0.00	77.04 5.97 0.00	72.92 5.40 0.00	66.62 4.65 0.00	60.00 3.02 0.00	52.37 3.06 0.00	47.15 3.29 0.00
ASTORIA_GT_11 24225	40.58 3.62 -0.01	36.87 3.11 -0.01	32.80 2.82 -0.01	31.24 2.71 -0.01	31.18 2.65 -0.01	30.57 2.55 0.00	30.47 2.57 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.09 0.00	34.38 3.07 0.00	38.47 3.53 0.00	41.32 3.89 0.00	44.84 4.39 -0.16	47.44 4.43 -0.02	51.73 4.49 -0.01	57.67 4.37 0.00	61.72 4.52 0.00	77.04 5.97 0.00	72.92 5.40 0.00	66.62 4.65 0.00	60.00 3.02 0.00	52.37 3.06 0.00	47.15 3.29 0.00
ASTORIA_GT_12 24226	40.58 3.62 -0.01	36.87 3.11 -0.01	32.80 2.82 -0.01	31.24 2.71 -0.01	31.18 2.65 -0.01	30.57 2.55 0.00	30.47 2.57 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.09 0.00	34.38 3.07 0.00	38.47 3.53 0.00	41.32 3.89 0.00	44.84 4.39 -0.16	47.44 4.43 -0.02	51.73 4.49 -0.01	57.67 4.37 0.00	61.72 4.52 0.00	77.04 5.97 0.00	72.92 5.40 0.00	66.62 4.65 0.00	60.00 3.02 0.00	52.37 3.06 0.00	47.15 3.29 0.00
ASTORIA_GT_13 24227	40.58 3.62 -0.01	36.87 3.11 -0.01	32.80 2.82 -0.01	31.24 2.71 -0.01	31.18 2.65 -0.01	30.57 2.55 0.00	30.47 2.57 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.09 0.00	34.38 3.07 0.00	38.47 3.53 0.00	41.32 3.89 0.00	44.84 4.39 -0.16	47.44 4.43 -0.02	51.73 4.49 -0.01	57.67 4.37 0.00	61.72 4.52 0.00	77.04 5.97 0.00	72.92 5.40 0.00	66.62 4.65 0.00	60.00 3.02 0.00	52.37 3.06 0.00	47.15 3.29 0.00
ASTORIA_GT_5 24106	40.62 3.66 -0.01	36.93 3.17 -0.01	32.80 2.82 -0.01	31.24 2.71 -0.01	31.18 2.65 -0.01	30.54 2.52 0.00	30.36 2.46 0.00	30.97 2.66 0.00	31.05 2.82 0.00	33.38 3.03 0.00	34.29 2.97 0.00	38.37 3.42 0.00	41.21 3.78 0.00	44.80 4.35 -0.16	47.39 4.39 -0.02	51.63 4.39 -0.01	57.56 4.26 0.00	61.60 4.40 0.00	76.97 5.90 0.00	72.79 5.27 0.00	66.50 4.52 0.00	59.83 2.85 0.00	52.37 3.06 0.00	47.24 3.38 0.00
ASTORIA_GT_7 24107	40.62 3.66 -0.01	36.93 3.17 -0.01	32.80 2.82 -0.01	31.24 2.71 -0.01	31.18 2.65 -0.01	30.54 2.52 0.00	30.36 2.46 0.00	30.97 2.66 0.00	31.05 2.82 0.00	33.38 3.03 0.00	34.29 2.97 0.00	38.37 3.42 0.00	41.21 3.78 0.00	44.80 4.35 -0.16	47.39 4.39 -0.02	51.63 4.39 -0.01	57.56 4.26 0.00	61.60 4.40 0.00	76.97 5.90 0.00	72.79 5.27 0.00	66.50 4.52 0.00	59.83 2.85 0.00	52.37 3.06 0.00	47.24 3.38 0.00
ASTORIA_GT_8 24108	40.62 3.66 -0.01	36.93 3.17 -0.01	32.80 2.82 -0.01	31.24 2.71 -0.01	31.18 2.65 -0.01	30.54 2.52 0.00	30.36 2.46 0.00	30.97 2.66 0.00	31.05 2.82 0.00	33.38 3.03 0.00	34.29 2.97 0.00	38.37 3.42 0.00	41.21 3.78 0.00	44.80 4.35 -0.16	47.39 4.39 -0.02	51.63 4.39 -0.01	57.56 4.26 0.00	61.60 4.40 0.00	76.97 5.90 0.00	72.79 5.27 0.00	66.50 4.52 0.00	59.83 2.85 0.00	52.37 3.06 0.00	47.24 3.38 0.00
ASTORIA___2 24149	40.54 3.58 -0.01	36.90 3.14 -0.01	32.68 2.70 -0.01	31.18 2.65 -0.01	31.06 2.54 -0.01	30.48 2.47 0.00	30.30 2.40 0.01	30.91 2.60 0.01	30.98 2.77 0.01	33.28 2.94 0.01	34.22 2.91 0.01	38.30 3.35 0.00	41.14 3.71 0.00	44.60 4.15 -0.16	47.17 4.17 -0.01	51.49 4.25 0.00	57.34 4.05 0.01	61.53 4.34 0.01	76.75 5.69 0.01	72.58 5.07 0.01	66.24 4.27 0.01	59.71 2.74 0.01	52.12 2.81 0.00	47.15 3.29 0.00
ASTORIA___3 23516	40.58 3.62 -0.01	36.90 3.14 -0.01	32.74 2.76 -0.01	31.24 2.71 -0.01	31.09 2.57 -0.01	30.57 2.55 0.00	30.47 2.57 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.10 0.00	34.38 3.07 0.00	38.47 3.53 0.00	41.32 3.89 0.00	44.76 4.31 -0.16	47.35 4.34 -0.02	51.73 4.49 -0.01	57.61 4.32 0.00	61.83 4.63 0.00	77.04 5.97 0.00	72.85 5.33 0.00	66.56 4.59 0.00	60.06 3.07 0.00	52.37 3.06 0.00	47.15 3.29 0.00
ASTORIA___4 23517	40.58 3.62 -0.01	36.87 3.11 -0.01	32.80 2.82 -0.01	31.24 2.71 -0.01	31.18 2.65 -0.01	30.57 2.55 0.00	30.47 2.57 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.09 0.00	34.38 3.07 0.00	38.47 3.53 0.00	41.32 3.89 0.00	44.84 4.39 -0.16	47.44 4.43 -0.02	51.73 4.49 -0.01	57.67 4.37 0.00	61.72 4.52 0.00	77.04 5.97 0.00	72.92 5.40 0.00	66.62 4.65 0.00	60.00 3.02 0.00	52.37 3.06 0.00	47.15 3.29 0.00
ASTORIA___5 23518	40.58 3.62 -0.01	36.90 3.14 -0.01	32.74 2.76 -0.01	31.24 2.71 -0.01	31.09 2.57 -0.01	30.57 2.55 0.00	30.47 2.57 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.10 0.00	34.38 3.07 0.00	38.47 3.53 0.00	41.32 3.89 0.00	44.76 4.31 -0.16	47.35 4.34 -0.02	51.73 4.49 -0.01	57.61 4.32 0.00	61.83 4.63 0.00	77.04 5.97 0.00	72.85 5.33 0.00	66.56 4.59 0.00	60.06 3.07 0.00	52.37 3.06 0.00	47.15 3.29 0.00
AST_ENERGY_2_CC3 323677	33.22 3.47 7.21	33.22 3.00 3.54	32.61 2.64 0.00	31.12 2.60 0.00	30.97 2.45 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.03 2.72 0.00	31.07 2.85 0.00	33.22 3.06 0.19	33.69 3.04 0.66	33.69 3.46 4.71	33.69 3.82 7.56	33.69 4.23 10.83	33.69 4.34 13.64	33.69 4.49 18.03	33.69 4.48 24.09	41.07 4.81 20.93	57.43 6.26 19.90	53.24 5.54 19.82	41.81 4.77 24.93	35.47 3.30 24.82	35.86 3.20 16.65	33.69 3.16 13.33
AST_ENERGY_2_CC4 323678	33.22 3.47 7.21	33.22 3.00 3.54	32.61 2.64 0.00	31.12 2.60 0.00	30.97 2.45 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.03 2.72 0.00	31.07 2.85 0.00	33.22 3.06 0.19	33.69 3.04 0.66	33.69 3.46 4.71	33.69 3.82 7.56	33.69 4.23 10.83	33.69 4.34 13.64	33.69 4.49 18.03	33.69 4.48 24.09	41.07 4.81 20.93	57.43 6.26 19.90	53.24 5.54 19.82	41.81 4.77 24.93	35.47 3.30 24.82	35.86 3.20 16.65	33.69 3.16 13.33



ATHENS_STG_1 23668	38.69 1.74 0.00	35.20 1.45 0.00	31.26 1.29 0.00	29.86 1.34 0.00	29.83 1.31 0.00	29.36 1.34 0.00	29.25 1.34 0.00	29.67 1.36 0.00	29.55 1.33 0.00	31.71 1.37 0.00	32.63 1.31 0.00	36.44 1.50 0.00	39.08 1.65 0.00	42.22 1.85 -0.08	44.89 1.89 -0.01	49.22 1.98 0.00	55.32 2.02 0.00	59.43 2.23 0.00	74.05 2.98 0.00	70.22 2.70 0.00	64.33 2.35 0.00	58.58 1.59 0.00	50.74 1.43 0.00	45.26 1.40 0.00
ATHENS_STG_2 23670	38.69 1.74 0.00	35.20 1.45 0.00	31.26 1.29 0.00	29.86 1.34 0.00	29.83 1.31 0.00	29.36 1.34 0.00	29.25 1.34 0.00	29.67 1.36 0.00	29.55 1.33 0.00	31.71 1.37 0.00	32.63 1.31 0.00	36.44 1.50 0.00	39.08 1.65 0.00	42.22 1.85 -0.08	44.89 1.89 -0.01	49.22 1.98 0.00	55.32 2.02 0.00	59.43 2.23 0.00	74.05 2.98 0.00	70.22 2.70 0.00	64.33 2.35 0.00	58.58 1.59 0.00	50.74 1.43 0.00	45.26 1.40 0.00
ATHENS_STG_3 23677	38.69 1.74 0.00	35.20 1.45 0.00	31.26 1.29 0.00	29.86 1.34 0.00	29.83 1.31 0.00	29.36 1.34 0.00	29.25 1.34 0.00	29.67 1.36 0.00	29.55 1.33 0.00	31.71 1.37 0.00	32.63 1.31 0.00	36.44 1.50 0.00	39.08 1.65 0.00	42.22 1.85 -0.08	44.89 1.89 -0.01	49.22 1.98 0.00	55.32 2.02 0.00	59.43 2.23 0.00	74.05 2.98 0.00	70.22 2.70 0.00	64.33 2.35 0.00	58.58 1.59 0.00	50.74 1.43 0.00	45.26 1.40 0.00
AUBURN___LFGE 323710	37.29 0.33 0.00	34.02 0.27 0.00	30.18 0.21 0.00	28.64 0.11 0.00	28.57 0.06 0.00	28.07 0.06 0.00	27.99 0.08 0.00	28.43 0.11 0.00	28.25 0.03 0.00	30.46 0.12 0.00	31.44 0.13 0.00	35.12 0.17 0.00	37.62 0.19 0.00	40.45 0.16 0.00	43.25 0.26 0.00	47.61 0.38 0.00	53.99 0.69 0.00	58.00 0.80 0.00	72.35 1.28 0.00	68.80 1.28 0.00	63.09 1.12 0.00	57.84 0.85 0.00	49.85 0.54 0.00	44.30 0.44 0.00
BABYLON_RES_REC 323704	41.39 4.43 -0.01	37.61 3.85 -0.01	33.37 3.39 -0.01	31.78 3.25 -0.01	31.61 3.08 -0.01	31.04 3.03 0.00	30.95 3.04 0.00	31.66 3.34 -0.01	31.70 3.47 -0.01	34.09 3.73 -0.01	45.67 3.60 -10.75	47.59 4.05 -8.59	52.02 4.08 -10.51	50.39 4.43 -5.67	53.36 4.47 -5.89	61.62 4.72 -9.66	67.10 4.90 -8.90	66.28 5.37 -3.70	79.68 7.11 -1.50	76.87 6.34 -3.00	69.50 5.33 -2.20	60.46 3.48 0.00	54.18 3.40 -1.47	47.54 3.68 0.00
BALL_HILL_WT_PWR 323825	36.92 -0.04 0.00	33.89 0.14 0.00	30.27 0.30 0.00	28.18 -0.34 0.00	28.23 -0.29 0.00	27.60 -0.42 0.00	27.60 -0.31 0.00	28.14 -0.17 0.00	27.91 -0.31 0.00	30.40 0.06 0.00	31.72 0.41 0.00	35.47 0.52 0.00	37.77 0.34 0.00	40.57 0.28 0.00	43.33 0.34 0.00	47.94 0.71 0.00	54.68 1.38 0.00	58.34 1.14 0.00	71.85 0.78 0.00	67.59 0.07 0.00	62.47 0.49 0.00	57.04 0.06 0.00	49.61 0.30 0.00	44.34 0.48 0.00
BARON_WINDS___WT_PWR 323822	37.03 0.07 0.00	33.92 0.17 0.00	30.18 0.21 0.00	28.35 -0.17 0.00	28.40 -0.11 0.00	27.82 -0.19 0.00	27.77 -0.14 0.00	28.11 -0.20 0.00	27.80 -0.42 0.00	30.10 -0.24 0.00	31.28 -0.03 0.00	35.01 0.07 0.00	37.39 -0.04 0.00	40.17 -0.12 0.00	42.95 -0.04 0.00	47.47 0.24 0.00	53.89 0.59 0.00	57.71 0.51 0.00	71.70 0.64 0.00	68.06 0.54 0.00	62.90 0.93 0.00	57.44 0.45 0.00	49.66 0.35 0.00	44.43 0.57 0.00
BARRETT_IC_1 23704	40.88 3.92 -0.01	37.17 3.41 -0.01	33.01 3.03 -0.01	31.50 2.97 -0.01	31.35 2.82 -0.01	30.79 2.77 0.00	30.70 2.79 0.00	31.35 3.03 -0.01	31.36 3.13 -0.01	33.66 3.31 -0.01	45.23 3.16 -10.75	47.10 3.57 -8.59	51.80 3.86 -10.51	51.80 4.27 -7.24	109.60 4.43 -62.17	84.21 4.68 -32.30	165.45 4.80 -107.35	106.97 5.15 -44.62	95.73 6.61 -18.05	109.56 5.94 -36.10	93.79 5.26 -26.55	60.60 3.53 -0.09	69.94 3.70 -16.93	47.24 3.38 0.00
BARRETT_IC_10 23701	40.88 3.92 -0.01	37.17 3.41 -0.01	33.01 3.03 -0.01	31.50 2.97 -0.01	31.35 2.82 -0.01	30.79 2.77 0.00	30.70 2.79 0.00	31.35 3.03 -0.01	31.36 3.13 -0.01	33.66 3.31 -0.01	45.23 3.16 -10.75	47.10 3.57 -8.59	51.80 3.86 -10.51	51.80 4.27 -7.24	66.45 4.43 -19.03	61.80 4.68 -9.89	90.93 4.80 -32.83	76.00 5.15 -13.65	83.20 6.61 -5.53	84.51 5.94 -11.04	75.35 5.26 -8.11	60.54 3.53 -0.02	69.94 3.70 -16.93	47.24 3.38 0.00
BARRETT_IC_11 23702	40.88 3.92 -0.01	37.17 3.41 -0.01	33.01 3.03 -0.01	31.50 2.97 -0.01	31.35 2.82 -0.01	30.79 2.77 0.00	30.70 2.79 0.00	31.35 3.03 -0.01	31.36 3.13 -0.01	33.66 3.31 -0.01	45.23 3.16 -10.75	47.10 3.57 -8.59	51.80 3.86 -10.51	51.80 4.27 -7.24	66.45 4.43 -19.03	61.80 4.68 -9.89	90.93 4.80 -32.83	76.00 5.15 -13.65	83.20 6.61 -5.53	84.51 5.94 -11.04	75.35 5.26 -8.11	60.54 3.53 -0.02	69.94 3.70 -16.93	47.24 3.38 0.00
BARRETT_IC_12 23703	40.88 3.92 -0.01	37.17 3.41 -0.01	33.01 3.03 -0.01	31.50 2.97 -0.01	31.35 2.82 -0.01	30.79 2.77 0.00	30.70 2.79 0.00	31.35 3.03 -0.01	31.36 3.13 -0.01	33.66 3.31 -0.01	45.23 3.16 -10.75	47.10 3.57 -8.59	51.80 3.86 -10.51	51.80 4.27 -7.24	66.45 4.43 -19.03	61.80 4.68 -9.89	90.93 4.80 -32.83	76.00 5.15 -13.65	83.20 6.61 -5.53	84.51 5.94 -11.04	75.35 5.26 -8.11	60.54 3.53 -0.02	69.94 3.70 -16.93	47.24 3.38 0.00
BARRETT_IC_2 23705	40.88 3.92 -0.01	37.17 3.41 -0.01	33.01 3.03 -0.01	31.50 2.97 -0.01	31.35 2.82 -0.01	30.79 2.77 0.00	30.70 2.79 0.00	31.35 3.03 -0.01	31.36 3.13 -0.01	33.66 3.31 -0.01	45.23 3.16 -10.75	47.10 3.57 -8.59	51.80 3.86 -10.51	51.80 4.27 -7.24	109.60 4.43 -62.17	84.21 4.68 -32.30	165.45 4.80 -107.35	106.97 5.15 -44.62	95.73 6.61 -18.05	109.56 5.94 -36.10	93.79 5.26 -26.55	60.60 3.53 -0.09	69.94 3.70 -16.93	47.24 3.38 0.00
BARRETT_IC_3 23706	40.88 3.92 -0.01	37.17 3.41 -0.01	33.01 3.03 -0.01	31.50 2.97 -0.01	31.35 2.82 -0.01	30.79 2.77 0.00	30.70 2.79 0.00	31.35 3.03 -0.01	31.36 3.13 -0.01	33.66 3.31 -0.01	45.23 3.16 -10.75	47.10 3.57 -8.59	51.80 3.86 -10.51	51.80 4.27 -7.24	109.60 4.43 -62.17	84.21 4.43 -32.30	165.45 4.80 -107.35	106.97 5.15 -44.62	95.73 6.61 -18.05	109.56 5.94 -36.10	93.79 5.26 -26.55	60.60 3.53 -0.09	69.94 3.70 -16.93	47.24 3.38 0.00
BARRETT_IC_4 23707	40.88 3.92 -0.01	37.17 3.41 -0.01	33.01 3.03 -0.01	31.50 2.97 -0.01	31.35 2.82 -0.01	30.79 2.77 0.00	30.70 2.79 0.00	31.35 3.03 -0.01	31.36 3.13 -0.01	33.66 3.31 -0.01	45.23 3.16 -10.75	47.10 3.57 -8.59	51.80 3.86 -10.51	51.80 4.27 -7.24	109.60 4.43 -62.17	84.21 4.43 -32.30	165.45 4.80 -107.35	106.97 5.15 -44.62	95.73 6.61 -18.05	109.56 5.94 -36.10	93.79 5.26 -26.55	60.60 3.53 -0.09	69.94 3.70 -16.93	47.24 3.38 0.00
BARRETT_IC_5 23708	40.88 3.92 -0.01	37.17 3.41 -0.01	33.01 3.03 -0.01	31.50 2.97 -0.01	31.35 2.82 -0.01	30.79 2.77 0.00	30.70 2.79 0.00	31.35 3.03 -0.01	31.36 3.13 -0.01	33.66 3.31 -0.01	45.23 3.16 -10.75	47.10 3.57 -8.59	51.80 3.86 -10.51	51.80 4.27 -7.24	109.60 4.43 -62.17	84.21 4.43 -32.30	165.45 4.80 -107.35	106.97 5.15 -44.62	95.73 6.61 -18.05	109.56 5.94 -36.10	93.79 5.26 -26.55	60.60 3.53 -0.09	69.94 3.70 -16.93	47.24 3.38 0.00



BARRETT_IC_6 23709	40.88 3.92 -0.01	37.17 3.41 -0.01	33.01 3.03 -0.01	31.50 2.97 -0.01	31.35 2.82 -0.01	30.79 2.77 0.00	30.70 2.79 0.00	31.35 3.03 -0.01	31.36 3.13 -0.01	33.66 3.31 -0.01	45.23 3.16 -10.75	47.10 3.57 -8.59	51.80 3.86 -10.51	51.80 4.27 -7.24	109.60 4.43 -62.17	84.21 4.68 -32.30	165.45 4.80 -107.35	106.97 5.15 -44.62	95.73 6.61 -18.05	109.56 5.94 -36.10	93.79 5.26 -26.55	60.60 3.53 -0.09	69.94 3.70 -16.93	47.24 3.38 0.00
BARRETT_IC_7 23710	40.87 3.92 0.00	37.16 3.41 0.00	33.06 3.09 0.00	31.49 2.97 0.00	31.40 2.88 0.00	30.85 2.83 0.00	30.70 2.79 0.00	31.34 3.03 0.00	31.36 3.13 0.00	33.69 3.34 -0.01	45.23 3.16 -10.75	47.10 3.56 -8.59	51.80 3.86 -10.51	51.84 4.31 -7.24	109.64 4.47 -62.17	84.26 4.72 -32.30	165.44 4.80 -107.35	106.85 5.03 -44.62	95.73 6.61 -18.05	109.63 6.01 -36.10	93.79 5.27 -26.55	60.55 3.48 -0.09	69.94 3.70 -16.93	47.50 3.64 0.00
BARRETT_IC_8 23711	40.88 3.92 -0.01	37.17 3.41 -0.01	33.01 3.03 -0.01	31.50 2.97 -0.01	31.35 2.82 -0.01	30.79 2.77 0.00	30.70 2.79 0.00	31.35 3.03 -0.01	31.36 3.13 -0.01	33.66 3.31 -0.01	45.23 3.16 -10.75	47.10 3.57 -8.59	51.80 3.86 -10.51	51.80 4.27 -7.24	109.60 4.43 -62.17	84.21 4.68 -32.30	165.45 4.80 -107.35	106.97 5.15 -44.62	95.73 6.61 -18.05	109.56 5.94 -36.10	93.79 5.26 -26.55	60.60 3.53 -0.09	69.94 3.70 -16.93	47.24 3.38 0.00
BARRETT_IC_9 23700	40.88 3.92 -0.01	37.17 3.41 -0.01	33.01 3.03 -0.01	31.50 2.97 -0.01	31.35 2.82 -0.01	30.79 2.77 0.00	30.70 2.79 0.00	31.35 3.03 -0.01	31.36 3.13 -0.01	33.66 3.31 -0.01	45.23 3.16 -10.75	47.10 3.57 -8.59	51.80 3.86 -10.51	51.80 4.27 -7.24	109.60 4.43 -19.03	61.80 4.68 -9.89	90.93 4.80 -32.83	76.00 5.15 -13.65	83.20 6.61 -5.53	84.51 5.94 -11.04	75.35 5.26 -8.11	60.54 3.53 -0.02	69.94 3.70 -16.93	47.24 3.38 0.00
BARRETT___1 23545	40.88 3.92 -0.01	37.17 3.41 -0.01	33.01 3.03 -0.01	31.50 2.97 -0.01	31.35 2.82 -0.01	30.79 2.77 0.00	30.70 2.79 0.00	31.35 3.03 -0.01	31.36 3.13 -0.01	33.66 3.31 -0.01	45.23 3.16 -10.75	47.10 3.57 -8.59	51.80 3.86 -10.51	51.80 4.27 -7.24	109.60 4.43 -62.17	84.21 4.68 -32.30	165.45 4.80 -107.35	106.97 5.15 -44.62	95.73 6.61 -18.05	109.56 5.94 -36.10	93.79 5.26 -26.55	60.60 3.53 -0.09	69.94 3.70 -16.93	47.24 3.38 0.00
BARRETT___2 23546	40.88 3.92 -0.01	37.17 3.41 -0.01	33.01 3.03 -0.01	31.50 2.97 -0.01	31.35 2.82 -0.01	30.79 2.77 0.00	30.70 2.79 0.00	31.35 3.03 -0.01	31.36 3.13 -0.01	33.66 3.31 -0.01	45.23 3.16 -10.75	47.10 3.57 -8.59	51.80 3.86 -10.51	51.80 4.27 -7.24	109.60 4.43 -19.03	61.80 4.68 -9.89	90.93 4.80 -32.83	76.00 5.15 -13.65	83.20 6.61 -5.53	84.51 5.94 -11.04	75.35 5.26 -8.11	60.54 3.53 -0.02	69.94 3.70 -16.93	47.24 3.38 0.00
BATAVIA___115KV_TB1 55881	37.66 0.70 0.00	34.26 0.51 0.00	30.42 0.45 0.00	28.61 0.09 0.00	28.43 -0.09 0.00	27.85 -0.17 0.00	27.85 -0.06 0.00	28.40 0.08 0.00	28.00 -0.23 0.00	30.49 0.15 0.00	31.81 0.50 0.00	35.60 0.66 0.00	37.92 0.49 0.00	40.61 0.32 0.00	43.47 0.47 0.00	48.09 0.85 0.00	54.95 1.65 0.00	58.86 1.66 0.00	72.99 1.92 0.00	68.73 1.22 0.00	63.46 1.49 0.00	58.58 1.60 0.00	50.64 1.33 0.00	45.09 1.23 0.00
BAYONEEC___CTG1 323682	40.43 3.47 0.00	36.72 2.97 0.00	32.61 2.64 0.00	31.12 2.60 0.00	30.97 2.45 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.10 0.00	34.38 3.07 0.00	38.43 3.49 0.00	41.25 3.82 0.00	44.68 4.23 -0.16	47.40 4.39 -0.02	51.78 4.54 -0.01	57.78 4.48 0.00	61.94 4.74 0.00	77.25 6.18 0.00	73.06 5.54 0.00	66.68 4.71 0.00	60.23 3.25 0.00	52.47 3.16 0.00	47.02 3.16 0.00
BAYONEEC___CTG10 323750	40.43 3.47 0.00	36.72 2.97 0.00	32.61 2.64 0.00	31.12 2.60 0.00	30.97 2.45 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.10 0.00	34.38 3.07 0.00	38.43 3.49 0.00	41.25 3.82 0.00	44.68 4.23 -0.16	47.40 4.39 -0.02	51.78 4.54 -0.01	57.78 4.48 0.00	61.94 4.74 0.00	77.25 6.18 0.00	73.06 5.54 0.00	66.68 4.71 0.00	60.23 3.25 0.00	52.47 3.16 0.00	47.02 3.16 0.00
BAYONEEC___CTG2 323683	40.43 3.47 0.00	36.72 2.97 0.00	32.61 2.64 0.00	31.12 2.60 0.00	30.97 2.45 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.10 0.00	34.38 3.07 0.00	38.43 3.49 0.00	41.25 3.82 0.00	44.68 4.23 -0.16	47.40 4.39 -0.02	51.78 4.54 -0.01	57.78 4.48 0.00	61.94 4.74 0.00	77.25 6.18 0.00	73.06 5.54 0.00	66.68 4.71 0.00	60.23 3.25 0.00	52.47 3.16 0.00	47.02 3.16 0.00
BAYONEEC___CTG3 323684	40.43 3.47 0.00	36.72 2.97 0.00	32.61 2.64 0.00	31.12 2.60 0.00	30.97 2.45 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.10 0.00	34.38 3.07 0.00	38.43 3.49 0.00	41.25 3.82 0.00	44.68 4.23 -0.16	47.40 4.39 -0.02	51.78 4.54 -0.01	57.78 4.48 0.00	61.94 4.74 0.00	77.25 6.18 0.00	73.06 5.54 0.00	66.68 4.71 0.00	60.23 3.25 0.00	52.47 3.16 0.00	47.02 3.16 0.00
BAYONEEC___CTG4 323685	40.43 3.47 0.00	36.72 2.97 0.00	32.61 2.64 0.00	31.12 2.60 0.00	30.97 2.45 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.10 0.00	34.38 3.07 0.00	38.43 3.49 0.00	41.25 3.82 0.00	44.68 4.23 -0.16	47.40 4.39 -0.02	51.78 4.54 -0.01	57.78 4.48 0.00	61.94 4.74 0.00	77.25 6.18 0.00	73.06 5.54 0.00	66.68 4.71 0.00	60.23 3.25 0.00	52.47 3.16 0.00	47.02 3.16 0.00
BAYONEEC___CTG5 323686	40.43 3.47 0.00	36.72 2.97 0.00	32.61 2.64 0.00	31.12 2.60 0.00	30.97 2.45 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.10 0.00	34.38 3.07 0.00	38.43 3.49 0.00	41.25 3.82 0.00	44.68 4.23 -0.16	47.40 4.39 -0.02	51.78 4.54 -0.01	57.78 4.48 0.00	61.94 4.74 0.00	77.25 6.18 0.00	73.06 5.54 0.00	66.68 4.71 0.00	60.23 3.25 0.00	52.47 3.16 0.00	47.02 3.16 0.00
BAYONEEC___CTG6 323687	40.43 3.47 0.00	36.72 2.97 0.00	32.61 2.64 0.00	31.12 2.60 0.00	30.97 2.45 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.10 0.00	34.38 3.07 0.00	38.43 3.49 0.00	41.25 3.82 0.00	44.68 4.23 -0.16	47.40 4.39 -0.02	51.78 4.54 -0.01	57.78 4.48 0.00	61.94 4.74 0.00	77.25 6.18 0.00	73.06 5.54 0.00	66.68 4.71 0.00	60.23 3.25 0.00	52.47 3.16 0.00	47.02 3.16 0.00
BAYONEEC___CTG7 323688	40.43 3.47 0.00	36.72 2.97 0.00	32.61 2.64 0.00	31.12 2.60 0.00	30.97 2.45 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.10 0.00	34.38 3.07 0.00	38.43 3.49 0.00	41.25 3.82 0.00	44.68 4.23 -0.16	47.40 4.39 -0.02	51.78 4.54 -0.01	57.78 4.48 0.00	61.94 4.74 0.00	77.25 6.18 0.00	73.06 5.54 0.00	66.68 4.71 0.00	60.23 3.25 0.00	52.47 3.16 0.00	47.02 3.16 0.00



BAYONEEC___CTG8 323689	40.43 3.47 0.00	36.72 2.97 0.00	32.61 2.64 0.00	31.12 2.60 0.00	30.97 2.45 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.10 0.00	34.38 3.07 0.00	38.43 3.49 0.00	41.25 3.82 0.00	44.68 4.23 -0.16	47.40 4.39 -0.02	51.78 4.54 -0.01	57.78 4.48 0.00	61.94 4.74 0.00	77.25 6.18 0.00	73.06 5.54 0.00	66.68 4.71 0.00	60.23 3.25 0.00	52.47 3.16 0.00	47.02 3.16 0.00
BAYONEEC___CTG9 323749	40.43 3.47 0.00	36.72 2.97 0.00	32.61 2.64 0.00	31.12 2.60 0.00	30.97 2.45 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.10 0.00	34.38 3.07 0.00	38.43 3.49 0.00	41.25 3.82 0.00	44.68 4.23 -0.16	47.40 4.39 -0.02	51.78 4.54 -0.01	57.78 4.48 0.00	61.94 4.74 0.00	77.25 6.18 0.00	73.06 5.54 0.00	66.68 4.71 0.00	60.23 3.25 0.00	52.47 3.16 0.00	47.02 3.16 0.00
BEACON___LESR 323632	38.32 1.37 0.00	34.86 1.11 0.00	30.93 0.96 0.00	29.49 0.97 0.00	29.46 0.94 0.00	28.97 0.95 0.00	28.83 0.92 0.00	29.13 0.82 0.00	29.01 0.79 0.00	31.16 0.82 0.00	32.10 0.78 0.00	35.85 0.91 0.00	38.25 0.82 0.00	41.11 0.97 0.15	44.01 1.03 0.02	48.32 1.09 0.01	54.57 1.28 0.00	58.74 1.54 0.00	73.34 2.27 0.00	69.61 2.10 0.00	63.77 1.80 0.00	58.23 1.25 0.00	50.55 1.23 0.00	44.91 1.05 0.00
BEAVER RIVER___HYD 24048	36.84 -0.11 0.00	33.79 0.03 0.00	29.97 0.00 0.00	28.52 0.00 0.00	28.57 0.06 0.00	28.19 0.17 0.00	27.91 0.00 0.00	28.20 -0.11 0.00	28.03 -0.20 0.00	30.16 -0.18 0.00	31.03 -0.28 0.00	34.42 -0.52 0.00	36.87 -0.56 0.00	39.52 -0.77 0.00	42.35 -0.64 0.00	46.67 -0.56 0.00	52.82 -0.48 0.00	57.14 -0.06 0.00	72.35 1.28 0.00	69.21 1.69 0.00	63.77 1.80 0.00	58.29 1.31 0.00	50.15 0.84 0.00	44.17 0.31 0.00
BEEBEE_GT_13 23619	37.14 0.18 0.00	33.82 0.07 0.00	30.00 0.03 0.00	28.32 -0.20 0.00	28.20 -0.31 0.00	27.62 -0.39 0.00	27.60 -0.31 0.00	28.17 -0.14 0.00	27.94 -0.28 0.00	30.34 0.00 0.00	31.56 0.25 0.00	35.36 0.42 0.00	37.73 0.30 0.00	40.49 0.20 0.00	43.29 0.30 0.00	47.75 0.52 0.00	54.26 0.96 0.00	58.11 0.92 0.00	72.13 1.07 0.00	68.06 0.54 0.00	62.66 0.68 0.00	57.78 0.80 0.00	49.90 0.59 0.00	44.34 0.48 0.00
BENSHRST_27_KV_BENSHRST_1 355998	40.99 4.03 -0.01	37.20 3.44 -0.01	33.07 3.09 -0.01	31.47 2.94 -0.01	31.40 2.88 -0.01	30.79 2.77 0.00	30.70 2.79 0.00	31.26 2.94 0.00	31.33 3.10 0.00	33.71 3.37 0.00	34.70 3.38 0.00	38.89 3.95 0.00	41.82 4.38 -0.01	45.41 4.96 -0.17	48.04 5.03 -0.02	52.30 5.05 -0.01	58.25 4.96 0.00	62.29 5.09 0.00	77.75 6.68 0.00	73.60 6.08 0.00	67.24 5.27 0.00	60.46 3.48 0.00	52.81 3.50 0.00	47.63 3.77 0.00
BETHLEHEM___GRP 23843	37.77 0.81 0.00	34.43 0.68 0.00	30.60 0.63 0.00	29.15 0.63 0.00	29.14 0.63 0.00	28.63 0.62 0.00	28.49 0.59 0.00	28.85 0.54 0.00	28.70 0.48 0.00	30.80 0.46 0.00	31.75 0.44 0.00	35.40 0.45 0.00	37.84 0.41 0.00	40.67 0.52 0.14	43.45 0.47 0.01	47.70 0.47 0.01	53.72 0.43 0.00	57.77 0.57 0.00	72.06 0.99 0.00	68.40 0.88 0.00	62.72 0.74 0.00	57.21 0.23 0.00	49.66 0.35 0.00	44.21 0.35 0.00
BETHLEHEM___GS1 323560	37.77 0.81 0.00	34.39 0.64 0.00	30.54 0.57 0.00	29.15 0.63 0.00	29.12 0.60 0.00	28.63 0.62 0.00	28.49 0.59 0.00	28.85 0.54 0.00	28.70 0.48 0.00	30.80 0.46 0.00	31.75 0.44 0.00	35.39 0.45 0.00	37.84 0.41 0.00	40.67 0.52 0.14	43.45 0.47 0.01	47.70 0.47 0.01	53.72 0.42 0.00	57.77 0.57 0.00	72.06 0.99 0.00	68.39 0.88 0.00	62.72 0.75 0.00	57.27 0.29 0.00	49.66 0.35 0.00	44.21 0.35 0.00
BETHLEHEM___GS2 323561	37.77 0.81 0.00	34.39 0.64 0.00	30.54 0.57 0.00	29.15 0.63 0.00	29.12 0.60 0.00	28.63 0.62 0.00	28.49 0.59 0.00	28.85 0.54 0.00	28.70 0.48 0.00	30.80 0.46 0.00	31.75 0.44 0.00	35.39 0.45 0.00	37.84 0.41 0.00	40.67 0.52 0.14	43.45 0.47 0.01	47.70 0.47 0.01	53.72 0.42 0.00	57.77 0.57 0.00	72.06 0.99 0.00	68.39 0.88 0.00	62.72 0.75 0.00	57.27 0.29 0.00	49.66 0.35 0.00	44.21 0.35 0.00
BETHLEHEM___GS3 323562	37.77 0.81 0.00	34.39 0.64 0.00	30.54 0.57 0.00	29.15 0.63 0.00	29.12 0.60 0.00	28.63 0.62 0.00	28.49 0.59 0.00	28.85 0.54 0.00	28.70 0.48 0.00	30.80 0.46 0.00	31.75 0.44 0.00	35.39 0.45 0.00	37.84 0.41 0.00	40.67 0.52 0.14	43.45 0.47 0.01	47.70 0.47 0.01	53.72 0.42 0.00	57.77 0.57 0.00	72.06 0.99 0.00	68.39 0.88 0.00	62.72 0.75 0.00	57.27 0.29 0.00	49.66 0.35 0.00	44.21 0.35 0.00
BETHLEHEM___STEEL 23779	36.81 -0.15 0.00	33.72 -0.03 0.00	29.91 -0.06 0.00	28.09 -0.43 0.00	27.95 -0.57 0.00	27.46 -0.56 0.00	27.52 -0.39 0.00	28.03 -0.28 0.00	27.77 -0.45 0.00	30.25 -0.09 0.00	31.56 0.25 0.00	35.33 0.38 0.00	37.58 0.15 0.00	40.25 -0.04 0.00	42.99 0.00 0.00	47.61 0.38 0.00	54.36 1.07 0.00	58.00 0.80 0.00	71.56 0.50 0.00	67.18 -0.34 0.00	61.97 0.00 0.00	56.87 -0.11 0.00	49.46 0.15 0.00	44.08 0.22 0.00
BETHLHEM_115KV_TB1 79974	37.84 0.89 0.00	34.53 0.78 0.00	30.66 0.69 0.00	29.21 0.68 0.00	29.20 0.68 0.00	28.72 0.70 0.00	28.55 0.64 0.00	28.91 0.59 0.00	28.79 0.56 0.00	30.89 0.55 0.00	31.81 0.50 0.00	35.50 0.56 0.00	37.96 0.52 0.00	40.80 0.64 0.13	43.62 0.64 0.01	47.84 0.61 0.01	53.94 0.64 0.00	57.88 0.69 0.00	72.27 1.21 0.00	68.60 1.08 0.00	62.90 0.93 0.00	57.38 0.40 0.00	49.80 0.49 0.00	44.34 0.48 0.00
BETHPAGE_CC_5 323564	41.17 4.21 -0.01	37.44 3.68 -0.01	33.22 3.24 -0.01	31.64 3.11 -0.01	31.49 2.97 -0.01	30.93 2.91 0.00	30.84 2.93 0.00	31.55 3.23 -0.01	31.59 3.36 -0.01	33.97 3.61 -0.01	45.51 3.44 -10.75	47.41 3.88 -8.59	52.14 4.19 -10.51	50.63 4.63 -5.71	54.29 4.73 -6.57	59.20 4.96 -7.01	69.44 5.17 -10.97	67.31 5.55 -4.57	80.17 7.25 -1.85	77.76 6.55 -3.70	70.26 5.58 -2.71	60.69 3.70 0.00	54.83 3.60 -1.92	47.32 3.46 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	36.77 -0.18 0.00	33.72 -0.03 0.00	29.91 -0.06 0.00	28.09 -0.43 0.00	27.95 -0.57 0.00	27.46 -0.56 0.00	27.52 -0.39 0.00	28.03 -0.28 0.00	27.80 -0.42 0.00	30.28 -0.06 0.00	31.60 0.28 0.00	35.36 0.42 0.00	37.66 0.22 0.00	40.33 0.04 0.00	43.04 0.04 0.00	47.71 0.47 0.00	54.47 1.17 0.00	58.17 0.97 0.00	71.71 0.64 0.00	67.32 -0.20 0.00	62.04 0.06 0.00	56.98 0.00 0.00	49.51 0.20 0.00	44.12 0.26 0.00
BINGHAMTON___COGEN 23790	37.47 0.52 0.00	34.26 0.51 0.00	30.39 0.42 0.00	28.84 0.31 0.00	28.83 0.31 0.00	28.30 0.28 0.00	28.24 0.33 0.00	28.68 0.37 0.00	28.51 0.28 0.00	30.74 0.39 0.00	31.75 0.44 0.00	35.47 0.52 0.00	37.96 0.52 0.00	40.81 0.52 0.00	43.64 0.64 0.00	48.09 0.85 0.00	54.47 1.17 0.00	58.28 1.09 0.00	72.56 1.49 0.00	68.80 1.28 0.00	63.21 1.24 0.00	57.78 0.80 0.00	49.90 0.59 0.00	44.43 0.57 0.00



BIXINCNT_115KV_LOAD 355685	36.58 -0.37 0.00	33.52 -0.24 0.00	29.70 -0.27 0.00	27.95 -0.57 0.00	27.83 -0.68 0.00	27.40 -0.62 0.00	27.46 -0.45 0.00	28.00 -0.31 0.00	27.83 -0.40 0.00	30.28 -0.06 0.00	31.63 0.31 0.00	35.33 0.38 0.00	37.69 0.26 0.00	40.37 0.08 0.00	43.21 0.21 0.00	47.90 0.66 0.00	54.68 1.39 0.00	58.34 1.14 0.00	71.99 0.92 0.00	67.65 0.14 0.00	62.35 0.37 0.00	57.15 0.17 0.00	49.51 0.20 0.00	44.12 0.26 0.00
BLACK RIVER___HYD 24047	37.32 0.37 0.00	34.29 0.54 0.00	30.39 0.42 0.00	28.87 0.34 0.00	28.95 0.43 0.00	28.55 0.53 0.00	28.21 0.31 0.00	28.45 0.14 0.00	28.20 -0.03 0.00	30.25 -0.09 0.00	31.03 -0.28 0.00	34.52 -0.42 0.00	36.94 -0.49 0.00	39.57 -0.72 0.00	42.48 -0.51 0.00	46.81 -0.43 0.00	52.98 -0.32 0.00	57.43 0.23 0.00	72.84 1.78 0.00	69.88 2.36 0.00	64.46 2.48 0.00	59.03 2.05 0.00	50.69 1.38 0.00	44.65 0.79 0.00
BLACKRVR_115KV_TB2 79977	37.32 0.37 0.00	34.29 0.54 0.00	30.39 0.42 0.00	28.86 0.34 0.00	28.92 0.40 0.00	28.55 0.53 0.00	28.21 0.31 0.00	28.45 0.14 0.00	28.20 -0.03 0.00	30.25 -0.09 0.00	31.03 -0.28 0.00	34.52 -0.42 0.00	36.94 -0.49 0.00	39.56 -0.73 0.00	42.48 -0.52 0.00	46.81 -0.43 0.00	52.98 -0.32 0.00	57.43 0.23 0.00	72.84 1.78 0.00	69.88 2.36 0.00	64.45 2.48 0.00	59.03 2.05 0.00	50.69 1.38 0.00	44.65 0.79 0.00
BLDWN_LI_69_KV_BK4 356085	41.24 4.29 0.00	37.47 3.71 0.00	33.33 3.36 0.00	31.72 3.19 0.00	31.63 3.11 0.00	31.04 3.03 0.00	30.92 3.01 0.00	31.57 3.26 0.00	31.61 3.39 0.00	34.00 3.64 -0.01	45.60 3.54 -10.75	47.55 4.02 -8.59	52.36 4.42 -10.51	51.32 4.92 -6.11	68.41 5.16 -20.26	63.24 5.48 -10.52	93.85 5.60 -34.95	77.68 5.95 -14.53	84.77 7.82 -5.88	86.37 7.09 -11.76	76.75 6.14 -8.64	61.39 4.39 -0.02	59.40 4.24 -5.85	47.94 4.08 0.00
BLISS_WT_PWR 323608	36.55 -0.41 0.00	33.55 -0.20 0.00	29.88 -0.09 0.00	27.89 -0.63 0.00	27.97 -0.54 0.00	27.40 -0.62 0.00	27.43 -0.47 0.00	28.00 -0.31 0.00	27.80 -0.42 0.00	30.28 -0.06 0.00	31.63 0.31 0.00	35.33 0.39 0.00	37.69 0.26 0.00	40.49 0.20 0.00	43.30 0.30 0.00	47.99 0.75 0.00	54.68 1.38 0.00	58.34 1.14 0.00	71.92 0.86 0.00	67.65 0.14 0.00	62.53 0.56 0.00	57.04 0.06 0.00	49.51 0.20 0.00	44.21 0.35 0.00
BLUESTONE___WT_PWR 323821	39.10 2.14 0.00	35.85 2.09 0.00	31.80 1.83 0.00	30.15 1.62 0.00	30.23 1.71 0.00	29.75 1.74 0.00	29.58 1.67 0.00	29.92 1.61 0.00	29.69 1.47 0.00	31.77 1.43 0.00	32.66 1.35 0.00	36.51 1.57 0.00	39.26 1.83 0.00	42.06 1.77 0.00	45.06 2.06 0.00	49.60 2.36 0.00	56.33 3.04 0.00	60.75 3.55 0.00	76.25 5.19 0.00	72.59 5.07 0.00	66.75 4.77 0.00	61.03 4.05 0.00	52.47 3.16 0.00	46.49 2.63 0.00
BLUE_CIRC_CHEM_DRP 24182	38.21 1.26 0.00	34.87 1.11 0.00	30.93 0.96 0.00	29.46 0.94 0.00	29.49 0.97 0.00	28.97 0.95 0.00	28.80 0.89 0.00	29.05 0.74 0.00	28.85 0.62 0.00	30.95 0.61 0.00	31.88 0.56 0.00	35.53 0.59 0.00	37.96 0.52 0.00	40.89 0.68 0.09	43.67 0.69 0.01	47.94 0.71 0.00	54.10 0.80 0.00	58.17 0.97 0.00	72.70 1.63 0.00	69.14 1.62 0.00	63.46 1.49 0.00	58.01 1.03 0.00	50.40 1.08 0.00	44.87 1.01 0.00
BOC_GAS_DRP 24189	38.02 1.07 0.00	34.66 0.91 0.00	30.81 0.84 0.00	29.38 0.86 0.00	29.37 0.86 0.00	28.86 0.84 0.00	28.74 0.84 0.00	29.10 0.79 0.00	28.99 0.76 0.00	31.10 0.76 0.00	32.07 0.75 0.00	35.78 0.84 0.00	38.29 0.86 0.00	41.22 1.01 0.08	44.02 1.03 0.01	48.27 1.04 0.00	54.36 1.07 0.00	58.34 1.14 0.00	72.70 1.63 0.00	69.00 1.49 0.00	63.28 1.30 0.00	57.78 0.80 0.00	50.10 0.79 0.00	44.65 0.79 0.00
BOONVILLE_115KV_TB1 79983	37.47 0.52 0.00	34.33 0.57 0.00	30.42 0.45 0.00	28.98 0.46 0.00	29.00 0.48 0.00	28.58 0.56 0.00	28.38 0.47 0.00	28.74 0.42 0.00	28.59 0.37 0.00	30.74 0.39 0.00	31.63 0.31 0.00	35.19 0.24 0.00	37.73 0.30 0.00	40.45 0.16 0.00	43.29 0.30 0.00	47.61 0.38 0.00	53.88 0.59 0.00	58.11 0.92 0.00	73.13 2.06 0.00	69.75 2.23 0.00	64.08 2.11 0.00	58.58 1.60 0.00	50.45 1.13 0.00	44.60 0.75 0.00
BORALEX_4TH_BRANCH 23824	40.09 3.14 0.00	36.49 2.73 0.00	32.37 2.40 0.00	30.86 2.34 0.00	30.83 2.31 0.00	30.29 2.27 0.00	30.14 2.23 0.00	30.77 2.46 0.00	30.59 2.37 0.00	32.56 2.21 0.00	33.44 2.13 0.00	37.18 2.24 0.00	39.75 2.32 0.00	41.84 2.50 0.95	45.47 2.58 0.10	49.88 2.69 0.04	56.71 3.41 0.00	61.26 4.06 0.00	76.33 5.26 0.00	72.85 5.33 0.00	66.81 4.83 0.00	60.80 3.82 0.00	52.76 3.45 0.00	46.89 3.03 0.00
BOWLINE___1 23526	39.87 2.92 0.00	36.29 2.53 0.00	32.16 2.19 0.00	30.69 2.17 0.00	30.57 2.05 0.00	30.09 2.07 0.00	30.00 2.09 0.00	30.55 2.24 0.00	30.60 2.37 0.00	32.86 2.52 0.00	33.82 2.51 0.00	37.77 2.83 0.00	40.61 3.18 0.00	43.94 3.50 -0.15	46.66 3.65 -0.02	51.02 3.78 -0.01	57.14 3.84 0.00	61.32 4.12 0.00	76.47 5.40 0.00	72.31 4.79 0.00	66.06 4.09 0.00	59.72 2.74 0.00	51.78 2.46 0.00	46.36 2.50 0.00
BOWLINE___2 23595	39.87 2.92 0.00	36.29 2.53 0.00	32.16 2.19 0.00	30.69 2.17 0.00	30.57 2.05 0.00	30.09 2.07 0.00	30.00 2.09 0.00	30.55 2.24 0.00	30.60 2.37 0.00	32.86 2.52 0.00	33.82 2.51 0.00	37.77 2.83 0.00	40.61 3.18 0.00	43.94 3.50 -0.15	46.66 3.65 -0.02	50.93 3.69 -0.01	57.03 3.73 0.00	61.20 4.00 0.00	76.33 5.26 0.00	72.17 4.66 0.00	65.94 3.97 0.00	59.66 2.68 0.00	51.73 2.42 0.00	46.31 2.45 0.00
BRADY___115KV_TB2 356060	36.69 -0.26 0.00	33.65 -0.10 0.00	29.91 -0.06 0.00	28.44 -0.09 0.00	28.46 -0.06 0.00	27.93 -0.08 0.00	27.74 -0.17 0.00	28.06 -0.25 0.00	27.94 -0.28 0.00	29.95 -0.39 0.00	31.03 -0.28 0.00	34.66 -0.28 0.00	37.24 -0.19 0.00	40.01 -0.28 0.00	42.78 -0.21 0.00	47.09 -0.14 0.00	53.03 -0.27 0.00	57.03 -0.17 0.00	71.07 0.00 0.00	67.99 0.47 0.00	62.66 0.68 0.00	58.29 1.31 0.00	50.35 1.04 0.00	44.52 0.66 0.00
BRANSCOMB___SOLAR 323811	39.25 2.29 0.00	35.71 1.96 0.00	31.62 1.65 0.00	30.09 1.57 0.00	30.08 1.57 0.00	29.58 1.57 0.00	29.41 1.51 0.00	29.70 1.39 0.00	29.44 1.21 0.00	31.49 1.15 0.00	32.32 1.00 0.00	36.06 1.12 0.00	38.37 0.94 0.00	41.00 1.05 0.34	44.16 1.20 0.04	48.50 1.28 0.02	55.00 1.71 0.00	59.43 2.23 0.00	74.55 3.48 0.00	71.10 3.58 0.00	65.38 3.41 0.00	59.83 2.85 0.00	51.92 2.61 0.00	46.09 2.24 0.00
BRDGHMPT_69_KV_BK1 55812	41.79 4.84 0.00	37.87 4.12 0.00	33.72 3.75 0.00	31.97 3.45 0.00	31.82 3.31 0.00	31.29 3.28 0.00	31.17 3.27 0.00	32.02 3.71 0.00	32.34 4.12 0.00	35.12 4.76 -0.01	46.83 4.76 -10.75	49.02 5.49 -8.59	53.97 6.03 -10.51	52.41 6.53 -5.59	63.01 6.62 -13.40	68.47 6.85 -14.38	64.54 7.30 -3.94	66.74 7.89 -1.65	95.15 10.30 -13.78	78.10 9.25 -1.33	70.69 7.75 -0.97	62.56 5.58 0.00	54.75 4.78 -0.65	49.08 5.22 0.00



BRENTWOD_69_KV_W. BRTWOOD 56703	41.68 4.73 0.00	37.84 4.08 0.00	33.69 3.72 0.00	32.00 3.48 0.00	31.85 3.34 0.00	31.29 3.28 0.00	31.14 3.24 0.00	31.88 3.57 0.00	31.95 3.73 0.00	34.39 4.04 -0.01	45.95 3.88 -10.75	47.90 4.37 -8.59	52.70 4.75 -10.51	51.13 5.24 -5.60	53.17 5.16 -5.02	106.49 5.48 -53.78	63.37 5.44 -4.64	64.97 5.83 -1.93	79.67 7.82 -0.79	76.14 7.02 -1.60	69.03 5.89 -1.17	60.91 3.93 0.00	53.89 3.80 -0.78	48.11 4.25 0.00
BRISTLHL_115KV_TB1 79998	36.44 -0.52 0.00	33.31 -0.44 0.00	29.55 -0.42 0.00	28.07 -0.46 0.00	28.06 -0.46 0.00	27.54 -0.48 0.00	27.46 -0.45 0.00	27.89 -0.42 0.00	27.72 -0.51 0.00	29.89 -0.46 0.00	30.75 -0.56 0.00	34.28 -0.66 0.00	36.72 -0.71 0.00	39.48 -0.81 0.00	42.18 -0.82 0.00	46.38 -0.85 0.00	52.39 -0.91 0.00	56.23 -0.97 0.00	70.07 -0.99 0.00	66.64 -0.88 0.00	61.11 -0.87 0.00	56.01 -0.97 0.00	48.47 -0.84 0.00	43.07 -0.79 0.00
BROOKHAVEN___DRP 24191	41.28 4.32 0.00	37.43 3.68 0.00	33.30 3.33 0.00	31.63 3.11 0.00	31.48 2.97 0.00	30.93 2.91 0.00	30.78 2.87 0.00	31.54 3.23 0.00	31.70 3.47 0.00	34.15 3.79 -0.01	45.67 3.60 -10.75	47.59 4.05 -8.59	52.44 4.49 -10.51	50.84 4.96 -5.59	61.22 4.90 -13.33	66.30 5.10 -13.97	62.44 5.22 -3.92	64.50 5.66 -1.64	91.85 7.53 -13.25	75.59 6.75 -1.32	68.57 5.64 -0.96	60.68 3.70 0.00	53.31 3.35 -0.65	47.67 3.82 0.00
BROOKLYN_NAVY_YARD 23515	40.43 3.47 0.00	36.76 3.00 0.00	32.61 2.64 0.00	31.14 2.62 0.00	30.97 2.45 0.00	30.51 2.49 0.00	30.50 2.60 0.00	31.09 2.78 0.00	31.13 2.91 0.00	33.47 3.13 0.00	34.38 3.07 0.00	38.43 3.49 0.00	41.29 3.86 0.00	44.72 4.27 -0.16	47.40 4.39 -0.02	51.82 4.58 -0.01	57.83 4.53 0.00	62.06 4.86 0.00	77.39 6.32 0.00	73.19 5.67 0.00	66.81 4.84 0.00	60.34 3.36 0.00	52.57 3.25 0.00	47.06 3.20 0.00
BROOKLYN___ARMY_DRP 323595	40.80 3.84 -0.01	37.03 3.27 -0.01	32.95 2.97 -0.01	31.35 2.82 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.58 2.68 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.41 3.55 0.00
BROOME_2_LFGE 323671	37.47 0.52 0.00	34.29 0.54 0.00	30.45 0.48 0.00	28.84 0.31 0.00	28.86 0.34 0.00	28.32 0.31 0.00	28.24 0.34 0.00	28.68 0.37 0.00	28.51 0.28 0.00	30.74 0.39 0.00	31.75 0.44 0.00	35.47 0.52 0.00	37.95 0.52 0.00	40.85 0.56 0.00	43.68 0.69 0.00	48.09 0.85 0.00	54.47 1.17 0.00	58.34 1.14 0.00	72.56 1.49 0.00	68.80 1.28 0.00	63.21 1.24 0.00	57.72 0.74 0.00	49.86 0.54 0.00	44.43 0.57 0.00
BROOME___LFGE 323600	37.47 0.52 0.00	34.29 0.54 0.00	30.45 0.48 0.00	28.84 0.31 0.00	28.86 0.34 0.00	28.32 0.31 0.00	28.24 0.34 0.00	28.68 0.37 0.00	28.51 0.28 0.00	30.74 0.39 0.00	31.75 0.44 0.00	35.47 0.52 0.00	37.95 0.52 0.00	40.85 0.56 0.00	43.68 0.69 0.00	48.09 0.85 0.00	54.47 1.17 0.00	58.34 1.14 0.00	72.56 1.49 0.00	68.80 1.28 0.00	63.21 1.24 0.00	57.72 0.74 0.00	49.86 0.54 0.00	44.43 0.57 0.00
BROWNFLS_115KV_TB 3_5 80003	36.58 -0.37 0.00	33.55 -0.20 0.00	29.79 -0.18 0.00	28.35 -0.17 0.00	28.37 -0.14 0.00	27.93 -0.08 0.00	27.71 -0.20 0.00	27.97 -0.34 0.00	27.86 -0.37 0.00	29.95 -0.39 0.00	30.91 -0.41 0.00	34.38 -0.56 0.00	36.91 -0.52 0.00	39.56 -0.73 0.00	42.39 -0.60 0.00	46.67 -0.57 0.00	52.71 -0.59 0.00	56.91 -0.29 0.00	71.56 0.50 0.00	68.46 0.95 0.00	63.03 1.05 0.00	58.01 1.03 0.00	50.05 0.74 0.00	44.12 0.26 0.00
BROWNSV1_27_KV_LOAD 356125	40.80 3.84 0.00	37.06 3.31 0.00	32.97 3.00 0.00	31.37 2.85 0.00	31.28 2.77 0.00	30.73 2.72 0.00	30.70 2.79 0.00	31.28 2.97 0.00	31.36 3.13 0.00	33.71 3.37 0.00	34.66 3.35 0.00	38.78 3.84 0.00	41.66 4.23 0.00	45.20 4.75 -0.16	47.91 4.90 -0.02	52.39 5.15 -0.01	58.47 5.17 0.00	62.57 5.38 0.00	78.17 7.11 0.00	73.93 6.41 0.00	67.55 5.58 0.00	60.91 3.93 0.00	53.06 3.75 0.00	47.54 3.68 0.00
BURROWS___LYONSDAL 23803	37.25 0.30 0.00	34.12 0.37 0.00	30.27 0.30 0.00	28.84 0.31 0.00	28.86 0.34 0.00	28.46 0.45 0.00	28.24 0.33 0.00	28.59 0.28 0.00	28.45 0.23 0.00	30.61 0.27 0.00	31.47 0.16 0.00	34.98 0.03 0.00	37.51 0.07 0.00	40.21 -0.08 0.00	43.04 0.04 0.00	47.38 0.14 0.00	53.62 0.32 0.00	57.83 0.63 0.00	72.91 1.85 0.00	69.61 2.09 0.00	64.02 2.05 0.00	58.46 1.48 0.00	50.30 0.99 0.00	44.43 0.57 0.00
CAITHNESS_CC_1 323624	41.25 4.28 -0.01	37.44 3.68 -0.01	33.25 3.27 -0.01	31.64 3.11 -0.01	31.43 2.91 -0.01	30.88 2.86 0.00	30.81 2.90 0.00	31.55 3.23 -0.01	31.67 3.44 -0.01	34.12 3.76 -0.01	45.63 3.57 -10.75	47.55 4.02 -8.59	52.36 4.41 -10.51	50.68 4.79 -5.59	60.97 4.73 -13.25	65.75 4.96 -13.55	62.27 5.07 -3.90	64.38 5.55 -1.63	91.12 7.32 -12.73	75.38 6.55 -1.32	68.39 5.45 -0.96	60.57 3.59 0.00	53.16 3.20 -0.65	47.24 3.38 0.00
CALPINE BETH_PAGE_GT4 24209	41.20 4.25 0.00	37.43 3.68 0.00	33.30 3.33 0.00	31.66 3.14 0.00	31.57 3.05 0.00	30.99 2.97 0.00	30.86 2.96 0.00	31.54 3.23 0.00	31.58 3.36 0.00	34.00 3.64 -0.01	45.48 3.41 -10.75	47.38 3.84 -8.59	52.14 4.19 -10.51	50.73 4.67 -5.77	56.08 4.82 -8.27	59.21 5.10 -6.88	72.53 5.22 -14.01	68.57 5.55 -5.83	80.82 7.39 -2.36	78.85 6.62 -4.72	71.07 5.64 -3.46	60.80 3.82 0.00	55.48 3.70 -2.47	47.59 3.73 0.00
CALPINE_BETH_PAGE_GT_4 323586	41.21 4.25 -0.01	37.44 3.68 -0.01	33.25 3.27 -0.01	31.67 3.14 -0.01	31.52 2.99 -0.01	30.96 2.94 0.00	30.86 2.96 0.00	31.55 3.23 -0.01	31.59 3.36 -0.01	33.97 3.61 -0.01	45.48 3.41 -10.75	47.38 3.84 -8.59	52.14 4.19 -10.51	50.69 4.63 -5.77	56.04 4.77 -8.27	59.17 5.06 -6.88	72.58 5.28 -14.01	68.69 5.66 -5.83	80.82 7.39 -2.36	78.86 6.62 -4.72	71.07 5.64 -3.46	60.80 3.82 0.00	55.49 3.70 -2.47	47.32 3.46 0.00
CALPINE_BP_GT1 23823	41.21 4.25 -0.01	37.44 3.68 -0.01	33.25 3.27 -0.01	31.67 3.14 -0.01	31.52 2.99 -0.01	30.96 2.94 0.00	30.86 2.96 0.00	31.55 3.23 -0.01	31.59 3.36 -0.01	33.97 3.61 -0.01	45.48 3.41 -10.75	47.38 3.84 -8.59	52.14 4.19 -10.51	50.69 4.63 -5.77	56.04 4.77 -8.27	59.17 5.06 -6.88	72.58 5.28 -14.01	68.69 5.66 -5.83	80.82 7.39 -2.36	78.86 6.62 -4.72	71.07 5.64 -3.46	60.80 3.82 0.00	55.49 3.70 -2.47	47.32 3.46 0.00
CALSPAN___DRP 24200	36.81 -0.15 0.00	33.72 -0.03 0.00	29.91 -0.06 0.00	28.09 -0.43 0.00	27.95 -0.57 0.00	27.46 -0.56 0.00	27.52 -0.39 0.00	28.03 -0.28 0.00	27.77 -0.45 0.00	30.25 -0.09 0.00	31.56 0.25 0.00	35.33 0.38 0.00	37.58 0.15 0.00	40.25 -0.04 0.00	42.99 0.00 0.00	47.61 0.38 0.00	54.36 1.07 0.00	58.00 0.80 0.00	71.56 0.50 0.00	67.18 -0.34 0.00	61.97 0.00 0.00	56.87 -0.11 0.00	49.46 0.15 0.00	44.08 0.22 0.00



CALVERTON___SOLAR 323806	41.32 4.36 -0.01	37.51 3.75 -0.01	33.28 3.30 -0.01	31.67 3.14 -0.01	31.46 2.94 -0.01	30.90 2.89 0.00	30.81 2.90 0.00	31.60 3.28 -0.01	31.73 3.50 -0.01	34.24 3.88 -0.01	45.76 3.69 -10.75	47.73 4.19 -8.59	52.58 4.64 -10.51	50.92 5.04 -5.59	61.38 5.03 -13.36	66.63 5.29 -14.11	62.72 5.49 -3.93	64.90 6.06 -1.64	92.48 7.96 -13.45	76.00 7.15 -1.33	68.89 5.95 -0.96	61.02 4.05 0.00	53.46 3.50 -0.65	47.50 3.64 0.00
CANDIGU_WT_PWR 323617	37.03 0.07 0.00	33.92 0.17 0.00	30.18 0.21 0.00	28.35 -0.17 0.00	28.40 -0.11 0.00	27.82 -0.19 0.00	27.77 -0.14 0.00	28.11 -0.20 0.00	27.80 -0.42 0.00	30.10 -0.24 0.00	31.28 -0.03 0.00	35.01 0.07 0.00	37.39 -0.04 0.00	40.17 -0.12 0.00	42.95 -0.04 0.00	47.47 0.24 0.00	53.89 0.59 0.00	57.71 0.51 0.00	71.70 0.64 0.00	68.06 0.54 0.00	62.90 0.93 0.00	57.44 0.45 0.00	49.66 0.35 0.00	44.43 0.57 0.00
CARR STREET_E_SYR 24060	36.88 -0.07 0.00	33.72 -0.03 0.00	29.91 -0.06 0.00	28.38 -0.14 0.00	28.37 -0.14 0.00	27.85 -0.17 0.00	27.77 -0.14 0.00	28.20 -0.11 0.00	28.06 -0.17 0.00	30.25 -0.09 0.00	31.13 -0.19 0.00	34.77 -0.17 0.00	37.21 -0.22 0.00	40.05 -0.24 0.00	42.78 -0.21 0.00	47.05 -0.19 0.00	53.24 -0.05 0.00	57.14 -0.06 0.00	71.14 0.07 0.00	67.59 0.07 0.00	61.97 0.00 0.00	56.81 -0.17 0.00	49.07 -0.25 0.00	43.64 -0.22 0.00
CARTHAGE___PAPER 23857	36.99 0.04 0.00	33.96 0.20 0.00	30.12 0.15 0.00	28.64 0.11 0.00	28.69 0.17 0.00	28.32 0.31 0.00	27.99 0.08 0.00	28.28 -0.03 0.00	28.06 -0.17 0.00	30.16 -0.18 0.00	30.97 -0.34 0.00	34.42 -0.52 0.00	36.83 -0.60 0.00	39.48 -0.81 0.00	42.35 -0.64 0.00	46.67 -0.56 0.00	52.82 -0.48 0.00	57.20 0.00 0.00	72.49 1.42 0.00	69.54 2.02 0.00	64.08 2.11 0.00	58.69 1.71 0.00	50.40 1.08 0.00	44.39 0.53 0.00
CASSADAGA_WT_PWR 323784	37.43 0.48 0.00	34.43 0.67 0.00	30.72 0.75 0.00	28.64 0.11 0.00	28.69 0.17 0.00	28.04 0.03 0.00	28.07 0.17 0.00	28.62 0.31 0.00	28.42 0.20 0.00	30.98 0.64 0.00	32.35 1.03 0.00	36.20 1.26 0.00	38.59 1.16 0.00	41.46 1.17 0.00	44.33 1.33 0.00	49.13 1.89 0.00	56.07 2.77 0.00	59.89 2.69 0.00	73.62 2.55 0.00	69.27 1.75 0.00	64.02 2.04 0.00	58.35 1.37 0.00	50.64 1.33 0.00	45.13 1.27 0.00
CE_DUNWOOD___DRP 24194	40.13 3.18 0.00	36.49 2.73 0.00	32.43 2.46 0.00	30.89 2.37 0.00	30.83 2.31 0.00	30.29 2.27 0.00	30.19 2.29 0.00	30.77 2.46 0.00	30.79 2.57 0.00	33.10 2.76 0.00	34.04 2.72 0.00	38.05 3.11 0.00	40.87 3.44 0.00	44.31 3.87 -0.16	47.01 4.00 -0.02	51.40 4.16 -0.01	57.56 4.26 0.00	61.66 4.46 0.00	77.04 5.97 0.00	72.85 5.33 0.00	66.62 4.65 0.00	60.12 3.13 0.00	52.17 2.86 0.00	46.75 2.89 0.00
CE_MILLWOOD___DRP 24193	40.02 3.07 0.00	36.39 2.63 0.00	32.37 2.40 0.00	30.83 2.31 0.00	30.74 2.22 0.00	30.23 2.21 0.00	30.14 2.23 0.00	30.69 2.38 0.00	30.71 2.48 0.00	32.98 2.64 0.00	33.94 2.63 0.00	37.95 3.00 0.00	40.76 3.33 0.00	44.19 3.75 -0.16	46.88 3.87 -0.02	51.26 4.01 -0.01	57.40 4.10 0.00	61.54 4.35 0.00	76.89 5.83 0.00	72.72 5.20 0.00	66.44 4.46 0.00	60.00 3.02 0.00	52.07 2.76 0.00	46.62 2.76 0.00
CE_NYC2_DRP 24202	40.58 3.62 -0.01	36.90 3.14 -0.01	32.80 2.82 -0.01	31.24 2.71 -0.01	31.18 2.65 -0.01	30.57 2.55 0.00	30.50 2.60 0.00	31.09 2.77 0.00	31.13 2.91 0.00	33.47 3.13 0.00	34.41 3.10 0.00	38.50 3.56 0.00	41.36 3.93 0.00	44.88 4.43 -0.16	47.48 4.47 -0.02	51.82 4.58 -0.01	57.72 4.42 0.00	61.77 4.58 0.00	77.18 6.11 0.00	72.99 5.47 0.00	66.68 4.71 0.00	60.06 3.08 0.00	52.47 3.16 0.00	47.19 3.33 0.00
CE_NYC_DRP 24195	40.50 3.55 0.00	36.79 3.04 0.00	32.73 2.76 0.00	31.17 2.65 0.00	31.08 2.57 0.00	30.54 2.52 0.00	30.50 2.60 0.00	31.11 2.80 0.00	31.13 2.91 0.00	33.50 3.16 0.00	34.41 3.10 0.00	38.47 3.53 0.00	41.32 3.89 0.00	44.84 4.39 -0.16	47.52 4.51 -0.02	51.92 4.68 -0.01	57.93 4.64 0.00	62.06 4.86 0.00	77.46 6.40 0.00	73.26 5.74 0.00	66.93 4.96 0.00	60.34 3.36 0.00	52.62 3.30 0.00	47.15 3.29 0.00
CHAFFEE___LFGE 323603	36.81 -0.15 0.00	33.79 0.03 0.00	30.18 0.21 0.00	28.09 -0.43 0.00	28.15 -0.37 0.00	27.51 -0.50 0.00	27.52 -0.39 0.00	28.06 -0.26 0.00	27.80 -0.42 0.00	30.31 -0.03 0.00	31.63 0.31 0.00	35.36 0.42 0.00	37.69 0.26 0.00	40.45 0.16 0.00	43.21 0.22 0.00	47.80 0.57 0.00	54.57 1.28 0.00	58.28 1.08 0.00	71.70 0.64 0.00	67.45 -0.07 0.00	62.35 0.37 0.00	56.93 -0.06 0.00	49.56 0.25 0.00	44.30 0.44 0.00
CHATEAUG_35_KV_LOAD 355732	36.18 -0.78 0.00	33.11 -0.64 0.00	29.40 -0.57 0.00	27.95 -0.57 0.00	27.95 -0.57 0.00	27.43 -0.59 0.00	27.29 -0.61 0.00	27.69 -0.62 0.00	27.60 -0.62 0.00	29.61 -0.73 0.00	30.72 -0.59 0.00	34.28 -0.66 0.00	36.83 -0.60 0.00	39.56 -0.73 0.00	42.35 -0.64 0.00	46.67 -0.57 0.00	52.66 -0.64 0.00	56.68 -0.51 0.00	70.50 -0.57 0.00	67.32 -0.20 0.00	61.97 0.00 0.00	57.55 0.57 0.00	49.61 0.30 0.00	43.86 0.00 0.00
CHATEAUG_WT_PWR 323614	36.21 -0.74 0.00	33.11 -0.64 0.00	29.40 -0.57 0.00	27.98 -0.54 0.00	27.97 -0.54 0.00	27.46 -0.56 0.00	27.35 -0.56 0.00	27.72 -0.60 0.00	27.63 -0.59 0.00	29.67 -0.67 0.00	30.78 -0.53 0.00	34.38 -0.56 0.00	36.94 -0.49 0.00	39.69 -0.60 0.00	42.43 -0.56 0.00	46.76 -0.47 0.00	52.76 -0.53 0.00	56.68 -0.52 0.00	70.50 -0.57 0.00	67.25 -0.27 0.00	61.91 -0.06 0.00	57.49 0.51 0.00	49.56 0.25 0.00	43.86 0.00 0.00
CHAT_HIGH_FALL_HYD 323578	36.18 -0.78 0.00	33.11 -0.64 0.00	29.40 -0.57 0.00	27.95 -0.57 0.00	27.95 -0.57 0.00	27.43 -0.59 0.00	27.29 -0.61 0.00	27.69 -0.62 0.00	27.60 -0.62 0.00	29.61 -0.73 0.00	30.72 -0.59 0.00	34.28 -0.66 0.00	36.83 -0.60 0.00	39.56 -0.73 0.00	42.35 -0.64 0.00	46.67 -0.57 0.00	52.66 -0.64 0.00	56.68 -0.51 0.00	70.50 -0.57 0.00	67.32 -0.20 0.00	61.97 0.00 0.00	57.55 0.57 0.00	49.61 0.30 0.00	43.86 0.00 0.00
CHAUTAUQUA___LFGE 323629	37.25 0.29 0.00	34.22 0.47 0.00	30.54 0.57 0.00	28.47 -0.06 0.00	28.52 0.00 0.00	27.88 -0.14 0.00	27.88 -0.03 0.00	28.43 0.11 0.00	28.20 -0.03 0.00	30.71 0.37 0.00	32.06 0.75 0.00	35.88 0.94 0.00	38.22 0.79 0.00	41.05 0.76 0.00	43.85 0.86 0.00	48.56 1.32 0.00	55.43 2.13 0.00	59.14 1.95 0.00	72.84 1.78 0.00	68.53 1.01 0.00	63.34 1.36 0.00	57.72 0.74 0.00	50.15 0.84 0.00	44.78 0.92 0.00
CHERRYST_13_KV_LD 356241	40.61 3.66 0.00	36.89 3.14 0.00	32.82 2.85 0.00	31.26 2.74 0.00	31.20 2.68 0.00	30.62 2.61 0.00	30.61 2.71 0.00	31.20 2.89 0.00	31.24 3.02 0.00	33.59 3.25 0.00	34.54 3.23 0.00	38.61 3.67 0.00	41.47 4.04 0.00	45.00 4.55 -0.16	47.70 4.69 -0.02	52.15 4.91 -0.01	58.20 4.90 0.00	62.29 5.09 0.00	77.75 6.68 0.00	73.53 6.01 0.00	67.24 5.27 0.00	60.57 3.59 0.00	52.76 3.45 0.00	47.32 3.46 0.00



CHESTROR_138KV_BK263 355645	39.58 2.62 0.00	36.01 2.26 0.00	32.01 2.04 0.00	30.49 1.97 0.00	30.43 1.91 0.00	29.92 1.91 0.00	29.80 1.90 0.00	30.32 2.01 0.00	30.31 2.09 0.00	32.56 2.21 0.00	33.47 2.16 0.00	37.42 2.48 0.00	40.20 2.77 0.00	43.53 3.10 -0.14	46.23 3.22 -0.01	50.64 3.40 -0.01	56.76 3.46 0.00	60.86 3.66 0.00	76.11 5.05 0.00	71.98 4.46 0.00	65.88 3.90 0.00	59.55 2.56 0.00	51.63 2.32 0.00	46.18 2.32 0.00
CH_MIDHUDSON___DRP 24192	39.80 2.85 0.00	36.22 2.46 0.00	32.19 2.22 0.00	30.69 2.17 0.00	30.63 2.11 0.00	30.09 2.07 0.00	29.97 2.07 0.00	30.49 2.18 0.00	30.48 2.26 0.00	32.68 2.34 0.00	33.60 2.29 0.00	37.53 2.59 0.00	40.35 2.92 0.00	43.67 3.30 -0.08	46.44 3.44 -0.01	50.88 3.64 0.00	57.08 3.78 0.00	61.32 4.12 0.00	76.68 5.61 0.00	72.52 5.00 0.00	66.37 4.40 0.00	60.00 3.02 0.00	52.02 2.71 0.00	46.49 2.63 0.00
CH_MISC_IPPS 23765	40.06 3.10 0.00	36.45 2.70 0.00	32.31 2.34 0.00	30.83 2.31 0.00	30.71 2.20 0.00	30.23 2.21 0.00	30.11 2.20 0.00	30.63 2.32 0.00	30.62 2.40 0.00	32.83 2.49 0.00	33.76 2.44 0.00	37.70 2.76 0.00	40.58 3.14 0.00	43.90 3.50 -0.10	46.74 3.74 -0.01	51.25 4.01 0.00	57.51 4.21 0.00	61.89 4.69 0.00	77.39 6.32 0.00	73.12 5.60 0.00	66.87 4.89 0.00	60.46 3.48 0.00	52.32 3.01 0.00	46.75 2.89 0.00
CH_RES_BVR_FALLS 23983	36.51 -0.44 0.00	33.38 -0.37 0.00	29.64 -0.33 0.00	28.24 -0.29 0.00	28.23 -0.29 0.00	27.76 -0.25 0.00	27.65 -0.25 0.00	28.08 -0.23 0.00	28.00 -0.23 0.00	30.07 -0.27 0.00	31.06 -0.25 0.00	34.66 -0.28 0.00	37.17 -0.26 0.00	40.01 -0.28 0.00	42.69 -0.30 0.00	46.95 -0.28 0.00	52.93 -0.37 0.00	56.80 -0.40 0.00	70.64 -0.42 0.00	67.18 -0.34 0.00	61.67 -0.31 0.00	56.81 -0.17 0.00	49.12 -0.20 0.00	43.64 -0.22 0.00
CH_RES_NIAGARA 23895	35.77 -1.18 0.00	32.77 -0.98 0.00	29.07 -0.90 0.00	27.30 -1.23 0.00	27.12 -1.40 0.00	26.64 -1.37 0.00	26.73 -1.17 0.00	27.32 -0.99 0.00	27.07 -1.16 0.00	29.46 -0.88 0.00	30.75 -0.56 0.00	34.35 -0.59 0.00	36.50 -0.94 0.00	39.04 -1.25 0.00	41.57 -1.42 0.00	46.01 -1.23 0.00	52.50 -0.80 0.00	56.05 -1.14 0.00	69.01 -2.06 0.00	64.68 -2.84 0.00	59.74 -2.23 0.00	54.93 -2.05 0.00	47.93 -1.38 0.00	42.76 -1.10 0.00
CH_RES_SYRACUSE 23985	37.03 0.07 0.00	33.89 0.14 0.00	30.06 0.09 0.00	28.52 0.00 0.00	28.52 0.00 0.00	27.99 -0.03 0.00	27.91 0.00 0.00	28.34 0.03 0.00	28.17 -0.06 0.00	30.37 0.03 0.00	31.28 -0.03 0.00	34.91 -0.03 0.00	37.39 -0.04 0.00	40.21 -0.08 0.00	42.99 0.00 0.00	47.33 0.09 0.00	53.51 0.21 0.00	57.43 0.23 0.00	71.57 0.50 0.00	68.00 0.48 0.00	62.35 0.37 0.00	57.15 0.17 0.00	49.36 0.05 0.00	43.90 0.04 0.00
CLINTON_WT_PWR 323605	36.21 -0.74 0.00	33.11 -0.64 0.00	29.40 -0.57 0.00	27.98 -0.54 0.00	27.97 -0.54 0.00	27.46 -0.56 0.00	27.35 -0.56 0.00	27.72 -0.60 0.00	27.63 -0.59 0.00	29.67 -0.67 0.00	30.78 -0.53 0.00	34.38 -0.56 0.00	36.94 -0.49 0.00	39.69 -0.60 0.00	42.43 -0.56 0.00	46.76 -0.47 0.00	52.76 -0.53 0.00	56.68 -0.52 0.00	70.50 -0.57 0.00	67.25 -0.27 0.00	61.91 -0.06 0.00	57.49 0.51 0.00	49.56 0.25 0.00	43.86 0.00 0.00
CLINTON___LFGE 323618	36.70 -0.26 0.00	33.58 -0.17 0.00	29.85 -0.12 0.00	28.38 -0.14 0.00	28.35 -0.17 0.00	27.82 -0.19 0.00	27.68 -0.22 0.00	28.08 -0.23 0.00	27.97 -0.25 0.00	30.04 -0.30 0.00	31.16 -0.16 0.00	34.84 -0.10 0.00	37.47 0.04 0.00	40.25 -0.04 0.00	43.04 0.04 0.00	47.42 0.19 0.00	53.57 0.27 0.00	57.54 0.35 0.00	71.70 0.64 0.00	68.46 0.94 0.00	63.09 1.12 0.00	58.64 1.65 0.00	50.45 1.14 0.00	44.56 0.70 0.00
COBBLENY_34_KV_TB1 80064	36.81 -0.15 0.00	33.75 0.00 0.00	29.94 -0.03 0.00	28.09 -0.43 0.00	27.95 -0.57 0.00	27.46 -0.56 0.00	27.52 -0.39 0.00	28.06 -0.25 0.00	27.80 -0.42 0.00	30.28 -0.06 0.00	31.63 0.31 0.00	35.36 0.42 0.00	37.69 0.26 0.00	40.33 0.04 0.00	43.08 0.09 0.00	47.75 0.52 0.00	54.58 1.28 0.00	58.23 1.03 0.00	71.78 0.71 0.00	67.45 -0.07 0.00	62.16 0.19 0.00	57.10 0.11 0.00	49.56 0.25 0.00	44.17 0.31 0.00
COFFEEN___115KV_TB3 355620	37.54 0.59 0.00	34.50 0.74 0.00	30.57 0.60 0.00	29.04 0.51 0.00	29.09 0.57 0.00	28.74 0.73 0.00	28.38 0.47 0.00	28.59 0.28 0.00	28.31 0.08 0.00	30.37 0.03 0.00	31.13 -0.19 0.00	34.66 -0.28 0.00	37.06 -0.37 0.00	39.65 -0.64 0.00	42.61 -0.39 0.00	47.00 -0.24 0.00	53.19 -0.11 0.00	57.66 0.46 0.00	73.27 2.20 0.00	70.36 2.84 0.00	64.95 2.97 0.00	59.55 2.56 0.00	51.04 1.73 0.00	44.91 1.05 0.00
COLDSPRG_115KV_BK1 355956	37.32 0.37 0.00	34.26 0.51 0.00	30.39 0.42 0.00	28.55 0.03 0.00	28.43 -0.09 0.00	27.93 -0.08 0.00	27.99 0.08 0.00	28.51 0.20 0.00	28.34 0.11 0.00	30.89 0.55 0.00	32.25 0.94 0.00	36.09 1.15 0.00	38.48 1.05 0.00	41.22 0.93 0.00	44.11 1.12 0.00	48.98 1.75 0.00	56.02 2.72 0.00	59.71 2.52 0.00	73.55 2.49 0.00	69.21 1.69 0.00	63.71 1.74 0.00	58.35 1.37 0.00	50.50 1.18 0.00	44.91 1.05 0.00
COLONIE_LFGE___ 323577	38.95 1.99 0.00	35.47 1.72 0.00	31.44 1.47 0.00	29.98 1.45 0.00	29.94 1.43 0.00	29.44 1.43 0.00	29.30 1.39 0.00	29.70 1.39 0.00	29.55 1.33 0.00	31.62 1.27 0.00	32.53 1.22 0.00	36.27 1.33 0.00	38.70 1.27 0.00	41.29 1.41 0.41	44.50 1.55 0.04	48.82 1.61 0.02	55.27 1.97 0.00	59.60 2.40 0.00	74.34 3.27 0.00	70.76 3.24 0.00	64.89 2.91 0.00	59.26 2.28 0.00	51.43 2.12 0.00	45.70 1.84 0.00
COOPERNY_115KV_TB1 80082	39.17 2.22 0.00	35.68 1.92 0.00	31.68 1.71 0.00	30.18 1.65 0.00	30.14 1.63 0.00	29.64 1.62 0.00	29.52 1.62 0.00	30.01 1.70 0.00	29.97 1.75 0.00	32.19 1.85 0.00	33.16 1.85 0.00	37.04 2.10 0.00	39.75 2.32 0.00	43.02 2.62 -0.11	45.71 2.71 -0.01	50.07 2.83 0.00	56.23 2.93 0.00	60.23 3.03 0.00	75.26 4.19 0.00	71.23 3.71 0.00	65.20 3.22 0.00	59.15 2.17 0.00	51.23 1.92 0.00	45.79 1.93 0.00
COPENHAGEN_WT_PWR 323753	37.25 0.29 0.00	34.22 0.47 0.00	30.33 0.36 0.00	28.81 0.29 0.00	28.86 0.34 0.00	28.46 0.45 0.00	28.16 0.25 0.00	28.40 0.09 0.00	28.14 -0.08 0.00	30.22 -0.12 0.00	31.00 -0.31 0.00	34.52 -0.42 0.00	36.94 -0.49 0.00	39.57 -0.72 0.00	42.43 -0.56 0.00	46.76 -0.47 0.00	52.93 -0.37 0.00	57.31 0.11 0.00	72.56 1.49 0.00	69.54 2.02 0.00	64.14 2.17 0.00	58.75 1.77 0.00	50.49 1.18 0.00	44.52 0.66 0.00
CORNELL_____ 23752	37.80 0.85 0.00	34.56 0.81 0.00	30.63 0.66 0.00	29.09 0.57 0.00	29.06 0.54 0.00	28.55 0.53 0.00	28.46 0.56 0.00	28.88 0.57 0.00	28.65 0.42 0.00	30.80 0.46 0.00	31.72 0.41 0.00	35.43 0.49 0.00	37.96 0.52 0.00	40.81 0.52 0.00	43.64 0.64 0.00	48.09 0.85 0.00	54.58 1.28 0.00	58.68 1.49 0.00	73.41 2.35 0.00	69.88 2.36 0.00	64.14 2.17 0.00	58.69 1.71 0.00	50.54 1.23 0.00	44.96 1.10 0.00



CORONA V_69_KV_TB1 355595	41.09 4.14 0.00	37.36 3.61 0.00	33.21 3.24 0.00	31.66 3.14 0.00	31.57 3.05 0.00	30.99 2.97 0.00	30.86 2.96 0.00	31.51 3.20 0.00	31.53 3.30 0.00	33.88 3.52 -0.01	45.54 3.48 -10.75	47.48 3.95 -8.59	52.25 4.30 -10.51	51.73 4.83 -6.61	87.43 5.07 -39.37	73.02 5.34 -20.45	126.85 5.60 -67.96	91.34 5.89 -28.25	90.24 7.75 -11.43	97.39 7.02 -22.85	84.91 6.14 -16.80	61.31 4.27 -0.05	64.24 4.24 -10.69	47.85 3.99 0.00
CORTLAND_115KV_TB3 80093	37.54 0.59 0.00	34.33 0.57 0.00	30.42 0.45 0.00	28.89 0.37 0.00	28.89 0.37 0.00	28.38 0.36 0.00	28.30 0.39 0.00	28.71 0.40 0.00	28.51 0.28 0.00	30.68 0.33 0.00	31.60 0.28 0.00	35.29 0.35 0.00	37.81 0.37 0.00	40.65 0.36 0.00	43.47 0.47 0.00	47.85 0.61 0.00	54.20 0.91 0.00	58.23 1.03 0.00	72.70 1.63 0.00	69.07 1.55 0.00	63.40 1.43 0.00	58.01 1.03 0.00	50.05 0.74 0.00	44.52 0.66 0.00
COXSACKIE__GT 23611	39.50 2.55 0.00	35.98 2.23 0.00	31.89 1.92 0.00	30.32 1.80 0.00	30.31 1.80 0.00	29.78 1.77 0.00	29.52 1.62 0.00	29.70 1.39 0.00	29.44 1.21 0.00	31.43 1.09 0.00	32.25 0.94 0.00	35.85 0.91 0.00	38.48 1.05 0.00	41.71 1.49 0.07	44.53 1.55 0.01	49.22 1.98 0.00	55.80 2.51 0.00	60.51 3.32 0.00	76.40 5.33 0.00	72.59 5.07 0.00	66.62 4.65 0.00	60.68 3.70 0.00	52.37 3.06 0.00	46.58 2.72 0.00
CPV_VALLEY__CC1 323721	39.28 2.33 0.00	35.78 2.03 0.00	31.74 1.77 0.00	30.29 1.77 0.00	30.20 1.68 0.00	29.70 1.68 0.00	29.61 1.70 0.00	30.13 1.81 0.00	30.12 1.89 0.00	32.34 2.00 0.00	33.29 1.97 0.00	37.18 2.24 0.00	39.90 2.47 0.00	43.20 2.78 -0.13	45.89 2.88 -0.01	50.22 2.98 -0.01	56.33 3.04 0.00	60.46 3.26 0.00	75.47 4.41 0.00	71.37 3.85 0.00	65.26 3.28 0.00	59.15 2.16 0.00	51.23 1.92 0.00	45.83 1.98 0.00
CPV_VALLEY__CC2 323722	39.28 2.33 0.00	35.78 2.03 0.00	31.74 1.77 0.00	30.29 1.77 0.00	30.20 1.68 0.00	29.70 1.68 0.00	29.61 1.70 0.00	30.13 1.81 0.00	30.12 1.89 0.00	32.34 2.00 0.00	33.29 1.97 0.00	37.18 2.24 0.00	39.90 2.47 0.00	43.20 2.78 -0.13	45.89 2.88 -0.01	50.22 2.98 -0.01	56.33 3.04 0.00	60.46 3.26 0.00	75.47 4.41 0.00	71.37 3.85 0.00	65.26 3.28 0.00	59.15 2.16 0.00	51.23 1.92 0.00	45.83 1.98 0.00
CRESCENT__HYD 24018	38.95 1.99 0.00	35.47 1.72 0.00	31.44 1.47 0.00	29.98 1.45 0.00	29.94 1.43 0.00	29.44 1.43 0.00	29.30 1.39 0.00	29.70 1.39 0.00	29.55 1.33 0.00	31.62 1.27 0.00	32.53 1.22 0.00	36.27 1.33 0.00	38.70 1.27 0.00	41.29 1.41 0.41	44.50 1.55 0.04	48.82 1.61 0.02	55.27 1.97 0.00	59.60 2.40 0.00	74.34 3.27 0.00	70.76 3.24 0.00	64.89 2.91 0.00	59.26 2.28 0.00	51.43 2.12 0.00	45.70 1.84 0.00
CRICKET__VALLEY_CC1 323756	39.50 2.55 0.00	35.91 2.16 0.00	31.89 1.92 0.00	30.46 1.94 0.00	30.37 1.85 0.00	29.89 1.88 0.00	29.75 1.84 0.00	30.32 2.01 0.00	30.26 2.03 0.00	32.37 2.03 0.00	33.29 1.97 0.00	37.11 2.17 0.00	39.83 2.40 0.00	39.44 2.62 3.46	45.34 2.71 0.36	49.87 2.79 0.15	56.28 2.98 0.00	60.57 3.37 0.00	75.55 4.48 0.00	71.64 4.12 0.00	65.57 3.59 0.00	59.43 2.45 0.00	51.58 2.27 0.00	46.05 2.19 0.00
CRICKET__VALLEY_CC2 323757	39.50 2.55 0.00	35.91 2.16 0.00	31.89 1.92 0.00	30.46 1.94 0.00	30.37 1.85 0.00	29.89 1.88 0.00	29.75 1.84 0.00	30.32 2.01 0.00	30.26 2.03 0.00	32.37 2.03 0.00	33.29 1.97 0.00	37.11 2.17 0.00	39.83 2.40 0.00	39.44 2.62 3.46	45.34 2.71 0.36	49.87 2.79 0.15	56.28 2.98 0.00	60.57 3.37 0.00	75.55 4.48 0.00	71.64 4.12 0.00	65.57 3.59 0.00	59.43 2.45 0.00	51.58 2.27 0.00	46.05 2.19 0.00
CRICKET__VALLEY_CC3 323758	39.50 2.55 0.00	35.91 2.16 0.00	31.89 1.92 0.00	30.46 1.94 0.00	30.37 1.85 0.00	29.89 1.88 0.00	29.75 1.84 0.00	30.32 2.01 0.00	30.26 2.03 0.00	32.37 2.03 0.00	33.29 1.97 0.00	37.11 2.17 0.00	39.83 2.40 0.00	39.44 2.62 3.46	45.34 2.71 0.36	49.87 2.79 0.15	56.28 2.98 0.00	60.57 3.37 0.00	75.55 4.48 0.00	71.64 4.12 0.00	65.57 3.59 0.00	59.43 2.45 0.00	51.58 2.27 0.00	46.05 2.19 0.00
CRUCIBLE_METL_DRP 24180	37.03 0.07 0.00	33.85 0.10 0.00	30.03 0.06 0.00	28.52 0.00 0.00	28.49 -0.03 0.00	27.99 -0.03 0.00	27.91 0.00 0.00	28.34 0.03 0.00	28.17 -0.06 0.00	30.37 0.03 0.00	31.28 -0.03 0.00	34.91 -0.03 0.00	37.39 -0.04 0.00	40.21 -0.08 0.00	42.95 -0.04 0.00	47.28 0.05 0.00	53.51 0.21 0.00	57.43 0.23 0.00	71.56 0.50 0.00	67.99 0.47 0.00	62.35 0.37 0.00	57.15 0.17 0.00	49.36 0.05 0.00	43.86 0.00 0.00
DAHOWA__HYDRO 323763	39.32 2.37 0.00	35.78 2.03 0.00	31.65 1.68 0.00	30.12 1.60 0.00	30.11 1.60 0.00	29.64 1.62 0.00	29.44 1.53 0.00	29.70 1.39 0.00	29.46 1.24 0.00	31.52 1.18 0.00	32.32 1.00 0.00	36.06 1.12 0.00	38.33 0.90 0.00	40.98 1.01 0.32	44.16 1.20 0.03	48.50 1.28 0.01	55.00 1.71 0.00	59.49 2.29 0.00	74.76 3.69 0.00	71.30 3.78 0.00	65.57 3.59 0.00	59.94 2.96 0.00	52.07 2.76 0.00	46.18 2.32 0.00
DANC__LFGE 323619	36.99 0.04 0.00	33.92 0.17 0.00	30.09 0.12 0.00	28.58 0.06 0.00	28.60 0.09 0.00	28.16 0.14 0.00	27.93 0.03 0.00	28.26 -0.06 0.00	28.00 -0.23 0.00	30.10 -0.24 0.00	30.94 -0.37 0.00	34.45 -0.49 0.00	36.87 -0.56 0.00	39.57 -0.72 0.00	42.39 -0.60 0.00	46.62 -0.62 0.00	52.71 -0.59 0.00	56.86 -0.34 0.00	71.57 0.50 0.00	68.46 0.94 0.00	62.96 0.99 0.00	57.72 0.74 0.00	49.75 0.44 0.00	44.04 0.18 0.00
DANSKAMMER__1 23586	40.06 3.10 0.00	36.45 2.70 0.00	32.31 2.34 0.00	30.83 2.31 0.00	30.71 2.20 0.00	30.23 2.21 0.00	30.11 2.20 0.00	30.63 2.32 0.00	30.62 2.40 0.00	32.83 2.49 0.00	33.76 2.44 0.00	37.70 2.76 0.00	40.58 3.14 0.00	43.90 3.50 -0.10	46.74 3.74 -0.01	51.25 4.01 0.00	57.51 4.21 0.00	61.89 4.69 0.00	77.39 6.32 0.00	73.12 5.60 0.00	66.87 4.89 0.00	60.46 3.48 0.00	52.32 3.01 0.00	46.75 2.89 0.00
DANSKAMMER__2 23589	40.06 3.10 0.00	36.45 2.70 0.00	32.31 2.34 0.00	30.83 2.31 0.00	30.71 2.20 0.00	30.23 2.21 0.00	30.11 2.20 0.00	30.63 2.32 0.00	30.62 2.40 0.00	32.83 2.49 0.00	33.76 2.44 0.00	37.70 2.76 0.00	40.58 3.14 0.00	43.90 3.50 -0.10	46.74 3.74 -0.01	51.25 4.01 0.00	57.51 4.21 0.00	61.89 4.69 0.00	77.39 6.32 0.00	73.12 5.60 0.00	66.87 4.89 0.00	60.46 3.48 0.00	52.32 3.01 0.00	46.75 2.89 0.00
DANSKAMMER__3 23590	40.06 3.10 0.00	36.45 2.70 0.00	32.31 2.34 0.00	30.83 2.31 0.00	30.71 2.20 0.00	30.23 2.21 0.00	30.11 2.20 0.00	30.63 2.32 0.00	30.62 2.40 0.00	32.83 2.49 0.00	33.76 2.44 0.00	37.70 2.76 0.00	40.58 3.14 0.00	43.90 3.50 -0.10	46.74 3.74 -0.01	51.25 4.01 0.00	57.51 4.21 0.00	61.89 4.69 0.00	77.39 6.32 0.00	73.12 5.60 0.00	66.87 4.89 0.00	60.46 3.48 0.00	52.32 3.01 0.00	46.75 2.89 0.00



DANSKAMMER___4 23591	40.06 3.10 0.00	36.45 2.70 0.00	32.31 2.34 0.00	30.83 2.31 0.00	30.71 2.20 0.00	30.23 2.21 0.00	30.11 2.20 0.00	30.63 2.32 0.00	30.62 2.40 0.00	32.83 2.49 0.00	33.76 2.44 0.00	37.70 2.76 0.00	40.58 3.14 0.00	43.90 3.50 -0.10	46.74 3.74 -0.01	51.25 4.01 0.00	57.51 4.21 0.00	61.89 4.69 0.00	77.39 6.32 0.00	73.12 5.60 0.00	66.87 4.89 0.00	60.46 3.48 0.00	52.32 3.01 0.00	46.75 2.89 0.00
DANSKAMMER___DIESEL 23592	40.06 3.10 0.00	36.42 2.67 0.00	32.37 2.40 0.00	30.83 2.31 0.00	30.77 2.25 0.00	30.23 2.21 0.00	30.11 2.20 0.00	30.63 2.32 0.00	30.62 2.40 0.00	32.83 2.49 0.00	33.76 2.44 0.00	37.70 2.76 0.00	40.58 3.14 0.00	43.98 3.59 -0.10	46.79 3.78 -0.01	51.25 4.01 0.00	57.51 4.21 0.00	61.77 4.58 0.00	77.39 6.32 0.00	73.12 5.60 0.00	66.87 4.90 0.00	60.46 3.48 0.00	52.32 3.01 0.00	46.80 2.94 0.00
DARBY___SOLAR 323810	39.25 2.29 0.00	35.71 1.96 0.00	31.59 1.62 0.00	30.09 1.57 0.00	30.08 1.57 0.00	29.58 1.57 0.00	29.38 1.48 0.00	29.67 1.36 0.00	29.46 1.24 0.00	31.49 1.15 0.00	32.32 1.00 0.00	36.06 1.12 0.00	38.33 0.90 0.00	40.96 1.01 0.34	44.16 1.20 0.04	48.50 1.28 0.02	55.00 1.71 0.00	59.43 2.23 0.00	74.62 3.55 0.00	71.16 3.64 0.00	65.44 3.47 0.00	59.83 2.85 0.00	51.92 2.61 0.00	46.09 2.24 0.00
DASHVILLE___HYD 23610	39.69 2.73 0.00	36.12 2.36 0.00	32.10 2.13 0.00	30.58 2.05 0.00	30.54 2.02 0.00	29.98 1.96 0.00	29.83 1.93 0.00	30.29 1.98 0.00	30.23 2.00 0.00	32.41 2.06 0.00	33.32 2.00 0.00	37.21 2.27 0.00	40.09 2.66 0.00	43.62 3.26 -0.06	46.14 3.14 -0.01	50.59 3.35 0.00	56.76 3.46 0.00	60.97 3.78 0.00	76.33 5.26 0.00	72.18 4.66 0.00	66.00 4.03 0.00	59.77 2.79 0.00	51.78 2.47 0.00	46.36 2.50 0.00
DELAWARE___LFGE 323621	38.58 1.63 0.00	35.24 1.49 0.00	31.26 1.29 0.00	29.78 1.25 0.00	29.83 1.31 0.00	29.33 1.32 0.00	29.19 1.28 0.00	29.59 1.27 0.00	29.44 1.21 0.00	31.62 1.27 0.00	32.57 1.25 0.00	36.37 1.43 0.00	39.00 1.57 0.00	41.98 1.69 0.00	44.80 1.81 0.00	49.17 1.94 0.00	55.43 2.13 0.00	59.49 2.29 0.00	74.19 3.13 0.00	70.49 2.97 0.00	64.70 2.73 0.00	59.03 2.05 0.00	51.04 1.73 0.00	45.44 1.58 0.00
DERFIELD_115KV_TB7 355931	37.25 0.30 0.00	34.02 0.27 0.00	30.21 0.24 0.00	28.75 0.23 0.00	28.77 0.26 0.00	28.27 0.25 0.00	28.16 0.25 0.00	28.54 0.23 0.00	28.45 0.23 0.00	30.55 0.21 0.00	31.50 0.19 0.00	35.15 0.21 0.00	37.66 0.22 0.00	40.53 0.24 0.00	43.25 0.26 0.00	47.47 0.24 0.00	53.56 0.27 0.00	57.48 0.29 0.00	71.56 0.50 0.00	67.99 0.47 0.00	62.41 0.43 0.00	57.27 0.28 0.00	49.56 0.25 0.00	44.08 0.22 0.00
DOGLEVILLE___HYD 23807	36.58 -0.37 0.00	33.45 -0.30 0.00	29.67 -0.30 0.00	28.27 -0.26 0.00	28.29 -0.23 0.00	27.85 -0.17 0.00	27.71 -0.20 0.00	28.11 -0.20 0.00	28.03 -0.20 0.00	30.07 -0.27 0.00	30.97 -0.34 0.00	34.56 -0.38 0.00	37.02 -0.41 0.00	39.81 -0.48 0.00	42.39 -0.60 0.00	46.57 -0.66 0.00	52.55 -0.75 0.00	56.51 -0.69 0.00	70.50 -0.57 0.00	67.11 -0.41 0.00	61.66 -0.31 0.00	56.81 -0.17 0.00	49.11 -0.20 0.00	43.68 -0.18 0.00
DUNKIRK__115KV_TB_200 55889	37.17 0.22 0.00	34.09 0.34 0.00	30.24 0.27 0.00	28.41 -0.11 0.00	28.26 -0.26 0.00	27.79 -0.22 0.00	27.85 -0.06 0.00	28.37 0.06 0.00	28.17 -0.06 0.00	30.68 0.33 0.00	32.03 0.72 0.00	35.81 0.87 0.00	38.14 0.71 0.00	40.85 0.56 0.00	43.68 0.69 0.00	48.42 1.18 0.00	55.32 2.03 0.00	58.97 1.77 0.00	72.77 1.71 0.00	68.33 0.81 0.00	62.97 0.99 0.00	57.78 0.80 0.00	50.10 0.79 0.00	44.60 0.75 0.00
DUNKIRK___1 23563	37.17 0.22 0.00	34.09 0.34 0.00	30.24 0.27 0.00	28.41 -0.11 0.00	28.26 -0.26 0.00	27.79 -0.22 0.00	27.85 -0.06 0.00	28.37 0.06 0.00	28.17 -0.06 0.00	30.68 0.33 0.00	32.03 0.72 0.00	35.81 0.87 0.00	38.14 0.71 0.00	40.85 0.56 0.00	43.68 0.69 0.00	48.42 1.18 0.00	55.32 2.03 0.00	58.97 1.77 0.00	72.77 1.71 0.00	68.33 0.81 0.00	62.97 0.99 0.00	57.78 0.80 0.00	50.10 0.79 0.00	44.60 0.75 0.00
DUNKIRK___2 23564	37.17 0.22 0.00	34.09 0.34 0.00	30.24 0.27 0.00	28.41 -0.11 0.00	28.26 -0.26 0.00	27.79 -0.22 0.00	27.85 -0.06 0.00	28.37 0.06 0.00	28.17 -0.06 0.00	30.68 0.33 0.00	32.03 0.72 0.00	35.81 0.87 0.00	38.14 0.71 0.00	40.85 0.56 0.00	43.68 0.69 0.00	48.42 1.18 0.00	55.32 2.03 0.00	58.97 1.77 0.00	72.77 1.71 0.00	68.33 0.81 0.00	62.97 0.99 0.00	57.78 0.80 0.00	50.10 0.79 0.00	44.60 0.75 0.00
DUNKIRK___3 23565	36.95 0.00 0.00	33.89 0.14 0.00	30.06 0.09 0.00	28.24 -0.29 0.00	28.12 -0.40 0.00	27.62 -0.39 0.00	27.65 -0.25 0.00	28.20 -0.11 0.00	27.97 -0.25 0.00	30.46 0.12 0.00	31.78 0.47 0.00	35.53 0.59 0.00	37.88 0.45 0.00	40.57 0.28 0.00	43.34 0.34 0.00	48.04 0.80 0.00	54.90 1.60 0.00	58.51 1.32 0.00	72.20 1.14 0.00	67.79 0.27 0.00	62.47 0.50 0.00	57.32 0.34 0.00	49.71 0.39 0.00	44.30 0.44 0.00
DUNKIRK___4 23566	36.95 0.00 0.00	33.89 0.14 0.00	30.06 0.09 0.00	28.24 -0.29 0.00	28.12 -0.40 0.00	27.62 -0.39 0.00	27.65 -0.25 0.00	28.20 -0.11 0.00	27.97 -0.25 0.00	30.46 0.12 0.00	31.78 0.47 0.00	35.53 0.59 0.00	37.88 0.45 0.00	40.57 0.28 0.00	43.34 0.34 0.00	48.04 0.80 0.00	54.90 1.60 0.00	58.51 1.32 0.00	72.20 1.14 0.00	67.79 0.27 0.00	62.47 0.50 0.00	57.32 0.34 0.00	49.71 0.39 0.00	44.30 0.44 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	40.24 3.29 0.00	36.55 2.80 0.00	32.52 2.55 0.00	30.97 2.45 0.00	30.88 2.37 0.00	30.34 2.33 0.00	30.28 2.37 0.00	30.86 2.55 0.00	30.91 2.68 0.00	33.19 2.85 0.00	34.16 2.85 0.00	38.19 3.25 0.00	41.02 3.59 0.00	44.48 4.03 -0.16	47.18 4.17 -0.02	51.59 4.35 -0.01	57.72 4.42 0.00	61.83 4.63 0.00	77.25 6.18 0.00	73.06 5.54 0.00	66.81 4.83 0.00	60.29 3.30 0.00	52.32 3.01 0.00	46.84 2.98 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	39.80 2.85 0.00	36.22 2.46 0.00	32.19 2.22 0.00	30.63 2.11 0.00	30.60 2.08 0.00	30.06 2.05 0.00	29.94 2.04 0.00	30.46 2.15 0.00	30.45 2.23 0.00	32.68 2.34 0.00	33.63 2.32 0.00	37.56 2.62 0.00	40.39 2.96 0.00	43.75 3.34 -0.12	46.49 3.48 -0.01	50.92 3.68 -0.01	57.14 3.84 0.00	61.32 4.12 0.00	76.68 5.61 0.00	72.52 5.00 0.00	66.31 4.34 0.00	59.95 2.96 0.00	51.93 2.61 0.00	46.45 2.59 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	40.66 3.70 -0.01	36.97 3.21 -0.01	32.83 2.85 -0.01	31.27 2.74 -0.01	31.21 2.68 -0.01	30.54 2.52 0.00	30.39 2.48 0.00	30.94 2.63 0.00	31.02 2.79 0.00	33.32 2.97 0.00	34.26 2.94 0.00	38.37 3.42 0.00	41.21 3.78 0.00	44.76 4.31 -0.16	47.27 4.26 -0.02	51.59 4.35 -0.01	57.46 4.16 0.00	61.49 4.29 0.00	76.82 5.76 0.00	72.72 5.20 0.00	66.44 4.46 0.00	59.83 2.85 0.00	52.32 3.01 0.00	47.24 3.38 0.00



E179THST_13_KV_LOAD 356214	40.88 3.92 -0.01	37.14 3.38 -0.01	32.98 3.00 -0.01	31.41 2.88 -0.01	31.35 2.82 -0.01	30.68 2.66 0.00	30.53 2.62 0.00	31.11 2.80 0.00	31.16 2.94 0.00	33.50 3.16 0.00	34.44 3.13 0.00	38.57 3.63 0.00	41.44 4.01 0.00	45.00 4.55 -0.16	47.57 4.56 -0.02	51.87 4.63 -0.01	57.83 4.53 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.87 4.90 0.00	60.17 3.19 0.00	52.67 3.35 0.00	47.50 3.64 0.00
EAST HAMPTON___GT 23717	41.76 4.80 -0.01	37.84 4.08 -0.01	33.61 3.63 -0.01	31.92 3.39 -0.01	31.75 3.22 -0.01	31.24 3.22 0.00	31.20 3.29 0.00	32.14 3.82 -0.01	32.58 4.34 -0.01	35.58 5.22 -0.01	47.32 5.26 -10.75	49.65 6.11 -8.59	54.57 6.63 -10.51	52.85 6.97 -5.59	63.45 7.05 -13.40	68.77 7.13 -14.40	64.80 7.57 -3.94	67.20 8.35 -1.65	95.52 10.66 -13.80	78.50 9.65 -1.33	70.94 8.00 -0.97	63.01 6.04 0.00	55.14 5.18 -0.65	49.34 5.48 0.00
EAST RIVER___6 23660	40.58 3.62 0.00	36.86 3.10 0.00	32.70 2.73 0.00	31.23 2.71 0.00	31.05 2.54 0.00	30.57 2.55 0.00	30.56 2.65 0.00	31.17 2.86 0.00	31.19 2.96 0.00	33.53 3.19 0.00	34.44 3.13 0.00	38.51 3.57 0.00	41.36 3.93 0.00	44.84 4.39 -0.16	47.56 4.56 -0.02	52.01 4.77 -0.01	58.04 4.74 0.00	62.23 5.03 0.00	77.53 6.47 0.00	73.26 5.74 0.00	66.93 4.96 0.00	60.40 3.42 0.00	52.62 3.30 0.00	47.15 3.29 0.00
EAST RIVER___7 23524	40.58 3.62 0.00	36.86 3.10 0.00	32.70 2.73 0.00	31.23 2.71 0.00	31.05 2.54 0.00	30.57 2.55 0.00	30.56 2.65 0.00	31.17 2.86 0.00	31.19 2.96 0.00	33.53 3.19 0.00	34.44 3.13 0.00	38.51 3.57 0.00	41.36 3.93 0.00	44.84 4.39 -0.16	47.56 4.56 -0.02	52.01 4.77 -0.01	58.04 4.74 0.00	62.23 5.03 0.00	77.53 6.47 0.00	73.26 5.74 0.00	66.93 4.96 0.00	60.40 3.42 0.00	52.62 3.30 0.00	47.15 3.29 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	40.13 3.18 0.00	36.49 2.73 0.00	32.43 2.46 0.00	30.89 2.37 0.00	30.83 2.31 0.00	30.29 2.27 0.00	30.19 2.29 0.00	30.77 2.46 0.00	30.79 2.57 0.00	33.10 2.76 0.00	34.04 2.72 0.00	38.05 3.11 0.00	40.87 3.44 0.00	44.31 3.87 -0.16	47.01 4.00 -0.02	51.40 4.16 -0.01	57.56 4.26 0.00	61.66 4.46 0.00	77.04 5.97 0.00	72.85 5.33 0.00	66.62 4.65 0.00	60.12 3.13 0.00	52.17 2.86 0.00	46.75 2.89 0.00
EAST_HAMPTON___DIESEL 23722	41.69 4.73 -0.01	37.78 4.01 -0.01	33.55 3.56 -0.01	31.87 3.34 -0.01	31.69 3.17 -0.01	31.18 3.16 0.00	31.14 3.24 0.00	32.09 3.77 -0.01	32.55 4.32 -0.01	35.54 5.19 -0.01	47.32 5.26 -10.75	49.65 6.11 -8.59	54.57 6.63 -10.51	52.82 6.93 -5.59	63.41 7.01 -13.40	68.67 7.04 -14.40	64.70 7.46 -3.94	67.09 8.24 -1.65	95.38 10.52 -13.80	78.37 9.52 -1.33	70.81 7.87 -0.97	62.90 5.93 0.00	55.04 5.08 -0.65	49.30 5.44 0.00
EAST_POINT___SOLAR 323840	40.58 3.62 0.00	36.92 3.17 0.00	32.64 2.67 0.00	31.00 2.48 0.00	31.03 2.51 0.00	30.51 2.49 0.00	29.80 1.90 0.00	29.39 1.08 0.00	28.93 0.71 0.00	31.13 0.79 0.00	32.00 0.69 0.00	35.43 0.49 0.00	37.43 0.00 0.00	40.09 -0.04 0.16	43.19 0.22 0.02	47.51 0.29 0.01	53.94 0.64 0.00	58.45 1.26 0.00	74.41 3.34 0.00	73.19 5.67 0.00	68.36 6.38 0.00	62.51 5.53 0.00	54.24 4.93 0.00	47.94 4.08 0.00
EAST_PULASKI___ESR 323781	36.81 -0.15 0.00	33.69 -0.07 0.00	29.88 -0.09 0.00	28.38 -0.14 0.00	28.37 -0.14 0.00	27.90 -0.11 0.00	27.74 -0.17 0.00	28.14 -0.17 0.00	27.91 -0.31 0.00	30.04 -0.30 0.00	30.88 -0.44 0.00	34.45 -0.49 0.00	36.87 -0.56 0.00	39.60 -0.69 0.00	42.35 -0.64 0.00	46.57 -0.66 0.00	52.50 -0.80 0.00	56.51 -0.68 0.00	70.64 -0.42 0.00	67.32 -0.20 0.00	61.85 -0.12 0.00	56.70 -0.28 0.00	49.12 -0.20 0.00	43.64 -0.22 0.00
EAST_RIVER___1 323558	40.50 3.55 0.00	36.82 3.07 0.00	32.67 2.70 0.00	31.17 2.65 0.00	31.03 2.51 0.00	30.54 2.52 0.00	30.50 2.60 0.00	31.12 2.80 0.00	31.13 2.91 0.00	33.47 3.13 0.00	34.41 3.10 0.00	38.47 3.53 0.00	41.32 3.89 0.00	44.76 4.31 -0.16	47.48 4.47 -0.02	51.87 4.63 -0.01	57.93 4.63 0.00	62.17 4.97 0.00	77.53 6.47 0.00	73.26 5.74 0.00	66.93 4.96 0.00	60.40 3.42 0.00	52.62 3.30 0.00	47.10 3.25 0.00
EAST_RIVER___2 323559	40.58 3.62 0.00	36.86 3.10 0.00	32.70 2.73 0.00	31.23 2.71 0.00	31.05 2.54 0.00	30.57 2.55 0.00	30.56 2.65 0.00	31.17 2.86 0.00	31.19 2.96 0.00	33.53 3.19 0.00	34.44 3.13 0.00	38.51 3.57 0.00	41.36 3.93 0.00	44.84 4.39 -0.16	47.56 4.56 -0.02	52.01 4.77 -0.01	58.04 4.74 0.00	62.23 5.03 0.00	77.53 6.47 0.00	73.26 5.74 0.00	66.93 4.96 0.00	60.40 3.42 0.00	52.62 3.30 0.00	47.15 3.29 0.00
EAST___DELAWARE_HYD 23607	39.54 2.59 0.00	36.05 2.30 0.00	31.92 1.95 0.00	30.43 1.91 0.00	30.34 1.83 0.00	29.86 1.85 0.00	29.75 1.84 0.00	30.24 1.93 0.00	30.20 1.98 0.00	32.37 2.03 0.00	33.29 1.97 0.00	37.18 2.24 0.00	40.05 2.62 0.00	43.29 2.90 -0.10	46.10 3.10 -0.01	50.59 3.35 0.00	56.87 3.57 0.00	61.20 4.00 0.00	76.68 5.61 0.00	72.45 4.93 0.00	66.25 4.27 0.00	59.94 2.96 0.00	51.78 2.46 0.00	46.23 2.37 0.00
EIGHT_POINT___WT_PWR 323820	37.25 0.29 0.00	34.12 0.37 0.00	30.36 0.39 0.00	28.49 -0.03 0.00	28.55 0.03 0.00	27.96 -0.06 0.00	27.91 0.00 0.00	28.28 -0.03 0.00	27.91 -0.31 0.00	30.25 -0.09 0.00	31.47 0.16 0.00	35.25 0.31 0.00	37.69 0.26 0.00	40.49 0.20 0.00	43.33 0.34 0.00	47.90 0.66 0.00	54.42 1.12 0.00	58.34 1.14 0.00	72.70 1.64 0.00	69.14 1.62 0.00	63.83 1.86 0.00	58.35 1.37 0.00	50.40 1.08 0.00	45.04 1.18 0.00
ELBRIDGE_115KV_TB2 80188	36.88 -0.07 0.00	33.72 -0.03 0.00	29.91 -0.06 0.00	28.41 -0.11 0.00	28.37 -0.14 0.00	27.88 -0.14 0.00	27.77 -0.14 0.00	28.23 -0.08 0.00	28.05 -0.17 0.00	30.25 -0.09 0.00	31.16 -0.16 0.00	34.77 -0.17 0.00	37.21 -0.22 0.00	40.05 -0.24 0.00	42.78 -0.21 0.00	47.05 -0.19 0.00	53.30 0.00 0.00	57.14 -0.06 0.00	71.21 0.14 0.00	67.65 0.14 0.00	62.04 0.06 0.00	56.87 -0.11 0.00	49.11 -0.20 0.00	43.68 -0.18 0.00
ELEC_TRO_TEK 24086	40.83 3.88 0.00	37.13 3.38 0.00	33.00 3.03 0.00	31.43 2.91 0.00	31.37 2.85 0.00	30.79 2.77 0.00	30.70 2.79 0.00	31.34 3.03 0.00	31.36 3.13 0.00	33.66 3.31 -0.01	45.29 3.23 -10.75	47.17 3.63 -8.59	51.95 4.01 -10.51	50.75 4.43 -6.03	65.58 4.64 -17.95	61.42 4.87 -9.32	89.27 5.01 -30.96	75.33 5.26 -12.87	83.24 6.96 -5.21	84.21 6.28 -10.42	75.08 5.45 -7.65	60.71 3.70 -0.02	58.04 3.70 -5.03	47.46 3.60 0.00
ELLENBURG_WT_PWR 323604	36.21 -0.74 0.00	33.11 -0.64 0.00	29.40 -0.57 0.00	27.98 -0.54 0.00	27.97 -0.54 0.00	27.46 -0.56 0.00	27.35 -0.56 0.00	27.72 -0.60 0.00	27.63 -0.59 0.00	29.67 -0.67 0.00	30.78 -0.53 0.00	34.38 -0.56 0.00	36.94 -0.49 0.00	39.69 -0.60 0.00	42.43 -0.56 0.00	46.76 -0.47 0.00	52.76 -0.53 0.00	56.68 -0.52 0.00	70.50 -0.57 0.00	67.25 -0.27 0.00	61.91 -0.06 0.00	57.49 0.51 0.00	49.56 0.25 0.00	43.86 0.00 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	36.66 -0.30 0.00	33.62 -0.14 0.00	29.82 -0.15 0.00	28.01 -0.51 0.00	27.83 -0.68 0.00	27.34 -0.67 0.00	27.43 -0.47 0.00	27.97 -0.34 0.00	27.72 -0.51 0.00	30.16 -0.18 0.00	31.50 0.19 0.00	35.19 0.24 0.00	37.47 0.04 0.00	40.09 -0.20 0.00	42.78 -0.21 0.00	47.38 0.14 0.00	54.10 0.80 0.00	57.77 0.57 0.00	71.21 0.14 0.00	66.84 -0.68 0.00	61.66 -0.31 0.00	56.64 -0.34 0.00	49.21 -0.10 0.00	43.90 0.04 0.00
EMPIRE_CC_1 323656	38.10 1.15 0.00	34.70 0.94 0.00	30.84 0.87 0.00	29.43 0.91 0.00	29.37 0.85 0.00	28.89 0.87 0.00	28.74 0.84 0.00	29.10 0.79 0.00	28.99 0.76 0.00	31.07 0.73 0.00	32.03 0.72 0.00	35.71 0.77 0.00	38.22 0.79 0.00	41.22 0.93 0.00	43.90 0.90 0.00	48.18 0.94 0.00	54.26 0.96 0.00	58.34 1.14 0.00	72.70 1.64 0.00	69.07 1.55 0.00	63.28 1.30 0.00	57.78 0.80 0.00	50.15 0.84 0.00	44.65 0.79 0.00
EMPIRE_CC_2 323658	38.10 1.15 0.00	34.70 0.94 0.00	30.84 0.87 0.00	29.43 0.91 0.00	29.37 0.85 0.00	28.89 0.87 0.00	28.74 0.84 0.00	29.10 0.79 0.00	28.99 0.76 0.00	31.07 0.73 0.00	32.03 0.72 0.00	35.71 0.77 0.00	38.22 0.79 0.00	41.22 0.93 0.00	43.90 0.90 0.00	48.18 0.94 0.00	54.26 0.96 0.00	58.34 1.14 0.00	72.70 1.64 0.00	69.07 1.55 0.00	63.28 1.30 0.00	57.78 0.80 0.00	50.15 0.84 0.00	44.65 0.79 0.00
ENORWICH_115KV_TB1 80156	39.47 2.51 0.00	36.25 2.50 0.00	32.10 2.13 0.00	30.46 1.94 0.00	30.51 2.00 0.00	30.12 2.10 0.00	29.89 1.98 0.00	30.15 1.84 0.00	29.80 1.58 0.00	31.83 1.49 0.00	32.63 1.32 0.00	36.48 1.54 0.00	39.23 1.80 0.00	41.98 1.69 0.00	44.97 1.98 0.00	49.64 2.41 0.00	56.60 3.30 0.00	61.20 4.00 0.00	77.32 6.25 0.00	73.93 6.41 0.00	67.99 6.01 0.00	62.28 5.30 0.00	53.40 4.09 0.00	47.19 3.33 0.00
ERIE_ST__34_KV_TB1-2 80199	36.66 -0.30 0.00	33.58 -0.17 0.00	29.79 -0.18 0.00	27.98 -0.54 0.00	27.83 -0.68 0.00	27.34 -0.67 0.00	27.40 -0.50 0.00	27.89 -0.42 0.00	27.69 -0.54 0.00	30.16 -0.18 0.00	31.50 0.19 0.00	35.26 0.31 0.00	37.58 0.15 0.00	40.21 -0.08 0.00	42.99 0.00 0.00	47.71 0.47 0.00	54.47 1.17 0.00	58.17 0.97 0.00	71.64 0.57 0.00	67.32 -0.20 0.00	61.97 0.00 0.00	56.87 -0.11 0.00	49.31 0.00 0.00	43.99 0.13 0.00
ERIE_WT_PWR 323693	36.81 -0.15 0.00	33.79 0.03 0.00	30.18 0.21 0.00	28.09 -0.43 0.00	28.15 -0.37 0.00	27.48 -0.53 0.00	27.52 -0.39 0.00	28.06 -0.26 0.00	27.80 -0.42 0.00	30.28 -0.06 0.00	31.59 0.28 0.00	35.33 0.39 0.00	37.62 0.19 0.00	40.41 0.12 0.00	43.08 0.09 0.00	47.66 0.42 0.00	54.36 1.07 0.00	58.06 0.86 0.00	71.50 0.43 0.00	67.25 -0.27 0.00	62.22 0.25 0.00	56.81 -0.17 0.00	49.46 0.15 0.00	44.25 0.39 0.00
ESPRGFLD_115KV_TB1 80157	39.69 2.73 0.00	36.18 2.43 0.00	32.07 2.10 0.00	30.49 1.97 0.00	30.54 2.02 0.00	30.06 2.05 0.00	29.80 1.90 0.00	29.98 1.67 0.00	29.75 1.52 0.00	31.92 1.58 0.00	32.85 1.53 0.00	36.65 1.71 0.00	39.23 1.80 0.00	42.08 1.89 0.10	45.13 2.15 0.01	49.59 2.36 0.00	56.12 2.82 0.00	60.46 3.26 0.00	76.04 4.97 0.00	72.79 5.27 0.00	67.06 5.08 0.00	61.26 4.27 0.00	52.96 3.65 0.00	46.97 3.11 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	37.77 0.81 0.00	34.53 0.78 0.00	30.60 0.63 0.00	29.06 0.54 0.00	29.03 0.51 0.00	28.52 0.50 0.00	28.44 0.53 0.00	28.85 0.54 0.00	28.62 0.40 0.00	30.77 0.42 0.00	31.69 0.38 0.00	35.40 0.45 0.00	37.92 0.49 0.00	40.77 0.48 0.00	43.59 0.60 0.00	48.04 0.80 0.00	54.52 1.23 0.00	58.63 1.43 0.00	73.27 2.20 0.00	69.75 2.23 0.00	64.02 2.05 0.00	58.58 1.60 0.00	50.50 1.18 0.00	44.87 1.01 0.00
ETNA____115KV_TB2 80207	37.77 0.81 0.00	34.53 0.78 0.00	30.60 0.63 0.00	29.06 0.54 0.00	29.03 0.51 0.00	28.52 0.50 0.00	28.44 0.53 0.00	28.85 0.54 0.00	28.62 0.40 0.00	30.77 0.42 0.00	31.69 0.38 0.00	35.40 0.45 0.00	37.92 0.49 0.00	40.77 0.48 0.00	43.59 0.60 0.00	48.04 0.80 0.00	54.52 1.23 0.00	58.63 1.43 0.00	73.27 2.20 0.00	69.75 2.23 0.00	64.02 2.05 0.00	58.58 1.60 0.00	50.50 1.18 0.00	44.87 1.01 0.00
EUCLID__115KV_TB2 356179	36.73 -0.22 0.00	33.58 -0.17 0.00	29.79 -0.18 0.00	28.29 -0.23 0.00	28.26 -0.26 0.00	27.76 -0.25 0.00	27.65 -0.25 0.00	28.09 -0.23 0.00	27.94 -0.28 0.00	30.13 -0.21 0.00	31.03 -0.28 0.00	34.63 -0.31 0.00	37.06 -0.37 0.00	39.89 -0.40 0.00	42.56 -0.43 0.00	46.81 -0.43 0.00	52.98 -0.32 0.00	56.85 -0.34 0.00	70.78 -0.28 0.00	67.18 -0.34 0.00	61.66 -0.31 0.00	56.53 -0.46 0.00	48.87 -0.44 0.00	43.42 -0.44 0.00
E_CANADA_CAP_HY 24051	40.35 3.40 0.00	36.76 3.00 0.00	32.52 2.55 0.00	30.89 2.37 0.00	30.94 2.42 0.00	30.43 2.41 0.00	30.05 2.15 0.00	30.04 1.73 0.00	29.72 1.49 0.00	31.86 1.52 0.00	32.79 1.47 0.00	36.48 1.54 0.00	38.78 1.35 0.00	41.59 1.45 0.15	44.74 1.76 0.02	49.21 1.98 0.01	55.80 2.51 0.00	60.40 3.20 0.00	76.33 5.26 0.00	73.53 6.01 0.00	67.98 6.01 0.00	62.17 5.18 0.00	53.85 4.53 0.00	47.67 3.81 0.00
E_CANADA_MHWK_HY 24050	36.58 -0.37 0.00	33.42 -0.34 0.00	29.67 -0.30 0.00	28.26 -0.26 0.00	28.29 -0.23 0.00	27.82 -0.19 0.00	27.71 -0.19 0.00	28.11 -0.20 0.00	28.03 -0.20 0.00	30.07 -0.27 0.00	30.97 -0.34 0.00	34.56 -0.38 0.00	37.02 -0.41 0.00	39.81 -0.48 0.00	42.39 -0.60 0.00	46.57 -0.66 0.00	52.55 -0.75 0.00	56.51 -0.68 0.00	70.50 -0.57 0.00	67.12 -0.40 0.00	61.67 -0.31 0.00	56.81 -0.17 0.00	49.12 -0.20 0.00	43.68 -0.17 0.00
E_FISHKILL__LBMP 23776	39.69 2.73 0.00	36.12 2.36 0.00	32.10 2.13 0.00	30.60 2.08 0.00	30.54 2.02 0.00	30.01 1.99 0.00	29.92 2.01 0.00	30.46 2.15 0.00	30.43 2.20 0.00	32.68 2.34 0.00	33.60 2.29 0.00	37.53 2.59 0.00	40.31 2.88 0.00	43.67 3.22 -0.16	46.32 3.31 -0.02	50.69 3.45 -0.01	56.82 3.52 0.00	60.92 3.72 0.00	76.11 5.05 0.00	72.04 4.52 0.00	65.94 3.97 0.00	59.60 2.62 0.00	51.73 2.42 0.00	46.31 2.46 0.00
FALCON__SEABRD_CC1 323796	36.62 -0.33 0.00	33.52 -0.23 0.00	29.76 -0.21 0.00	28.29 -0.23 0.00	28.29 -0.23 0.00	27.74 -0.28 0.00	27.63 -0.28 0.00	28.00 -0.31 0.00	27.91 -0.31 0.00	30.01 -0.33 0.00	31.10 -0.22 0.00	34.77 -0.17 0.00	37.36 -0.07 0.00	40.17 -0.12 0.00	42.91 -0.09 0.00	47.33 0.09 0.00	53.40 0.11 0.00	57.37 0.17 0.00	71.42 0.36 0.00	68.13 0.61 0.00	62.78 0.80 0.00	58.29 1.31 0.00	50.25 0.93 0.00	44.43 0.57 0.00
FALCON__SEABRD_CC2 323797	36.62 -0.33 0.00	33.52 -0.23 0.00	29.76 -0.21 0.00	28.29 -0.23 0.00	28.29 -0.23 0.00	27.74 -0.28 0.00	27.63 -0.28 0.00	28.00 -0.31 0.00	27.91 -0.31 0.00	30.01 -0.33 0.00	31.10 -0.22 0.00	34.77 -0.17 0.00	37.36 -0.07 0.00	40.17 -0.12 0.00	42.91 -0.09 0.00	47.33 0.09 0.00	53.40 0.11 0.00	57.37 0.17 0.00	71.42 0.36 0.00	68.13 0.61 0.00	62.78 0.80 0.00	58.29 1.31 0.00	50.25 0.93 0.00	44.43 0.57 0.00



FAR ROCKAWAY___4 23548	41.50 4.55 0.00	37.70 3.95 0.00	33.54 3.57 0.00	31.94 3.42 0.00	31.85 3.34 0.00	31.27 3.25 0.00	31.12 3.21 0.00	31.79 3.48 0.00	31.81 3.58 0.00	34.21 3.85 -0.01	45.89 3.82 -10.75	47.90 4.37 -8.59	52.77 4.83 -10.51	52.36 5.40 -6.67	90.50 5.72 -41.79	75.04 6.09 -21.71	131.95 6.50 -72.15	94.11 6.92 -29.99	92.16 8.95 -12.14	99.95 8.17 -24.26	87.00 7.19 -17.84	62.22 5.19 -0.06	65.58 4.93 -11.33	48.46 4.61 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	40.50 3.55 0.00	36.79 3.04 0.00	32.73 2.76 0.00	31.17 2.65 0.00	31.08 2.57 0.00	30.54 2.52 0.00	30.50 2.60 0.00	31.09 2.77 0.00	31.13 2.91 0.00	33.50 3.16 0.00	34.41 3.10 0.00	38.47 3.53 0.00	41.32 3.89 0.00	44.84 4.39 -0.16	47.52 4.51 -0.02	51.92 4.68 -0.01	57.93 4.64 0.00	62.00 4.80 0.00	77.46 6.40 0.00	73.26 5.74 0.00	66.93 4.96 0.00	60.34 3.36 0.00	52.62 3.30 0.00	47.15 3.29 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	40.50 3.55 0.00	36.79 3.04 0.00	32.73 2.76 0.00	31.17 2.65 0.00	31.11 2.60 0.00	30.54 2.52 0.00	30.50 2.60 0.00	31.11 2.80 0.00	31.16 2.94 0.00	33.50 3.16 0.00	34.41 3.10 0.00	38.50 3.56 0.00	41.36 3.93 0.00	44.84 4.39 -0.16	47.52 4.51 -0.02	51.92 4.68 -0.01	57.99 4.69 0.00	62.06 4.86 0.00	77.46 6.40 0.00	73.26 5.74 0.00	66.99 5.02 0.00	60.40 3.42 0.00	52.62 3.30 0.00	47.15 3.29 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	40.46 3.51 0.00	36.76 3.00 0.00	32.70 2.73 0.00	31.15 2.62 0.00	31.08 2.57 0.00	30.54 2.52 0.00	30.50 2.60 0.00	31.09 2.77 0.00	31.13 2.91 0.00	33.47 3.13 0.00	34.41 3.10 0.00	38.47 3.53 0.00	41.32 3.89 0.00	44.80 4.35 -0.16	47.48 4.47 -0.02	51.87 4.63 -0.01	57.88 4.58 0.00	62.00 4.80 0.00	77.39 6.32 0.00	73.19 5.67 0.00	66.87 4.90 0.00	60.29 3.30 0.00	52.57 3.25 0.00	47.10 3.25 0.00
FARRAGUT___LBMP 323566	40.43 3.47 0.00	36.76 3.00 0.00	32.70 2.73 0.00	31.15 2.62 0.00	31.05 2.54 0.00	30.51 2.49 0.00	30.47 2.57 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.09 0.00	34.38 3.07 0.00	38.43 3.49 0.00	41.29 3.86 0.00	44.80 4.35 -0.16	47.44 4.43 -0.02	51.82 4.58 -0.01	57.83 4.53 0.00	61.94 4.75 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.29 3.30 0.00	52.52 3.21 0.00	47.06 3.20 0.00
FENNER___WINDPWR 24204	37.69 0.74 0.00	34.49 0.74 0.00	30.60 0.63 0.00	29.06 0.54 0.00	29.06 0.54 0.00	28.58 0.56 0.00	28.43 0.53 0.00	28.82 0.51 0.00	28.65 0.42 0.00	30.80 0.46 0.00	31.69 0.38 0.00	35.36 0.42 0.00	37.92 0.49 0.00	40.78 0.49 0.00	43.59 0.60 0.00	47.94 0.71 0.00	54.31 1.01 0.00	58.40 1.20 0.00	72.99 1.92 0.00	69.54 2.02 0.00	63.83 1.86 0.00	58.46 1.48 0.00	50.40 1.08 0.00	44.74 0.88 0.00
FIBERTEK___ENERGY 23856	37.03 0.07 0.00	33.85 0.10 0.00	30.03 0.06 0.00	28.52 0.00 0.00	28.49 -0.03 0.00	27.99 -0.03 0.00	27.91 0.00 0.00	28.34 0.03 0.00	28.17 -0.06 0.00	30.37 0.03 0.00	31.28 -0.03 0.00	34.91 -0.03 0.00	37.39 -0.04 0.00	40.21 -0.08 0.00	42.95 -0.04 0.00	47.28 0.05 0.00	53.51 0.21 0.00	57.43 0.23 0.00	71.56 0.50 0.00	67.99 0.47 0.00	62.35 0.37 0.00	57.15 0.17 0.00	49.36 0.05 0.00	43.86 0.00 0.00
FITZPATRICK___ 23598	36.14 -0.81 0.00	33.08 -0.67 0.00	29.37 -0.60 0.00	27.89 -0.63 0.00	27.89 -0.63 0.00	27.37 -0.64 0.00	27.27 -0.64 0.00	27.69 -0.62 0.00	27.58 -0.65 0.00	29.70 -0.64 0.00	30.56 -0.75 0.00	34.07 -0.87 0.00	36.46 -0.97 0.00	39.24 -1.05 0.00	41.87 -1.12 0.00	46.06 -1.18 0.00	52.02 -1.28 0.00	55.82 -1.37 0.00	69.43 -1.63 0.00	65.97 -1.55 0.00	60.55 -1.42 0.00	55.56 -1.42 0.00	48.08 -1.23 0.00	42.76 -1.09 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	40.13 3.18 0.00	36.52 2.77 0.00	32.43 2.46 0.00	30.89 2.37 0.00	30.83 2.31 0.00	30.29 2.27 0.00	30.19 2.29 0.00	30.69 2.38 0.00	30.68 2.46 0.00	32.89 2.55 0.00	33.82 2.51 0.00	37.77 2.83 0.00	40.69 3.26 0.00	44.06 3.67 -0.11	46.87 3.87 -0.01	51.40 4.16 0.00	57.67 4.37 0.00	61.94 4.75 0.00	77.60 6.54 0.00	73.33 5.81 0.00	67.06 5.08 0.00	60.57 3.59 0.00	52.47 3.16 0.00	46.89 3.03 0.00
FORT ORANGE___ 23900	38.17 1.22 0.00	34.76 1.01 0.00	30.84 0.87 0.00	29.41 0.89 0.00	29.40 0.88 0.00	28.91 0.90 0.00	28.74 0.84 0.00	29.05 0.73 0.00	28.90 0.68 0.00	31.01 0.67 0.00	31.91 0.59 0.00	35.60 0.66 0.00	38.07 0.64 0.00	40.95 0.81 0.14	43.75 0.77 0.01	48.08 0.85 0.01	54.26 0.96 0.00	58.40 1.20 0.00	72.91 1.84 0.00	69.27 1.75 0.00	63.52 1.55 0.00	57.95 0.97 0.00	50.30 0.99 0.00	44.74 0.88 0.00
FORT_DRUM_COGEN 23780	37.29 0.33 0.00	34.23 0.47 0.00	30.33 0.36 0.00	28.84 0.31 0.00	28.89 0.37 0.00	28.52 0.50 0.00	28.19 0.28 0.00	28.43 0.11 0.00	28.17 -0.06 0.00	30.25 -0.09 0.00	31.03 -0.28 0.00	34.52 -0.42 0.00	36.94 -0.49 0.00	39.52 -0.77 0.00	42.43 -0.56 0.00	46.76 -0.47 0.00	52.98 -0.32 0.00	57.37 0.17 0.00	72.77 1.71 0.00	69.82 2.30 0.00	64.39 2.42 0.00	58.98 1.99 0.00	50.64 1.33 0.00	44.60 0.75 0.00
FOX_HILLS___ESR 323835	40.80 3.84 -0.01	37.03 3.27 -0.01	32.92 2.94 -0.01	31.33 2.80 -0.01	31.26 2.74 -0.01	30.62 2.61 0.00	30.53 2.62 0.00	31.09 2.77 0.00	31.10 2.88 0.00	33.50 3.16 0.00	34.48 3.16 0.00	38.64 3.70 0.00	41.56 4.12 -0.01	45.09 4.63 -0.17	47.70 4.69 -0.02	51.73 4.49 -0.01	51.43 4.32 6.18	54.88 4.40 6.72	65.37 5.90 11.59	56.12 5.27 16.67	52.62 4.52 13.88	51.15 2.79 8.63	50.24 2.91 1.98	47.28 3.42 0.00
FPL_FAR_ROCK_GT1 24212	41.51 4.54 -0.01	37.74 3.98 -0.01	33.49 3.51 -0.01	31.95 3.42 -0.01	31.80 3.28 -0.01	31.24 3.22 0.00	31.11 3.21 0.00	31.80 3.48 -0.01	31.82 3.58 -0.01	34.21 3.85 -0.01	45.88 3.82 -10.75	47.90 4.37 -8.59	52.77 4.83 -10.51	52.28 5.32 -6.67	90.46 5.67 -41.79	75.04 6.10 -21.71	131.89 6.45 -72.15	94.16 6.98 -29.99	92.23 9.03 -12.14	99.95 8.17 -24.26	87.00 7.19 -17.84	62.22 5.18 -0.06	65.58 4.93 -11.33	48.24 4.39 0.00
FPL_FAR_ROCK_GT2 23815	41.51 4.54 -0.01	37.74 3.98 -0.01	33.49 3.51 -0.01	31.95 3.42 -0.01	31.80 3.28 -0.01	31.24 3.22 0.00	31.11 3.21 0.00	31.80 3.48 -0.01	31.82 3.58 -0.01	34.21 3.85 -0.01	45.88 3.82 -10.75	47.90 4.37 -8.59	52.77 4.83 -10.51	52.28 5.32 -6.67	90.46 5.67 -41.79	75.04 6.10 -21.71	131.89 6.45 -72.15	94.16 6.98 -29.99	92.23 9.03 -12.14	99.95 8.17 -24.26	87.00 7.19 -17.84	62.22 5.18 -0.06	65.58 4.93 -11.33	48.24 4.39 0.00
FRANKLIN_FALL_HYD 24054	36.51 -0.44 0.00	33.45 -0.30 0.00	29.73 -0.24 0.00	28.29 -0.23 0.00	28.26 -0.26 0.00	27.74 -0.28 0.00	27.60 -0.31 0.00	27.97 -0.34 0.00	27.91 -0.31 0.00	29.98 -0.36 0.00	31.09 -0.22 0.00	34.73 -0.21 0.00	37.36 -0.07 0.00	40.09 -0.20 0.00	42.91 -0.09 0.00	47.28 0.05 0.00	53.30 0.00 0.00	57.31 0.11 0.00	71.42 0.36 0.00	68.19 0.68 0.00	62.84 0.87 0.00	58.46 1.48 0.00	50.30 0.99 0.00	44.43 0.57 0.00



FREEPORT_EQUS_GT1 23764	41.25 4.28 -0.01	37.51 3.75 -0.01	33.28 3.30 -0.01	31.72 3.19 -0.01	31.58 3.05 -0.01	31.02 3.00 0.00	30.92 3.01 0.00	31.60 3.28 -0.01	31.62 3.39 -0.01	34.00 3.64 -0.01	45.63 3.57 -10.75	47.59 4.05 -8.59	52.40 4.45 -10.51	51.18 4.91 -5.97	63.23 5.16 -15.08	60.55 5.48 -7.84	85.12 5.81 -26.01	74.07 6.06 -10.82	83.26 7.82 -4.38	83.29 7.02 -8.75	74.48 6.08 -6.43	61.39 4.39 -0.02	57.98 4.19 -4.48	47.67 3.81 0.00
FREEPORT___CT2 23818	41.25 4.28 -0.01	37.51 3.75 -0.01	33.28 3.30 -0.01	31.72 3.19 -0.01	31.58 3.05 -0.01	31.02 3.00 0.00	30.92 3.01 0.00	31.60 3.28 -0.01	31.62 3.39 -0.01	34.00 3.64 -0.01	45.63 3.57 -10.75	47.59 4.05 -8.59	52.40 4.45 -10.51	51.18 4.91 -5.97	63.23 5.16 -15.08	60.55 5.48 -7.84	85.12 5.81 -26.01	74.07 6.06 -10.82	83.26 7.82 -4.38	83.29 7.02 -8.75	74.48 6.08 -6.43	61.39 4.39 -0.02	57.98 4.19 -4.48	47.67 3.81 0.00
FRESHKLS_33_KV_LOAD 356253	40.95 3.99 -0.01	37.14 3.38 -0.01	33.01 3.03 -0.01	31.41 2.88 -0.01	31.32 2.79 -0.01	30.71 2.69 0.00	30.61 2.71 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.57 3.26 0.00	38.75 3.81 0.00	41.67 4.23 -0.01	45.25 4.79 -0.17	47.82 4.82 -0.02	51.73 4.49 -0.01	51.43 4.32 6.18	54.88 4.40 6.72	65.37 5.90 11.59	56.12 5.27 16.67	52.55 4.46 13.88	51.09 2.74 8.63	50.19 2.86 1.98	47.32 3.46 0.00
FULTON COGEN____ 23766	36.44 -0.52 0.00	33.31 -0.44 0.00	29.55 -0.42 0.00	28.07 -0.46 0.00	28.06 -0.46 0.00	27.54 -0.48 0.00	27.46 -0.45 0.00	27.89 -0.42 0.00	27.72 -0.51 0.00	29.89 -0.46 0.00	30.75 -0.56 0.00	34.28 -0.66 0.00	36.72 -0.71 0.00	39.48 -0.81 0.00	42.18 -0.82 0.00	46.38 -0.85 0.00	52.39 -0.91 0.00	56.23 -0.97 0.00	70.07 -0.99 0.00	66.64 -0.88 0.00	61.11 -0.87 0.00	56.01 -0.97 0.00	48.47 -0.84 0.00	43.07 -0.79 0.00
FULTON___LFGE 323630	40.17 3.21 0.00	36.55 2.80 0.00	32.34 2.37 0.00	30.75 2.23 0.00	30.77 2.25 0.00	30.28 2.27 0.00	29.92 2.01 0.00	29.95 1.64 0.00	29.66 1.44 0.00	31.80 1.46 0.00	32.69 1.38 0.00	36.41 1.47 0.00	38.66 1.23 0.00	41.49 1.37 0.17	44.70 1.72 0.02	49.12 1.89 0.01	55.70 2.40 0.00	60.34 3.14 0.00	76.11 5.05 0.00	73.19 5.67 0.00	67.55 5.58 0.00	61.77 4.79 0.00	53.60 4.29 0.00	47.46 3.60 0.00
G.F.CEMENT___DRP 24184	39.39 2.44 0.00	35.81 2.06 0.00	31.68 1.71 0.00	30.12 1.60 0.00	30.14 1.63 0.00	29.64 1.62 0.00	29.41 1.51 0.00	29.64 1.33 0.00	29.44 1.21 0.00	31.53 1.18 0.00	32.25 0.94 0.00	36.02 1.08 0.00	38.18 0.75 0.00	40.80 0.81 0.29	44.04 1.07 0.03	48.36 1.13 0.01	54.90 1.60 0.00	59.37 2.17 0.00	74.90 3.84 0.00	71.44 3.92 0.00	65.75 3.78 0.00	60.12 3.13 0.00	52.27 2.96 0.00	46.27 2.41 0.00
GARDENVILLE___LBMP 24039	36.73 -0.22 0.00	33.65 -0.10 0.00	29.85 -0.12 0.00	28.04 -0.48 0.00	27.89 -0.63 0.00	27.40 -0.62 0.00	27.46 -0.45 0.00	27.97 -0.34 0.00	27.69 -0.54 0.00	30.13 -0.21 0.00	31.44 0.13 0.00	35.15 0.21 0.00	37.43 0.00 0.00	40.09 -0.20 0.00	42.78 -0.21 0.00	47.38 0.14 0.00	54.10 0.80 0.00	57.77 0.57 0.00	71.28 0.21 0.00	67.05 -0.47 0.00	61.85 -0.12 0.00	56.75 -0.23 0.00	49.31 0.00 0.00	44.03 0.18 0.00
GARDNVLA_35_KV_LD 355827	36.84 -0.11 0.00	33.79 0.03 0.00	29.97 0.00 0.00	28.12 -0.40 0.00	27.97 -0.54 0.00	27.48 -0.53 0.00	27.54 -0.36 0.00	28.09 -0.23 0.00	27.83 -0.40 0.00	30.31 -0.03 0.00	31.66 0.34 0.00	35.40 0.45 0.00	37.69 0.26 0.00	40.37 0.08 0.00	43.08 0.09 0.00	47.71 0.47 0.00	54.52 1.23 0.00	58.17 0.97 0.00	71.78 0.71 0.00	67.38 -0.14 0.00	62.10 0.12 0.00	57.04 0.06 0.00	49.56 0.25 0.00	44.21 0.35 0.00
GELCKHM___115KV_LOAD 80723	36.84 -0.11 0.00	33.65 -0.10 0.00	29.85 -0.12 0.00	28.38 -0.14 0.00	28.35 -0.17 0.00	27.82 -0.20 0.00	27.74 -0.17 0.00	28.17 -0.14 0.00	28.03 -0.20 0.00	30.22 -0.12 0.00	31.13 -0.19 0.00	34.73 -0.21 0.00	37.17 -0.26 0.00	40.01 -0.28 0.00	42.69 -0.30 0.00	47.00 -0.24 0.00	53.19 -0.11 0.00	57.08 -0.11 0.00	71.07 0.00 0.00	67.45 -0.07 0.00	61.91 -0.06 0.00	56.75 -0.23 0.00	49.02 -0.30 0.00	43.60 -0.26 0.00
GENERAL___MILLS 23808	36.81 -0.15 0.00	33.72 -0.03 0.00	29.91 -0.06 0.00	28.09 -0.43 0.00	27.95 -0.57 0.00	27.46 -0.56 0.00	27.52 -0.39 0.00	28.03 -0.28 0.00	27.77 -0.45 0.00	30.25 -0.09 0.00	31.56 0.25 0.00	35.33 0.38 0.00	37.58 0.15 0.00	40.25 -0.04 0.00	42.99 0.00 0.00	47.61 0.38 0.00	54.36 1.07 0.00	58.00 0.80 0.00	71.56 0.50 0.00	67.18 -0.34 0.00	61.97 0.00 0.00	56.87 -0.11 0.00	49.46 0.15 0.00	44.08 0.22 0.00
GE_PLASTICS___DRP 24183	38.06 1.11 0.00	34.70 0.95 0.00	30.81 0.84 0.00	29.38 0.86 0.00	29.37 0.86 0.00	28.86 0.84 0.00	28.72 0.81 0.00	29.08 0.76 0.00	28.93 0.71 0.00	31.07 0.73 0.00	32.00 0.69 0.00	35.67 0.73 0.00	38.18 0.75 0.00	41.11 0.93 0.10	43.93 0.95 0.01	48.17 0.94 0.00	54.26 0.96 0.00	58.28 1.09 0.00	72.70 1.63 0.00	69.07 1.55 0.00	63.34 1.36 0.00	57.78 0.80 0.00	50.10 0.79 0.00	44.65 0.79 0.00
GILBOA___1 23756	38.36 1.40 0.00	34.97 1.21 0.00	31.05 1.08 0.00	29.69 1.17 0.00	29.77 1.25 0.00	29.28 1.26 0.00	29.16 1.26 0.00	29.50 1.19 0.00	29.30 1.07 0.00	31.43 1.09 0.00	32.38 1.07 0.00	36.16 1.22 0.00	38.74 1.31 0.00	41.78 1.45 -0.04	44.54 1.55 0.00	48.84 1.61 0.00	55.00 1.71 0.00	58.91 1.71 0.00	73.27 2.21 0.00	69.48 1.96 0.00	63.83 1.86 0.00	58.35 1.37 0.00	50.55 1.23 0.00	45.04 1.18 0.00
GILBOA___2 23757	38.36 1.40 0.00	34.97 1.21 0.00	31.05 1.08 0.00	29.69 1.17 0.00	29.77 1.25 0.00	29.28 1.26 0.00	29.16 1.26 0.00	29.50 1.19 0.00	29.30 1.07 0.00	31.43 1.09 0.00	32.38 1.07 0.00	36.16 1.22 0.00	38.74 1.31 0.00	41.78 1.45 -0.04	44.54 1.55 0.00	48.84 1.61 0.00	55.00 1.71 0.00	58.91 1.71 0.00	73.27 2.21 0.00	69.48 1.96 0.00	63.83 1.86 0.00	58.35 1.37 0.00	50.55 1.23 0.00	45.04 1.18 0.00
GILBOA___3 23758	38.36 1.40 0.00	34.97 1.21 0.00	31.05 1.08 0.00	29.69 1.17 0.00	29.77 1.25 0.00	29.28 1.26 0.00	29.16 1.26 0.00	29.50 1.19 0.00	29.30 1.07 0.00	31.43 1.09 0.00	32.38 1.07 0.00	36.16 1.22 0.00	38.74 1.31 0.00	41.78 1.45 -0.04	44.54 1.55 0.00	48.84 1.61 0.00	55.00 1.71 0.00	58.91 1.71 0.00	73.27 2.21 0.00	69.48 1.96 0.00	63.83 1.86 0.00	58.35 1.37 0.00	50.55 1.23 0.00	45.04 1.18 0.00
GILBOA___4 23759	38.36 1.40 0.00	34.97 1.21 0.00	31.05 1.08 0.00	29.69 1.17 0.00	29.77 1.25 0.00	29.28 1.26 0.00	29.16 1.26 0.00	29.50 1.19 0.00	29.30 1.07 0.00	31.43 1.09 0.00	32.38 1.07 0.00	36.16 1.22 0.00	38.74 1.31 0.00	41.78 1.45 -0.04	44.54 1.55 0.00	48.84 1.61 0.00	55.00 1.71 0.00	58.91 1.71 0.00	73.27 2.21 0.00	69.48 1.96 0.00	63.83 1.86 0.00	58.35 1.37 0.00	50.55 1.23 0.00	45.04 1.18 0.00



GILBOA____ 23599	38.36 1.40 0.00	34.97 1.22 0.00	31.08 1.11 0.00	29.69 1.17 0.00	29.77 1.25 0.00	29.28 1.26 0.00	29.16 1.26 0.00	29.50 1.19 0.00	29.30 1.07 0.00	31.43 1.09 0.00	32.38 1.06 0.00	36.16 1.22 0.00	38.74 1.31 0.00	41.82 1.49 -0.04	44.54 1.55 0.00	48.84 1.61 0.00	55.00 1.71 0.00	58.86 1.66 0.00	73.27 2.20 0.00	69.48 1.96 0.00	63.83 1.86 0.00	58.29 1.31 0.00	50.54 1.23 0.00	45.04 1.18 0.00
GINNA____ 23603	35.51 -1.44 0.00	32.30 -1.45 0.00	28.74 -1.23 0.00	27.04 -1.48 0.00	27.06 -1.45 0.00	26.42 -1.60 0.00	26.34 -1.56 0.00	26.87 -1.44 0.00	26.67 -1.55 0.00	28.95 -1.40 0.00	30.09 -1.22 0.00	33.75 -1.19 0.00	36.05 -1.38 0.00	38.76 -1.53 0.00	41.45 -1.55 0.00	45.63 -1.61 0.00	51.81 -1.49 0.00	55.54 -1.66 0.00	69.00 -2.06 0.00	65.22 -2.30 0.00	60.12 -1.86 0.00	55.33 -1.65 0.00	47.73 -1.58 0.00	42.41 -1.45 0.00
GLEN PARK____ 23778	37.47 0.52 0.00	34.43 0.67 0.00	30.51 0.54 0.00	28.98 0.45 0.00	29.06 0.54 0.00	28.66 0.64 0.00	28.33 0.42 0.00	28.54 0.23 0.00	28.25 0.03 0.00	30.34 0.00 0.00	31.10 -0.22 0.00	34.63 -0.32 0.00	37.02 -0.41 0.00	39.60 -0.69 0.00	42.56 -0.43 0.00	46.95 -0.28 0.00	53.14 -0.16 0.00	57.60 0.40 0.00	73.13 2.06 0.00	70.22 2.70 0.00	64.77 2.79 0.00	59.37 2.39 0.00	50.94 1.62 0.00	44.82 0.96 0.00
GLENDALE_27_KV_LOAD 356172	40.77 3.81 -0.01	37.03 3.27 -0.01	32.95 2.97 -0.01	31.38 2.85 -0.01	31.29 2.77 -0.01	30.71 2.69 0.00	30.61 2.71 0.00	31.20 2.89 0.00	31.27 3.05 0.00	33.62 3.28 0.00	34.57 3.26 0.00	38.68 3.74 0.00	41.55 4.12 0.00	45.12 4.67 -0.16	47.74 4.73 -0.02	52.11 4.87 -0.01	58.09 4.80 0.00	62.17 4.98 0.00	77.68 6.61 0.00	73.46 5.94 0.00	67.18 5.21 0.00	60.46 3.48 0.00	52.76 3.45 0.00	47.46 3.60 0.00
GLENWOOD_IC_1_G5 23712	40.80 3.84 0.00	37.06 3.31 0.00	32.97 3.00 0.00	31.40 2.88 0.00	31.31 2.79 0.00	30.73 2.72 0.00	30.64 2.73 0.00	31.28 2.97 0.00	31.30 3.08 0.00	33.66 3.31 -0.01	45.38 3.32 -10.75	47.31 3.77 -8.59	52.10 4.15 -10.51	50.79 4.67 -5.83	57.93 4.73 -10.21	57.36 4.82 -5.30	75.85 4.96 -17.60	69.78 5.26 -7.32	80.93 6.89 -2.96	79.65 6.21 -5.92	71.65 5.33 -4.34	60.64 3.65 -0.01	56.08 3.75 -3.02	47.50 3.64 0.00
GLENWOOD_IC_2_G1 23688	40.54 3.58 -0.01	36.86 3.10 -0.01	32.71 2.73 -0.01	31.21 2.68 -0.01	31.06 2.54 -0.01	30.54 2.52 0.00	30.47 2.57 0.00	31.10 2.78 -0.01	31.11 2.88 -0.01	33.42 3.06 -0.01	45.14 3.07 -10.75	47.03 3.49 -8.59	51.80 3.86 -10.51	50.19 4.23 -5.67	52.59 4.43 -5.17	54.56 4.63 -2.69	66.99 4.80 -8.90	66.05 5.15 -3.70	79.25 6.68 -1.50	76.52 6.01 -3.00	69.31 5.14 -2.19	60.57 3.59 0.00	54.14 3.35 -1.47	47.06 3.20 0.00
GLENWOOD_IC_3_G1 23689	40.54 3.58 -0.01	36.86 3.10 -0.01	32.71 2.73 -0.01	31.21 2.68 -0.01	31.06 2.54 -0.01	30.54 2.52 0.00	30.47 2.57 0.00	31.10 2.78 -0.01	31.11 2.88 -0.01	33.42 3.06 -0.01	45.14 3.07 -10.75	47.03 3.49 -8.59	51.80 3.86 -10.51	50.19 4.23 -5.67	52.59 4.43 -5.17	54.56 4.63 -2.69	66.99 4.80 -8.90	66.05 5.15 -3.70	79.25 6.68 -1.50	76.52 6.01 -3.00	69.31 5.14 -2.19	60.57 3.59 0.00	54.14 3.35 -1.47	47.06 3.20 0.00
GLENWOOD____4 23550	40.80 3.84 0.00	37.06 3.31 0.00	32.97 3.00 0.00	31.40 2.88 0.00	31.31 2.79 0.00	30.73 2.72 0.00	30.64 2.73 0.00	31.28 2.97 0.00	31.30 3.08 0.00	33.66 3.31 -0.01	45.38 3.32 -10.75	47.31 3.77 -8.59	52.10 4.15 -10.51	50.79 4.67 -5.83	57.97 4.77 -10.21	57.50 4.96 -5.30	76.01 5.12 -17.60	69.89 5.38 -7.32	81.14 7.11 -2.96	79.86 6.41 -5.92	71.83 5.52 -4.34	60.75 3.76 -0.01	56.08 3.75 -3.02	47.50 3.64 0.00
GLENWOOD____5 23614	40.80 3.84 0.00	37.06 3.31 0.00	32.97 3.00 0.00	31.40 2.88 0.00	31.31 2.79 0.00	30.73 2.72 0.00	30.64 2.73 0.00	31.28 2.97 0.00	31.30 3.08 0.00	33.66 3.31 -0.01	45.38 3.32 -10.75	47.31 3.77 -8.59	52.10 4.15 -10.51	50.79 4.67 -5.83	57.97 4.77 -10.21	57.50 4.96 -5.30	76.01 5.12 -17.60	69.89 5.38 -7.32	81.14 7.11 -2.96	79.86 6.41 -5.92	71.83 5.52 -4.34	60.75 3.76 -0.01	56.08 3.75 -3.02	47.50 3.64 0.00
GLOBAL GREEN_PORT_GT1 23814	41.99 5.02 -0.01	38.05 4.29 -0.01	33.79 3.81 -0.01	32.09 3.56 -0.01	31.89 3.36 -0.01	31.38 3.36 0.00	31.31 3.40 0.00	32.23 3.91 -0.01	32.61 4.37 -0.01	35.51 5.16 -0.01	47.26 5.20 -10.75	49.55 6.01 -8.59	54.53 6.59 -10.51	52.89 7.01 -5.59	63.54 7.14 -13.41	69.03 7.37 -14.43	65.13 7.89 -3.94	67.49 8.64 -1.65	95.98 11.08 -13.83	78.84 9.99 -1.33	71.25 8.31 -0.97	63.19 6.21 0.00	55.24 5.28 -0.65	49.30 5.44 0.00
GLOBE____DSASP 323697	35.66 -1.29 0.00	32.67 -1.08 0.00	28.98 -0.99 0.00	27.21 -1.31 0.00	27.03 -1.48 0.00	26.56 -1.46 0.00	26.65 -1.26 0.00	27.24 -1.08 0.00	26.98 -1.24 0.00	29.37 -0.97 0.00	30.66 -0.66 0.00	34.24 -0.70 0.00	36.38 -1.05 0.00	38.92 -1.37 0.00	41.44 -1.55 0.00	45.86 -1.37 0.00	52.34 -0.96 0.00	55.88 -1.32 0.00	68.79 -2.27 0.00	64.48 -3.04 0.00	59.56 -2.42 0.00	54.82 -2.17 0.00	47.78 -1.53 0.00	42.63 -1.23 0.00
GOETHSLN____LBMP 323567	40.28 3.33 0.00	36.59 2.84 0.00	32.55 2.58 0.00	31.00 2.48 0.00	30.91 2.40 0.00	30.37 2.35 0.00	30.36 2.46 0.00	30.94 2.63 0.00	31.02 2.79 0.00	33.35 3.00 0.00	34.29 2.97 0.00	38.33 3.39 0.00	41.14 3.71 0.00	44.64 4.19 -0.16	47.27 4.26 -0.02	51.59 4.35 -0.01	51.28 4.16 6.17	54.76 4.29 6.73	65.22 5.76 11.60	55.99 5.13 16.66	52.50 4.40 13.87	51.25 2.91 8.63	50.23 2.91 1.99	46.80 2.94 0.00
GOLAH____69_KV_TB 1_2 80279	37.10 0.15 0.00	33.82 0.07 0.00	30.03 0.06 0.00	28.32 -0.20 0.00	28.20 -0.31 0.00	27.62 -0.39 0.00	27.60 -0.31 0.00	28.11 -0.20 0.00	27.83 -0.40 0.00	30.22 -0.12 0.00	31.44 0.13 0.00	35.19 0.24 0.00	37.51 0.07 0.00	40.25 -0.04 0.00	43.04 0.04 0.00	47.57 0.33 0.00	54.15 0.85 0.00	58.00 0.80 0.00	72.06 0.99 0.00	67.99 0.47 0.00	62.66 0.68 0.00	57.84 0.85 0.00	49.95 0.64 0.00	44.39 0.53 0.00
GOODYEAR_LAKE_HYD 323669	38.95 2.00 0.00	35.58 1.82 0.00	31.56 1.59 0.00	30.06 1.54 0.00	30.09 1.57 0.00	29.61 1.60 0.00	29.44 1.53 0.00	29.78 1.47 0.00	29.64 1.41 0.00	31.80 1.46 0.00	32.75 1.44 0.00	36.58 1.64 0.00	39.27 1.83 0.00	42.22 1.93 0.00	45.10 2.11 0.00	49.50 2.27 0.00	55.91 2.61 0.00	60.00 2.80 0.00	75.12 4.05 0.00	71.44 3.92 0.00	65.69 3.72 0.00	59.95 2.96 0.00	51.78 2.47 0.00	46.01 2.15 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	37.51 0.55 0.00	34.29 0.54 0.00	30.42 0.45 0.00	28.86 0.34 0.00	28.83 0.31 0.00	28.32 0.31 0.00	28.27 0.36 0.00	28.71 0.40 0.00	28.53 0.31 0.00	30.77 0.42 0.00	31.78 0.47 0.00	35.50 0.56 0.00	37.99 0.56 0.00	40.85 0.56 0.00	43.68 0.69 0.00	48.13 0.90 0.00	54.52 1.23 0.00	58.34 1.14 0.00	72.63 1.56 0.00	68.87 1.35 0.00	63.28 1.30 0.00	57.84 0.85 0.00	49.95 0.64 0.00	44.47 0.61 0.00



GOUDEY___7 23579	37.51 0.55 0.00	34.29 0.54 0.00	30.42 0.45 0.00	28.86 0.34 0.00	28.83 0.31 0.00	28.32 0.31 0.00	28.27 0.36 0.00	28.71 0.40 0.00	28.53 0.31 0.00	30.77 0.42 0.00	31.78 0.47 0.00	35.50 0.56 0.00	37.99 0.56 0.00	40.85 0.56 0.00	43.68 0.69 0.00	48.13 0.90 0.00	54.52 1.23 0.00	58.34 1.14 0.00	72.63 1.56 0.00	68.87 1.35 0.00	63.28 1.30 0.00	57.84 0.85 0.00	49.95 0.64 0.00	44.47 0.61 0.00
GOUDEY___8 23580	37.51 0.55 0.00	34.29 0.54 0.00	30.42 0.45 0.00	28.86 0.34 0.00	28.83 0.31 0.00	28.32 0.31 0.00	28.27 0.36 0.00	28.71 0.40 0.00	28.53 0.31 0.00	30.77 0.42 0.00	31.78 0.47 0.00	35.50 0.56 0.00	37.99 0.56 0.00	40.85 0.56 0.00	43.68 0.69 0.00	48.13 0.90 0.00	54.52 1.23 0.00	58.34 1.14 0.00	72.63 1.56 0.00	68.87 1.35 0.00	63.28 1.30 0.00	57.84 0.85 0.00	49.95 0.64 0.00	44.47 0.61 0.00
GOWANUS_GT1_1 24077	40.80 3.84 -0.01	37.03 3.27 -0.01	32.95 2.97 -0.01	31.35 2.82 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.58 2.68 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.41 3.55 0.00
GOWANUS_GT1_2 24078	40.80 3.84 -0.01	37.03 3.27 -0.01	32.95 2.97 -0.01	31.35 2.82 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.58 2.68 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.41 3.55 0.00
GOWANUS_GT1_3 24079	40.80 3.84 -0.01	37.03 3.27 -0.01	32.95 2.97 -0.01	31.35 2.82 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.58 2.68 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.41 3.55 0.00
GOWANUS_GT1_4 24080	40.80 3.84 -0.01	37.03 3.27 -0.01	32.95 2.97 -0.01	31.35 2.82 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.58 2.68 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.41 3.55 0.00
GOWANUS_GT1_5 24084	40.80 3.84 -0.01	37.03 3.27 -0.01	32.95 2.97 -0.01	31.35 2.82 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.58 2.68 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.41 3.55 0.00
GOWANUS_GT1_6 24111	40.80 3.84 -0.01	37.03 3.27 -0.01	32.95 2.97 -0.01	31.35 2.82 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.58 2.68 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.41 3.55 0.00
GOWANUS_GT1_7 24112	40.80 3.84 -0.01	37.03 3.27 -0.01	32.95 2.97 -0.01	31.35 2.82 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.58 2.68 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.41 3.55 0.00
GOWANUS_GT1_8 24113	40.80 3.84 -0.01	37.03 3.27 -0.01	32.95 2.97 -0.01	31.35 2.82 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.58 2.68 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.41 3.55 0.00
GOWANUS_GT2_1 24114	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.33 2.80 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.53 3.19 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.05 4.59 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.06 5.54 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.47 3.16 0.00	47.37 3.51 0.00
GOWANUS_GT2_2 24115	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.33 2.80 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.53 3.19 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.05 4.59 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.06 5.54 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.47 3.16 0.00	47.37 3.51 0.00
GOWANUS_GT2_3 24116	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.33 2.80 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.53 3.19 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.05 4.59 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.06 5.54 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.47 3.16 0.00	47.37 3.51 0.00
GOWANUS_GT2_4 24117	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.33 2.80 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.53 3.19 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.05 4.59 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.06 5.54 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.47 3.16 0.00	47.37 3.51 0.00
GOWANUS_GT2_5 24118	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.33 2.80 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.53 3.19 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.05 4.59 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.06 5.54 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.47 3.16 0.00	47.37 3.51 0.00



GOWANUS_GT2_6 24119	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.33 2.80 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.53 3.19 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.05 4.59 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.06 5.54 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.47 3.16 0.00	47.37 3.51 0.00
GOWANUS_GT2_7 24120	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.33 2.80 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.53 3.19 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.05 4.59 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.06 5.54 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.47 3.16 0.00	47.37 3.51 0.00
GOWANUS_GT2_8 24121	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.33 2.80 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.53 3.19 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.05 4.59 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.06 5.54 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.47 3.16 0.00	47.37 3.51 0.00
GOWANUS_GT3_1 24122	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
GOWANUS_GT3_2 24123	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
GOWANUS_GT3_3 24124	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
GOWANUS_GT3_4 24125	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
GOWANUS_GT3_5 24126	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
GOWANUS_GT3_6 24127	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
GOWANUS_GT3_7 24128	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
GOWANUS_GT3_8 24129	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
GOWANUS_GT4_1 24130	40.80 3.84 -0.01	37.03 3.27 -0.01	32.92 2.94 -0.01	31.33 2.80 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.37 3.51 0.00
GOWANUS_GT4_2 24131	40.80 3.84 -0.01	37.03 3.27 -0.01	32.92 2.94 -0.01	31.33 2.80 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.37 3.51 0.00
GOWANUS_GT4_3 24132	40.80 3.84 -0.01	37.03 3.27 -0.01	32.92 2.94 -0.01	31.33 2.80 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.37 3.51 0.00
GOWANUS_GT4_4 24133	40.80 3.84 -0.01	37.03 3.27 -0.01	32.92 2.94 -0.01	31.33 2.80 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.37 3.51 0.00



GOWANUS_GT4_5 24134	40.80 3.84 -0.01	37.03 3.27 -0.01	32.92 2.94 -0.01	31.33 2.80 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.37 3.51 0.00
GOWANUS_GT4_6 24135	40.80 3.84 -0.01	37.03 3.27 -0.01	32.92 2.94 -0.01	31.33 2.80 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.37 3.51 0.00
GOWANUS_GT4_7 24136	40.80 3.84 -0.01	37.03 3.27 -0.01	32.92 2.94 -0.01	31.33 2.80 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.37 3.51 0.00
GOWANUS_GT4_8 24137	40.80 3.84 -0.01	37.03 3.27 -0.01	32.92 2.94 -0.01	31.33 2.80 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.37 3.51 0.00
GREATVR_69_KV_BK1 356245	42.05 5.10 0.00	38.14 4.39 0.00	33.93 3.96 0.00	32.23 3.71 0.00	32.08 3.56 0.00	31.49 3.47 0.00	31.34 3.43 0.00	32.08 3.77 0.00	32.18 3.95 0.00	34.70 4.34 -0.01	46.29 4.23 -10.75	48.32 4.79 -8.59	53.22 5.28 -10.51	51.74 5.84 -5.61	58.55 5.89 -9.67	82.58 6.33 -29.01	65.03 6.56 -5.18	66.40 7.04 -2.16	90.48 9.24 -10.18	77.65 8.37 -1.76	70.38 7.13 -1.28	62.05 5.07 0.00	54.72 4.54 -0.87	48.64 4.78 0.00
GREENBSH_115KV_TB3 55895	37.95 1.00 0.00	34.60 0.84 0.00	30.72 0.75 0.00	29.26 0.74 0.00	29.26 0.74 0.00	28.77 0.76 0.00	28.60 0.70 0.00	28.96 0.65 0.00	28.82 0.59 0.00	30.92 0.58 0.00	31.88 0.56 0.00	35.53 0.59 0.00	37.99 0.56 0.00	40.82 0.68 0.15	43.66 0.69 0.02	47.94 0.71 0.01	53.99 0.69 0.00	58.06 0.86 0.00	72.42 1.35 0.00	68.80 1.28 0.00	63.03 1.05 0.00	57.49 0.51 0.00	49.90 0.59 0.00	44.43 0.57 0.00
GREENDGE_115KV_TB5 80291	37.43 0.48 0.00	34.19 0.44 0.00	30.30 0.33 0.00	28.66 0.14 0.00	28.60 0.09 0.00	28.07 0.06 0.00	28.05 0.14 0.00	28.48 0.17 0.00	28.20 -0.03 0.00	30.46 0.12 0.00	31.56 0.25 0.00	35.33 0.38 0.00	37.77 0.34 0.00	40.57 0.28 0.00	43.42 0.43 0.00	47.57 0.33 0.00	54.15 0.85 0.00	58.11 0.92 0.00	72.56 1.49 0.00	68.94 1.42 0.00	63.28 1.30 0.00	58.01 1.03 0.00	49.95 0.64 0.00	44.74 0.88 0.00
GREENIDGE___3 23582	37.43 0.48 0.00	34.19 0.44 0.00	30.30 0.33 0.00	28.66 0.14 0.00	28.60 0.09 0.00	28.07 0.06 0.00	28.05 0.14 0.00	28.48 0.17 0.00	28.20 -0.03 0.00	30.46 0.12 0.00	31.56 0.25 0.00	35.33 0.38 0.00	37.77 0.34 0.00	40.57 0.28 0.00	43.42 0.43 0.00	47.57 0.33 0.00	54.15 0.85 0.00	58.11 0.92 0.00	72.56 1.49 0.00	68.94 1.42 0.00	63.28 1.30 0.00	58.01 1.03 0.00	49.95 0.64 0.00	44.74 0.88 0.00
GREENIDGE___4 23583	37.43 0.48 0.00	34.22 0.47 0.00	30.39 0.42 0.00	28.67 0.14 0.00	28.66 0.14 0.00	28.07 0.06 0.00	28.05 0.14 0.00	28.48 0.17 0.00	28.20 -0.03 0.00	30.46 0.12 0.00	31.56 0.25 0.00	35.33 0.39 0.00	37.77 0.34 0.00	40.61 0.32 0.00	43.47 0.47 0.00	48.04 0.80 0.00	54.15 0.85 0.00	58.17 0.97 0.00	72.56 1.49 0.00	68.94 1.42 0.00	63.34 1.36 0.00	57.95 0.97 0.00	49.95 0.64 0.00	44.78 0.92 0.00
GREENLWN_69_KV_BK 3 55738	40.98 4.03 0.00	37.20 3.44 0.00	33.09 3.12 0.00	31.49 2.97 0.00	31.40 2.88 0.00	30.82 2.80 0.00	30.70 2.79 0.00	31.40 3.09 0.00	31.44 3.22 0.00	33.82 3.46 -0.01	45.32 3.26 -10.75	47.10 3.56 -8.59	51.76 3.82 -10.51	49.99 4.11 -5.59	47.52 4.30 -0.23	42.12 4.49 9.61	62.38 4.48 -4.61	63.86 4.75 -1.91	63.92 6.32 13.47	74.68 5.60 -1.56	67.82 4.71 -1.13	59.83 2.85 0.00	52.95 2.86 -0.78	46.89 3.03 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	40.80 3.84 -0.01	37.03 3.27 -0.01	32.95 2.97 -0.01	31.35 2.82 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.58 2.68 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.41 3.55 0.00
GRISSOM___SOLAR 323813	39.98 3.03 0.00	36.39 2.63 0.00	32.19 2.22 0.00	30.60 2.08 0.00	30.63 2.11 0.00	30.12 2.10 0.00	29.80 1.90 0.00	29.90 1.58 0.00	29.63 1.41 0.00	31.77 1.43 0.00	32.66 1.35 0.00	36.41 1.47 0.00	38.66 1.23 0.00	41.49 1.37 0.17	44.65 1.68 0.02	49.12 1.89 0.01	55.64 2.34 0.00	60.23 3.03 0.00	75.83 4.76 0.00	72.79 5.27 0.00	67.11 5.14 0.00	61.37 4.39 0.00	53.26 3.95 0.00	47.19 3.33 0.00
GROVEVILLE___HYD 323602	40.13 3.18 0.00	36.52 2.77 0.00	32.43 2.46 0.00	30.89 2.37 0.00	30.83 2.31 0.00	30.29 2.27 0.00	30.19 2.29 0.00	30.69 2.38 0.00	30.68 2.46 0.00	32.89 2.55 0.00	33.82 2.51 0.00	37.77 2.83 0.00	40.69 3.26 0.00	44.06 3.67 -0.11	46.87 3.87 -0.01	51.40 4.16 0.00	57.67 4.37 0.00	61.94 4.75 0.00	77.60 6.54 0.00	73.33 5.81 0.00	67.06 5.08 0.00	60.57 3.59 0.00	52.47 3.16 0.00	46.89 3.03 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	37.03 0.07 0.00	33.85 0.10 0.00	30.03 0.06 0.00	28.52 0.00 0.00	28.49 -0.03 0.00	27.99 -0.03 0.00	27.91 0.00 0.00	28.34 0.03 0.00	28.17 -0.06 0.00	30.37 0.03 0.00	31.28 -0.03 0.00	34.91 -0.03 0.00	37.39 -0.04 0.00	40.21 -0.08 0.00	42.95 -0.04 0.00	47.28 0.05 0.00	53.51 0.21 0.00	57.43 0.23 0.00	71.56 0.50 0.00	67.99 0.47 0.00	62.35 0.37 0.00	57.15 0.17 0.00	49.36 0.05 0.00	43.86 0.00 0.00
HAMLTNNY_34_KV_TB 80303	37.14 0.18 0.00	33.92 0.17 0.00	30.09 0.12 0.00	28.55 0.03 0.00	28.52 0.00 0.00	27.99 -0.03 0.00	27.91 0.00 0.00	28.37 0.06 0.00	28.20 -0.03 0.00	30.43 0.09 0.00	31.38 0.06 0.00	35.08 0.14 0.00	37.54 0.11 0.00	40.37 0.08 0.00	43.12 0.13 0.00	47.47 0.24 0.00	53.78 0.48 0.00	57.71 0.51 0.00	71.92 0.85 0.00	68.26 0.74 0.00	62.66 0.68 0.00	57.44 0.46 0.00	49.56 0.25 0.00	44.08 0.22 0.00



HAMPSHIRE___PAPER_HYD 323593	36.58 -0.37 0.00	33.55 -0.20 0.00	29.79 -0.18 0.00	28.35 -0.17 0.00	28.37 -0.14 0.00	27.93 -0.08 0.00	27.71 -0.19 0.00	27.97 -0.34 0.00	27.86 -0.37 0.00	29.95 -0.40 0.00	30.91 -0.41 0.00	34.38 -0.56 0.00	36.91 -0.52 0.00	39.60 -0.69 0.00	42.39 -0.60 0.00	46.67 -0.56 0.00	52.71 -0.59 0.00	56.86 -0.34 0.00	71.57 0.50 0.00	68.46 0.94 0.00	63.03 1.05 0.00	58.01 1.03 0.00	50.05 0.74 0.00	44.12 0.26 0.00
HARDSCRABBLE_WT_PWR 323673	36.70 -0.26 0.00	33.52 -0.23 0.00	29.76 -0.21 0.00	28.35 -0.17 0.00	28.37 -0.14 0.00	27.93 -0.08 0.00	27.79 -0.11 0.00	28.20 -0.11 0.00	28.11 -0.11 0.00	30.16 -0.18 0.00	31.06 -0.25 0.00	34.70 -0.24 0.00	37.17 -0.26 0.00	39.97 -0.32 0.00	42.56 -0.43 0.00	46.76 -0.47 0.00	52.76 -0.53 0.00	56.74 -0.46 0.00	70.78 -0.28 0.00	67.38 -0.13 0.00	61.91 -0.06 0.00	56.98 0.00 0.00	49.31 0.00 0.00	43.82 -0.04 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	39.95 2.99 0.00	36.35 2.60 0.00	32.28 2.31 0.00	30.75 2.22 0.00	30.68 2.17 0.00	30.15 2.13 0.00	30.05 2.15 0.00	30.58 2.26 0.00	30.59 2.37 0.00	32.83 2.49 0.00	33.79 2.47 0.00	37.77 2.83 0.00	40.65 3.22 0.00	44.06 3.63 -0.14	46.83 3.83 -0.01	51.30 4.06 -0.01	57.51 4.21 0.00	61.66 4.46 0.00	77.11 6.04 0.00	72.85 5.33 0.00	66.62 4.65 0.00	60.17 3.19 0.00	52.07 2.76 0.00	46.62 2.76 0.00
HARSNRAD_115KV_TB1 81005	36.62 -0.33 0.00	33.52 -0.24 0.00	29.76 -0.21 0.00	27.92 -0.60 0.00	27.75 -0.77 0.00	27.26 -0.76 0.00	27.32 -0.59 0.00	27.86 -0.45 0.00	27.52 -0.71 0.00	29.95 -0.39 0.00	31.25 -0.06 0.00	34.87 -0.07 0.00	37.09 -0.34 0.00	39.73 -0.56 0.00	42.35 -0.64 0.00	46.86 -0.38 0.00	53.51 0.21 0.00	57.14 -0.06 0.00	70.50 -0.57 0.00	66.17 -1.35 0.00	61.11 -0.87 0.00	56.18 -0.80 0.00	48.92 -0.39 0.00	43.73 -0.13 0.00
HARZA MOOSE___RIVER 24016	37.25 0.30 0.00	34.12 0.37 0.00	30.27 0.30 0.00	28.84 0.31 0.00	28.86 0.34 0.00	28.46 0.45 0.00	28.24 0.33 0.00	28.59 0.28 0.00	28.45 0.23 0.00	30.61 0.27 0.00	31.47 0.16 0.00	34.98 0.03 0.00	37.51 0.07 0.00	40.21 -0.08 0.00	43.04 0.04 0.00	47.38 0.14 0.00	53.62 0.32 0.00	57.83 0.63 0.00	72.91 1.85 0.00	69.61 2.09 0.00	64.02 2.05 0.00	58.46 1.48 0.00	50.30 0.99 0.00	44.43 0.57 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	36.84 -0.11 0.00	33.68 -0.07 0.00	29.88 -0.09 0.00	28.38 -0.14 0.00	28.35 -0.17 0.00	27.85 -0.17 0.00	27.77 -0.14 0.00	28.20 -0.11 0.00	28.03 -0.20 0.00	30.22 -0.12 0.00	31.13 -0.19 0.00	34.73 -0.21 0.00	37.21 -0.22 0.00	40.01 -0.28 0.00	42.73 -0.26 0.00	47.00 -0.24 0.00	53.19 -0.11 0.00	57.08 -0.11 0.00	71.14 0.07 0.00	67.52 0.00 0.00	61.97 0.00 0.00	56.75 -0.23 0.00	49.02 -0.30 0.00	43.60 -0.26 0.00
HELLGATE_13_KV_LD 55870	40.80 3.84 -0.01	37.07 3.31 -0.01	32.98 3.00 -0.01	31.38 2.85 -0.01	31.32 2.79 -0.01	30.71 2.69 0.00	30.61 2.71 0.00	31.23 2.92 0.00	31.27 3.05 0.00	33.62 3.28 0.00	34.57 3.26 0.00	38.68 3.74 0.00	41.55 4.12 0.00	45.12 4.67 -0.16	47.70 4.69 -0.02	52.06 4.82 -0.01	57.99 4.69 0.00	62.06 4.86 0.00	77.53 6.47 0.00	73.33 5.81 0.00	66.99 5.02 0.00	60.34 3.36 0.00	52.67 3.35 0.00	47.41 3.55 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	40.80 3.84 -0.01	37.07 3.31 -0.01	32.98 3.00 -0.01	31.38 2.85 -0.01	31.32 2.79 -0.01	30.71 2.69 0.00	30.61 2.71 0.00	31.23 2.92 0.00	31.27 3.05 0.00	33.62 3.28 0.00	34.57 3.26 0.00	38.68 3.74 0.00	41.55 4.12 0.00	45.12 4.67 -0.16	47.70 4.69 -0.02	52.06 4.82 -0.01	57.99 4.69 0.00	62.06 4.86 0.00	77.53 6.47 0.00	73.33 5.81 0.00	66.99 5.02 0.00	60.34 3.36 0.00	52.67 3.35 0.00	47.41 3.55 0.00
HEMPSTEAD___ 23647	40.84 3.88 -0.01	37.14 3.37 -0.01	32.95 2.97 -0.01	31.44 2.91 -0.01	31.29 2.77 -0.01	30.73 2.72 0.00	30.67 2.76 0.00	31.32 3.00 -0.01	31.34 3.10 -0.01	33.69 3.34 -0.01	45.32 3.26 -10.75	47.24 3.70 -8.59	52.02 4.08 -10.51	50.64 4.47 -5.88	59.10 4.69 -11.42	58.08 4.91 -5.93	78.10 5.12 -19.68	70.82 5.44 -8.19	81.49 7.11 -3.32	80.49 6.34 -6.62	72.29 5.45 -4.86	60.69 3.70 -0.01	56.47 3.65 -3.51	47.24 3.38 0.00
HICKLING___1 23621	37.36 0.41 0.00	34.16 0.41 0.00	30.30 0.33 0.00	28.64 0.11 0.00	28.57 0.06 0.00	28.07 0.06 0.00	28.05 0.14 0.00	28.45 0.14 0.00	28.20 -0.03 0.00	30.49 0.15 0.00	31.66 0.34 0.00	35.43 0.49 0.00	37.88 0.45 0.00	40.65 0.36 0.00	43.51 0.52 0.00	48.09 0.85 0.00	54.68 1.39 0.00	58.46 1.26 0.00	72.77 1.71 0.00	69.00 1.49 0.00	63.46 1.49 0.00	58.01 1.03 0.00	50.00 0.69 0.00	44.60 0.75 0.00
HICKLING___2 23622	37.36 0.41 0.00	34.16 0.41 0.00	30.30 0.33 0.00	28.64 0.11 0.00	28.57 0.06 0.00	28.07 0.06 0.00	28.05 0.14 0.00	28.45 0.14 0.00	28.20 -0.03 0.00	30.49 0.15 0.00	31.66 0.34 0.00	35.43 0.49 0.00	37.88 0.45 0.00	40.65 0.36 0.00	43.51 0.52 0.00	48.09 0.85 0.00	54.68 1.39 0.00	58.46 1.26 0.00	72.77 1.71 0.00	69.00 1.49 0.00	63.46 1.49 0.00	58.01 1.03 0.00	50.00 0.69 0.00	44.60 0.75 0.00
HIGH FALLS___HY 23754	40.09 3.14 0.00	36.49 2.73 0.00	32.40 2.43 0.00	30.86 2.34 0.00	30.80 2.28 0.00	30.26 2.24 0.00	30.17 2.26 0.00	30.69 2.38 0.00	30.71 2.48 0.00	32.92 2.58 0.00	33.82 2.51 0.00	37.81 2.87 0.00	40.76 3.33 0.00	44.11 3.75 -0.08	46.96 3.96 -0.01	51.54 4.30 0.00	57.83 4.53 0.00	62.06 4.86 0.00	77.89 6.82 0.00	73.53 6.01 0.00	67.24 5.27 0.00	60.69 3.70 0.00	52.42 3.11 0.00	46.89 3.03 0.00
HIGH_RIVER___SOLAR 323847	39.06 2.11 0.00	35.57 1.82 0.00	31.50 1.53 0.00	30.00 1.48 0.00	30.00 1.48 0.00	29.50 1.48 0.00	29.25 1.34 0.00	29.39 1.08 0.00	29.07 0.85 0.00	31.07 0.73 0.00	31.97 0.66 0.00	35.50 0.56 0.00	37.88 0.45 0.00	40.63 0.52 0.18	43.62 0.65 0.02	47.94 0.71 0.01	54.20 0.91 0.00	58.74 1.54 0.00	73.98 2.91 0.00	70.89 3.37 0.00	65.32 3.34 0.00	59.77 2.79 0.00	51.83 2.51 0.00	46.01 2.15 0.00
HILLBURN___GT 23639	39.98 3.03 0.00	36.35 2.60 0.00	32.25 2.28 0.00	30.75 2.23 0.00	30.63 2.11 0.00	30.14 2.13 0.00	30.05 2.15 0.00	30.63 2.32 0.00	30.65 2.43 0.00	32.95 2.61 0.00	33.91 2.60 0.00	37.91 2.97 0.00	40.73 3.29 0.00	44.10 3.67 -0.14	46.88 3.87 -0.02	51.25 4.01 -0.01	57.46 4.16 0.00	61.60 4.40 0.00	76.90 5.83 0.00	72.65 5.13 0.00	66.37 4.40 0.00	60.00 3.02 0.00	51.97 2.66 0.00	46.49 2.63 0.00
HILLSIDE_115KV_TB1 80332	36.95 0.00 0.00	33.79 0.03 0.00	29.97 0.00 0.00	28.35 -0.17 0.00	28.29 -0.23 0.00	27.79 -0.22 0.00	27.77 -0.14 0.00	28.20 -0.11 0.00	27.97 -0.25 0.00	30.25 -0.09 0.00	31.38 0.06 0.00	35.08 0.14 0.00	37.51 0.07 0.00	40.29 0.00 0.00	43.12 0.13 0.00	47.57 0.33 0.00	54.10 0.80 0.00	57.77 0.57 0.00	71.85 0.78 0.00	67.99 0.47 0.00	62.53 0.56 0.00	57.15 0.17 0.00	49.26 -0.05 0.00	43.95 0.09 0.00



HISHELDN_WT_PWR 323625	36.73 -0.22 0.00	33.69 -0.07 0.00	30.06 0.09 0.00	28.06 -0.46 0.00	28.12 -0.40 0.00	27.48 -0.53 0.00	27.49 -0.42 0.00	27.92 -0.40 0.00	27.60 -0.62 0.00	29.98 -0.36 0.00	31.25 -0.06 0.00	34.98 0.03 0.00	37.24 -0.19 0.00	40.01 -0.28 0.00	42.69 -0.30 0.00	47.19 -0.05 0.00	53.72 0.42 0.00	57.43 0.23 0.00	71.07 0.00 0.00	67.12 -0.40 0.00	62.10 0.12 0.00	56.75 -0.23 0.00	49.31 0.00 0.00	44.17 0.31 0.00
HOLTSVILLE_IC_1 23690	41.36 4.40 -0.01	37.57 3.81 -0.01	33.34 3.36 -0.01	31.75 3.22 -0.01	31.55 3.02 -0.01	30.98 2.97 0.00	30.89 2.99 0.00	31.66 3.34 -0.01	31.76 3.53 -0.01	34.18 3.82 -0.01	45.67 3.60 -10.75	47.59 4.05 -8.59	52.40 4.45 -10.51	50.71 4.83 -5.59	60.90 4.77 -13.14	64.96 4.96 -12.77	62.24 5.07 -3.87	64.31 5.49 -1.62	90.10 7.17 -11.86	75.31 6.48 -1.31	68.31 5.39 -0.95	60.57 3.59 0.00	53.21 3.25 -0.64	47.28 3.42 0.00
HOLTSVILLE_IC_10 23699	41.62 4.66 -0.01	37.74 3.98 -0.01	33.52 3.54 -0.01	31.89 3.36 -0.01	31.69 3.17 -0.01	31.13 3.11 0.00	31.03 3.12 0.00	31.77 3.45 -0.01	31.90 3.67 -0.01	34.36 4.00 -0.01	45.88 3.82 -10.75	47.87 4.33 -8.59	52.70 4.75 -10.51	51.09 5.20 -5.60	62.36 5.20 -14.17	72.45 5.48 -19.73	63.13 5.65 -4.18	65.07 6.12 -1.75	98.83 7.96 -19.81	76.08 7.15 -1.41	69.01 6.01 -1.03	61.14 4.16 0.00	53.65 3.65 -0.69	47.63 3.77 0.00
HOLTSVILLE_IC_2 23691	41.36 4.40 -0.01	37.57 3.81 -0.01	33.34 3.36 -0.01	31.75 3.22 -0.01	31.55 3.02 -0.01	30.98 2.97 0.00	30.89 2.99 0.00	31.66 3.34 -0.01	31.76 3.53 -0.01	34.18 3.82 -0.01	45.67 3.60 -10.75	47.59 4.05 -8.59	52.40 4.45 -10.51	50.71 4.83 -5.59	60.90 4.77 -13.14	64.96 4.96 -12.77	62.24 5.07 -3.87	64.31 5.49 -1.62	90.10 7.17 -11.86	75.31 6.48 -1.31	68.31 5.39 -0.95	60.57 3.59 0.00	53.21 3.25 -0.64	47.28 3.42 0.00
HOLTSVILLE_IC_3 23692	41.36 4.40 -0.01	37.57 3.81 -0.01	33.34 3.36 -0.01	31.75 3.22 -0.01	31.55 3.02 -0.01	30.98 2.97 0.00	30.89 2.99 0.00	31.66 3.34 -0.01	31.76 3.53 -0.01	34.18 3.82 -0.01	45.67 3.60 -10.75	47.59 4.05 -8.59	52.40 4.45 -10.51	50.71 4.83 -5.59	60.90 4.77 -13.14	64.96 4.96 -12.77	62.24 5.07 -3.87	64.31 5.49 -1.62	90.10 7.17 -11.86	75.31 6.48 -1.31	68.31 5.39 -0.95	60.57 3.59 0.00	53.21 3.25 -0.64	47.28 3.42 0.00
HOLTSVILLE_IC_4 23693	41.36 4.40 -0.01	37.57 3.81 -0.01	33.34 3.36 -0.01	31.75 3.22 -0.01	31.55 3.02 -0.01	30.98 2.97 0.00	30.89 2.99 0.00	31.66 3.34 -0.01	31.76 3.53 -0.01	34.18 3.82 -0.01	45.67 3.60 -10.75	47.59 4.05 -8.59	52.40 4.45 -10.51	50.71 4.83 -5.59	60.90 4.77 -13.14	64.96 4.96 -12.77	62.24 5.07 -3.87	64.31 5.49 -1.62	90.10 7.17 -11.86	75.31 6.48 -1.31	68.31 5.39 -0.95	60.57 3.59 0.00	53.21 3.25 -0.64	47.28 3.42 0.00
HOLTSVILLE_IC_5 23694	41.36 4.40 -0.01	37.57 3.81 -0.01	33.34 3.36 -0.01	31.75 3.22 -0.01	31.55 3.02 -0.01	30.98 2.97 0.00	30.89 2.99 0.00	31.66 3.34 -0.01	31.76 3.53 -0.01	34.18 3.82 -0.01	45.67 3.60 -10.75	47.59 4.05 -8.59	52.40 4.45 -10.51	50.71 4.83 -5.59	60.90 4.77 -13.14	64.96 4.96 -12.77	62.24 5.07 -3.87	64.31 5.49 -1.62	90.10 7.17 -11.86	75.31 6.48 -1.31	68.31 5.39 -0.95	60.57 3.59 0.00	53.21 3.25 -0.64	47.28 3.42 0.00
HOLTSVILLE_IC_6 23695	41.62 4.66 -0.01	37.74 3.98 -0.01	33.52 3.54 -0.01	31.89 3.36 -0.01	31.69 3.17 -0.01	31.13 3.11 0.00	31.03 3.12 0.00	31.77 3.45 -0.01	31.90 3.67 -0.01	34.36 4.00 -0.01	45.88 3.82 -10.75	47.87 4.33 -8.59	52.70 4.75 -10.51	51.09 5.20 -5.60	62.36 5.20 -14.17	72.45 5.48 -19.73	63.13 5.65 -4.18	65.07 6.12 -1.75	98.83 7.96 -19.81	76.08 7.15 -1.41	69.01 6.01 -1.03	61.14 4.16 0.00	53.65 3.65 -0.69	47.63 3.77 0.00
HOLTSVILLE_IC_7 23696	41.62 4.66 -0.01	37.74 3.98 -0.01	33.52 3.54 -0.01	31.89 3.36 -0.01	31.69 3.17 -0.01	31.13 3.11 0.00	31.03 3.12 0.00	31.77 3.45 -0.01	31.90 3.67 -0.01	34.36 4.00 -0.01	45.88 3.82 -10.75	47.87 4.33 -8.59	52.70 4.75 -10.51	51.09 5.20 -5.60	62.36 5.20 -14.17	72.45 5.48 -19.73	63.13 5.65 -4.18	65.07 6.12 -1.75	98.83 7.96 -19.81	76.08 7.15 -1.41	69.01 6.01 -1.03	61.14 4.16 0.00	53.65 3.65 -0.69	47.63 3.77 0.00
HOLTSVILLE_IC_8 23697	41.62 4.66 -0.01	37.74 3.98 -0.01	33.52 3.54 -0.01	31.89 3.36 -0.01	31.69 3.17 -0.01	31.13 3.11 0.00	31.03 3.12 0.00	31.77 3.45 -0.01	31.90 3.67 -0.01	34.36 4.00 -0.01	45.88 3.82 -10.75	47.87 4.33 -8.59	52.70 4.75 -10.51	51.09 5.20 -5.60	62.36 5.20 -14.17	72.45 5.48 -19.73	63.13 5.65 -4.18	65.07 6.12 -1.75	98.83 7.96 -19.81	76.08 7.15 -1.41	69.01 6.01 -1.03	61.14 4.16 0.00	53.65 3.65 -0.69	47.63 3.77 0.00
HOLTSVILLE_IC_9 23698	41.62 4.66 -0.01	37.74 3.98 -0.01	33.52 3.54 -0.01	31.89 3.36 -0.01	31.69 3.17 -0.01	31.13 3.11 0.00	31.03 3.12 0.00	31.77 3.45 -0.01	31.90 3.67 -0.01	34.36 4.00 -0.01	45.88 3.82 -10.75	47.87 4.33 -8.59	52.70 4.75 -10.51	51.09 5.20 -5.60	62.36 5.20 -14.17	72.45 5.48 -19.73	63.13 5.65 -4.18	65.07 6.12 -1.75	98.83 7.96 -19.81	76.08 7.15 -1.41	69.01 6.01 -1.03	61.14 4.16 0.00	53.65 3.65 -0.69	47.63 3.77 0.00
HOMER_HL_115KV_TB2 355744	36.29 -0.67 0.00	33.25 -0.51 0.00	29.52 -0.45 0.00	27.75 -0.77 0.00	27.63 -0.88 0.00	27.15 -0.87 0.00	27.18 -0.73 0.00	27.66 -0.65 0.00	27.49 -0.73 0.00	29.92 -0.42 0.00	31.22 -0.09 0.00	34.91 -0.03 0.00	37.21 -0.22 0.00	39.89 -0.40 0.00	42.73 -0.26 0.00	47.42 0.19 0.00	54.15 0.85 0.00	57.66 0.46 0.00	71.14 0.07 0.00	66.91 -0.61 0.00	61.66 -0.31 0.00	56.36 -0.63 0.00	48.72 -0.59 0.00	43.51 -0.35 0.00
HOWARD_WT_PWR 323690	37.25 0.29 0.00	34.12 0.37 0.00	30.36 0.39 0.00	28.49 -0.03 0.00	28.55 0.03 0.00	27.96 -0.06 0.00	27.93 0.03 0.00	28.28 -0.03 0.00	27.94 -0.28 0.00	30.28 -0.06 0.00	31.50 0.19 0.00	35.33 0.39 0.00	37.73 0.30 0.00	40.53 0.24 0.00	43.38 0.39 0.00	47.99 0.75 0.00	54.52 1.23 0.00	58.45 1.26 0.00	72.77 1.70 0.00	69.21 1.69 0.00	63.96 1.98 0.00	58.41 1.43 0.00	50.45 1.14 0.00	45.09 1.23 0.00
HQ_GEN_CEDARS 23644	36.40 -0.55 0.00	33.35 -0.41 0.00	29.67 -0.30 0.00	28.21 -0.31 0.00	28.20 -0.31 0.00	27.68 -0.34 0.00	27.52 -0.39 0.00	27.92 -0.40 0.00	27.86 -0.37 0.00	29.89 -0.46 0.00	31.06 -0.25 0.00	34.70 -0.24 0.00	37.28 -0.15 0.00	40.01 -0.28 0.00	42.78 -0.21 0.00	47.05 -0.19 0.00	52.87 -0.43 0.00	56.80 -0.40 0.00	70.57 -0.50 0.00	67.25 -0.27 0.00	61.91 -0.06 0.00	57.55 0.57 0.00	49.80 0.49 0.00	44.17 0.31 0.00
HQ_GEN_CEDARS_PROXY 323590	36.40 -0.55 0.00	33.35 -0.40 0.00	29.64 -0.33 0.00	28.21 -0.31 0.00	28.20 -0.31 0.00	27.68 -0.33 0.00	27.52 -0.39 0.00	27.92 -0.40 0.00	27.86 -0.37 0.00	29.89 -0.45 0.00	31.06 -0.25 0.00	34.70 -0.24 0.00	37.28 -0.15 0.00	40.05 -0.24 0.00	42.78 -0.21 0.00	47.09 -0.14 0.00	52.87 -0.43 0.00	60.80 -0.46 -4.06	66.51 -0.49 4.06	67.25 -0.27 0.00	61.91 -0.06 0.00	57.55 0.57 0.00	49.80 0.49 0.00	44.17 0.31 0.00



HQ_GEN_IMPORT 323601	36.44 -0.52 0.00	33.28 -0.47 0.00	29.58 -0.39 0.00	28.15 -0.37 0.00	28.15 -0.37 0.00	27.65 -0.36 0.00	27.54 -0.36 0.00	27.94 -0.37 0.00	27.91 -0.31 0.00	29.98 -0.36 0.00	31.03 -0.28 0.00	34.66 -0.28 0.00	37.17 -0.26 0.00	39.97 -0.32 0.00	42.65 -0.35 0.00	46.91 -0.33 0.00	52.87 -0.43 0.00	60.74 -0.52 -4.06	66.23 -0.78 4.06	66.84 -0.68 0.00	61.35 -0.62 0.00	56.81 -0.17 0.00	49.12 -0.20 0.00	43.64 -0.22 0.00
HQ_GEN_WHEEL 23651	36.44 -0.52 0.00	33.28 -0.47 0.00	29.58 -0.39 0.00	28.15 -0.37 0.00	28.15 -0.37 0.00	27.65 -0.36 0.00	27.54 -0.36 0.00	27.94 -0.37 0.00	27.91 -0.31 0.00	29.98 -0.36 0.00	31.03 -0.28 0.00	34.66 -0.28 0.00	37.17 -0.26 0.00	39.97 -0.32 0.00	42.65 -0.35 0.00	46.91 -0.33 0.00	52.87 -0.43 0.00	60.74 -0.52 -4.06	66.23 -0.78 4.06	66.84 -0.68 0.00	61.35 -0.62 0.00	56.81 -0.17 0.00	49.12 -0.20 0.00	43.64 -0.22 0.00
HUDSON AVE_GT_3 23810	40.50 3.55 0.00	36.79 3.04 0.00	32.73 2.76 0.00	31.17 2.65 0.00	31.11 2.60 0.00	30.54 2.52 0.00	30.50 2.60 0.00	31.11 2.80 0.00	31.16 2.94 0.00	33.50 3.16 0.00	34.44 3.13 0.00	38.50 3.56 0.00	41.36 3.93 0.00	44.88 4.43 -0.16	47.52 4.51 -0.02	51.97 4.72 -0.01	57.99 4.69 0.00	62.06 4.86 0.00	77.53 6.47 0.00	73.33 5.81 0.00	66.99 5.02 0.00	60.40 3.42 0.00	52.62 3.30 0.00	47.15 3.29 0.00
HUDSON AVE_GT_4 23540	40.50 3.55 0.00	36.79 3.04 0.00	32.73 2.76 0.00	31.17 2.65 0.00	31.11 2.60 0.00	30.54 2.52 0.00	30.50 2.60 0.00	31.11 2.80 0.00	31.16 2.94 0.00	33.50 3.16 0.00	34.44 3.13 0.00	38.50 3.56 0.00	41.36 3.93 0.00	44.88 4.43 -0.16	47.52 4.51 -0.02	51.97 4.72 -0.01	57.99 4.69 0.00	62.06 4.86 0.00	77.53 6.47 0.00	73.33 5.81 0.00	66.99 5.02 0.00	60.40 3.42 0.00	52.62 3.30 0.00	47.15 3.29 0.00
HUDSON AVE_GT_5 23657	40.50 3.55 0.00	36.79 3.04 0.00	32.73 2.76 0.00	31.17 2.65 0.00	31.11 2.60 0.00	30.54 2.52 0.00	30.50 2.60 0.00	31.11 2.80 0.00	31.16 2.94 0.00	33.50 3.16 0.00	34.44 3.13 0.00	38.50 3.56 0.00	41.36 3.93 0.00	44.88 4.43 -0.16	47.52 4.51 -0.02	51.97 4.72 -0.01	57.99 4.69 0.00	62.06 4.86 0.00	77.53 6.47 0.00	73.33 5.81 0.00	66.99 5.02 0.00	60.40 3.42 0.00	52.62 3.30 0.00	47.15 3.29 0.00
HUDSON_AVE_10 24168	40.43 3.47 0.00	36.76 3.00 0.00	32.70 2.73 0.00	31.15 2.62 0.00	31.05 2.54 0.00	30.51 2.49 0.00	30.50 2.60 0.00	31.09 2.77 0.00	31.13 2.91 0.00	33.47 3.13 0.00	34.38 3.07 0.00	38.43 3.49 0.00	41.29 3.86 0.00	44.76 4.31 -0.16	47.44 4.43 -0.02	51.82 4.58 -0.01	57.88 4.58 0.00	61.94 4.75 0.00	77.39 6.32 0.00	73.19 5.67 0.00	66.87 4.90 0.00	60.29 3.30 0.00	52.57 3.25 0.00	47.10 3.25 0.00
HUDSON___115KV_TB 4 355613	38.76 1.81 0.00	35.31 1.55 0.00	31.32 1.35 0.00	29.81 1.28 0.00	29.80 1.28 0.00	29.28 1.26 0.00	29.08 1.17 0.00	29.30 0.99 0.00	29.10 0.87 0.00	31.16 0.82 0.00	32.07 0.75 0.00	35.71 0.77 0.00	38.22 0.79 0.00	41.23 1.05 0.10	44.06 1.07 0.01	48.46 1.23 0.00	54.79 1.49 0.00	59.09 1.89 0.00	74.19 3.13 0.00	70.49 2.97 0.00	64.70 2.73 0.00	59.03 2.05 0.00	51.14 1.82 0.00	45.48 1.62 0.00
HUNTER MOUNT___DRP 323613	38.91 1.96 0.00	35.47 1.72 0.00	31.44 1.47 0.00	29.92 1.40 0.00	29.91 1.40 0.00	29.36 1.34 0.00	29.13 1.23 0.00	29.33 1.02 0.00	29.10 0.87 0.00	31.10 0.76 0.00	32.00 0.69 0.00	35.64 0.70 0.00	38.14 0.71 0.00	41.35 1.13 0.07	44.02 1.03 0.01	48.51 1.28 0.00	54.95 1.65 0.00	59.31 2.12 0.00	74.62 3.55 0.00	70.96 3.44 0.00	65.07 3.10 0.00	59.43 2.45 0.00	51.43 2.12 0.00	45.74 1.89 0.00
HUNTINGTON_RES_REC 323705	41.32 4.36 -0.01	37.51 3.75 -0.01	33.31 3.33 -0.01	31.70 3.17 -0.01	31.52 2.99 -0.01	30.96 2.94 0.00	30.86 2.96 0.00	31.60 3.28 -0.01	31.67 3.44 -0.01	34.12 3.76 -0.01	45.63 3.57 -10.75	47.52 3.98 -8.59	52.32 4.38 -10.51	50.63 4.71 -5.63	77.87 4.86 -30.03	101.53 5.10 -49.20	62.78 5.23 -4.26	64.63 5.61 -1.83	175.85 7.32 -97.46	75.41 6.48 -1.40	68.38 5.39 -1.02	60.57 3.59 0.00	53.26 3.25 -0.69	47.06 3.20 0.00
HUNTLEY___63 23557	36.66 -0.30 0.00	33.62 -0.14 0.00	29.82 -0.15 0.00	27.98 -0.54 0.00	27.80 -0.71 0.00	27.34 -0.67 0.00	27.40 -0.50 0.00	27.94 -0.37 0.00	27.66 -0.56 0.00	30.13 -0.21 0.00	31.47 0.16 0.00	35.15 0.21 0.00	37.43 0.00 0.00	40.05 -0.24 0.00	42.73 -0.26 0.00	47.28 0.05 0.00	54.04 0.75 0.00	57.71 0.51 0.00	70.92 -0.14 0.00	66.57 -0.95 0.00	61.54 -0.43 0.00	56.58 -0.40 0.00	49.21 -0.10 0.00	43.95 0.09 0.00
HUNTLEY___64 23558	36.66 -0.30 0.00	33.62 -0.14 0.00	29.82 -0.15 0.00	27.98 -0.54 0.00	27.80 -0.71 0.00	27.34 -0.67 0.00	27.40 -0.50 0.00	27.94 -0.37 0.00	27.66 -0.56 0.00	30.13 -0.21 0.00	31.47 0.16 0.00	35.15 0.21 0.00	37.43 0.00 0.00	40.05 -0.24 0.00	42.73 -0.26 0.00	47.28 0.05 0.00	54.04 0.75 0.00	57.71 0.51 0.00	70.92 -0.14 0.00	66.57 -0.95 0.00	61.54 -0.43 0.00	56.58 -0.40 0.00	49.21 -0.10 0.00	43.95 0.09 0.00
HUNTLEY___65 23559	36.66 -0.30 0.00	33.62 -0.14 0.00	29.82 -0.15 0.00	27.98 -0.54 0.00	27.80 -0.71 0.00	27.34 -0.67 0.00	27.40 -0.50 0.00	27.94 -0.37 0.00	27.66 -0.56 0.00	30.13 -0.21 0.00	31.47 0.16 0.00	35.15 0.21 0.00	37.43 0.00 0.00	40.05 -0.24 0.00	42.73 -0.26 0.00	47.28 0.05 0.00	54.04 0.75 0.00	57.71 0.51 0.00	70.92 -0.14 0.00	66.57 -0.95 0.00	61.54 -0.43 0.00	56.58 -0.40 0.00	49.21 -0.10 0.00	43.95 0.09 0.00
HUNTLEY___66 23560	36.66 -0.30 0.00	33.62 -0.14 0.00	29.82 -0.15 0.00	27.98 -0.54 0.00	27.80 -0.71 0.00	27.34 -0.67 0.00	27.40 -0.50 0.00	27.94 -0.37 0.00	27.66 -0.56 0.00	30.13 -0.21 0.00	31.47 0.16 0.00	35.15 0.21 0.00	37.43 0.00 0.00	40.05 -0.24 0.00	42.73 -0.26 0.00	47.28 0.05 0.00	54.04 0.75 0.00	57.71 0.51 0.00	70.92 -0.14 0.00	66.57 -0.95 0.00	61.54 -0.43 0.00	56.58 -0.40 0.00	49.21 -0.10 0.00	43.95 0.09 0.00
HUNTLEY___67 23561	36.47 -0.48 0.00	33.41 -0.34 0.00	29.64 -0.33 0.00	27.84 -0.68 0.00	27.69 -0.83 0.00	27.20 -0.81 0.00	27.26 -0.64 0.00	27.83 -0.48 0.00	27.57 -0.65 0.00	30.01 -0.33 0.00	31.31 0.00 0.00	35.01 0.07 0.00	37.24 -0.19 0.00	39.85 -0.44 0.00	42.52 -0.47 0.00	47.05 -0.19 0.00	53.72 0.43 0.00	57.31 0.11 0.00	70.71 -0.36 0.00	66.37 -1.15 0.00	61.17 -0.81 0.00	56.24 -0.74 0.00	48.92 -0.39 0.00	43.64 -0.22 0.00
HUNTLEY___68 23562	36.47 -0.48 0.00	33.41 -0.34 0.00	29.64 -0.33 0.00	27.84 -0.68 0.00	27.69 -0.83 0.00	27.20 -0.81 0.00	27.26 -0.64 0.00	27.83 -0.48 0.00	27.57 -0.65 0.00	30.01 -0.33 0.00	31.31 0.00 0.00	35.01 0.07 0.00	37.24 -0.19 0.00	39.85 -0.44 0.00	42.52 -0.47 0.00	47.05 -0.19 0.00	53.72 0.43 0.00	57.31 0.11 0.00	70.71 -0.36 0.00	66.37 -1.15 0.00	61.17 -0.81 0.00	56.24 -0.74 0.00	48.92 -0.39 0.00	43.64 -0.22 0.00



HYLAND___LFGE 323620	38.76 1.81 0.00	35.20 1.45 0.00	31.35 1.38 0.00	29.41 0.89 0.00	29.43 0.91 0.00	28.66 0.64 0.00	28.49 0.59 0.00	28.71 0.40 0.00	28.00 -0.23 0.00	30.13 -0.21 0.00	31.06 -0.25 0.00	34.63 -0.32 0.00	36.98 -0.45 0.00	39.85 -0.44 0.00	42.60 -0.39 0.00	47.28 0.05 0.00	52.44 -0.85 0.00	56.91 -0.28 0.00	71.85 0.78 0.00	69.27 1.75 0.00	64.46 2.48 0.00	59.32 2.34 0.00	51.04 1.73 0.00	46.71 2.85 0.00
INDECK___CORINTH 23802	39.02 2.07 0.00	35.44 1.69 0.00	31.32 1.35 0.00	29.78 1.25 0.00	29.80 1.28 0.00	29.33 1.32 0.00	29.08 1.17 0.00	29.33 1.02 0.00	29.13 0.90 0.00	31.19 0.85 0.00	31.85 0.53 0.00	35.60 0.66 0.00	37.69 0.26 0.00	40.30 0.28 0.27	43.39 0.43 0.03	47.69 0.47 0.01	54.15 0.85 0.00	58.63 1.43 0.00	74.12 3.05 0.00	70.69 3.17 0.00	65.07 3.10 0.00	59.55 2.57 0.00	51.73 2.42 0.00	45.79 1.93 0.00
INDECK___ILION 23567	37.03 0.07 0.00	33.82 0.07 0.00	30.03 0.06 0.00	28.58 0.06 0.00	28.60 0.09 0.00	28.13 0.11 0.00	28.02 0.11 0.00	28.40 0.08 0.00	28.31 0.08 0.00	30.40 0.06 0.00	31.31 0.00 0.00	34.94 0.00 0.00	37.47 0.04 0.00	40.29 0.00 0.00	42.95 -0.04 0.00	47.19 -0.05 0.00	53.24 -0.05 0.00	57.20 0.00 0.00	71.35 0.28 0.00	67.79 0.27 0.00	62.28 0.31 0.00	57.21 0.23 0.00	49.51 0.20 0.00	43.99 0.13 0.00
INDECK___OLEAN 23982	36.29 -0.66 0.00	33.35 -0.40 0.00	29.70 -0.27 0.00	27.75 -0.77 0.00	27.78 -0.74 0.00	27.18 -0.84 0.00	27.21 -0.70 0.00	27.66 -0.65 0.00	27.49 -0.73 0.00	29.92 -0.42 0.00	31.22 -0.09 0.00	34.91 -0.03 0.00	37.21 -0.22 0.00	39.97 -0.32 0.00	42.82 -0.17 0.00	47.47 0.24 0.00	54.20 0.91 0.00	57.71 0.51 0.00	71.07 0.00 0.00	66.91 -0.61 0.00	61.79 -0.19 0.00	56.24 -0.74 0.00	48.72 -0.59 0.00	43.55 -0.30 0.00
INDECK___OSWEGO 23783	36.40 -0.55 0.00	33.31 -0.44 0.00	29.58 -0.39 0.00	28.06 -0.46 0.00	28.09 -0.43 0.00	27.57 -0.45 0.00	27.46 -0.45 0.00	27.89 -0.42 0.00	27.72 -0.51 0.00	29.86 -0.49 0.00	30.69 -0.63 0.00	34.24 -0.70 0.00	36.64 -0.79 0.00	39.40 -0.89 0.00	42.09 -0.90 0.00	46.29 -0.94 0.00	51.91 -1.39 0.00	55.71 -1.49 0.00	69.36 -1.71 0.00	65.97 -1.55 0.00	60.55 -1.42 0.00	55.56 -1.42 0.00	48.43 -0.89 0.00	43.02 -0.83 0.00
INDECK___YERKES 23781	36.70 -0.26 0.00	33.69 -0.07 0.00	30.15 0.18 0.00	28.01 -0.51 0.00	28.06 -0.46 0.00	27.40 -0.62 0.00	27.43 -0.47 0.00	27.97 -0.34 0.00	27.69 -0.54 0.00	30.16 -0.18 0.00	31.47 0.16 0.00	35.19 0.25 0.00	37.43 0.00 0.00	40.21 -0.08 0.00	42.86 -0.13 0.00	47.38 0.14 0.00	54.10 0.80 0.00	57.71 0.51 0.00	70.92 -0.14 0.00	66.64 -0.88 0.00	61.79 -0.19 0.00	56.47 -0.51 0.00	49.26 -0.05 0.00	44.12 0.26 0.00
INDIAN POINT_GT_1 24139	40.02 3.07 0.00	36.35 2.60 0.00	32.34 2.37 0.00	30.80 2.28 0.00	30.74 2.22 0.00	30.20 2.19 0.00	30.11 2.20 0.00	30.66 2.35 0.00	30.68 2.46 0.00	32.98 2.64 0.00	33.91 2.60 0.00	37.91 2.97 0.00	40.72 3.29 0.00	44.15 3.71 -0.16	46.84 3.83 -0.02	51.21 3.97 -0.01	57.35 4.05 0.00	61.49 4.29 0.00	76.89 5.83 0.00	72.65 5.13 0.00	66.44 4.46 0.00	59.95 2.96 0.00	52.02 2.71 0.00	46.58 2.72 0.00
INDIAN POINT_GT_2 23659	40.02 3.07 0.00	36.35 2.60 0.00	32.34 2.37 0.00	30.80 2.28 0.00	30.74 2.22 0.00	30.20 2.19 0.00	30.11 2.20 0.00	30.66 2.35 0.00	30.68 2.46 0.00	32.98 2.64 0.00	33.91 2.60 0.00	37.91 2.97 0.00	40.72 3.29 0.00	44.15 3.71 -0.16	46.84 3.83 -0.02	51.21 3.97 -0.01	57.35 4.05 0.00	61.49 4.29 0.00	76.89 5.83 0.00	72.65 5.13 0.00	66.44 4.46 0.00	59.95 2.96 0.00	52.02 2.71 0.00	46.58 2.72 0.00
INDIAN POINT_GT_3 24019	40.02 3.07 0.00	36.35 2.60 0.00	32.34 2.37 0.00	30.80 2.28 0.00	30.74 2.22 0.00	30.20 2.19 0.00	30.11 2.20 0.00	30.66 2.35 0.00	30.68 2.46 0.00	32.98 2.64 0.00	33.91 2.60 0.00	37.91 2.97 0.00	40.72 3.29 0.00	44.15 3.71 -0.16	46.84 3.83 -0.02	51.21 3.97 -0.01	57.35 4.05 0.00	61.49 4.29 0.00	76.89 5.83 0.00	72.65 5.13 0.00	66.44 4.46 0.00	59.95 2.96 0.00	52.02 2.71 0.00	46.58 2.72 0.00
INDIAN POINT___2 23530	39.95 2.99 0.00	36.35 2.60 0.00	32.22 2.25 0.00	30.75 2.23 0.00	30.63 2.11 0.00	30.14 2.13 0.00	30.08 2.18 0.00	30.63 2.32 0.00	30.65 2.43 0.00	32.92 2.58 0.00	33.88 2.57 0.00	37.88 2.94 0.00	40.69 3.25 0.00	44.07 3.63 -0.15	46.79 3.78 -0.02	51.16 3.92 -0.01	57.30 4.00 0.00	61.49 4.29 0.00	76.68 5.61 0.00	72.52 5.00 0.00	66.25 4.27 0.00	59.89 2.90 0.00	51.92 2.61 0.00	46.49 2.63 0.00
INDIAN POINT___3 23531	39.95 2.99 0.00	36.32 2.57 0.00	32.28 2.31 0.00	30.75 2.22 0.00	30.68 2.17 0.00	30.15 2.13 0.00	30.08 2.18 0.00	30.63 2.32 0.00	30.65 2.43 0.00	32.92 2.58 0.00	33.88 2.57 0.00	37.84 2.90 0.00	40.65 3.22 0.00	44.11 3.67 -0.16	46.75 3.74 -0.02	51.11 3.87 -0.01	57.24 3.94 0.00	61.32 4.12 0.00	76.61 5.54 0.00	72.45 4.93 0.00	66.25 4.28 0.00	59.83 2.85 0.00	51.93 2.61 0.00	46.49 2.63 0.00
INGHAM_C_115KV_TB7 356103	36.58 -0.37 0.00	33.45 -0.30 0.00	29.67 -0.30 0.00	28.27 -0.26 0.00	28.29 -0.23 0.00	27.85 -0.17 0.00	27.71 -0.20 0.00	28.11 -0.20 0.00	28.03 -0.20 0.00	30.07 -0.27 0.00	30.97 -0.34 0.00	34.56 -0.38 0.00	37.02 -0.41 0.00	39.81 -0.48 0.00	42.39 -0.60 0.00	46.57 -0.66 0.00	52.55 -0.75 0.00	56.51 -0.69 0.00	70.50 -0.57 0.00	67.11 -0.41 0.00	61.66 -0.31 0.00	56.81 -0.17 0.00	49.11 -0.20 0.00	43.68 -0.18 0.00
IP CORINTH___1 23988	39.21 2.25 0.00	35.64 1.89 0.00	31.50 1.53 0.00	29.95 1.43 0.00	29.97 1.45 0.00	29.47 1.46 0.00	29.25 1.34 0.00	29.47 1.16 0.00	29.30 1.07 0.00	31.37 1.03 0.00	32.00 0.69 0.00	35.78 0.84 0.00	37.88 0.45 0.00	40.50 0.48 0.27	43.65 0.69 0.03	47.98 0.76 0.01	54.47 1.17 0.00	58.91 1.72 0.00	74.55 3.48 0.00	71.10 3.58 0.00	65.44 3.47 0.00	59.83 2.85 0.00	52.02 2.71 0.00	46.05 2.19 0.00
IP___TICONDEROGA 23804	41.31 4.36 0.00	37.40 3.65 0.00	32.88 2.91 0.00	31.15 2.62 0.00	31.23 2.71 0.00	30.76 2.75 0.00	30.36 2.46 0.00	30.38 2.07 0.00	30.17 1.95 0.00	32.31 1.97 0.00	32.97 1.66 0.00	36.93 1.99 0.00	38.70 1.27 0.00	41.43 1.41 0.27	45.03 2.06 0.03	49.58 2.36 0.01	56.76 3.46 0.00	61.77 4.58 0.00	78.74 7.68 0.00	75.42 7.90 0.00	69.35 7.37 0.00	63.48 6.50 0.00	55.33 6.02 0.00	48.64 4.78 0.00
ISLIP_RES_REC 323679	41.80 4.84 -0.01	37.94 4.18 -0.01	33.70 3.72 -0.01	32.04 3.51 -0.01	31.83 3.31 -0.01	31.24 3.22 0.00	31.14 3.24 0.00	31.92 3.60 -0.01	32.04 3.81 -0.01	34.55 4.19 -0.01	46.11 4.04 -10.75	48.11 4.58 -8.59	52.99 5.05 -10.51	51.45 5.56 -5.60	61.82 5.59 -13.24	74.84 5.90 -21.70	63.87 6.18 -4.39	65.73 6.69 -1.84	97.66 8.74 -17.85	76.83 7.83 -1.48	69.62 6.57 -1.08	61.65 4.67 0.00	54.09 4.04 -0.73	47.94 4.08 0.00



JAMAICA__27_KV_LOAD 355505	40.69 3.73 0.00	37.03 3.27 0.00	32.97 3.00 0.00	31.37 2.85 0.00	31.28 2.77 0.00	30.73 2.72 0.00	30.75 2.85 0.00	31.37 3.06 0.00	31.41 3.19 0.00	33.80 3.46 0.00	34.60 3.29 0.00	38.64 3.70 0.00	41.51 4.08 0.00	45.04 4.59 -0.16	47.70 4.69 -0.02	52.20 4.96 -0.01	58.25 4.96 0.00	62.40 5.20 0.00	77.96 6.89 0.00	73.80 6.28 0.00	67.43 5.45 0.00	60.69 3.70 0.00	53.11 3.80 0.00	47.50 3.64 0.00
JANIS__SOLAR 323808	38.58 1.62 0.00	35.37 1.62 0.00	31.35 1.38 0.00	29.69 1.17 0.00	29.74 1.23 0.00	29.25 1.23 0.00	29.08 1.17 0.00	29.39 1.08 0.00	29.04 0.82 0.00	31.07 0.73 0.00	31.88 0.56 0.00	35.57 0.63 0.00	38.18 0.75 0.00	40.93 0.64 0.00	43.85 0.86 0.00	48.42 1.18 0.00	55.16 1.86 0.00	59.66 2.46 0.00	75.12 4.05 0.00	71.84 4.33 0.00	66.06 4.09 0.00	60.46 3.48 0.00	51.92 2.61 0.00	46.01 2.15 0.00
JARVIS____ 23743	37.25 0.29 0.00	34.02 0.27 0.00	30.21 0.24 0.00	28.75 0.23 0.00	28.74 0.23 0.00	28.27 0.25 0.00	28.16 0.25 0.00	28.54 0.23 0.00	28.45 0.22 0.00	30.56 0.21 0.00	31.50 0.19 0.00	35.15 0.21 0.00	37.66 0.23 0.00	40.53 0.24 0.00	43.25 0.26 0.00	47.47 0.24 0.00	53.57 0.27 0.00	57.54 0.35 0.00	71.57 0.50 0.00	68.00 0.48 0.00	62.41 0.44 0.00	57.27 0.29 0.00	49.56 0.25 0.00	44.08 0.22 0.00
JENNISON____1 23625	38.95 2.00 0.00	35.68 1.92 0.00	31.62 1.65 0.00	30.03 1.51 0.00	30.06 1.54 0.00	29.61 1.60 0.00	29.44 1.53 0.00	29.78 1.47 0.00	29.55 1.33 0.00	31.65 1.30 0.00	32.53 1.22 0.00	36.37 1.43 0.00	39.08 1.65 0.00	41.90 1.61 0.00	44.84 1.85 0.00	49.36 2.13 0.00	56.07 2.77 0.00	60.40 3.20 0.00	75.83 4.76 0.00	72.18 4.66 0.00	66.37 4.40 0.00	60.69 3.70 0.00	52.22 2.91 0.00	46.27 2.41 0.00
JENNISON____2 23626	38.95 2.00 0.00	35.68 1.92 0.00	31.62 1.65 0.00	30.03 1.51 0.00	30.06 1.54 0.00	29.61 1.60 0.00	29.44 1.53 0.00	29.78 1.47 0.00	29.55 1.33 0.00	31.65 1.30 0.00	32.53 1.22 0.00	36.37 1.43 0.00	39.08 1.65 0.00	41.90 1.61 0.00	44.84 1.85 0.00	49.36 2.13 0.00	56.07 2.77 0.00	60.40 3.20 0.00	75.83 4.76 0.00	72.18 4.66 0.00	66.37 4.40 0.00	60.69 3.70 0.00	52.22 2.91 0.00	46.27 2.41 0.00
JERICOHO_RISE_WT_PWR 323719	36.07 -0.89 0.00	33.01 -0.74 0.00	29.31 -0.66 0.00	27.89 -0.63 0.00	27.86 -0.65 0.00	27.37 -0.64 0.00	27.27 -0.64 0.00	27.63 -0.68 0.00	27.58 -0.65 0.00	29.61 -0.73 0.00	30.69 -0.63 0.00	34.31 -0.63 0.00	36.83 -0.60 0.00	39.60 -0.69 0.00	42.35 -0.64 0.00	46.62 -0.62 0.00	52.66 -0.64 0.00	56.57 -0.63 0.00	70.36 -0.71 0.00	67.12 -0.40 0.00	61.79 -0.19 0.00	57.38 0.40 0.00	49.46 0.15 0.00	43.73 -0.13 0.00
KATONAH__115KV_46KV_TB4 355592	40.17 3.21 0.00	36.52 2.77 0.00	32.46 2.49 0.00	30.92 2.40 0.00	30.86 2.34 0.00	30.31 2.30 0.00	30.19 2.29 0.00	30.77 2.46 0.00	30.79 2.57 0.00	33.04 2.70 0.00	34.04 2.72 0.00	38.05 3.11 0.00	40.87 3.44 0.00	44.35 3.91 -0.15	47.09 4.08 -0.02	51.49 4.25 -0.01	57.72 4.42 0.00	62.06 4.86 0.00	77.75 6.68 0.00	73.33 5.81 0.00	66.99 5.02 0.00	60.40 3.42 0.00	52.37 3.06 0.00	46.80 2.94 0.00
KCE_NY_1 323755	39.32 2.37 0.00	35.78 2.03 0.00	31.65 1.68 0.00	30.15 1.62 0.00	30.14 1.62 0.00	29.64 1.62 0.00	29.44 1.53 0.00	29.73 1.41 0.00	29.55 1.33 0.00	31.65 1.30 0.00	32.50 1.19 0.00	36.27 1.33 0.00	38.59 1.16 0.00	41.28 1.29 0.30	44.47 1.50 0.03	48.83 1.61 0.01	55.37 2.08 0.00	59.77 2.58 0.00	74.97 3.91 0.00	71.43 3.91 0.00	65.57 3.59 0.00	59.94 2.96 0.00	52.07 2.76 0.00	46.23 2.37 0.00
KCE_NY_6_ESR 323823	36.81 -0.15 0.00	33.79 0.03 0.00	30.18 0.21 0.00	28.09 -0.43 0.00	28.15 -0.37 0.00	27.48 -0.53 0.00	27.52 -0.39 0.00	28.06 -0.26 0.00	27.80 -0.42 0.00	30.28 -0.06 0.00	31.59 0.28 0.00	35.33 0.39 0.00	37.62 0.19 0.00	40.41 0.12 0.00	43.08 0.09 0.00	47.66 0.42 0.00	54.36 1.07 0.00	58.06 0.86 0.00	71.50 0.43 0.00	67.25 -0.27 0.00	62.22 0.25 0.00	56.81 -0.17 0.00	49.46 0.15 0.00	44.25 0.39 0.00
KEDC PORT_JEFF_GT2 24210	41.54 4.58 -0.01	37.71 3.95 -0.01	33.49 3.51 -0.01	31.87 3.34 -0.01	31.66 3.14 -0.01	31.10 3.08 0.00	31.00 3.10 0.00	31.74 3.42 -0.01	31.87 3.64 -0.01	34.33 3.97 -0.01	45.85 3.79 -10.75	47.80 4.26 -8.59	52.66 4.72 -10.51	51.05 5.16 -5.60	63.60 5.16 -15.45	72.73 5.34 -20.16	62.75 5.38 -4.07	64.40 5.49 -1.71	103.20 7.17 -24.96	75.31 6.42 -1.37	68.30 5.33 -0.99	60.80 3.82 0.00	53.44 3.45 -0.67	47.50 3.64 0.00
KEDC PORT_JEFF_GT3 24211	41.54 4.58 -0.01	37.71 3.95 -0.01	33.49 3.51 -0.01	31.87 3.34 -0.01	31.66 3.14 -0.01	31.10 3.08 0.00	31.00 3.10 0.00	31.74 3.42 -0.01	31.87 3.64 -0.01	34.33 3.97 -0.01	45.85 3.79 -10.75	47.80 4.26 -8.59	52.66 4.72 -10.51	51.05 5.16 -5.60	63.60 5.16 -15.45	72.73 5.34 -20.16	62.75 5.38 -4.07	64.40 5.49 -1.71	103.20 7.17 -24.96	75.31 6.42 -1.37	68.30 5.33 -0.99	60.80 3.82 0.00	53.44 3.45 -0.67	47.50 3.64 0.00
KEDC_GLWD_GT4 24219	40.80 3.84 -0.01	37.10 3.34 -0.01	32.92 2.94 -0.01	31.41 2.88 -0.01	31.26 2.74 -0.01	30.73 2.72 0.00	30.64 2.74 0.00	31.29 2.97 -0.01	31.31 3.08 -0.01	33.66 3.31 -0.01	45.38 3.32 -10.75	47.31 3.77 -8.59	52.10 4.15 -10.51	50.71 4.59 -5.83	57.89 4.69 -10.21	57.31 4.77 -5.30	75.90 5.01 -17.60	69.89 5.37 -7.32	81.00 6.97 -2.96	79.65 6.21 -5.92	71.65 5.33 -4.34	60.64 3.65 -0.01	56.08 3.75 -3.02	47.32 3.46 0.00
KEDC_GLWD_GT5 24220	40.80 3.84 -0.01	37.10 3.34 -0.01	32.92 2.94 -0.01	31.41 2.88 -0.01	31.26 2.74 -0.01	30.73 2.72 0.00	30.64 2.74 0.00	31.29 2.97 -0.01	31.31 3.08 -0.01	33.66 3.31 -0.01	45.38 3.32 -10.75	47.31 3.77 -8.59	52.10 4.15 -10.51	50.71 4.59 -5.83	57.89 4.69 -10.21	57.31 4.77 -5.30	75.90 5.01 -17.60	69.89 5.37 -7.32	81.00 6.97 -2.96	79.65 6.21 -5.92	71.65 5.33 -4.34	60.64 3.65 -0.01	56.08 3.75 -3.02	47.32 3.46 0.00
KENSICO____ 23655	40.13 3.18 0.00	36.49 2.73 0.00	32.43 2.46 0.00	30.89 2.37 0.00	30.83 2.31 0.00	30.29 2.27 0.00	30.19 2.29 0.00	30.77 2.46 0.00	30.79 2.57 0.00	33.10 2.76 0.00	34.04 2.72 0.00	38.05 3.11 0.00	40.87 3.44 0.00	44.31 3.87 -0.16	47.01 4.00 -0.02	51.40 4.16 -0.01	57.56 4.26 0.00	61.66 4.46 0.00	77.04 5.97 0.00	72.85 5.33 0.00	66.62 4.65 0.00	60.12 3.13 0.00	52.17 2.86 0.00	46.75 2.89 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	40.02 3.07 0.00	36.45 2.70 0.00	32.37 2.40 0.00	30.80 2.28 0.00	30.74 2.22 0.00	30.20 2.19 0.00	30.11 2.20 0.00	30.61 2.29 0.00	30.59 2.37 0.00	32.77 2.43 0.00	33.69 2.38 0.00	37.63 2.69 0.00	40.58 3.14 0.00	43.92 3.55 -0.09	46.74 3.74 -0.01	51.30 4.06 0.00	57.62 4.32 0.00	61.89 4.69 0.00	77.68 6.61 0.00	73.39 5.87 0.00	67.18 5.21 0.00	60.63 3.65 0.00	52.37 3.06 0.00	46.84 2.98 0.00



KIAC_JFK_GT1 23816	40.32 3.36 0.00	36.82 3.07 0.00	32.76 2.79 0.00	31.20 2.68 0.00	31.11 2.60 0.00	30.57 2.55 0.00	30.58 2.68 0.00	31.20 2.89 0.00	31.24 3.02 0.00	33.62 3.28 0.00	34.41 3.10 0.00	38.30 3.35 0.00	41.14 3.71 0.00	44.64 4.19 -0.16	47.27 4.26 -0.02	51.68 4.44 -0.01	57.72 4.42 0.00	61.77 4.58 0.00	77.18 6.11 0.00	73.06 5.54 0.00	66.75 4.77 0.00	60.12 3.13 0.00	52.62 3.30 0.00	47.06 3.20 0.00
KIAC_JFK_GT2 23817	40.32 3.36 0.00	36.82 3.07 0.00	32.76 2.79 0.00	31.20 2.68 0.00	31.11 2.60 0.00	30.57 2.55 0.00	30.58 2.68 0.00	31.20 2.89 0.00	31.24 3.02 0.00	33.62 3.28 0.00	34.41 3.10 0.00	38.30 3.35 0.00	41.14 3.71 0.00	44.64 4.19 -0.16	47.27 4.26 -0.02	51.68 4.44 -0.01	57.72 4.42 0.00	61.77 4.58 0.00	77.18 6.11 0.00	73.06 5.54 0.00	66.75 4.77 0.00	60.12 3.13 0.00	52.62 3.30 0.00	47.06 3.20 0.00
KIAC_JFK____ 323774	40.32 3.36 0.00	36.82 3.07 0.00	32.70 2.73 0.00	31.20 2.68 0.00	31.03 2.51 0.00	30.57 2.55 0.00	30.59 2.68 0.00	31.20 2.89 0.00	31.25 3.02 0.00	33.62 3.28 0.00	34.41 3.10 0.00	38.30 3.35 0.00	41.14 3.71 0.00	44.56 4.11 -0.16	47.22 4.22 -0.02	51.64 4.39 -0.01	57.67 4.37 0.00	61.89 4.69 0.00	77.25 6.18 0.00	73.06 5.54 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.62 3.30 0.00	47.02 3.16 0.00
KINTIGH__24_KV_GSU 356498	36.51 -0.44 0.00	33.45 -0.30 0.00	29.88 -0.09 0.00	27.87 -0.65 0.00	27.92 -0.60 0.00	27.26 -0.76 0.00	27.27 -0.64 0.00	27.86 -0.45 0.00	27.60 -0.62 0.00	30.01 -0.33 0.00	31.28 -0.03 0.00	34.94 0.00 0.00	37.21 -0.22 0.00	39.93 -0.36 0.00	42.56 -0.43 0.00	47.00 -0.24 0.00	53.51 0.21 0.00	57.14 -0.06 0.00	70.57 -0.49 0.00	66.44 -1.08 0.00	61.35 -0.62 0.00	56.18 -0.80 0.00	48.87 -0.44 0.00	43.68 -0.17 0.00
KINTIGH____ 23543	36.51 -0.44 0.00	33.41 -0.34 0.00	29.64 -0.33 0.00	27.87 -0.66 0.00	27.72 -0.80 0.00	27.23 -0.78 0.00	27.26 -0.64 0.00	27.86 -0.45 0.00	27.60 -0.62 0.00	30.01 -0.33 0.00	31.25 -0.06 0.00	34.94 0.00 0.00	37.21 -0.22 0.00	39.85 -0.44 0.00	42.48 -0.52 0.00	46.95 -0.28 0.00	53.51 0.21 0.00	57.14 -0.06 0.00	70.64 -0.43 0.00	66.44 -1.08 0.00	61.23 -0.74 0.00	56.30 -0.68 0.00	48.92 -0.39 0.00	43.55 -0.31 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	36.69 -0.26 0.00	33.58 -0.17 0.00	29.85 -0.12 0.00	28.38 -0.14 0.00	28.35 -0.17 0.00	27.82 -0.20 0.00	27.68 -0.22 0.00	28.09 -0.23 0.00	27.97 -0.25 0.00	30.04 -0.30 0.00	31.16 -0.16 0.00	34.84 -0.10 0.00	37.47 0.04 0.00	40.21 -0.08 0.00	43.04 0.04 0.00	47.47 0.24 0.00	53.56 0.27 0.00	57.60 0.40 0.00	71.71 0.64 0.00	68.46 0.95 0.00	63.09 1.12 0.00	58.63 1.65 0.00	50.45 1.13 0.00	44.56 0.70 0.00
LACHUTE____HYDRO 323717	41.31 4.36 0.00	37.40 3.65 0.00	32.88 2.91 0.00	31.14 2.62 0.00	31.20 2.68 0.00	30.76 2.75 0.00	30.36 2.46 0.00	30.38 2.07 0.00	30.17 1.95 0.00	32.31 1.97 0.00	32.97 1.66 0.00	36.93 1.99 0.00	38.70 1.27 0.00	41.43 1.41 0.27	45.03 2.06 0.03	49.58 2.36 0.01	56.76 3.46 0.00	61.83 4.63 0.00	78.74 7.68 0.00	75.42 7.90 0.00	69.35 7.37 0.00	63.48 6.49 0.00	55.33 6.01 0.00	48.64 4.78 0.00
LAWRNCV_115KV_TB1 80681	36.36 -0.59 0.00	33.35 -0.41 0.00	29.64 -0.33 0.00	28.21 -0.31 0.00	28.20 -0.31 0.00	27.68 -0.34 0.00	27.52 -0.39 0.00	27.86 -0.45 0.00	27.80 -0.42 0.00	29.83 -0.52 0.00	30.97 -0.34 0.00	34.56 -0.38 0.00	37.13 -0.30 0.00	39.85 -0.44 0.00	42.61 -0.39 0.00	46.90 -0.33 0.00	52.82 -0.48 0.00	56.80 -0.40 0.00	70.78 -0.28 0.00	67.59 0.07 0.00	62.22 0.25 0.00	57.78 0.80 0.00	49.95 0.64 0.00	44.21 0.35 0.00
LEDERLE____ 23769	40.13 3.18 0.00	36.49 2.73 0.00	32.43 2.46 0.00	30.89 2.37 0.00	30.80 2.28 0.00	30.26 2.24 0.00	30.19 2.29 0.00	30.75 2.43 0.00	30.76 2.54 0.00	33.07 2.73 0.00	34.04 2.72 0.00	38.02 3.07 0.00	40.91 3.48 0.00	44.35 3.91 -0.15	47.09 4.08 -0.02	51.49 4.25 -0.01	57.67 4.37 0.00	61.77 4.58 0.00	77.18 6.11 0.00	72.99 5.47 0.00	66.68 4.71 0.00	60.23 3.25 0.00	52.17 2.86 0.00	46.75 2.89 0.00
LIGHTHSE_115KV_TB6 355974	36.84 -0.11 0.00	33.75 0.00 0.00	29.91 -0.06 0.00	28.44 -0.09 0.00	28.43 -0.09 0.00	27.96 -0.06 0.00	27.79 -0.11 0.00	28.17 -0.14 0.00	27.94 -0.28 0.00	30.07 -0.27 0.00	30.91 -0.41 0.00	34.45 -0.49 0.00	36.87 -0.56 0.00	39.60 -0.68 0.00	42.35 -0.64 0.00	46.57 -0.66 0.00	52.61 -0.69 0.00	56.63 -0.57 0.00	71.00 -0.07 0.00	67.65 0.14 0.00	62.16 0.19 0.00	56.98 0.00 0.00	49.26 -0.05 0.00	43.73 -0.13 0.00
LINDEN COGEN____ 23786	40.24 3.29 0.00	36.59 2.84 0.00	32.46 2.49 0.00	30.98 2.45 0.00	30.83 2.31 0.00	30.34 2.32 0.00	30.33 2.43 0.00	30.95 2.63 0.00	30.99 2.77 0.00	33.32 2.98 0.00	34.26 2.94 0.00	38.30 3.35 0.00	41.14 3.71 0.00	44.51 4.07 -0.16	47.18 4.17 -0.02	51.49 4.25 -0.01	51.29 4.16 6.17	54.87 4.40 6.73	65.22 5.75 11.60	55.99 5.13 16.66	52.44 4.34 13.87	51.25 2.90 8.63	50.18 2.86 1.99	46.75 2.89 0.00
LINDHRST_69_KV_BK1 356055	41.68 4.73 0.00	37.84 4.08 0.00	33.63 3.66 0.00	31.97 3.45 0.00	31.85 3.34 0.00	31.27 3.25 0.00	31.14 3.24 0.00	31.85 3.54 0.00	31.92 3.70 0.00	34.36 4.01 -0.01	45.95 3.88 -10.75	47.94 4.40 -8.59	52.73 4.79 -10.51	51.28 5.32 -5.67	54.55 5.42 -6.14	64.15 5.76 -11.15	68.22 6.02 -8.90	67.36 6.46 -3.70	81.10 8.53 -1.50	78.22 7.70 -3.00	70.74 6.57 -2.20	61.54 4.56 0.00	55.02 4.24 -1.47	48.29 4.43 0.00
LIPA_MISC_IPP 23656	41.28 4.32 0.00	37.43 3.68 0.00	33.30 3.33 0.00	31.63 3.11 0.00	31.48 2.97 0.00	30.93 2.91 0.00	30.78 2.87 0.00	31.54 3.23 0.00	31.70 3.47 0.00	34.15 3.79 -0.01	45.67 3.60 -10.75	47.59 4.05 -8.59	52.44 4.49 -10.51	50.84 4.96 -5.59	61.22 4.90 -13.33	66.30 5.10 -13.97	62.44 5.22 -3.92	64.50 5.66 -1.64	91.85 7.53 -13.25	75.59 6.75 -1.32	68.57 5.64 -0.96	60.68 3.70 0.00	53.31 3.35 -0.65	47.67 3.82 0.00
LISF____SOLAR 323691	41.36 4.40 -0.01	37.54 3.78 -0.01	33.34 3.36 -0.01	31.70 3.17 -0.01	31.49 2.97 -0.01	30.93 2.91 0.00	30.84 2.93 0.00	31.60 3.28 -0.01	31.76 3.53 -0.01	34.21 3.85 -0.01	45.73 3.66 -10.75	47.66 4.12 -8.59	52.51 4.56 -10.51	50.88 4.99 -5.59	61.49 4.98 -13.52	67.66 5.20 -15.23	62.71 5.44 -3.98	64.81 5.95 -1.67	93.66 7.89 -14.71	75.95 7.09 -1.34	68.84 5.89 -0.97	60.96 3.99 0.00	53.42 3.45 -0.66	47.46 3.60 0.00
LITTLE FALLS____HYD 24013	36.58 -0.37 0.00	33.45 -0.30 0.00	29.67 -0.30 0.00	28.27 -0.26 0.00	28.29 -0.23 0.00	27.85 -0.17 0.00	27.71 -0.20 0.00	28.11 -0.20 0.00	28.03 -0.20 0.00	30.07 -0.27 0.00	30.97 -0.34 0.00	34.56 -0.38 0.00	37.02 -0.41 0.00	39.81 -0.48 0.00	42.39 -0.60 0.00	46.57 -0.66 0.00	52.55 -0.75 0.00	56.51 -0.69 0.00	70.50 -0.57 0.00	67.11 -0.41 0.00	61.66 -0.31 0.00	56.81 -0.17 0.00	49.11 -0.20 0.00	43.68 -0.18 0.00



LITTLRIV_115KV_TB1 356100	36.69 -0.26 0.00	33.68 -0.07 0.00	29.94 -0.03 0.00	28.49 -0.03 0.00	28.49 -0.03 0.00	27.99 -0.03 0.00	27.77 -0.14 0.00	28.09 -0.23 0.00	27.97 -0.25 0.00	29.95 -0.39 0.00	31.03 -0.28 0.00	34.66 -0.28 0.00	37.24 -0.19 0.00	39.97 -0.32 0.00	42.73 -0.26 0.00	47.09 -0.14 0.00	53.08 -0.21 0.00	57.14 -0.06 0.00	71.42 0.36 0.00	68.40 0.88 0.00	63.03 1.05 0.00	58.63 1.65 0.00	50.59 1.28 0.00	44.69 0.83 0.00
LI_NEWBRDGE___DRP 323616	40.80 3.84 0.00	37.06 3.31 0.00	32.97 3.00 0.00	31.40 2.88 0.00	31.31 2.79 0.00	30.76 2.75 0.00	30.64 2.73 0.00	31.28 2.97 0.00	31.33 3.10 0.00	33.66 3.31 -0.01	45.23 3.16 -10.75	47.10 3.56 -8.59	51.80 3.86 -10.51	50.13 4.31 -5.53	47.99 4.43 -0.57	52.16 4.63 -0.30	58.93 4.69 -0.95	62.57 4.98 -0.40	77.84 6.61 -0.17	73.78 5.94 -0.32	67.28 5.08 -0.22	60.28 3.30 0.01	52.83 3.40 -0.12	47.24 3.38 0.00
LOCKPORT_115KV_TB60_63_64 80432	36.66 -0.30 0.00	33.55 -0.20 0.00	29.79 -0.18 0.00	27.95 -0.57 0.00	27.78 -0.74 0.00	27.29 -0.73 0.00	27.35 -0.56 0.00	27.89 -0.42 0.00	27.52 -0.71 0.00	29.95 -0.39 0.00	31.25 -0.06 0.00	34.87 -0.07 0.00	37.09 -0.34 0.00	39.69 -0.60 0.00	42.35 -0.64 0.00	46.86 -0.38 0.00	53.51 0.21 0.00	57.20 0.00 0.00	70.57 -0.50 0.00	66.24 -1.28 0.00	61.11 -0.87 0.00	56.24 -0.74 0.00	48.92 -0.39 0.00	43.77 -0.09 0.00
LOCKPORT___CC1 323769	36.62 -0.33 0.00	33.58 -0.17 0.00	30.03 0.06 0.00	27.92 -0.60 0.00	27.97 -0.54 0.00	27.29 -0.73 0.00	27.32 -0.59 0.00	27.86 -0.45 0.00	27.52 -0.70 0.00	29.95 -0.40 0.00	31.25 -0.06 0.00	34.87 -0.07 0.00	37.09 -0.34 0.00	39.85 -0.44 0.00	42.43 -0.56 0.00	46.91 -0.33 0.00	53.51 0.21 0.00	57.14 -0.06 0.00	70.43 -0.64 0.00	66.17 -1.35 0.00	61.29 -0.68 0.00	56.07 -0.91 0.00	48.92 -0.40 0.00	43.86 0.00 0.00
LOCKPORT___CC2 323770	36.62 -0.33 0.00	33.58 -0.17 0.00	30.03 0.06 0.00	27.92 -0.60 0.00	27.97 -0.54 0.00	27.29 -0.73 0.00	27.32 -0.59 0.00	27.86 -0.45 0.00	27.52 -0.70 0.00	29.95 -0.40 0.00	31.25 -0.06 0.00	34.87 -0.07 0.00	37.09 -0.34 0.00	39.85 -0.44 0.00	42.43 -0.56 0.00	46.91 -0.33 0.00	53.51 0.21 0.00	57.14 -0.06 0.00	70.43 -0.64 0.00	66.17 -1.35 0.00	61.29 -0.68 0.00	56.07 -0.91 0.00	48.92 -0.40 0.00	43.86 0.00 0.00
LOCKPORT___CC3 323771	36.62 -0.33 0.00	33.58 -0.17 0.00	30.03 0.06 0.00	27.92 -0.60 0.00	27.97 -0.54 0.00	27.29 -0.73 0.00	27.32 -0.59 0.00	27.86 -0.45 0.00	27.52 -0.70 0.00	29.95 -0.40 0.00	31.25 -0.06 0.00	34.87 -0.07 0.00	37.09 -0.34 0.00	39.85 -0.44 0.00	42.43 -0.56 0.00	46.91 -0.33 0.00	53.51 0.21 0.00	57.14 -0.06 0.00	70.43 -0.64 0.00	66.17 -1.35 0.00	61.29 -0.68 0.00	56.07 -0.91 0.00	48.92 -0.40 0.00	43.86 0.00 0.00
LOCUSVLY_69_KV_BK2 55797	41.09 4.14 0.00	37.33 3.58 0.00	33.21 3.24 0.00	31.60 3.08 0.00	31.51 2.99 0.00	30.93 2.91 0.00	30.81 2.90 0.00	31.48 3.17 0.00	31.53 3.30 0.00	33.94 3.58 -0.01	45.57 3.51 -10.75	47.52 3.98 -8.59	52.32 4.38 -10.51	50.94 4.88 -5.77	56.46 5.07 -8.39	56.89 5.29 -4.36	73.30 5.54 -14.46	69.05 5.83 -6.01	81.18 7.68 -2.44	79.27 6.89 -4.87	71.43 5.89 -3.57	61.03 4.05 -0.01	55.69 3.90 -2.48	47.67 3.82 0.00
LONG_LAKE_PHOENIX 24014	36.44 -0.52 0.00	33.31 -0.44 0.00	29.55 -0.42 0.00	28.07 -0.46 0.00	28.06 -0.46 0.00	27.54 -0.48 0.00	27.46 -0.45 0.00	27.89 -0.42 0.00	27.72 -0.51 0.00	29.89 -0.46 0.00	30.75 -0.56 0.00	34.28 -0.66 0.00	36.72 -0.71 0.00	39.48 -0.81 0.00	42.18 -0.82 0.00	46.38 -0.85 0.00	52.39 -0.91 0.00	56.23 -0.97 0.00	70.07 -0.99 0.00	66.64 -0.88 0.00	61.11 -0.87 0.00	56.01 -0.97 0.00	48.47 -0.84 0.00	43.07 -0.79 0.00
LOVETT___3 23632	39.91 2.96 0.00	36.28 2.53 0.00	32.25 2.28 0.00	30.72 2.20 0.00	30.66 2.14 0.00	30.12 2.10 0.00	30.03 2.12 0.00	30.61 2.29 0.00	30.62 2.40 0.00	32.89 2.55 0.00	33.85 2.54 0.00	37.84 2.90 0.00	40.65 3.22 0.00	44.07 3.63 -0.15	46.75 3.74 -0.02	51.07 3.83 -0.01	57.19 3.89 0.00	61.26 4.06 0.00	76.47 5.40 0.00	72.31 4.79 0.00	66.13 4.15 0.00	59.72 2.74 0.00	51.83 2.51 0.00	46.45 2.59 0.00
LOVETT___4 23642	39.91 2.96 0.00	36.28 2.53 0.00	32.25 2.28 0.00	30.72 2.20 0.00	30.66 2.14 0.00	30.12 2.10 0.00	30.03 2.12 0.00	30.61 2.29 0.00	30.62 2.40 0.00	32.89 2.55 0.00	33.85 2.54 0.00	37.84 2.90 0.00	40.65 3.22 0.00	44.07 3.63 -0.15	46.75 3.74 -0.02	51.07 3.83 -0.01	57.19 3.89 0.00	61.26 4.06 0.00	76.47 5.40 0.00	72.31 4.79 0.00	66.13 4.15 0.00	59.72 2.74 0.00	51.83 2.51 0.00	46.45 2.59 0.00
LOVETT___5 23593	39.91 2.96 0.00	36.28 2.53 0.00	32.25 2.28 0.00	30.72 2.20 0.00	30.66 2.14 0.00	30.12 2.10 0.00	30.03 2.12 0.00	30.61 2.29 0.00	30.62 2.40 0.00	32.89 2.55 0.00	33.85 2.54 0.00	37.84 2.90 0.00	40.65 3.22 0.00	44.07 3.63 -0.15	46.75 3.74 -0.02	51.07 3.83 -0.01	57.19 3.89 0.00	61.26 4.06 0.00	76.47 5.40 0.00	72.31 4.79 0.00	66.13 4.15 0.00	59.72 2.74 0.00	51.83 2.51 0.00	46.45 2.59 0.00
LOWER RAQUET___HYD 24057	36.36 -0.59 0.00	33.35 -0.40 0.00	29.64 -0.33 0.00	28.21 -0.31 0.00	28.20 -0.31 0.00	27.71 -0.31 0.00	27.52 -0.39 0.00	27.86 -0.45 0.00	27.77 -0.45 0.00	29.80 -0.55 0.00	30.91 -0.41 0.00	34.52 -0.42 0.00	37.09 -0.34 0.00	39.85 -0.44 0.00	42.56 -0.43 0.00	46.86 -0.38 0.00	52.76 -0.53 0.00	56.74 -0.46 0.00	70.85 -0.21 0.00	67.65 0.14 0.00	62.35 0.37 0.00	57.89 0.91 0.00	50.00 0.69 0.00	44.21 0.35 0.00
LOWER___HUDSON 24059	38.95 1.99 0.00	35.47 1.72 0.00	31.44 1.47 0.00	29.98 1.45 0.00	29.94 1.43 0.00	29.44 1.43 0.00	29.30 1.39 0.00	29.70 1.39 0.00	29.55 1.33 0.00	31.62 1.27 0.00	32.53 1.22 0.00	36.27 1.33 0.00	38.70 1.27 0.00	41.29 1.41 0.41	44.50 1.55 0.04	48.82 1.61 0.02	55.27 1.97 0.00	59.60 2.40 0.00	74.34 3.27 0.00	70.76 3.24 0.00	64.89 2.91 0.00	59.26 2.28 0.00	51.43 2.12 0.00	45.70 1.84 0.00
LOWVILLE_115KV_TB2 356335	36.92 -0.04 0.00	33.85 0.10 0.00	30.03 0.06 0.00	28.61 0.09 0.00	28.66 0.14 0.00	28.30 0.28 0.00	28.05 0.14 0.00	28.37 0.06 0.00	28.22 0.00 0.00	30.43 0.09 0.00	31.28 -0.03 0.00	34.63 -0.31 0.00	37.09 -0.34 0.00	39.73 -0.56 0.00	42.61 -0.39 0.00	46.90 -0.33 0.00	53.14 -0.16 0.00	57.43 0.23 0.00	72.84 1.78 0.00	69.61 2.09 0.00	64.14 2.17 0.00	58.41 1.42 0.00	50.15 0.84 0.00	44.17 0.31 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	39.28 2.33 0.00	35.74 1.99 0.00	31.68 1.71 0.00	30.12 1.60 0.00	30.14 1.63 0.00	29.64 1.62 0.00	29.44 1.53 0.00	29.73 1.42 0.00	29.55 1.33 0.00	31.62 1.27 0.00	32.47 1.16 0.00	36.27 1.33 0.00	38.59 1.16 0.00	41.28 1.29 0.30	44.47 1.50 0.03	48.83 1.61 0.01	55.32 2.03 0.00	59.71 2.52 0.00	74.90 3.84 0.00	71.37 3.85 0.00	65.57 3.59 0.00	59.89 2.91 0.00	52.02 2.71 0.00	46.18 2.32 0.00



LUTHERNY_35_KV_BK2 355980	39.32 2.37 0.00	35.78 2.03 0.00	31.68 1.71 0.00	30.15 1.63 0.00	30.14 1.63 0.00	29.64 1.62 0.00	29.44 1.53 0.00	29.73 1.42 0.00	29.55 1.33 0.00	31.65 1.30 0.00	32.50 1.19 0.00	36.27 1.33 0.00	38.59 1.16 0.00	41.28 1.29 0.30	44.51 1.55 0.03	48.87 1.65 0.01	55.38 2.08 0.00	59.71 2.52 0.00	74.98 3.91 0.00	71.44 3.92 0.00	65.57 3.59 0.00	59.95 2.96 0.00	52.07 2.76 0.00	46.23 2.37 0.00
LWR___OSWEGATCHIE_HYD 23850	36.58 -0.37 0.00	33.55 -0.20 0.00	29.79 -0.18 0.00	28.35 -0.17 0.00	28.37 -0.14 0.00	27.93 -0.08 0.00	27.71 -0.20 0.00	27.97 -0.34 0.00	27.86 -0.37 0.00	29.95 -0.39 0.00	30.91 -0.41 0.00	34.38 -0.56 0.00	36.91 -0.52 0.00	39.56 -0.73 0.00	42.39 -0.60 0.00	46.67 -0.57 0.00	52.71 -0.59 0.00	56.91 -0.29 0.00	71.56 0.50 0.00	68.46 0.95 0.00	63.03 1.05 0.00	58.01 1.03 0.00	50.05 0.74 0.00	44.12 0.26 0.00
LYONS_FALL_HYD 23570	37.25 0.29 0.00	34.12 0.37 0.00	30.27 0.30 0.00	28.84 0.31 0.00	28.86 0.34 0.00	28.46 0.45 0.00	28.24 0.34 0.00	28.59 0.28 0.00	28.45 0.22 0.00	30.61 0.27 0.00	31.47 0.16 0.00	34.98 0.03 0.00	37.51 0.08 0.00	40.21 -0.08 0.00	43.04 0.04 0.00	47.38 0.14 0.00	53.62 0.32 0.00	57.89 0.69 0.00	72.91 1.84 0.00	69.61 2.10 0.00	64.02 2.04 0.00	58.46 1.48 0.00	50.30 0.99 0.00	44.43 0.57 0.00
MADISON___COUNTY_LFGE 323628	37.88 0.92 0.00	34.66 0.91 0.00	30.75 0.78 0.00	29.21 0.68 0.00	29.23 0.71 0.00	28.74 0.73 0.00	28.58 0.67 0.00	28.93 0.62 0.00	28.79 0.56 0.00	30.89 0.55 0.00	31.78 0.47 0.00	35.50 0.56 0.00	38.07 0.64 0.00	40.89 0.60 0.00	43.72 0.73 0.00	48.09 0.85 0.00	54.47 1.17 0.00	58.63 1.43 0.00	73.41 2.35 0.00	69.95 2.43 0.00	64.27 2.29 0.00	58.86 1.88 0.00	50.74 1.43 0.00	45.00 1.14 0.00
MALONE___115KV_TB1 356076	36.51 -0.44 0.00	33.45 -0.30 0.00	29.73 -0.24 0.00	28.29 -0.23 0.00	28.26 -0.26 0.00	27.74 -0.28 0.00	27.60 -0.31 0.00	27.97 -0.34 0.00	27.91 -0.31 0.00	29.98 -0.36 0.00	31.09 -0.22 0.00	34.73 -0.21 0.00	37.36 -0.07 0.00	40.09 -0.20 0.00	42.91 -0.09 0.00	47.28 0.05 0.00	53.30 0.00 0.00	57.31 0.11 0.00	71.42 0.36 0.00	68.19 0.68 0.00	62.84 0.87 0.00	58.46 1.48 0.00	50.30 0.99 0.00	44.43 0.57 0.00
MAPLEWOD_115KV_TB3 80458	38.39 1.44 0.00	34.97 1.22 0.00	31.05 1.08 0.00	29.55 1.03 0.00	29.54 1.03 0.00	29.05 1.04 0.00	28.88 0.98 0.00	29.22 0.91 0.00	29.10 0.87 0.00	31.22 0.88 0.00	32.16 0.85 0.00	35.88 0.94 0.00	38.33 0.90 0.00	41.16 1.05 0.18	44.13 1.16 0.02	48.41 1.18 0.01	54.63 1.33 0.00	58.74 1.54 0.00	73.34 2.27 0.00	69.68 2.16 0.00	63.89 1.92 0.00	58.29 1.31 0.00	50.64 1.33 0.00	45.04 1.18 0.00
MAPLE_RIDGE_WT_1 323574	36.51 -0.44 0.00	33.38 -0.37 0.00	29.64 -0.33 0.00	28.26 -0.26 0.00	28.29 -0.23 0.00	27.82 -0.19 0.00	27.71 -0.19 0.00	28.14 -0.17 0.00	28.08 -0.14 0.00	30.16 -0.18 0.00	31.13 -0.19 0.00	34.73 -0.21 0.00	37.21 -0.22 0.00	40.05 -0.24 0.00	42.74 -0.26 0.00	47.00 -0.24 0.00	52.98 -0.32 0.00	56.91 -0.28 0.00	70.78 -0.28 0.00	67.32 -0.20 0.00	61.73 -0.25 0.00	56.81 -0.17 0.00	49.07 -0.25 0.00	43.60 -0.26 0.00
MAPLE_RIDGE_WT_2 323611	36.51 -0.44 0.00	33.38 -0.37 0.00	29.64 -0.33 0.00	28.26 -0.26 0.00	28.29 -0.23 0.00	27.82 -0.19 0.00	27.71 -0.19 0.00	28.14 -0.17 0.00	28.08 -0.14 0.00	30.16 -0.18 0.00	31.13 -0.19 0.00	34.73 -0.21 0.00	37.21 -0.22 0.00	40.05 -0.24 0.00	42.74 -0.26 0.00	47.00 -0.24 0.00	52.98 -0.32 0.00	56.91 -0.28 0.00	70.78 -0.28 0.00	67.32 -0.20 0.00	61.73 -0.25 0.00	56.81 -0.17 0.00	49.07 -0.25 0.00	43.60 -0.26 0.00
MARBLE_RIVER_WT_PWR 323696	36.18 -0.78 0.00	33.11 -0.64 0.00	29.40 -0.57 0.00	27.98 -0.54 0.00	27.95 -0.57 0.00	27.46 -0.56 0.00	27.32 -0.59 0.00	27.72 -0.60 0.00	27.63 -0.59 0.00	29.67 -0.67 0.00	30.78 -0.53 0.00	34.38 -0.56 0.00	36.94 -0.49 0.00	39.73 -0.56 0.00	42.43 -0.56 0.00	46.76 -0.47 0.00	52.76 -0.53 0.00	56.68 -0.52 0.00	70.50 -0.57 0.00	67.32 -0.20 0.00	61.97 0.00 0.00	57.49 0.51 0.00	49.56 0.25 0.00	43.86 0.00 0.00
MARSHVLE_115KV_TB1 80742	40.39 3.44 0.00	36.76 3.00 0.00	32.55 2.58 0.00	30.92 2.40 0.00	30.97 2.45 0.00	30.45 2.44 0.00	30.03 2.12 0.00	29.98 1.67 0.00	29.64 1.41 0.00	31.80 1.46 0.00	32.72 1.41 0.00	36.37 1.43 0.00	38.67 1.24 0.00	41.47 1.33 0.15	44.61 1.63 0.02	49.07 1.84 0.01	55.64 2.35 0.00	60.23 3.03 0.00	76.18 5.12 0.00	73.53 6.01 0.00	68.05 6.07 0.00	62.22 5.24 0.00	53.95 4.64 0.00	47.76 3.90 0.00
MARSH_HILL_WT_PWR 323713	37.25 0.29 0.00	34.12 0.37 0.00	30.36 0.39 0.00	28.49 -0.03 0.00	28.55 0.03 0.00	27.96 -0.06 0.00	27.91 0.00 0.00	28.28 -0.03 0.00	27.91 -0.31 0.00	30.25 -0.09 0.00	31.47 0.16 0.00	35.25 0.31 0.00	37.66 0.23 0.00	40.49 0.20 0.00	43.33 0.34 0.00	47.90 0.66 0.00	54.42 1.12 0.00	58.34 1.14 0.00	72.70 1.64 0.00	69.14 1.62 0.00	63.83 1.86 0.00	58.35 1.37 0.00	50.40 1.08 0.00	45.04 1.18 0.00
MCINTYRE_115KV_TB2 80467	36.84 -0.11 0.00	33.82 0.07 0.00	30.06 0.09 0.00	28.61 0.09 0.00	28.60 0.09 0.00	28.10 0.08 0.00	27.88 -0.03 0.00	28.14 -0.17 0.00	28.00 -0.23 0.00	29.95 -0.39 0.00	31.03 -0.28 0.00	34.66 -0.28 0.00	37.28 -0.15 0.00	39.97 -0.32 0.00	42.78 -0.21 0.00	47.09 -0.14 0.00	53.08 -0.21 0.00	57.20 0.00 0.00	71.49 0.43 0.00	68.53 1.01 0.00	63.28 1.30 0.00	58.86 1.88 0.00	50.79 1.48 0.00	44.87 1.01 0.00
MECO_____69_KV_BK1 80468	40.61 3.66 0.00	36.93 3.17 0.00	32.67 2.70 0.00	31.00 2.48 0.00	31.05 2.54 0.00	30.57 2.55 0.00	30.22 2.32 0.00	30.27 1.95 0.00	29.97 1.75 0.00	32.10 1.76 0.00	33.00 1.69 0.00	36.76 1.82 0.00	38.97 1.53 0.00	41.85 1.73 0.17	45.12 2.15 0.02	49.64 2.41 0.01	56.39 3.09 0.00	61.14 3.95 0.00	77.18 6.11 0.00	74.14 6.62 0.00	68.36 6.38 0.00	62.45 5.47 0.00	54.24 4.93 0.00	47.98 4.12 0.00
MENANDS___115KV_TB5 355628	38.17 1.22 0.00	34.80 1.05 0.00	30.90 0.93 0.00	29.43 0.91 0.00	29.43 0.91 0.00	28.91 0.90 0.00	28.77 0.87 0.00	29.10 0.79 0.00	28.99 0.76 0.00	31.10 0.76 0.00	32.03 0.72 0.00	35.74 0.80 0.00	38.22 0.79 0.00	41.04 0.93 0.18	43.96 0.99 0.02	48.22 0.99 0.01	54.36 1.07 0.00	58.40 1.20 0.00	72.91 1.85 0.00	69.21 1.69 0.00	63.46 1.49 0.00	57.89 0.91 0.00	50.25 0.94 0.00	44.74 0.88 0.00
MG INDUSTRY___DRP 24185	38.21 1.26 0.00	34.87 1.11 0.00	30.93 0.96 0.00	29.46 0.94 0.00	29.49 0.97 0.00	28.97 0.95 0.00	28.80 0.89 0.00	29.05 0.74 0.00	28.85 0.62 0.00	30.95 0.61 0.00	31.88 0.56 0.00	35.53 0.59 0.00	37.96 0.52 0.00	40.89 0.68 0.09	43.67 0.69 0.01	47.94 0.71 0.00	54.10 0.80 0.00	58.17 0.97 0.00	72.70 1.63 0.00	69.14 1.62 0.00	63.46 1.49 0.00	58.01 1.03 0.00	50.40 1.08 0.00	44.87 1.01 0.00



MID___OSWEGATCHIE_HYD 23849	36.58 -0.37 0.00	33.55 -0.20 0.00	29.79 -0.18 0.00	28.35 -0.17 0.00	28.37 -0.14 0.00	27.93 -0.08 0.00	27.71 -0.20 0.00	27.97 -0.34 0.00	27.86 -0.37 0.00	29.95 -0.39 0.00	30.91 -0.41 0.00	34.38 -0.56 0.00	36.91 -0.52 0.00	39.56 -0.73 0.00	42.39 -0.60 0.00	46.67 -0.57 0.00	52.71 -0.59 0.00	56.91 -0.29 0.00	71.56 0.50 0.00	68.46 0.95 0.00	63.03 1.05 0.00	58.01 1.03 0.00	50.05 0.74 0.00	44.12 0.26 0.00
MID___RAQUETTE_HYD 23851	36.36 -0.59 0.00	33.35 -0.41 0.00	29.64 -0.33 0.00	28.21 -0.31 0.00	28.20 -0.31 0.00	27.71 -0.31 0.00	27.52 -0.39 0.00	27.86 -0.45 0.00	27.77 -0.45 0.00	29.80 -0.55 0.00	30.91 -0.41 0.00	34.52 -0.42 0.00	37.09 -0.34 0.00	39.81 -0.48 0.00	42.56 -0.43 0.00	46.86 -0.38 0.00	52.76 -0.53 0.00	56.80 -0.40 0.00	70.85 -0.21 0.00	67.65 0.14 0.00	62.35 0.37 0.00	57.89 0.91 0.00	50.00 0.69 0.00	44.21 0.35 0.00
MILLIKEN___1 23584	37.77 0.81 0.00	34.53 0.78 0.00	30.60 0.63 0.00	29.04 0.51 0.00	29.03 0.51 0.00	28.52 0.50 0.00	28.41 0.50 0.00	28.85 0.54 0.00	28.62 0.40 0.00	30.80 0.46 0.00	31.72 0.41 0.00	35.43 0.49 0.00	37.96 0.52 0.00	40.77 0.48 0.00	43.59 0.60 0.00	48.04 0.80 0.00	54.52 1.23 0.00	58.63 1.43 0.00	73.27 2.20 0.00	69.75 2.23 0.00	64.02 2.05 0.00	58.58 1.60 0.00	50.50 1.18 0.00	44.87 1.01 0.00
MILLIKEN___2 23585	37.77 0.81 0.00	34.53 0.78 0.00	30.60 0.63 0.00	29.04 0.51 0.00	29.03 0.51 0.00	28.52 0.50 0.00	28.41 0.50 0.00	28.85 0.54 0.00	28.62 0.40 0.00	30.80 0.46 0.00	31.72 0.41 0.00	35.43 0.49 0.00	37.96 0.52 0.00	40.77 0.48 0.00	43.59 0.60 0.00	48.04 0.80 0.00	54.52 1.23 0.00	58.63 1.43 0.00	73.27 2.20 0.00	69.75 2.23 0.00	64.02 2.05 0.00	58.58 1.60 0.00	50.50 1.18 0.00	44.87 1.01 0.00
MILLIKEN___DIESEL 23629	37.77 0.81 0.00	34.53 0.78 0.00	30.60 0.63 0.00	29.04 0.51 0.00	29.03 0.51 0.00	28.52 0.50 0.00	28.41 0.50 0.00	28.85 0.54 0.00	28.62 0.40 0.00	30.80 0.46 0.00	31.72 0.41 0.00	35.43 0.49 0.00	37.96 0.52 0.00	40.77 0.48 0.00	43.59 0.60 0.00	48.04 0.80 0.00	54.52 1.23 0.00	58.63 1.43 0.00	73.27 2.20 0.00	69.75 2.23 0.00	64.02 2.05 0.00	58.58 1.60 0.00	50.50 1.18 0.00	44.87 1.01 0.00
MILLSEAT___LFGE 323607	37.40 0.45 0.00	34.12 0.37 0.00	30.51 0.54 0.00	28.41 -0.11 0.00	28.46 -0.06 0.00	27.71 -0.31 0.00	27.71 -0.19 0.00	28.26 -0.06 0.00	27.86 -0.37 0.00	30.34 0.00 0.00	31.66 0.35 0.00	35.39 0.45 0.00	37.69 0.26 0.00	40.49 0.20 0.00	43.25 0.26 0.00	47.80 0.57 0.00	54.57 1.28 0.00	58.40 1.20 0.00	72.20 1.13 0.00	68.00 0.48 0.00	62.96 0.99 0.00	57.84 0.86 0.00	50.15 0.84 0.00	44.87 1.01 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	40.02 3.07 0.00	36.39 2.63 0.00	32.37 2.40 0.00	30.83 2.31 0.00	30.74 2.22 0.00	30.23 2.21 0.00	30.14 2.23 0.00	30.69 2.38 0.00	30.71 2.48 0.00	32.98 2.64 0.00	33.94 2.63 0.00	37.95 3.00 0.00	40.76 3.33 0.00	44.19 3.75 -0.16	46.88 3.87 -0.02	51.26 4.01 -0.01	57.40 4.10 0.00	61.54 4.35 0.00	76.89 5.83 0.00	72.72 5.20 0.00	66.44 4.46 0.00	60.00 3.02 0.00	52.07 2.76 0.00	46.62 2.76 0.00
MILLWOOD_13_KV_LOAD 356217	40.13 3.18 0.00	36.49 2.73 0.00	32.46 2.49 0.00	30.89 2.37 0.00	30.83 2.31 0.00	30.29 2.27 0.00	30.19 2.29 0.00	30.75 2.43 0.00	30.79 2.57 0.00	33.07 2.73 0.00	34.04 2.72 0.00	38.05 3.11 0.00	40.84 3.41 0.00	44.31 3.87 -0.16	47.01 4.00 -0.02	51.40 4.16 -0.01	57.62 4.32 0.00	61.77 4.58 0.00	77.32 6.25 0.00	73.06 5.54 0.00	66.75 4.77 0.00	60.23 3.25 0.00	52.22 2.91 0.00	46.75 2.89 0.00
MODEL_CITY_ENERGY 24167	36.40 -0.55 0.00	33.38 -0.37 0.00	29.88 -0.09 0.00	27.78 -0.74 0.00	27.83 -0.68 0.00	27.15 -0.87 0.00	27.18 -0.73 0.00	27.69 -0.62 0.00	27.32 -0.90 0.00	29.74 -0.61 0.00	31.00 -0.31 0.00	34.56 -0.38 0.00	36.76 -0.67 0.00	39.44 -0.85 0.00	42.01 -0.99 0.00	46.43 -0.80 0.00	52.98 -0.32 0.00	56.57 -0.63 0.00	69.71 -1.35 0.00	65.50 -2.02 0.00	60.61 -1.36 0.00	55.45 -1.54 0.00	48.37 -0.94 0.00	43.51 -0.35 0.00
MODERN_LFGE___ 323580	36.40 -0.55 0.00	33.38 -0.37 0.00	29.88 -0.09 0.00	27.78 -0.74 0.00	27.83 -0.68 0.00	27.15 -0.87 0.00	27.18 -0.73 0.00	27.69 -0.62 0.00	27.32 -0.90 0.00	29.74 -0.61 0.00	31.00 -0.31 0.00	34.56 -0.38 0.00	36.76 -0.67 0.00	39.44 -0.85 0.00	42.01 -0.99 0.00	46.43 -0.80 0.00	52.98 -0.32 0.00	56.57 -0.63 0.00	69.71 -1.35 0.00	65.50 -2.02 0.00	60.61 -1.36 0.00	55.45 -1.54 0.00	48.37 -0.94 0.00	43.51 -0.35 0.00
MOHAWK_PAPER___DRP 24187	38.39 1.44 0.00	34.97 1.22 0.00	31.05 1.08 0.00	29.55 1.03 0.00	29.54 1.03 0.00	29.05 1.04 0.00	28.88 0.98 0.00	29.22 0.91 0.00	29.10 0.87 0.00	31.22 0.88 0.00	32.16 0.85 0.00	35.88 0.94 0.00	38.33 0.90 0.00	41.16 1.05 0.18	44.13 1.16 0.02	48.41 1.18 0.01	54.63 1.33 0.00	58.74 1.54 0.00	73.34 2.27 0.00	69.68 2.16 0.00	63.89 1.92 0.00	58.29 1.31 0.00	50.64 1.33 0.00	45.04 1.18 0.00
MOHICAN___35_KV_115KV_LD 80490	39.39 2.44 0.00	35.81 2.06 0.00	31.68 1.71 0.00	30.12 1.60 0.00	30.14 1.63 0.00	29.64 1.62 0.00	29.41 1.51 0.00	29.64 1.33 0.00	29.44 1.21 0.00	31.53 1.18 0.00	32.25 0.94 0.00	36.02 1.08 0.00	38.18 0.75 0.00	40.80 0.81 0.29	44.04 1.07 0.03	48.36 1.13 0.01	54.90 1.60 0.00	59.37 2.17 0.00	74.90 3.84 0.00	71.44 3.92 0.00	65.75 3.78 0.00	60.12 3.13 0.00	52.27 2.96 0.00	46.27 2.41 0.00
MONGAUP___HYD 23641	39.87 2.92 0.00	36.32 2.56 0.00	32.19 2.22 0.00	30.66 2.14 0.00	30.57 2.05 0.00	30.09 2.07 0.00	29.97 2.07 0.00	30.41 2.10 0.00	30.34 2.12 0.00	32.50 2.15 0.00	33.38 2.07 0.00	37.25 2.31 0.00	40.09 2.66 0.00	43.37 2.94 -0.14	46.14 3.14 -0.01	50.69 3.45 -0.01	56.97 3.67 0.00	61.43 4.23 0.00	77.10 6.04 0.00	72.99 5.47 0.00	66.75 4.77 0.00	60.40 3.42 0.00	52.22 2.91 0.00	46.62 2.76 0.00
MONTAUK___DIESEL 23721	41.76 4.80 0.00	37.80 4.05 0.00	33.66 3.69 0.00	31.92 3.39 0.00	31.80 3.28 0.00	31.32 3.31 0.00	31.20 3.29 0.00	32.13 3.82 0.00	32.57 4.35 0.00	35.58 5.22 -0.01	47.33 5.26 -10.75	49.65 6.11 -8.59	54.57 6.63 -10.51	52.93 7.05 -5.59	63.49 7.09 -13.40	68.77 7.13 -14.40	64.86 7.62 -3.94	67.08 8.24 -1.65	95.52 10.66 -13.80	78.44 9.59 -1.33	71.00 8.06 -0.97	62.96 5.98 0.00	55.14 5.18 -0.65	49.69 5.83 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	37.43 0.48 0.00	34.36 0.61 0.00	30.48 0.51 0.00	28.64 0.11 0.00	28.52 0.00 0.00	28.02 0.00 0.00	28.07 0.17 0.00	28.62 0.31 0.00	28.42 0.20 0.00	30.98 0.64 0.00	32.35 1.03 0.00	36.20 1.26 0.00	38.59 1.16 0.00	41.34 1.05 0.00	44.20 1.20 0.00	49.03 1.79 0.00	56.07 2.77 0.00	59.83 2.63 0.00	73.70 2.63 0.00	69.27 1.76 0.00	63.83 1.86 0.00	58.46 1.48 0.00	50.64 1.33 0.00	45.04 1.18 0.00



MORRIS_RIDGE___SOLAR 323848	36.95 0.00 0.00	33.85 0.10 0.00	30.15 0.18 0.00	28.26 -0.26 0.00	28.32 -0.20 0.00	27.71 -0.31 0.00	27.65 -0.25 0.00	27.94 -0.37 0.00	27.58 -0.65 0.00	29.89 -0.45 0.00	31.10 -0.22 0.00	34.84 -0.10 0.00	37.17 -0.26 0.00	39.93 -0.36 0.00	42.60 -0.39 0.00	47.09 -0.14 0.00	53.51 0.21 0.00	57.31 0.11 0.00	71.28 0.21 0.00	67.65 0.14 0.00	62.66 0.68 0.00	57.27 0.29 0.00	49.61 0.30 0.00	44.39 0.53 0.00
MORTIMER_115KV_TB3 55949	37.06 0.11 0.00	33.79 0.03 0.00	29.94 -0.03 0.00	28.27 -0.26 0.00	28.15 -0.37 0.00	27.60 -0.42 0.00	27.57 -0.33 0.00	28.14 -0.17 0.00	27.89 -0.34 0.00	30.31 -0.03 0.00	31.50 0.19 0.00	35.29 0.35 0.00	37.66 0.22 0.00	40.37 0.08 0.00	43.16 0.17 0.00	47.61 0.38 0.00	54.15 0.85 0.00	58.00 0.80 0.00	71.99 0.92 0.00	67.92 0.41 0.00	62.53 0.56 0.00	57.61 0.63 0.00	49.80 0.49 0.00	44.25 0.39 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	40.39 3.44 0.00	36.69 2.94 0.00	32.64 2.67 0.00	31.09 2.57 0.00	31.03 2.51 0.00	30.45 2.44 0.00	30.42 2.51 0.00	31.00 2.69 0.00	31.02 2.79 0.00	33.35 3.00 0.00	34.29 2.97 0.00	38.33 3.39 0.00	41.17 3.74 0.00	44.68 4.23 -0.16	47.35 4.34 -0.02	51.73 4.49 -0.01	57.83 4.53 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.29 3.30 0.00	52.47 3.16 0.00	47.02 3.16 0.00
MUNSVILLE_WIND_PWR 323609	39.62 2.66 0.00	36.45 2.70 0.00	32.31 2.34 0.00	30.60 2.08 0.00	30.71 2.20 0.00	30.28 2.27 0.00	30.03 2.12 0.00	30.32 2.01 0.00	29.95 1.72 0.00	31.95 1.61 0.00	32.75 1.44 0.00	36.62 1.68 0.00	39.41 1.98 0.00	42.14 1.85 0.00	45.18 2.19 0.00	49.88 2.64 0.00	56.87 3.57 0.00	61.60 4.40 0.00	77.75 6.68 0.00	74.41 6.89 0.00	68.48 6.51 0.00	62.68 5.70 0.00	53.75 4.44 0.00	47.46 3.60 0.00
N SALMON___HYD 24042	36.51 -0.44 0.00	33.45 -0.30 0.00	29.73 -0.24 0.00	28.29 -0.23 0.00	28.26 -0.26 0.00	27.74 -0.28 0.00	27.60 -0.31 0.00	27.97 -0.34 0.00	27.91 -0.31 0.00	29.98 -0.36 0.00	31.10 -0.22 0.00	34.73 -0.21 0.00	37.36 -0.07 0.00	40.13 -0.16 0.00	42.91 -0.09 0.00	47.28 0.05 0.00	53.30 0.00 0.00	57.25 0.06 0.00	71.42 0.36 0.00	68.19 0.68 0.00	62.84 0.87 0.00	58.46 1.48 0.00	50.30 0.99 0.00	44.43 0.57 0.00
N.AKRON__115KV_KNAPP 355671	37.40 0.44 0.00	34.09 0.34 0.00	30.27 0.30 0.00	28.44 -0.09 0.00	28.26 -0.26 0.00	27.71 -0.31 0.00	27.74 -0.17 0.00	28.28 -0.03 0.00	27.89 -0.34 0.00	30.37 0.03 0.00	31.69 0.38 0.00	35.43 0.49 0.00	37.73 0.30 0.00	40.41 0.12 0.00	43.21 0.21 0.00	47.80 0.57 0.00	54.63 1.33 0.00	58.46 1.26 0.00	72.42 1.35 0.00	68.06 0.54 0.00	62.84 0.87 0.00	58.01 1.03 0.00	50.25 0.94 0.00	44.78 0.92 0.00
N.E_GEN_SANDY PD 24062	41.70 2.77 -1.97	40.99 2.40 -4.84	41.61 2.13 -9.51	41.24 2.14 -10.58	38.02 2.02 -7.48	34.79 2.07 -4.70	32.92 2.01 -3.00	30.55 2.24 0.00	30.43 2.20 0.00	32.50 2.15 0.00	33.38 2.07 0.00	37.18 2.24 0.00	39.83 2.40 0.00	40.20 2.62 2.71	45.42 2.71 0.12	49.90 2.79 0.00	56.44 3.14 0.00	64.97 3.72 -4.06	71.77 4.76 4.06	72.17 4.66 0.00	66.00 4.03 0.00	60.00 3.02 0.00	52.02 2.71 0.00	46.40 2.54 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	39.98 3.03 0.00	36.35 2.60 0.00	32.31 2.34 0.00	30.78 2.25 0.00	30.71 2.20 0.00	30.17 2.16 0.00	30.08 2.18 0.00	30.63 2.32 0.00	30.65 2.43 0.00	32.95 2.61 0.00	33.91 2.60 0.00	37.88 2.94 0.00	40.72 3.29 0.00	44.15 3.71 -0.15	46.88 3.87 -0.02	51.26 4.01 -0.01	57.40 4.10 0.00	61.49 4.29 0.00	76.82 5.76 0.00	72.58 5.06 0.00	66.37 4.40 0.00	59.95 2.96 0.00	51.97 2.66 0.00	46.53 2.68 0.00
N.QUEENS_27_KV_LOAD 356247	40.62 3.66 -0.01	36.93 3.17 -0.01	32.80 2.82 -0.01	31.24 2.71 -0.01	31.18 2.65 -0.01	30.54 2.52 0.00	30.36 2.46 0.00	30.97 2.66 0.00	31.05 2.82 0.00	33.38 3.03 0.00	34.29 2.97 0.00	38.37 3.42 0.00	41.21 3.78 0.00	44.80 4.35 -0.16	47.39 4.39 -0.02	51.63 4.39 -0.01	57.56 4.26 0.00	61.60 4.40 0.00	76.97 5.90 0.00	72.79 5.27 0.00	66.50 4.52 0.00	59.83 2.85 0.00	52.37 3.06 0.00	47.24 3.38 0.00
N.TROY___115KV_TB1 355778	38.95 2.00 0.00	35.47 1.72 0.00	31.47 1.50 0.00	29.98 1.45 0.00	29.97 1.45 0.00	29.44 1.43 0.00	29.30 1.40 0.00	29.70 1.39 0.00	29.55 1.33 0.00	31.62 1.27 0.00	32.53 1.22 0.00	36.27 1.33 0.00	38.70 1.27 0.00	41.33 1.45 0.41	44.50 1.55 0.04	48.82 1.61 0.02	55.27 1.97 0.00	59.54 2.35 0.00	74.34 3.27 0.00	70.76 3.24 0.00	64.95 2.97 0.00	59.26 2.28 0.00	51.43 2.12 0.00	45.70 1.84 0.00
NARROWS_GT1_1 24228	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
NARROWS_GT1_2 24229	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
NARROWS_GT1_3 24230	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
NARROWS_GT1_4 24231	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
NARROWS_GT1_5 24232	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00



NARROWS_GT1_6 24233	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
NARROWS_GT1_7 24234	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
NARROWS_GT1_8 24235	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
NARROWS_GT2_1 24236	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
NARROWS_GT2_2 24237	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
NARROWS_GT2_3 24238	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
NARROWS_GT2_4 24239	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
NARROWS_GT2_5 24240	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
NARROWS_GT2_6 24241	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
NARROWS_GT2_7 24242	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
NARROWS_GT2_8 24243	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.17 3.19 0.00	52.52 3.20 0.00	47.41 3.55 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	38.91 1.96 0.00	35.47 1.72 0.00	31.44 1.47 0.00	29.92 1.40 0.00	29.91 1.40 0.00	29.36 1.34 0.00	29.13 1.23 0.00	29.33 1.02 0.00	29.10 0.87 0.00	31.10 0.76 0.00	32.00 0.69 0.00	35.64 0.70 0.00	38.14 0.71 0.00	41.35 1.13 0.07	44.02 1.03 0.01	48.51 1.28 0.00	54.95 1.65 0.00	59.31 2.12 0.00	74.62 3.55 0.00	70.96 3.44 0.00	65.07 3.10 0.00	59.43 2.45 0.00	51.43 2.12 0.00	45.74 1.89 0.00
NCHELSEA_115KV_TR2 355582	40.06 3.10 0.00	36.45 2.70 0.00	32.40 2.43 0.00	30.86 2.34 0.00	30.80 2.28 0.00	30.26 2.24 0.00	30.14 2.23 0.00	30.66 2.35 0.00	30.65 2.43 0.00	32.86 2.52 0.00	33.79 2.47 0.00	37.74 2.80 0.00	40.61 3.18 0.00	44.02 3.63 -0.10	46.79 3.78 -0.01	51.30 4.06 0.00	57.56 4.26 0.00	61.83 4.63 0.00	77.46 6.40 0.00	73.19 5.67 0.00	66.93 4.96 0.00	60.51 3.53 0.00	52.37 3.06 0.00	46.84 2.98 0.00
NEG CAPITAL___MECHNVIL 23645	39.43 2.48 0.00	35.85 2.09 0.00	31.74 1.77 0.00	30.20 1.68 0.00	30.20 1.68 0.00	29.70 1.68 0.00	29.52 1.62 0.00	29.84 1.53 0.00	29.66 1.44 0.00	31.74 1.40 0.00	32.63 1.31 0.00	36.41 1.47 0.00	38.74 1.31 0.00	41.44 1.49 0.34	44.68 1.72 0.04	49.06 1.84 0.02	55.59 2.29 0.00	60.06 2.86 0.00	75.26 4.19 0.00	71.71 4.19 0.00	65.75 3.78 0.00	60.11 3.13 0.00	52.22 2.91 0.00	46.31 2.45 0.00
NEG CENTRAL_HIGH_ACRES 23767	36.44 -0.52 0.00	33.21 -0.54 0.00	29.58 -0.39 0.00	27.81 -0.71 0.00	27.83 -0.68 0.00	27.18 -0.84 0.00	27.12 -0.78 0.00	27.69 -0.62 0.00	27.46 -0.76 0.00	29.80 -0.55 0.00	30.94 -0.37 0.00	34.63 -0.32 0.00	37.02 -0.41 0.00	39.77 -0.52 0.00	42.52 -0.47 0.00	46.86 -0.38 0.00	53.19 -0.11 0.00	57.03 -0.17 0.00	70.78 -0.28 0.00	66.98 -0.54 0.00	61.67 -0.31 0.00	56.64 -0.34 0.00	48.92 -0.40 0.00	43.51 -0.35 0.00



NEG CENTRAL___DRP 24199	37.32 0.37 0.00	34.06 0.30 0.00	30.18 0.21 0.00	28.61 0.09 0.00	28.55 0.03 0.00	28.02 0.00 0.00	27.96 0.06 0.00	28.43 0.11 0.00	28.20 -0.03 0.00	30.43 0.09 0.00	31.47 0.16 0.00	35.19 0.24 0.00	37.66 0.22 0.00	40.49 0.20 0.00	43.29 0.30 0.00	47.61 0.38 0.00	54.10 0.80 0.00	58.06 0.86 0.00	72.42 1.35 0.00	68.73 1.22 0.00	63.09 1.12 0.00	57.84 0.85 0.00	49.85 0.54 0.00	44.43 0.57 0.00
NEG CENTRAL___INDECK 23768	38.25 1.29 0.00	34.83 1.08 0.00	30.99 1.02 0.00	29.06 0.54 0.00	29.09 0.57 0.00	28.38 0.36 0.00	28.27 0.36 0.00	28.62 0.31 0.00	28.11 -0.11 0.00	30.43 0.09 0.00	31.50 0.19 0.00	35.25 0.31 0.00	37.66 0.23 0.00	40.49 0.20 0.00	43.30 0.30 0.00	47.94 0.71 0.00	52.98 -0.32 0.00	57.03 -0.17 0.00	71.50 0.43 0.00	68.26 0.74 0.00	63.28 1.30 0.00	58.18 1.20 0.00	50.15 0.84 0.00	46.01 2.15 0.00
NEG CENTRAL___SENECA 23627	37.47 0.52 0.00	34.19 0.44 0.00	30.30 0.33 0.00	28.66 0.14 0.00	28.60 0.09 0.00	28.07 0.06 0.00	28.05 0.14 0.00	28.51 0.20 0.00	28.22 0.00 0.00	30.52 0.18 0.00	31.60 0.28 0.00	35.40 0.45 0.00	37.84 0.41 0.00	40.65 0.36 0.00	43.51 0.52 0.00	47.80 0.57 0.00	54.42 1.12 0.00	58.40 1.20 0.00	72.84 1.78 0.00	69.14 1.62 0.00	63.46 1.49 0.00	58.18 1.20 0.00	50.10 0.79 0.00	44.74 0.88 0.00
NEG CENTRAL___STATE_STREET 24147	37.29 0.33 0.00	34.02 0.27 0.00	30.18 0.21 0.00	28.64 0.11 0.00	28.57 0.06 0.00	28.07 0.06 0.00	27.99 0.08 0.00	28.43 0.11 0.00	28.25 0.03 0.00	30.46 0.12 0.00	31.44 0.13 0.00	35.12 0.17 0.00	37.62 0.19 0.00	40.45 0.16 0.00	43.25 0.26 0.00	47.61 0.38 0.00	53.99 0.69 0.00	58.00 0.80 0.00	72.35 1.28 0.00	68.80 1.28 0.00	63.09 1.12 0.00	57.84 0.85 0.00	49.85 0.54 0.00	44.30 0.44 0.00
NEG MILLWOOD___DRP 24198	40.24 3.29 0.00	36.59 2.84 0.00	32.55 2.58 0.00	31.00 2.48 0.00	30.91 2.40 0.00	30.37 2.35 0.00	30.25 2.34 0.00	30.80 2.49 0.00	30.82 2.60 0.00	33.04 2.70 0.00	34.04 2.72 0.00	38.05 3.11 0.00	40.91 3.48 0.00	44.36 3.95 -0.12	47.18 4.17 -0.01	51.63 4.39 -0.01	57.93 4.64 0.00	62.35 5.15 0.00	78.24 7.18 0.00	73.73 6.21 0.00	67.43 5.45 0.00	60.74 3.76 0.00	52.62 3.30 0.00	46.97 3.11 0.00
NEG NORTH_FLCN_SEA 23793	36.62 -0.33 0.00	33.52 -0.24 0.00	29.76 -0.21 0.00	28.29 -0.23 0.00	28.29 -0.23 0.00	27.76 -0.25 0.00	27.63 -0.28 0.00	28.00 -0.31 0.00	27.91 -0.31 0.00	30.01 -0.33 0.00	31.09 -0.22 0.00	34.77 -0.17 0.00	37.36 -0.07 0.00	40.13 -0.16 0.00	42.91 -0.09 0.00	47.33 0.09 0.00	53.40 0.11 0.00	57.43 0.23 0.00	71.42 0.36 0.00	68.13 0.61 0.00	62.78 0.81 0.00	58.29 1.31 0.00	50.25 0.94 0.00	44.43 0.57 0.00
NEG NORTH_KES_CHATEGAY 23792	36.18 -0.78 0.00	33.11 -0.64 0.00	29.40 -0.57 0.00	27.95 -0.57 0.00	27.95 -0.57 0.00	27.43 -0.59 0.00	27.29 -0.61 0.00	27.69 -0.62 0.00	27.60 -0.62 0.00	29.61 -0.73 0.00	30.72 -0.59 0.00	34.28 -0.66 0.00	36.83 -0.60 0.00	39.56 -0.73 0.00	42.35 -0.64 0.00	46.67 -0.57 0.00	52.66 -0.64 0.00	56.68 -0.51 0.00	70.50 -0.57 0.00	67.32 -0.20 0.00	61.97 0.00 0.00	57.55 0.57 0.00	49.61 0.30 0.00	43.86 0.00 0.00
NEG NORTH___ALICE_FALLS 23915	36.69 -0.26 0.00	33.58 -0.17 0.00	29.85 -0.12 0.00	28.38 -0.14 0.00	28.35 -0.17 0.00	27.82 -0.20 0.00	27.68 -0.22 0.00	28.09 -0.23 0.00	27.97 -0.25 0.00	30.04 -0.30 0.00	31.16 -0.16 0.00	34.84 -0.10 0.00	37.47 0.04 0.00	40.21 -0.08 0.00	43.04 0.04 0.00	47.47 0.24 0.00	53.56 0.27 0.00	57.60 0.40 0.00	71.71 0.64 0.00	68.46 0.95 0.00	63.09 1.12 0.00	58.63 1.65 0.00	50.45 1.13 0.00	44.56 0.70 0.00
NEG NORTH___LWR_SARANAC 23913	36.69 -0.26 0.00	33.58 -0.17 0.00	29.85 -0.12 0.00	28.38 -0.14 0.00	28.35 -0.17 0.00	27.82 -0.20 0.00	27.68 -0.22 0.00	28.09 -0.23 0.00	27.97 -0.25 0.00	30.04 -0.30 0.00	31.16 -0.16 0.00	34.84 -0.10 0.00	37.47 0.04 0.00	40.21 -0.08 0.00	43.04 0.04 0.00	47.47 0.24 0.00	53.56 0.27 0.00	57.60 0.40 0.00	71.71 0.64 0.00	68.46 0.95 0.00	63.09 1.12 0.00	58.63 1.65 0.00	50.45 1.13 0.00	44.56 0.70 0.00
NEG NORTH___PLATTSBURG 23628	36.70 -0.26 0.00	33.58 -0.17 0.00	29.85 -0.12 0.00	28.38 -0.14 0.00	28.35 -0.17 0.00	27.82 -0.19 0.00	27.68 -0.22 0.00	28.08 -0.23 0.00	27.97 -0.25 0.00	30.04 -0.30 0.00	31.16 -0.16 0.00	34.84 -0.10 0.00	37.47 0.04 0.00	40.25 -0.04 0.00	43.04 0.04 0.00	47.42 0.19 0.00	53.57 0.27 0.00	57.54 0.35 0.00	71.70 0.64 0.00	68.46 0.94 0.00	63.09 1.12 0.00	58.64 1.65 0.00	50.45 1.14 0.00	44.56 0.70 0.00
NEG WEST_LEA_LOCKPORT 23791	36.62 -0.33 0.00	33.52 -0.24 0.00	29.76 -0.21 0.00	27.92 -0.60 0.00	27.75 -0.77 0.00	27.26 -0.76 0.00	27.32 -0.59 0.00	27.86 -0.45 0.00	27.52 -0.71 0.00	29.95 -0.39 0.00	31.25 -0.06 0.00	34.87 -0.07 0.00	37.09 -0.34 0.00	39.73 -0.56 0.00	42.35 -0.64 0.00	46.86 -0.38 0.00	53.51 0.21 0.00	57.14 -0.06 0.00	70.50 -0.57 0.00	66.17 -1.35 0.00	61.11 -0.87 0.00	56.18 -0.80 0.00	48.92 -0.39 0.00	43.73 -0.13 0.00
NEG WEST___LANCASTR 23811	36.10 -0.85 0.00	33.11 -0.64 0.00	29.37 -0.60 0.00	27.61 -0.91 0.00	27.46 -1.06 0.00	26.98 -1.04 0.00	27.04 -0.87 0.00	27.52 -0.79 0.00	27.32 -0.90 0.00	29.73 -0.61 0.00	31.03 -0.28 0.00	34.70 -0.24 0.00	36.98 -0.45 0.00	39.60 -0.68 0.00	42.39 -0.60 0.00	46.95 -0.28 0.00	53.67 0.37 0.00	57.20 0.00 0.00	70.50 -0.57 0.00	66.30 -1.22 0.00	61.04 -0.93 0.00	55.96 -1.03 0.00	48.47 -0.84 0.00	43.29 -0.57 0.00
NEG_PENN_ALLEGHNY 23528	37.51 0.56 0.00	34.29 0.54 0.00	30.45 0.48 0.00	28.87 0.34 0.00	28.86 0.34 0.00	28.32 0.31 0.00	28.24 0.34 0.00	28.68 0.37 0.00	28.51 0.28 0.00	30.74 0.39 0.00	31.75 0.44 0.00	35.50 0.56 0.00	37.99 0.56 0.00	40.90 0.61 0.00	43.72 0.73 0.00	48.13 0.90 0.00	54.52 1.23 0.00	58.45 1.26 0.00	72.70 1.64 0.00	68.94 1.42 0.00	63.34 1.36 0.00	57.84 0.86 0.00	49.95 0.64 0.00	44.47 0.61 0.00
NEG___GEN_MONROE 24207	37.10 0.15 0.00	33.82 0.07 0.00	30.03 0.06 0.00	28.32 -0.20 0.00	28.20 -0.31 0.00	27.62 -0.39 0.00	27.60 -0.31 0.00	28.11 -0.20 0.00	27.83 -0.40 0.00	30.22 -0.12 0.00	31.44 0.13 0.00	35.19 0.24 0.00	37.51 0.07 0.00	40.25 -0.04 0.00	43.04 0.04 0.00	47.57 0.33 0.00	54.15 0.85 0.00	58.00 0.80 0.00	72.06 0.99 0.00	67.99 0.47 0.00	62.66 0.68 0.00	57.84 0.85 0.00	49.95 0.64 0.00	44.39 0.53 0.00
NEPA___ENERGY 23901	36.88 -0.07 0.00	33.79 0.03 0.00	30.00 0.03 0.00	28.18 -0.34 0.00	28.06 -0.46 0.00	27.57 -0.45 0.00	27.60 -0.31 0.00	28.14 -0.17 0.00	27.94 -0.28 0.00	30.40 0.06 0.00	31.75 0.44 0.00	35.47 0.52 0.00	37.81 0.37 0.00	40.49 0.20 0.00	43.34 0.34 0.00	48.04 0.80 0.00	54.84 1.55 0.00	58.40 1.20 0.00	72.06 0.99 0.00	67.72 0.20 0.00	62.41 0.43 0.00	57.15 0.17 0.00	49.46 0.15 0.00	44.12 0.26 0.00



NEVERSINK___HYD 23608	39.65 2.70 0.00	36.11 2.36 0.00	31.98 2.01 0.00	30.49 1.97 0.00	30.40 1.88 0.00	29.92 1.91 0.00	29.80 1.90 0.00	30.29 1.98 0.00	30.26 2.03 0.00	32.47 2.12 0.00	33.35 2.03 0.00	37.25 2.31 0.00	40.13 2.70 0.00	43.41 3.02 -0.10	46.18 3.18 -0.01	50.69 3.45 0.00	56.97 3.67 0.00	61.32 4.12 0.00	76.82 5.75 0.00	72.59 5.07 0.00	66.44 4.46 0.00	60.11 3.13 0.00	51.92 2.61 0.00	46.36 2.50 0.00
NEWKRMKL_115KV_TB1 55635	38.02 1.07 0.00	34.66 0.91 0.00	30.78 0.81 0.00	29.32 0.80 0.00	29.32 0.80 0.00	28.80 0.78 0.00	28.66 0.75 0.00	28.99 0.68 0.00	28.87 0.65 0.00	30.98 0.64 0.00	31.91 0.59 0.00	35.60 0.66 0.00	38.03 0.60 0.00	40.86 0.73 0.16	43.75 0.77 0.02	47.98 0.76 0.01	54.10 0.80 0.00	58.17 0.97 0.00	72.63 1.56 0.00	68.94 1.42 0.00	63.21 1.24 0.00	57.67 0.68 0.00	50.05 0.74 0.00	44.56 0.70 0.00
NEWTON___FALLS_HYD 23847	36.58 -0.37 0.00	33.55 -0.20 0.00	29.79 -0.18 0.00	28.35 -0.17 0.00	28.37 -0.14 0.00	27.93 -0.08 0.00	27.71 -0.20 0.00	27.97 -0.34 0.00	27.86 -0.37 0.00	29.95 -0.39 0.00	30.91 -0.41 0.00	34.38 -0.56 0.00	36.91 -0.52 0.00	39.56 -0.73 0.00	42.39 -0.60 0.00	46.67 -0.57 0.00	52.71 -0.59 0.00	56.91 -0.29 0.00	71.56 0.50 0.00	68.46 0.95 0.00	63.03 1.05 0.00	58.01 1.03 0.00	50.05 0.74 0.00	44.12 0.26 0.00
NGRID_A1_DSASP 323792	35.77 -1.18 0.00	32.84 -0.91 0.00	29.37 -0.60 0.00	27.30 -1.23 0.00	27.35 -1.17 0.00	26.67 -1.34 0.00	26.74 -1.17 0.00	27.32 -0.99 0.00	27.07 -1.16 0.00	29.46 -0.88 0.00	30.75 -0.56 0.00	34.35 -0.59 0.00	36.50 -0.93 0.00	39.16 -1.13 0.00	41.70 -1.29 0.00	46.06 -1.18 0.00	52.50 -0.80 0.00	55.99 -1.20 0.00	68.94 -2.13 0.00	64.69 -2.83 0.00	59.93 -2.04 0.00	54.82 -2.17 0.00	47.88 -1.43 0.00	42.89 -0.97 0.00
NGRID_A2_DSASP 323793	35.77 -1.18 0.00	32.84 -0.91 0.00	29.37 -0.60 0.00	27.30 -1.23 0.00	27.35 -1.17 0.00	26.67 -1.34 0.00	26.74 -1.17 0.00	27.32 -0.99 0.00	27.07 -1.16 0.00	29.46 -0.88 0.00	30.75 -0.56 0.00	34.35 -0.59 0.00	36.50 -0.93 0.00	39.16 -1.13 0.00	41.70 -1.29 0.00	46.06 -1.18 0.00	52.50 -0.80 0.00	55.99 -1.20 0.00	68.94 -2.13 0.00	64.69 -2.83 0.00	59.93 -2.04 0.00	54.82 -2.17 0.00	47.88 -1.43 0.00	42.89 -0.97 0.00
NGRID_A4_DSASP 323807	35.77 -1.18 0.00	32.84 -0.91 0.00	29.37 -0.60 0.00	27.30 -1.23 0.00	27.35 -1.17 0.00	26.67 -1.34 0.00	26.74 -1.17 0.00	27.32 -0.99 0.00	27.07 -1.16 0.00	29.46 -0.88 0.00	30.75 -0.56 0.00	34.35 -0.59 0.00	36.50 -0.93 0.00	39.16 -1.13 0.00	41.70 -1.29 0.00	46.06 -1.18 0.00	52.50 -0.80 0.00	55.99 -1.20 0.00	68.94 -2.13 0.00	64.69 -2.83 0.00	59.93 -2.04 0.00	54.82 -2.17 0.00	47.88 -1.43 0.00	42.89 -0.97 0.00
NIAGARA_115E_LBMP 323715	36.25 -0.70 0.00	33.25 -0.51 0.00	29.79 -0.18 0.00	27.67 -0.85 0.00	27.72 -0.80 0.00	27.06 -0.95 0.00	27.10 -0.81 0.00	27.61 -0.71 0.00	27.21 -1.01 0.00	29.61 -0.73 0.00	30.88 -0.44 0.00	34.38 -0.56 0.00	36.57 -0.86 0.00	39.24 -1.05 0.00	41.79 -1.20 0.00	46.15 -1.08 0.00	52.66 -0.64 0.00	56.22 -0.97 0.00	69.22 -1.85 0.00	65.02 -2.50 0.00	60.17 -1.80 0.00	55.04 -1.94 0.00	48.08 -1.23 0.00	43.29 -0.57 0.00
NIAGARA_115W_LBMP 323714	35.66 -1.29 0.00	32.74 -1.01 0.00	29.28 -0.69 0.00	27.21 -1.31 0.00	27.26 -1.25 0.00	26.62 -1.40 0.00	26.65 -1.26 0.00	27.24 -1.08 0.00	26.98 -1.24 0.00	29.37 -0.97 0.00	30.65 -0.66 0.00	34.24 -0.70 0.00	36.38 -1.05 0.00	39.04 -1.25 0.00	41.57 -1.42 0.00	45.91 -1.32 0.00	52.34 -0.96 0.00	55.82 -1.37 0.00	68.72 -2.34 0.00	64.48 -3.04 0.00	59.75 -2.23 0.00	54.64 -2.34 0.00	47.73 -1.58 0.00	42.76 -1.09 0.00
NIAGARA_230_LBMP 323716	36.18 -0.78 0.00	33.18 -0.57 0.00	29.67 -0.30 0.00	27.58 -0.94 0.00	27.66 -0.85 0.00	26.98 -1.04 0.00	27.04 -0.87 0.00	27.61 -0.71 0.00	27.35 -0.88 0.00	29.76 -0.58 0.00	31.06 -0.25 0.00	34.66 -0.28 0.00	36.87 -0.56 0.00	39.52 -0.77 0.00	42.09 -0.90 0.00	46.53 -0.71 0.00	53.03 -0.27 0.00	56.57 -0.63 0.00	69.71 -1.35 0.00	65.50 -2.02 0.00	60.55 -1.42 0.00	55.39 -1.60 0.00	48.37 -0.94 0.00	43.29 -0.57 0.00
NIAGARA___115KV_198_GIBSON 55903	35.66 -1.29 0.00	32.67 -1.08 0.00	28.98 -0.99 0.00	27.21 -1.31 0.00	27.03 -1.48 0.00	26.56 -1.46 0.00	26.65 -1.26 0.00	27.24 -1.08 0.00	26.98 -1.24 0.00	29.37 -0.97 0.00	30.66 -0.66 0.00	34.24 -0.70 0.00	36.38 -1.05 0.00	38.92 -1.37 0.00	41.44 -1.55 0.00	45.86 -1.37 0.00	52.34 -0.96 0.00	55.88 -1.32 0.00	68.79 -2.27 0.00	64.48 -3.04 0.00	59.56 -2.42 0.00	54.82 -2.17 0.00	47.78 -1.53 0.00	42.63 -1.23 0.00
NIAGARA____ 23760	36.18 -0.78 0.00	33.18 -0.57 0.00	29.67 -0.30 0.00	27.58 -0.94 0.00	27.66 -0.85 0.00	26.98 -1.04 0.00	27.04 -0.87 0.00	27.61 -0.71 0.00	27.35 -0.88 0.00	29.76 -0.58 0.00	31.06 -0.25 0.00	34.66 -0.28 0.00	36.87 -0.56 0.00	39.52 -0.77 0.00	42.09 -0.90 0.00	46.53 -0.71 0.00	53.03 -0.27 0.00	56.57 -0.63 0.00	69.71 -1.35 0.00	65.50 -2.02 0.00	60.55 -1.42 0.00	55.39 -1.60 0.00	48.37 -0.94 0.00	43.29 -0.57 0.00
NINE_MILE_1 23575	36.14 -0.81 0.00	33.08 -0.67 0.00	29.37 -0.60 0.00	27.89 -0.63 0.00	27.89 -0.63 0.00	27.37 -0.64 0.00	27.27 -0.64 0.00	27.69 -0.62 0.00	27.58 -0.65 0.00	29.70 -0.64 0.00	30.56 -0.75 0.00	34.07 -0.87 0.00	36.46 -0.97 0.00	39.24 -1.05 0.00	41.87 -1.12 0.00	46.06 -1.18 0.00	52.02 -1.28 0.00	55.82 -1.37 0.00	69.43 -1.63 0.00	65.97 -1.55 0.00	60.55 -1.42 0.00	55.56 -1.42 0.00	48.08 -1.23 0.00	42.76 -1.09 0.00
NINE_MILE_2 23744	36.14 -0.81 0.00	33.08 -0.67 0.00	29.37 -0.60 0.00	27.89 -0.63 0.00	27.89 -0.63 0.00	27.37 -0.64 0.00	27.29 -0.61 0.00	27.69 -0.62 0.00	27.58 -0.65 0.00	29.70 -0.64 0.00	30.56 -0.75 0.00	34.07 -0.87 0.00	36.46 -0.97 0.00	39.24 -1.05 0.00	41.87 -1.12 0.00	46.06 -1.18 0.00	52.02 -1.28 0.00	55.82 -1.37 0.00	69.50 -1.56 0.00	65.97 -1.55 0.00	60.55 -1.42 0.00	55.56 -1.42 0.00	48.08 -1.23 0.00	42.76 -1.09 0.00
NM_CAPITAL___DRP 24208	38.10 1.15 0.00	34.73 0.98 0.00	30.84 0.87 0.00	29.38 0.86 0.00	29.37 0.86 0.00	28.86 0.84 0.00	28.72 0.81 0.00	29.05 0.74 0.00	28.93 0.71 0.00	31.04 0.70 0.00	31.97 0.66 0.00	35.67 0.73 0.00	38.14 0.71 0.00	40.97 0.85 0.17	43.83 0.86 0.02	48.12 0.90 0.01	54.26 0.96 0.00	58.28 1.09 0.00	72.70 1.63 0.00	69.07 1.55 0.00	63.34 1.36 0.00	57.78 0.80 0.00	50.15 0.84 0.00	44.65 0.79 0.00
NM_CENTRAL___DRP 24181	36.88 -0.07 0.00	33.72 -0.03 0.00	29.91 -0.06 0.00	28.41 -0.11 0.00	28.37 -0.14 0.00	27.88 -0.14 0.00	27.79 -0.11 0.00	28.23 -0.08 0.00	28.08 -0.14 0.00	30.25 -0.09 0.00	31.16 -0.16 0.00	34.80 -0.14 0.00	37.24 -0.19 0.00	40.05 -0.24 0.00	42.78 -0.21 0.00	47.09 -0.14 0.00	53.30 0.00 0.00	57.20 0.00 0.00	71.21 0.14 0.00	67.65 0.14 0.00	62.04 0.06 0.00	56.87 -0.11 0.00	49.11 -0.20 0.00	43.68 -0.18 0.00



NM_FRONTIER___DRP 24179	35.66 -1.29 0.00	32.67 -1.08 0.00	28.98 -0.99 0.00	27.21 -1.31 0.00	27.03 -1.48 0.00	26.56 -1.46 0.00	26.65 -1.26 0.00	27.24 -1.08 0.00	26.98 -1.24 0.00	29.37 -0.97 0.00	30.66 -0.66 0.00	34.24 -0.70 0.00	36.38 -1.05 0.00	38.92 -1.37 0.00	41.44 -1.55 0.00	45.86 -1.37 0.00	52.34 -0.96 0.00	55.88 -1.32 0.00	68.79 -2.27 0.00	64.48 -3.04 0.00	59.56 -2.42 0.00	54.82 -2.17 0.00	47.78 -1.53 0.00	42.63 -1.23 0.00
NM_ST_REGIS___HYD 24053	36.40 -0.55 0.00	33.38 -0.37 0.00	29.67 -0.30 0.00	28.24 -0.29 0.00	28.23 -0.29 0.00	27.71 -0.31 0.00	27.54 -0.36 0.00	27.89 -0.42 0.00	27.80 -0.42 0.00	29.86 -0.49 0.00	30.97 -0.34 0.00	34.59 -0.35 0.00	37.17 -0.26 0.00	39.89 -0.40 0.00	42.69 -0.30 0.00	47.00 -0.24 0.00	52.92 -0.37 0.00	56.97 -0.23 0.00	71.00 -0.07 0.00	67.86 0.34 0.00	62.53 0.56 0.00	58.06 1.08 0.00	50.15 0.84 0.00	44.30 0.44 0.00
NORTHPORT___1 23551	41.21 4.25 -0.01	37.44 3.68 -0.01	33.25 3.27 -0.01	31.67 3.14 -0.01	31.49 2.97 -0.01	30.93 2.91 0.00	30.84 2.93 0.00	31.57 3.25 -0.01	31.62 3.39 -0.01	34.03 3.67 -0.01	45.51 3.44 -10.75	47.31 3.77 -8.59	51.99 4.04 -10.51	50.22 4.35 -5.57	47.96 4.00 -0.97	47.96 4.16 3.43	48.30 4.16 9.16	48.26 4.46 13.40	48.49 5.97 28.55	48.49 5.27 24.30	48.49 4.27 17.76	48.49 2.57 11.06	48.26 2.51 3.57	46.80 2.94 0.00
NORTHPORT___2 23552	41.21 4.25 -0.01	37.44 3.68 -0.01	33.25 3.27 -0.01	31.67 3.14 -0.01	31.49 2.97 -0.01	30.93 2.91 0.00	30.84 2.93 0.00	31.57 3.25 -0.01	31.62 3.39 -0.01	34.03 3.67 -0.01	45.51 3.44 -10.75	47.31 3.77 -8.59	51.99 4.04 -10.51	50.22 4.35 -5.57	47.96 4.00 -0.97	47.96 4.16 3.43	48.30 4.16 9.16	48.26 4.46 13.40	48.49 5.97 28.55	48.49 5.27 24.30	48.49 4.27 17.76	48.49 2.57 11.06	48.26 2.51 3.57	46.80 2.94 0.00
NORTHPORT___3 23553	40.84 3.88 -0.01	37.14 3.37 -0.01	32.95 2.97 -0.01	31.41 2.88 -0.01	31.26 2.74 -0.01	30.71 2.69 0.00	30.61 2.71 0.00	31.29 2.97 -0.01	31.36 3.13 -0.01	33.69 3.34 -10.75	45.17 3.10 -8.59	46.89 3.35 -10.51	51.50 3.56 -5.57	49.56 3.70 -0.90	47.80 3.91 2.03	49.22 4.01 9.28	48.02 4.00 13.45	48.03 4.29 28.57	48.18 5.69 24.34	48.17 5.00 17.79	48.34 4.15 11.07	48.31 2.39 3.59	48.18 2.46 0.00	46.18 2.32 0.00
NORTHPORT___4 23650	40.84 3.88 -0.01	37.14 3.37 -0.01	32.95 2.97 -0.01	31.41 2.88 -0.01	31.26 2.74 -0.01	30.71 2.69 0.00	30.61 2.71 0.00	31.29 2.97 -0.01	31.36 3.13 -0.01	33.69 3.34 -10.75	45.17 3.10 -8.59	46.89 3.35 -10.51	51.50 3.56 -5.57	49.56 3.70 -0.90	47.80 3.91 2.03	49.22 4.01 9.28	48.02 4.00 13.45	48.03 4.29 28.57	48.18 5.69 24.34	48.17 5.00 17.79	48.34 4.15 11.07	48.31 2.39 3.59	48.18 2.46 0.00	46.18 2.32 0.00
NORTHPORT___IC 23718	41.20 4.25 0.00	37.43 3.68 0.00	33.30 3.33 0.00	31.66 3.14 0.00	31.54 3.02 0.00	30.99 2.97 0.00	30.84 2.93 0.00	31.57 3.26 0.00	31.61 3.39 -0.01	34.03 3.67 -10.75	45.51 3.44 -8.59	47.31 3.77 -10.51	51.99 4.04 -5.59	50.26 4.39 -13.37	48.00 4.04 -5.21	48.01 4.20 -3.92	48.24 4.10 -3.92	48.14 4.35 -5.69	48.49 5.97 2.02	48.49 5.27 -1.32	48.49 4.28 -0.96	48.43 2.51 -0.65	48.31 2.56 -0.65	47.19 3.33 0.00
NORTH___COUNTRY_ESR 323785	36.07 -0.89 0.00	33.01 -0.74 0.00	29.31 -0.66 0.00	27.89 -0.63 0.00	27.86 -0.65 0.00	27.37 -0.64 0.00	27.27 -0.64 0.00	27.63 -0.68 0.00	27.58 -0.65 0.00	29.61 -0.73 0.00	30.69 -0.63 0.00	34.31 -0.63 0.00	36.83 -0.60 0.00	39.60 -0.69 0.00	42.35 -0.64 0.00	46.62 -0.62 0.00	52.66 -0.64 0.00	56.57 -0.63 0.00	70.36 -0.71 0.00	67.12 -0.40 0.00	61.79 -0.19 0.00	57.38 0.40 0.00	49.46 0.15 0.00	43.73 -0.13 0.00
NPX_GEN_1385_PROXY 323591	41.06 4.10 -0.01	37.37 3.61 -0.01	33.25 3.27 -0.01	31.67 3.14 -0.01	31.43 2.91 -0.01	30.88 2.86 0.00	30.78 2.87 0.00	31.63 3.31 -0.01	30.00 3.30 1.52	31.55 3.55 2.34	34.43 3.32 0.20	35.00 3.63 3.57	35.00 3.93 6.36	35.00 4.19 9.48	39.00 3.82 7.82	37.97 4.01 13.28	45.00 3.94 12.24	51.55 4.29 9.94	53.00 6.26 24.32	54.96 5.54 18.10	53.71 4.52 12.79	50.00 2.74 9.72	48.21 2.46 3.57	46.71 2.85 0.00
NPX_GEN_CSC 323557	41.10 4.14 -0.01	37.27 3.51 -0.01	33.10 3.12 -0.01	31.50 2.97 -0.01	31.29 2.77 -0.01	30.71 2.69 0.00	30.64 2.74 0.00	31.41 3.09 -0.01	31.56 3.33 -0.01	34.03 3.67 -10.75	45.57 3.51 -8.59	47.52 3.98 -10.51	52.36 4.41 -5.59	50.72 4.83 -13.37	61.17 4.81 -5.21	57.50 5.06 -3.92	62.44 5.23 -3.92	68.61 5.72 -5.69	76.58 7.53 2.02	75.60 6.75 -1.32	68.52 5.58 -0.96	60.68 3.70 0.00	53.16 3.20 -0.65	47.19 3.33 0.00
NSINS_S_GLNS_FALLS 23858	39.39 2.44 0.00	35.81 2.06 0.00	31.65 1.68 0.00	30.09 1.57 0.00	30.11 1.60 0.00	29.61 1.60 0.00	29.39 1.48 0.00	29.61 1.30 0.00	31.49 1.19 0.00	31.49 1.15 0.00	32.19 0.88 0.00	35.95 1.01 0.00	38.10 0.67 0.00	40.77 0.77 0.28	43.95 0.99 0.03	48.26 1.04 0.01	54.79 1.49 0.00	59.26 2.06 0.00	74.90 3.84 0.00	71.44 3.92 0.00	65.75 3.78 0.00	60.12 3.13 0.00	52.27 2.96 0.00	46.27 2.41 0.00
NUCOR_STEEL___DRP 24197	37.32 0.37 0.00	34.09 0.34 0.00	30.24 0.27 0.00	28.69 0.17 0.00	28.66 0.14 0.00	28.16 0.14 0.00	28.05 0.14 0.00	28.51 0.20 0.00	28.31 0.08 0.00	30.52 0.18 0.00	31.47 0.16 0.00	35.15 0.21 0.00	37.62 0.19 0.00	40.45 0.16 0.00	43.25 0.26 0.00	47.61 0.38 0.00	53.99 0.69 0.00	57.94 0.74 0.00	72.27 1.21 0.00	68.73 1.22 0.00	63.03 1.05 0.00	57.78 0.80 0.00	49.85 0.54 0.00	44.30 0.44 0.00
NUMBER_THREE_WT_PWR 323818	36.84 -0.11 0.00	33.82 0.07 0.00	29.97 0.00 0.00	28.58 0.06 0.00	28.63 0.11 0.00	28.24 0.22 0.00	27.99 0.08 0.00	28.31 0.00 0.00	28.17 -0.06 0.00	30.40 0.06 0.00	31.25 -0.06 0.00	34.59 -0.35 0.00	37.06 -0.37 0.00	39.69 -0.60 0.00	42.52 -0.47 0.00	46.86 -0.38 0.00	53.03 -0.27 0.00	57.37 0.17 0.00	72.70 1.64 0.00	69.54 2.02 0.00	64.08 2.11 0.00	58.35 1.37 0.00	50.05 0.74 0.00	44.08 0.22 0.00
NYISO_LBMP_REFERENCE 24008	36.95 0.00 0.00	33.75 0.00 0.00	29.97 0.00 0.00	28.52 0.00 0.00	28.52 0.00 0.00	28.02 0.00 0.00	27.91 0.00 0.00	28.31 0.00 0.00	28.22 0.00 0.00	30.34 0.00 0.00	31.31 0.00 0.00	34.94 0.00 0.00	37.43 0.00 0.00	40.29 0.00 0.00	42.99 0.00 0.00	47.23 0.00 0.00	53.30 0.00 0.00	57.20 0.00 0.00	71.07 0.00 0.00	67.52 0.00 0.00	61.97 0.00 0.00	56.98 0.00 0.00	49.31 0.00 0.00	43.86 0.00 0.00
NYPA_BRENTWD____GT 24164	41.69 4.73 -0.01	37.88 4.12 -0.01	33.64 3.66 -0.01	32.01 3.48 -0.01	31.80 3.28 -0.01	31.24 3.22 0.00	31.14 3.24 0.00	31.89 3.57 -0.01	31.96 3.73 -0.01	34.39 4.04 -10.75	45.95 3.88 -8.59	47.90 4.37 -10.51	52.70 4.75 -5.60	51.05 5.16 -5.02	53.13 5.11 -53.78	106.44 5.43 -4.64	63.43 5.49 -1.93	65.08 5.95 -0.79	79.67 7.82 -1.60	76.14 7.02 -1.17	69.04 5.89 -1.17	60.97 3.99 0.00	53.89 3.80 -0.78	47.72 3.86 0.00



NYPA_GOWANUS____GT5 24156	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.06 5.54 0.00	66.75 4.77 0.00	60.11 3.13 0.00	52.52 3.20 0.00	47.41 3.55 0.00
NYPA_GOWANUS____GT6 24157	40.80 3.84 -0.01	37.07 3.31 -0.01	32.86 2.88 -0.01	31.35 2.82 -0.01	31.20 2.68 -0.01	30.65 2.63 0.00	30.56 2.65 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.21 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.09 4.63 -0.17	47.65 4.64 -0.02	51.92 4.68 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.06 5.54 0.00	66.75 4.77 0.00	60.11 3.13 0.00	52.52 3.20 0.00	47.41 3.55 0.00
NYPA_HARLEM__RVR__GT1 24160	40.58 3.62 -0.01	36.93 3.17 -0.01	32.71 2.73 -0.01	31.21 2.68 -0.01	31.09 2.57 -0.01	30.48 2.47 0.00	30.32 2.43 0.01	30.94 2.63 0.01	30.98 2.77 0.01	33.31 2.98 0.01	34.22 2.91 0.01	38.33 3.39 0.00	41.17 3.74 0.00	44.64 4.19 -0.16	47.17 4.17 -0.01	51.49 4.25 0.00	57.34 4.05 0.01	61.53 4.34 0.01	76.67 5.61 0.01	72.51 5.00 0.01	66.24 4.27 0.01	59.71 2.74 0.01	52.17 2.86 0.00	47.15 3.29 0.00
NYPA_HARLEM__RVR__GT2 24161	40.58 3.62 -0.01	36.93 3.17 -0.01	32.71 2.73 -0.01	31.21 2.68 -0.01	31.09 2.57 -0.01	30.48 2.47 0.00	30.32 2.43 0.01	30.94 2.63 0.01	30.98 2.77 0.01	33.31 2.98 0.01	34.22 2.91 0.01	38.33 3.39 0.00	41.17 3.74 0.00	44.64 4.19 -0.16	47.17 4.17 -0.01	51.49 4.25 0.00	57.34 4.05 0.01	61.53 4.34 0.01	76.67 5.61 0.01	72.51 5.00 0.01	66.24 4.27 0.01	59.71 2.74 0.01	52.17 2.86 0.00	47.15 3.29 0.00
NYPA_KENT____GT 24152	40.73 3.77 -0.01	37.00 3.24 -0.01	32.80 2.82 -0.01	31.30 2.77 -0.01	31.15 2.62 -0.01	30.62 2.61 0.00	30.53 2.62 0.00	31.12 2.80 0.00	31.16 2.94 0.00	33.50 3.16 0.00	34.47 3.16 0.00	38.61 3.67 0.00	41.48 4.04 0.00	44.96 4.51 -0.16	47.56 4.56 -0.02	51.87 4.63 -0.01	57.78 4.48 0.00	61.94 4.74 0.00	77.25 6.18 0.00	73.06 5.54 0.00	66.68 4.71 0.00	60.11 3.13 0.00	52.47 3.16 0.00	47.32 3.46 0.00
NYPA_POUCH1____GT 24155	40.80 3.84 -0.01	37.03 3.27 -0.01	32.86 2.88 -0.01	31.33 2.80 -0.01	31.18 2.65 -0.01	30.62 2.61 0.00	30.53 2.62 0.00	31.09 2.78 0.00	31.10 2.88 0.00	33.47 3.13 0.00	34.47 3.16 0.00	38.64 3.70 0.00	41.56 4.12 -0.01	45.01 4.55 -0.17	47.52 4.51 -0.02	51.68 4.44 -0.01	51.38 4.27 6.18	54.99 4.52 6.72	65.37 5.90 11.59	56.05 5.20 16.67	52.49 4.40 13.88	51.20 2.85 8.63	50.24 2.91 1.98	47.28 3.42 0.00
NYPA_VERNON____GT2 24162	40.62 3.66 -0.01	36.93 3.17 -0.01	32.77 2.79 -0.01	31.27 2.74 -0.01	31.12 2.59 -0.01	30.59 2.58 0.00	30.50 2.60 0.00	31.09 2.78 0.00	31.13 2.91 0.00	33.47 3.13 0.00	34.44 3.13 0.00	38.51 3.57 0.00	41.40 3.97 0.00	44.84 4.39 -0.16	47.48 4.47 -0.02	51.82 4.58 -0.01	57.72 4.42 0.00	61.94 4.74 0.00	77.25 6.18 0.00	73.06 5.54 0.00	66.68 4.71 0.00	60.17 3.19 0.00	52.47 3.16 0.00	47.24 3.38 0.00
NYPA_VERNON____GT3 24163	40.62 3.66 -0.01	36.93 3.17 -0.01	32.77 2.79 -0.01	31.27 2.74 -0.01	31.12 2.59 -0.01	30.59 2.58 0.00	30.50 2.60 0.00	31.09 2.78 0.00	31.13 2.91 0.00	33.47 3.13 0.00	34.44 3.13 0.00	38.51 3.57 0.00	41.40 3.97 0.00	44.84 4.39 -0.16	47.48 4.47 -0.02	51.82 4.58 -0.01	57.72 4.42 0.00	61.94 4.74 0.00	77.25 6.18 0.00	73.06 5.54 0.00	66.68 4.71 0.00	60.17 3.19 0.00	52.47 3.16 0.00	47.24 3.38 0.00
NYPA____ASTORIA_CC1 323568	40.58 3.62 -0.01	36.90 3.14 -0.01	32.74 2.76 -0.01	31.24 2.71 -0.01	31.09 2.57 -0.01	30.57 2.55 0.00	30.47 2.57 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.10 0.00	34.38 3.07 0.00	38.47 3.53 0.00	41.32 3.89 0.00	44.76 4.31 -0.16	47.35 4.34 -0.02	51.73 4.49 -0.01	57.61 4.32 0.00	61.83 4.63 0.00	77.04 5.97 0.00	72.85 5.33 0.00	66.56 4.59 0.00	60.06 3.07 0.00	52.37 3.06 0.00	47.15 3.29 0.00
NYPA____ASTORIA_CC2 323569	40.58 3.62 -0.01	36.90 3.14 -0.01	32.74 2.76 -0.01	31.24 2.71 -0.01	31.09 2.57 -0.01	30.57 2.55 0.00	30.47 2.57 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.10 0.00	34.38 3.07 0.00	38.47 3.53 0.00	41.32 3.89 0.00	44.76 4.31 -0.16	47.35 4.34 -0.02	51.73 4.49 -0.01	57.61 4.32 0.00	61.83 4.63 0.00	77.04 5.97 0.00	72.85 5.33 0.00	66.56 4.59 0.00	60.06 3.07 0.00	52.37 3.06 0.00	47.15 3.29 0.00
NYPA____HOLTSVILL 23794	41.36 4.40 -0.01	37.57 3.81 -0.01	33.34 3.36 -0.01	31.75 3.22 -0.01	31.55 3.02 -0.01	30.98 2.97 0.00	30.89 2.99 0.00	31.66 3.34 -0.01	31.76 3.53 -0.01	34.18 3.82 -0.01	45.67 3.60 -10.75	47.59 4.05 -8.59	52.36 4.41 -10.51	50.67 4.79 -5.59	60.86 4.73 -13.14	64.96 4.96 -12.77	62.18 5.01 -3.87	64.31 5.49 -1.62	90.10 7.17 -11.86	75.24 6.42 -1.31	68.31 5.39 -0.95	60.57 3.59 0.00	53.21 3.25 -0.64	47.28 3.42 0.00
NYPA____HELLGATE_GT1 24158	40.58 3.62 -0.01	36.93 3.17 -0.01	32.71 2.73 -0.01	31.21 2.68 -0.01	31.09 2.57 -0.01	30.48 2.47 0.00	30.32 2.43 0.01	30.94 2.63 0.01	30.98 2.77 0.01	33.31 2.98 0.01	34.22 2.91 0.01	38.33 3.39 0.00	41.17 3.74 0.00	44.64 4.19 -0.16	47.17 4.17 -0.01	51.49 4.25 0.00	57.34 4.05 0.01	61.53 4.34 0.01	76.67 5.61 0.01	72.51 5.00 0.01	66.24 4.27 0.01	59.71 2.74 0.01	52.17 2.86 0.00	47.15 3.29 0.00
NYPA____HELLGATE_GT2 24159	40.58 3.62 -0.01	36.93 3.17 -0.01	32.71 2.73 -0.01	31.21 2.68 -0.01	31.09 2.57 -0.01	30.48 2.47 0.00	30.32 2.43 0.01	30.94 2.63 0.01	30.98 2.77 0.01	33.31 2.98 0.01	34.22 2.91 0.01	38.33 3.39 0.00	41.17 3.74 0.00	44.64 4.19 -0.16	47.17 4.17 -0.01	51.49 4.25 0.00	57.34 4.05 0.01	61.53 4.34 0.01	76.67 5.61 0.01	72.51 5.00 0.01	66.24 4.27 0.01	59.71 2.74 0.01	52.17 2.86 0.00	47.15 3.29 0.00
NYS_BARGE____HYD 23848	36.66 -0.30 0.00	33.62 -0.13 0.00	30.09 0.12 0.00	27.95 -0.57 0.00	28.00 -0.51 0.00	27.32 -0.70 0.00	27.35 -0.56 0.00	27.89 -0.42 0.00	27.52 -0.70 0.00	29.95 -0.40 0.00	31.25 -0.06 0.00	34.87 -0.07 0.00	37.09 -0.34 0.00	39.85 -0.44 0.00	42.43 -0.56 0.00	46.91 -0.33 0.00	53.51 0.21 0.00	57.20 0.00 0.00	70.43 -0.64 0.00	66.23 -1.28 0.00	61.29 -0.68 0.00	56.13 -0.85 0.00	48.92 -0.40 0.00	43.90 0.04 0.00
OAK ORCHARD____HYD 24046	37.06 0.11 0.00	33.82 0.07 0.00	30.12 0.15 0.00	28.26 -0.26 0.00	28.29 -0.23 0.00	27.62 -0.39 0.00	27.57 -0.33 0.00	28.14 -0.17 0.00	27.89 -0.34 0.00	30.31 -0.03 0.00	31.50 0.19 0.00	35.29 0.35 0.00	37.66 0.23 0.00	40.45 0.16 0.00	43.25 0.26 0.00	47.66 0.42 0.00	54.15 0.85 0.00	58.00 0.80 0.00	71.92 0.86 0.00	67.93 0.41 0.00	62.66 0.68 0.00	57.55 0.57 0.00	49.75 0.44 0.00	44.30 0.44 0.00



OAKDALE___35_KV_LOAD 356122	37.47 0.52 0.00	34.23 0.47 0.00	30.36 0.39 0.00	28.84 0.31 0.00	28.80 0.29 0.00	28.30 0.28 0.00	28.21 0.31 0.00	28.65 0.34 0.00	28.48 0.25 0.00	30.71 0.36 0.00	31.72 0.41 0.00	35.43 0.49 0.00	37.96 0.52 0.00	40.81 0.52 0.00	43.59 0.60 0.00	48.04 0.80 0.00	54.42 1.12 0.00	58.23 1.03 0.00	72.49 1.42 0.00	68.73 1.22 0.00	63.09 1.12 0.00	57.67 0.68 0.00	49.80 0.49 0.00	44.39 0.53 0.00
OCC_CHEM___DRP 24175	35.77 -1.18 0.00	32.77 -0.98 0.00	29.07 -0.90 0.00	27.30 -1.23 0.00	27.12 -1.40 0.00	26.64 -1.37 0.00	26.73 -1.17 0.00	27.32 -0.99 0.00	27.07 -1.16 0.00	29.46 -0.88 0.00	30.75 -0.56 0.00	34.35 -0.59 0.00	36.50 -0.94 0.00	39.04 -1.25 0.00	41.57 -1.42 0.00	46.01 -1.23 0.00	52.50 -0.80 0.00	56.05 -1.14 0.00	69.01 -2.06 0.00	64.68 -2.84 0.00	59.74 -2.23 0.00	54.93 -2.05 0.00	47.93 -1.38 0.00	42.76 -1.10 0.00
OH_GEN_PROXY 24063	36.18 -0.78 0.00	33.18 -0.57 0.00	29.67 -0.30 0.00	27.58 -0.94 0.00	27.63 -0.88 0.00	26.98 -1.04 0.00	27.04 -0.87 0.00	27.61 -0.71 0.00	27.35 -0.88 0.00	29.76 -0.58 0.00	31.06 -0.25 0.00	34.70 -0.24 0.00	36.87 -0.56 0.00	39.57 -0.72 0.00	42.17 -0.82 0.00	46.57 -0.66 0.00	53.09 -0.21 0.00	60.68 -0.57 -4.06	65.80 -1.21 4.06	65.56 -1.96 0.00	60.67 -1.30 0.00	55.45 -1.54 0.00	48.37 -0.94 0.00	43.29 -0.57 0.00
OLIN_CORP_DRP 24177	36.29 -0.67 0.00	33.25 -0.51 0.00	29.52 -0.45 0.00	27.69 -0.83 0.00	27.52 -1.00 0.00	27.04 -0.98 0.00	27.12 -0.78 0.00	27.63 -0.68 0.00	27.26 -0.96 0.00	29.67 -0.67 0.00	30.94 -0.38 0.00	34.49 -0.45 0.00	36.64 -0.79 0.00	39.20 -1.09 0.00	41.79 -1.20 0.00	46.24 -0.99 0.00	52.76 -0.53 0.00	56.34 -0.86 0.00	69.50 -1.56 0.00	65.22 -2.30 0.00	60.11 -1.86 0.00	55.33 -1.65 0.00	48.18 -1.13 0.00	43.20 -0.66 0.00
OLIN_CORP_DSASP 323712	35.77 -1.18 0.00	32.84 -0.91 0.00	29.37 -0.60 0.00	27.30 -1.23 0.00	27.35 -1.17 0.00	26.67 -1.34 0.00	26.74 -1.17 0.00	27.32 -0.99 0.00	27.07 -1.16 0.00	29.46 -0.88 0.00	30.75 -0.56 0.00	34.35 -0.59 0.00	36.50 -0.93 0.00	39.16 -1.13 0.00	41.70 -1.29 0.00	46.06 -1.18 0.00	52.50 -0.80 0.00	55.99 -1.20 0.00	68.94 -2.13 0.00	64.69 -2.83 0.00	59.93 -2.04 0.00	54.82 -2.17 0.00	47.88 -1.43 0.00	42.89 -0.97 0.00
ONEIDA_HERK_LFGE 323681	37.47 0.52 0.00	34.29 0.54 0.00	30.42 0.45 0.00	28.95 0.43 0.00	29.00 0.48 0.00	28.58 0.56 0.00	28.35 0.45 0.00	28.71 0.40 0.00	28.59 0.37 0.00	30.74 0.39 0.00	31.63 0.31 0.00	35.19 0.25 0.00	37.73 0.30 0.00	40.49 0.20 0.00	43.30 0.30 0.00	47.61 0.38 0.00	53.89 0.59 0.00	58.11 0.91 0.00	73.05 1.99 0.00	69.61 2.10 0.00	64.02 2.04 0.00	58.52 1.54 0.00	50.40 1.08 0.00	44.56 0.70 0.00
ONEIDA___115KV_TB4 55905	37.88 0.92 0.00	34.66 0.91 0.00	30.75 0.78 0.00	29.21 0.68 0.00	29.23 0.71 0.00	28.74 0.73 0.00	28.58 0.67 0.00	28.93 0.62 0.00	28.79 0.56 0.00	30.89 0.55 0.00	31.78 0.47 0.00	35.50 0.56 0.00	38.07 0.64 0.00	40.89 0.60 0.00	43.72 0.73 0.00	48.09 0.85 0.00	54.47 1.17 0.00	58.63 1.43 0.00	73.41 2.35 0.00	69.95 2.43 0.00	64.27 2.29 0.00	58.86 1.88 0.00	50.74 1.43 0.00	45.00 1.14 0.00
ONONDAGA_REF_OCCRA 23987	36.99 0.04 0.00	33.82 0.07 0.00	30.00 0.03 0.00	28.49 -0.03 0.00	28.46 -0.06 0.00	27.96 -0.06 0.00	27.88 -0.03 0.00	28.31 0.00 0.00	28.14 -0.08 0.00	30.34 0.00 0.00	31.25 -0.06 0.00	34.87 -0.07 0.00	37.36 -0.07 0.00	40.17 -0.12 0.00	42.91 -0.09 0.00	47.23 0.00 0.00	53.51 0.21 0.00	57.43 0.23 0.00	71.56 0.50 0.00	67.99 0.47 0.00	62.35 0.37 0.00	57.10 0.11 0.00	49.31 0.00 0.00	43.82 -0.04 0.00
ONONDAGA___COGEN 23986	37.03 0.07 0.00	33.85 0.10 0.00	30.03 0.06 0.00	28.52 0.00 0.00	28.49 -0.03 0.00	27.99 -0.03 0.00	27.91 0.00 0.00	28.34 0.03 0.00	28.17 -0.06 0.00	30.37 0.03 0.00	31.28 -0.03 0.00	34.91 -0.03 0.00	37.39 -0.04 0.00	40.21 -0.08 0.00	42.95 -0.04 0.00	47.28 0.05 0.00	53.51 0.21 0.00	57.43 0.23 0.00	71.56 0.50 0.00	67.99 0.47 0.00	62.35 0.37 0.00	57.15 0.17 0.00	49.36 0.05 0.00	43.86 0.00 0.00
ONTARIO___LFGE 23819	37.47 0.52 0.00	34.22 0.47 0.00	30.39 0.42 0.00	28.67 0.14 0.00	28.69 0.17 0.00	28.10 0.08 0.00	28.05 0.14 0.00	28.51 0.20 0.00	28.22 0.00 0.00	30.52 0.18 0.00	31.59 0.28 0.00	35.39 0.45 0.00	37.84 0.41 0.00	40.69 0.40 0.00	43.55 0.56 0.00	48.09 0.85 0.00	54.42 1.12 0.00	58.40 1.20 0.00	72.84 1.78 0.00	69.14 1.62 0.00	63.52 1.55 0.00	58.12 1.14 0.00	50.10 0.79 0.00	44.78 0.92 0.00
ORANGEVILLE_WT_PWR 323706	36.81 -0.15 0.00	33.72 -0.03 0.00	30.06 0.09 0.00	28.12 -0.40 0.00	28.18 -0.34 0.00	27.54 -0.48 0.00	27.52 -0.39 0.00	27.92 -0.40 0.00	27.58 -0.65 0.00	29.95 -0.40 0.00	31.22 -0.09 0.00	34.91 -0.03 0.00	37.21 -0.22 0.00	39.97 -0.32 0.00	42.65 -0.35 0.00	47.14 -0.09 0.00	53.67 0.38 0.00	57.43 0.23 0.00	71.14 0.07 0.00	67.25 -0.27 0.00	62.29 0.31 0.00	56.87 -0.11 0.00	49.41 0.10 0.00	44.21 0.35 0.00
ORANGEVILLE___ESR 323794	36.81 -0.15 0.00	33.72 -0.03 0.00	30.06 0.09 0.00	28.12 -0.40 0.00	28.18 -0.34 0.00	27.54 -0.48 0.00	27.52 -0.39 0.00	27.92 -0.40 0.00	27.58 -0.65 0.00	29.95 -0.40 0.00	31.22 -0.09 0.00	34.91 -0.03 0.00	37.21 -0.22 0.00	39.97 -0.32 0.00	42.65 -0.35 0.00	47.14 -0.09 0.00	53.67 0.38 0.00	57.43 0.23 0.00	71.14 0.07 0.00	67.25 -0.27 0.00	62.29 0.31 0.00	56.87 -0.11 0.00	49.41 0.10 0.00	44.21 0.35 0.00
OSWEGATCHIE___HYD 24044	36.58 -0.37 0.00	33.55 -0.20 0.00	29.79 -0.18 0.00	28.35 -0.17 0.00	28.37 -0.14 0.00	27.93 -0.08 0.00	27.71 -0.19 0.00	27.97 -0.34 0.00	27.86 -0.37 0.00	29.95 -0.40 0.00	30.91 -0.41 0.00	34.38 -0.56 0.00	36.91 -0.52 0.00	39.60 -0.69 0.00	42.39 -0.60 0.00	46.67 -0.56 0.00	52.71 -0.59 0.00	56.86 -0.34 0.00	71.57 0.50 0.00	68.46 0.94 0.00	63.03 1.05 0.00	58.01 1.03 0.00	50.05 0.74 0.00	44.12 0.26 0.00
OSWEGO___5 23606	36.40 -0.55 0.00	33.31 -0.44 0.00	29.58 -0.39 0.00	28.06 -0.46 0.00	28.06 -0.46 0.00	27.57 -0.45 0.00	27.46 -0.45 0.00	27.89 -0.42 0.00	27.74 -0.48 0.00	29.89 -0.45 0.00	30.78 -0.53 0.00	34.31 -0.63 0.00	36.76 -0.67 0.00	39.52 -0.77 0.00	42.17 -0.82 0.00	46.43 -0.80 0.00	52.44 -0.85 0.00	56.28 -0.92 0.00	70.00 -1.06 0.00	66.51 -1.01 0.00	61.05 -0.93 0.00	56.01 -0.97 0.00	48.43 -0.89 0.00	43.07 -0.79 0.00
OSWEGO___6 23613	36.40 -0.55 0.00	33.31 -0.44 0.00	29.58 -0.39 0.00	28.06 -0.46 0.00	28.06 -0.46 0.00	27.57 -0.45 0.00	27.46 -0.45 0.00	27.89 -0.42 0.00	27.74 -0.48 0.00	29.89 -0.45 0.00	30.78 -0.53 0.00	34.31 -0.63 0.00	36.76 -0.67 0.00	39.52 -0.77 0.00	42.17 -0.82 0.00	46.43 -0.80 0.00	52.44 -0.85 0.00	56.28 -0.92 0.00	70.00 -1.06 0.00	66.51 -1.01 0.00	61.05 -0.93 0.00	56.01 -0.97 0.00	48.43 -0.89 0.00	43.07 -0.79 0.00



OUTOKUMPU-AB___DRP 24206	36.66 -0.30 0.00	33.62 -0.14 0.00	29.82 -0.15 0.00	27.98 -0.54 0.00	27.80 -0.71 0.00	27.34 -0.67 0.00	27.40 -0.50 0.00	27.94 -0.37 0.00	27.66 -0.56 0.00	30.13 -0.21 0.00	31.47 0.16 0.00	35.15 0.21 0.00	37.43 0.00 0.00	40.05 -0.24 0.00	42.73 -0.26 0.00	47.28 0.05 0.00	54.04 0.75 0.00	57.71 0.51 0.00	70.92 -0.14 0.00	66.57 -0.95 0.00	61.54 -0.43 0.00	56.58 -0.40 0.00	49.21 -0.10 0.00	43.95 0.09 0.00
OXBOW___BTM 323836	36.29 -0.66 0.00	33.31 -0.44 0.00	29.79 -0.18 0.00	27.69 -0.83 0.00	27.75 -0.77 0.00	27.06 -0.95 0.00	27.10 -0.81 0.00	27.66 -0.65 0.00	27.40 -0.82 0.00	29.86 -0.49 0.00	31.16 -0.16 0.00	34.84 -0.10 0.00	37.06 -0.37 0.00	39.77 -0.52 0.00	42.35 -0.64 0.00	46.81 -0.43 0.00	53.40 0.11 0.00	57.03 -0.17 0.00	69.65 -1.42 0.00	65.43 -2.09 0.00	60.98 -0.99 0.00	55.73 -1.25 0.00	48.67 -0.64 0.00	43.60 -0.26 0.00
OXBOW___ 24026	36.29 -0.67 0.00	33.25 -0.51 0.00	29.49 -0.48 0.00	27.69 -0.83 0.00	27.52 -1.00 0.00	27.04 -0.98 0.00	27.10 -0.81 0.00	27.66 -0.65 0.00	27.41 -0.82 0.00	29.86 -0.49 0.00	31.16 -0.16 0.00	34.84 -0.10 0.00	37.06 -0.37 0.00	39.65 -0.64 0.00	42.26 -0.73 0.00	46.76 -0.47 0.00	53.40 0.11 0.00	57.03 -0.17 0.00	69.79 -1.28 0.00	65.43 -2.09 0.00	60.80 -1.18 0.00	55.90 -1.08 0.00	48.67 -0.64 0.00	43.42 -0.44 0.00
OXY_CHEM_DSASP 323612	35.77 -1.18 0.00	32.77 -0.98 0.00	29.07 -0.90 0.00	27.30 -1.23 0.00	27.12 -1.40 0.00	26.64 -1.37 0.00	26.73 -1.17 0.00	27.32 -0.99 0.00	27.07 -1.16 0.00	29.46 -0.88 0.00	30.75 -0.56 0.00	34.35 -0.59 0.00	36.50 -0.94 0.00	39.04 -1.25 0.00	41.57 -1.42 0.00	46.01 -1.23 0.00	52.50 -0.80 0.00	56.05 -1.14 0.00	69.01 -2.06 0.00	64.68 -2.84 0.00	59.74 -2.23 0.00	54.93 -2.05 0.00	47.93 -1.38 0.00	42.76 -1.10 0.00
OZONE_PARK_ESR 323760	40.83 3.88 0.00	37.06 3.31 0.00	32.97 3.00 0.00	31.40 2.88 0.00	31.31 2.79 0.00	30.76 2.75 0.00	30.72 2.82 0.00	31.31 3.00 0.00	31.36 3.13 0.00	33.71 3.37 0.00	34.66 3.35 0.00	38.78 3.84 0.00	41.66 4.23 0.00	45.20 4.75 -0.16	47.91 4.90 -0.02	52.39 5.15 -0.01	58.52 5.22 0.00	62.63 5.43 0.00	78.24 7.18 0.00	74.00 6.48 0.00	67.61 5.64 0.00	60.97 3.99 0.00	53.11 3.80 0.00	47.59 3.73 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	35.77 -1.18 0.00	32.77 -0.98 0.00	29.07 -0.90 0.00	27.30 -1.23 0.00	27.12 -1.40 0.00	26.64 -1.37 0.00	26.73 -1.17 0.00	27.32 -0.99 0.00	27.07 -1.16 0.00	29.46 -0.88 0.00	30.75 -0.56 0.00	34.35 -0.59 0.00	36.50 -0.94 0.00	39.04 -1.25 0.00	41.57 -1.42 0.00	46.01 -1.23 0.00	52.50 -0.80 0.00	56.05 -1.14 0.00	69.01 -2.06 0.00	64.68 -2.84 0.00	59.74 -2.23 0.00	54.93 -2.05 0.00	47.93 -1.38 0.00	42.76 -1.10 0.00
PACKARD___115KV_DUPONT_184 80571	35.77 -1.18 0.00	32.77 -0.98 0.00	29.07 -0.90 0.00	27.30 -1.23 0.00	27.12 -1.40 0.00	26.64 -1.37 0.00	26.73 -1.17 0.00	27.32 -0.99 0.00	27.07 -1.16 0.00	29.46 -0.88 0.00	30.75 -0.56 0.00	34.35 -0.59 0.00	36.50 -0.94 0.00	39.04 -1.25 0.00	41.57 -1.42 0.00	46.01 -1.23 0.00	52.50 -0.80 0.00	56.05 -1.14 0.00	69.01 -2.06 0.00	64.68 -2.84 0.00	59.74 -2.23 0.00	54.93 -2.05 0.00	47.93 -1.38 0.00	42.76 -1.10 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	40.66 3.70 -0.01	36.97 3.21 -0.01	32.83 2.85 -0.01	31.27 2.74 -0.01	31.21 2.68 -0.01	30.57 2.55 0.00	30.39 2.48 0.00	30.94 2.63 0.00	30.99 2.77 0.00	33.32 2.97 0.00	34.26 2.94 0.00	38.33 3.39 0.00	41.17 3.74 0.00	44.76 4.31 -0.16	47.27 4.26 -0.02	51.59 4.35 -0.01	57.46 4.16 0.00	61.49 4.29 0.00	76.82 5.76 0.00	72.72 5.20 0.00	66.44 4.46 0.00	59.77 2.79 0.00	52.32 3.01 0.00	47.24 3.38 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	41.17 4.21 -0.01	37.44 3.68 -0.01	33.25 3.27 -0.01	31.64 3.11 -0.01	31.58 3.05 -0.01	30.90 2.89 0.00	30.70 2.79 0.00	31.28 2.97 0.00	31.30 3.08 0.00	33.68 3.34 0.00	34.63 3.32 0.00	38.75 3.81 0.00	41.62 4.19 0.00	45.24 4.79 -0.16	47.78 4.77 -0.02	52.15 4.91 -0.01	58.15 4.85 0.00	62.23 5.03 0.00	77.68 6.61 0.00	73.53 6.01 0.00	67.24 5.27 0.00	60.51 3.53 0.00	52.96 3.65 0.00	47.81 3.95 0.00
PATROON___115KV_TB1 80586	38.14 1.18 0.00	34.77 1.01 0.00	30.84 0.87 0.00	29.38 0.86 0.00	29.37 0.86 0.00	28.88 0.87 0.00	28.72 0.81 0.00	29.05 0.74 0.00	28.93 0.71 0.00	31.04 0.70 0.00	31.97 0.66 0.00	35.71 0.77 0.00	38.10 0.67 0.00	40.93 0.81 0.17	43.83 0.86 0.02	48.12 0.90 0.01	54.26 0.96 0.00	58.34 1.14 0.00	72.84 1.78 0.00	69.14 1.62 0.00	63.40 1.43 0.00	57.84 0.85 0.00	50.25 0.94 0.00	44.69 0.83 0.00
PATTRSNVILLE___SOLAR 323815	38.87 1.92 0.00	35.41 1.65 0.00	31.38 1.41 0.00	29.89 1.37 0.00	29.89 1.37 0.00	29.39 1.37 0.00	29.16 1.26 0.00	29.41 1.10 0.00	29.18 0.96 0.00	31.28 0.94 0.00	32.19 0.88 0.00	35.85 0.91 0.00	38.25 0.82 0.00	41.03 0.93 0.19	44.05 1.08 0.02	48.41 1.18 0.01	54.68 1.38 0.00	59.03 1.83 0.00	74.05 2.98 0.00	70.69 3.17 0.00	65.01 3.04 0.00	59.49 2.50 0.00	51.58 2.27 0.00	45.83 1.98 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	36.51 -0.44 0.00	33.45 -0.30 0.00	29.67 -0.30 0.00	27.87 -0.66 0.00	27.72 -0.80 0.00	27.26 -0.76 0.00	27.29 -0.61 0.00	27.77 -0.54 0.00	27.57 -0.65 0.00	30.04 -0.30 0.00	31.34 0.03 0.00	35.08 0.14 0.00	37.39 -0.04 0.00	40.01 -0.28 0.00	42.78 -0.21 0.00	47.42 0.19 0.00	54.15 0.85 0.00	57.77 0.57 0.00	71.28 0.21 0.00	66.91 -0.61 0.00	61.66 -0.31 0.00	56.53 -0.46 0.00	49.02 -0.30 0.00	43.73 -0.13 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	40.24 3.29 0.00	36.59 2.84 0.00	32.55 2.58 0.00	31.00 2.48 0.00	30.91 2.40 0.00	30.37 2.35 0.00	30.25 2.34 0.00	30.80 2.49 0.00	30.82 2.60 0.00	33.04 2.70 0.00	34.04 2.72 0.00	38.05 3.11 0.00	40.91 3.48 0.00	44.36 3.95 -0.12	47.18 4.17 -0.01	51.63 4.39 -0.01	57.93 4.64 0.00	62.35 5.15 0.00	78.24 7.18 0.00	73.73 6.21 0.00	67.43 5.45 0.00	60.74 3.76 0.00	52.62 3.30 0.00	46.97 3.11 0.00
PEEKSKILL___ 23653	40.02 3.07 0.00	36.39 2.63 0.00	32.28 2.31 0.00	30.80 2.28 0.00	30.68 2.17 0.00	30.17 2.16 0.00	30.11 2.20 0.00	30.66 2.35 0.00	30.68 2.45 0.00	32.95 2.61 0.00	33.91 2.60 0.00	37.91 2.97 0.00	40.73 3.29 0.00	44.11 3.67 -0.16	46.83 3.82 -0.02	51.21 3.97 -0.01	57.35 4.05 0.00	61.60 4.40 0.00	76.90 5.83 0.00	72.65 5.13 0.00	66.37 4.40 0.00	60.00 3.02 0.00	52.02 2.71 0.00	46.53 2.68 0.00
PGE MADISON___WINDPWR 24146	39.62 2.66 0.00	36.45 2.70 0.00	32.31 2.34 0.00	30.60 2.08 0.00	30.71 2.20 0.00	30.28 2.27 0.00	30.03 2.12 0.00	30.32 2.01 0.00	29.95 1.72 0.00	31.95 1.61 0.00	32.75 1.44 0.00	36.62 1.68 0.00	39.41 1.98 0.00	42.14 1.85 0.00	45.18 2.19 0.00	49.88 2.64 0.00	56.87 3.57 0.00	61.60 4.40 0.00	77.75 6.68 0.00	74.41 6.89 0.00	68.48 6.51 0.00	62.68 5.70 0.00	53.75 4.44 0.00	47.46 3.60 0.00



PIERCEFIELD___HYD 23852	36.36 -0.59 0.00	33.35 -0.41 0.00	29.64 -0.33 0.00	28.21 -0.31 0.00	28.20 -0.31 0.00	27.71 -0.31 0.00	27.52 -0.39 0.00	27.86 -0.45 0.00	27.77 -0.45 0.00	29.80 -0.55 0.00	30.91 -0.41 0.00	34.52 -0.42 0.00	37.09 -0.34 0.00	39.81 -0.48 0.00	42.56 -0.43 0.00	46.86 -0.38 0.00	52.76 -0.53 0.00	56.80 -0.40 0.00	70.85 -0.21 0.00	67.65 0.14 0.00	62.35 0.37 0.00	57.89 0.91 0.00	50.00 0.69 0.00	44.21 0.35 0.00
PINELAWN_CC_1 323563	41.39 4.43 -0.01	37.61 3.85 -0.01	33.37 3.39 -0.01	31.78 3.25 -0.01	31.61 3.08 -0.01	31.04 3.03 0.00	30.95 3.04 0.00	31.66 3.34 -0.01	31.70 3.47 -0.01	34.09 3.73 -0.01	45.67 3.60 -10.75	47.59 4.05 -8.59	52.02 4.08 -10.51	50.39 4.43 -5.67	53.36 4.47 -5.89	61.62 4.72 -9.66	67.10 4.90 -8.90	66.28 5.37 -3.70	79.68 7.11 -1.50	76.87 6.34 -3.00	69.50 5.33 -2.20	60.46 3.48 0.00	54.18 3.40 -1.47	47.54 3.68 0.00
PJM_GEN_HTTP_PROXY 323702	40.39 3.44 0.00	36.69 2.94 0.00	32.58 2.61 0.00	31.09 2.57 0.00	30.94 2.42 0.00	30.45 2.44 0.00	30.45 2.54 0.00	31.03 2.72 0.00	31.07 2.85 0.00	33.41 3.06 0.00	34.32 3.01 0.00	38.37 3.43 0.00	41.21 3.78 0.00	44.64 4.19 -0.16	47.35 4.34 -0.02	51.73 4.49 -0.01	57.83 4.53 0.00	66.06 4.81 -4.06	73.26 6.26 4.06	73.12 5.60 0.00	66.75 4.77 0.00	60.29 3.30 0.00	52.47 3.16 0.00	46.97 3.11 0.00
PJM_GEN_KEystone 24065	38.10 1.15 0.00	34.80 1.05 0.00	30.93 0.96 0.00	29.26 0.74 0.00	29.20 0.68 0.00	28.66 0.64 0.00	28.63 0.72 0.00	29.16 0.85 0.00	29.10 0.88 0.00	31.40 1.06 0.00	32.50 1.19 0.00	36.34 1.40 0.00	38.89 1.46 0.00	41.95 1.57 -0.09	44.72 1.72 -0.01	49.13 1.89 0.00	55.00 2.13 0.43	62.84 2.06 -3.59	68.68 2.49 4.87	68.24 1.89 1.17	62.74 1.73 0.97	57.18 0.80 0.60	49.96 0.79 0.14	44.82 0.96 0.00
PJM_GEN_NEPTUNE_PROXY 323594	40.77 3.81 -0.01	37.07 3.31 -0.01	32.89 2.91 -0.01	31.38 2.85 -0.01	31.26 2.74 -0.01	30.71 2.69 0.00	30.61 2.71 0.00	31.29 2.97 -0.01	31.31 3.08 -0.01	33.63 3.28 -0.01	45.20 3.13 -10.75	47.06 3.53 -8.59	51.80 3.86 -10.51	50.01 4.19 -5.53	47.90 4.34 -0.57	52.11 4.58 -0.30	58.93 4.69 -0.95	66.69 5.03 -4.46	73.78 6.61 3.89	73.71 5.87 -0.32	67.28 5.08 -0.22	60.28 3.30 0.01	52.79 3.35 -0.12	46.97 3.11 0.00
PJM_GEN_VFT_PROXY 323633	40.24 3.29 0.00	36.59 2.84 0.00	32.46 2.49 0.00	30.98 2.45 0.00	30.83 2.31 0.00	30.34 2.32 0.00	30.33 2.43 0.00	30.95 2.63 0.00	30.99 2.77 0.00	33.32 2.98 0.00	34.26 2.94 0.00	38.30 3.35 0.00	41.14 3.71 0.00	44.51 4.07 -0.16	47.18 4.17 -0.02	51.49 4.25 -0.01	51.29 4.16 6.17	58.93 4.40 2.67	61.16 5.75 15.66	55.99 5.13 16.66	52.44 4.34 13.87	51.25 2.90 8.63	50.18 2.86 1.99	46.75 2.89 0.00
PLATSBURG_115KV_PMLD1 355749	36.58 -0.37 0.00	33.48 -0.27 0.00	29.73 -0.24 0.00	28.29 -0.23 0.00	28.26 -0.26 0.00	27.74 -0.28 0.00	27.60 -0.31 0.00	28.00 -0.31 0.00	27.91 -0.31 0.00	29.98 -0.36 0.00	31.09 -0.22 0.00	34.73 -0.21 0.00	37.32 -0.11 0.00	40.09 -0.20 0.00	42.91 -0.09 0.00	47.28 0.05 0.00	53.35 0.05 0.00	57.37 0.17 0.00	71.35 0.28 0.00	68.06 0.54 0.00	62.72 0.74 0.00	58.24 1.25 0.00	50.20 0.89 0.00	44.39 0.53 0.00
PLEASANTVLY___LBMP 24000	39.65 2.70 0.00	36.05 2.30 0.00	32.07 2.10 0.00	30.55 2.03 0.00	30.51 2.00 0.00	29.98 1.96 0.00	29.86 1.95 0.00	30.41 2.10 0.00	30.37 2.15 0.00	32.59 2.25 0.00	33.54 2.22 0.00	37.46 2.52 0.00	40.20 2.77 0.00	43.57 3.10 -0.17	46.19 3.18 -0.02	50.55 3.31 -0.01	56.71 3.41 0.00	60.86 3.66 0.00	75.97 4.90 0.00	71.98 4.46 0.00	65.82 3.84 0.00	59.60 2.62 0.00	51.73 2.42 0.00	46.23 2.37 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	40.09 3.14 0.00	36.45 2.70 0.00	32.40 2.43 0.00	30.86 2.34 0.00	30.80 2.28 0.00	30.26 2.24 0.00	30.17 2.26 0.00	30.75 2.43 0.00	30.76 2.54 0.00	33.04 2.70 0.00	33.98 2.66 0.00	37.98 3.04 0.00	40.84 3.41 0.00	44.28 3.83 -0.16	47.01 4.00 -0.02	51.40 4.16 -0.01	57.56 4.26 0.00	61.77 4.58 0.00	77.18 6.11 0.00	72.99 5.47 0.00	66.68 4.71 0.00	60.23 3.25 0.00	52.22 2.91 0.00	46.75 2.89 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	40.09 3.14 0.00	36.45 2.70 0.00	32.40 2.43 0.00	30.86 2.34 0.00	30.80 2.28 0.00	30.26 2.24 0.00	30.17 2.26 0.00	30.75 2.43 0.00	30.76 2.54 0.00	33.04 2.70 0.00	33.98 2.66 0.00	37.98 3.04 0.00	40.84 3.41 0.00	44.28 3.83 -0.16	47.01 4.00 -0.02	51.40 4.16 -0.01	57.56 4.26 0.00	61.77 4.58 0.00	77.18 6.11 0.00	72.99 5.47 0.00	66.68 4.71 0.00	60.23 3.25 0.00	52.22 2.91 0.00	46.75 2.89 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	39.91 2.96 0.00	36.28 2.53 0.00	32.25 2.28 0.00	30.72 2.20 0.00	30.68 2.17 0.00	30.15 2.13 0.00	30.03 2.12 0.00	30.55 2.24 0.00	30.51 2.29 0.00	32.71 2.37 0.00	33.63 2.32 0.00	37.56 2.62 0.00	40.39 2.96 0.00	43.46 3.34 0.17	46.50 3.53 0.02	50.96 3.73 0.01	57.24 3.94 0.00	61.49 4.29 0.00	76.97 5.90 0.00	72.79 5.27 0.00	66.62 4.65 0.00	60.23 3.25 0.00	52.17 2.86 0.00	46.62 2.76 0.00
POLETTI____ 23519	40.43 3.47 0.00	36.72 2.97 0.00	32.67 2.70 0.00	31.12 2.60 0.00	31.05 2.54 0.00	30.51 2.49 0.00	30.45 2.54 0.00	31.03 2.72 0.00	31.07 2.85 0.00	33.41 3.06 0.00	34.35 3.04 0.00	38.40 3.46 0.00	41.25 3.82 0.00	44.76 4.31 -0.16	47.39 4.39 -0.02	51.78 4.53 -0.01	57.77 4.48 0.00	61.89 4.69 0.00	77.25 6.18 0.00	73.06 5.54 0.00	66.75 4.77 0.00	60.23 3.25 0.00	52.52 3.21 0.00	47.06 3.20 0.00
POMONA___ESR 323819	39.98 3.03 0.00	36.39 2.63 0.00	32.25 2.28 0.00	30.77 2.25 0.00	30.66 2.14 0.00	30.14 2.13 0.00	30.08 2.18 0.00	30.63 2.32 0.00	30.65 2.43 0.00	32.95 2.61 0.00	33.91 2.60 0.00	37.88 2.94 0.00	40.73 3.29 0.00	44.10 3.67 -0.15	46.83 3.82 -0.02	51.21 3.97 -0.01	57.40 4.10 0.00	61.54 4.34 0.00	76.82 5.75 0.00	72.59 5.07 0.00	66.31 4.34 0.00	59.94 2.96 0.00	51.97 2.66 0.00	46.49 2.63 0.00
PORT_JEFF_3 23555	41.51 4.54 -0.01	37.67 3.91 -0.01	33.43 3.45 -0.01	31.84 3.31 -0.01	31.63 3.11 -0.01	31.04 3.03 0.00	30.98 3.07 0.00	31.72 3.40 -0.01	31.82 3.58 -0.01	34.27 3.92 -0.01	45.79 3.72 -10.75	47.73 4.19 -8.59	52.55 4.60 -10.51	50.92 5.04 -5.59	61.61 4.98 -13.64	67.00 5.15 -14.62	62.29 5.07 -3.92	64.22 5.37 -1.64	92.92 7.04 -14.82	75.19 6.34 -1.32	68.14 5.21 -0.96	60.51 3.53 0.00	53.21 3.25 -0.65	47.41 3.55 0.00
PORT_JEFF_4 23616	41.51 4.54 -0.01	37.67 3.91 -0.01	33.43 3.45 -0.01	31.84 3.31 -0.01	31.63 3.11 -0.01	31.04 3.03 0.00	30.98 3.07 0.00	31.72 3.40 -0.01	31.82 3.58 -0.01	34.27 3.92 -0.01	45.79 3.72 -10.75	47.73 4.19 -8.59	52.55 4.60 -10.51	50.92 5.04 -5.59	61.61 4.98 -13.64	67.00 5.15 -14.62	62.29 5.07 -3.92	64.22 5.37 -1.64	92.92 7.04 -14.82	75.19 6.34 -1.32	68.14 5.21 -0.96	60.51 3.53 0.00	53.21 3.25 -0.65	47.41 3.55 0.00



PORT_JEFF_IC 23713	41.54 4.58 0.00	37.70 3.95 0.00	33.54 3.57 0.00	31.86 3.34 0.00	31.71 3.19 0.00	31.15 3.14 0.00	31.00 3.10 0.00	31.74 3.43 0.00	31.87 3.64 0.00	34.33 3.97 -0.01	45.85 3.79 -10.75	47.80 4.26 -8.59	52.66 4.72 -10.51	51.09 5.20 -5.60	63.65 5.20 -15.45	72.78 5.38 -20.16	62.54 5.17 -4.07	64.28 5.38 -1.71	103.20 7.18 -24.96	75.30 6.41 -1.37	68.30 5.33 -0.99	60.74 3.76 0.00	53.49 3.50 -0.67	47.85 3.99 0.00
PPL PILGRIM_ST_GT1 24216	41.69 4.73 -0.01	37.88 4.12 -0.01	33.64 3.66 -0.01	32.01 3.48 -0.01	31.80 3.28 -0.01	31.24 3.22 0.00	31.14 3.24 0.00	31.89 3.57 -0.01	31.96 3.73 -0.01	34.39 4.04 -0.01	45.95 3.88 -10.75	47.90 4.37 -8.59	52.70 4.75 -10.51	51.05 5.16 -5.60	53.13 5.11 -5.02	106.44 5.43 -53.78	63.43 5.49 -4.64	65.08 5.95 -1.93	79.67 7.82 -0.79	76.14 7.02 -1.60	69.04 5.89 -1.17	60.97 3.99 0.00	53.89 3.80 -0.78	47.72 3.86 0.00
PPL PILGRIM_ST_GT2 24217	41.69 4.73 -0.01	37.88 4.12 -0.01	33.64 3.66 -0.01	32.01 3.48 -0.01	31.80 3.28 -0.01	31.24 3.22 0.00	31.14 3.24 0.00	31.89 3.57 -0.01	31.96 3.73 -0.01	34.39 4.04 -0.01	45.95 3.88 -10.75	47.90 4.37 -8.59	52.70 4.75 -10.51	51.05 5.16 -5.60	53.13 5.11 -5.02	106.44 5.43 -53.78	63.43 5.49 -4.64	65.08 5.95 -1.93	79.67 7.82 -0.79	76.14 7.02 -1.60	69.04 5.89 -1.17	60.97 3.99 0.00	53.89 3.80 -0.78	47.72 3.86 0.00
PPL_SHRM_GT3 24213	41.14 4.17 -0.01	37.34 3.58 -0.01	33.13 3.15 -0.01	31.52 2.99 -0.01	31.32 2.80 -0.01	30.73 2.72 0.00	30.67 2.76 0.00	31.43 3.11 -0.01	31.59 3.36 -0.01	34.06 3.70 -0.01	45.57 3.51 -10.75	47.52 3.98 -8.59	52.40 4.45 -10.51	50.72 4.83 -5.60	61.77 4.86 -13.92	68.48 5.06 -16.19	62.57 5.28 -3.99	64.71 5.84 -1.67	95.54 7.68 -16.80	75.76 6.89 -1.35	68.65 5.70 -0.98	60.74 3.76 0.00	53.23 3.25 -0.66	47.24 3.38 0.00
PPL_SHRM_GT4 24214	41.14 4.17 -0.01	37.34 3.58 -0.01	33.13 3.15 -0.01	31.52 2.99 -0.01	31.32 2.80 -0.01	30.73 2.72 0.00	30.67 2.76 0.00	31.43 3.11 -0.01	31.59 3.36 -0.01	34.06 3.70 -0.01	45.57 3.51 -10.75	47.52 3.98 -8.59	52.40 4.45 -10.51	50.72 4.83 -5.60	61.77 4.86 -13.92	68.48 5.06 -16.19	62.57 5.28 -3.99	64.71 5.84 -1.67	95.54 7.68 -16.80	75.76 6.89 -1.35	68.65 5.70 -0.98	60.74 3.76 0.00	53.23 3.25 -0.66	47.24 3.38 0.00
PROJECT___ORANGE 1 24174	36.92 -0.04 0.00	33.75 0.00 0.00	29.94 -0.03 0.00	28.44 -0.09 0.00	28.40 -0.11 0.00	27.88 -0.14 0.00	27.79 -0.11 0.00	28.23 -0.08 0.00	28.08 -0.14 0.00	30.28 -0.06 0.00	31.16 -0.16 0.00	34.80 -0.14 0.00	37.28 -0.15 0.00	40.09 -0.20 0.00	42.82 -0.17 0.00	47.09 -0.14 0.00	53.35 0.05 0.00	57.20 0.00 0.00	71.28 0.21 0.00	67.65 0.14 0.00	62.10 0.12 0.00	56.87 -0.11 0.00	49.11 -0.20 0.00	43.68 -0.18 0.00
PROJECT___ORANGE 2 24166	36.92 -0.04 0.00	33.75 0.00 0.00	29.94 -0.03 0.00	28.44 -0.09 0.00	28.40 -0.11 0.00	27.88 -0.14 0.00	27.79 -0.11 0.00	28.23 -0.08 0.00	28.08 -0.14 0.00	30.28 -0.06 0.00	31.16 -0.16 0.00	34.80 -0.14 0.00	37.28 -0.15 0.00	40.09 -0.20 0.00	42.82 -0.17 0.00	47.09 -0.14 0.00	53.35 0.05 0.00	57.20 0.00 0.00	71.28 0.21 0.00	67.65 0.14 0.00	62.10 0.12 0.00	56.87 -0.11 0.00	49.11 -0.20 0.00	43.68 -0.18 0.00
PUCKETT___SOLAR 323809	38.03 1.07 0.00	34.80 1.05 0.00	30.87 0.90 0.00	29.26 0.74 0.00	29.29 0.77 0.00	28.77 0.76 0.00	28.69 0.78 0.00	29.05 0.73 0.00	28.79 0.56 0.00	30.92 0.58 0.00	31.85 0.53 0.00	35.57 0.63 0.00	38.11 0.67 0.00	40.93 0.64 0.00	43.77 0.77 0.00	48.23 0.99 0.00	54.74 1.44 0.00	58.91 1.71 0.00	73.62 2.55 0.00	70.08 2.57 0.00	64.39 2.41 0.00	58.86 1.88 0.00	50.74 1.43 0.00	45.13 1.27 0.00
PYRITES___HYD 24023	36.84 -0.11 0.00	33.82 0.07 0.00	30.06 0.09 0.00	28.61 0.09 0.00	28.60 0.09 0.00	28.10 0.08 0.00	27.88 -0.03 0.00	28.17 -0.14 0.00	28.03 -0.20 0.00	29.98 -0.36 0.00	31.06 -0.25 0.00	34.70 -0.24 0.00	37.32 -0.11 0.00	40.01 -0.28 0.00	42.82 -0.17 0.00	47.14 -0.09 0.00	53.14 -0.16 0.00	57.31 0.11 0.00	71.64 0.57 0.00	68.67 1.15 0.00	63.34 1.36 0.00	58.92 1.94 0.00	50.84 1.53 0.00	44.87 1.01 0.00
QUAKERRD_115KV_BK1 80622	36.32 -0.63 0.00	33.08 -0.68 0.00	29.31 -0.66 0.00	27.72 -0.80 0.00	27.63 -0.88 0.00	27.06 -0.95 0.00	27.04 -0.87 0.00	27.58 -0.74 0.00	27.38 -0.85 0.00	29.67 -0.67 0.00	30.81 -0.50 0.00	34.52 -0.42 0.00	36.87 -0.56 0.00	39.56 -0.73 0.00	42.26 -0.73 0.00	46.62 -0.61 0.00	52.92 -0.37 0.00	56.74 -0.46 0.00	70.43 -0.64 0.00	66.57 -0.95 0.00	61.23 -0.74 0.00	56.41 -0.57 0.00	48.72 -0.59 0.00	43.24 -0.61 0.00
QUENSBRY_115KV_TB8 356137	39.54 2.59 0.00	35.91 2.16 0.00	31.71 1.74 0.00	30.12 1.60 0.00	30.14 1.63 0.00	29.67 1.65 0.00	29.41 1.51 0.00	29.61 1.30 0.00	29.44 1.21 0.00	31.53 1.18 0.00	32.19 0.88 0.00	35.99 1.05 0.00	38.03 0.60 0.00	40.70 0.68 0.27	43.91 0.95 0.03	48.26 1.04 0.01	54.84 1.55 0.00	59.43 2.23 0.00	75.26 4.19 0.00	71.84 4.32 0.00	66.06 4.09 0.00	60.40 3.42 0.00	52.52 3.21 0.00	46.45 2.59 0.00
RAMAPO___LBMP 323565	39.80 2.85 0.00	36.18 2.43 0.00	32.19 2.22 0.00	30.63 2.11 0.00	30.60 2.08 0.00	30.06 2.05 0.00	29.97 2.07 0.00	30.52 2.21 0.00	30.54 2.31 0.00	32.80 2.46 0.00	33.76 2.44 0.00	37.74 2.80 0.00	40.54 3.11 0.00	43.94 3.51 -0.15	46.62 3.61 -0.02	50.97 3.73 -0.01	57.08 3.78 0.00	61.14 3.95 0.00	76.40 5.33 0.00	72.25 4.73 0.00	66.06 4.09 0.00	59.66 2.68 0.00	51.73 2.42 0.00	46.36 2.50 0.00
RANKINE___ 23646	36.81 -0.15 0.00	33.72 -0.03 0.00	29.91 -0.06 0.00	28.09 -0.43 0.00	27.95 -0.57 0.00	27.46 -0.56 0.00	27.52 -0.39 0.00	28.03 -0.28 0.00	27.77 -0.45 0.00	30.25 -0.09 0.00	31.56 0.25 0.00	35.33 0.38 0.00	37.58 0.15 0.00	40.25 -0.04 0.00	42.99 0.00 0.00	47.61 0.38 0.00	54.36 1.07 0.00	58.00 0.80 0.00	71.56 0.50 0.00	67.18 -0.34 0.00	61.97 0.00 0.00	56.87 -0.11 0.00	49.46 0.15 0.00	44.08 0.22 0.00
RAVENSWOOD_GT2_1 24244	40.43 3.47 0.00	36.72 2.97 0.00	32.67 2.70 0.00	31.12 2.60 0.00	31.03 2.51 0.00	30.48 2.47 0.00	30.42 2.51 0.00	31.03 2.72 0.00	31.05 2.82 0.00	33.38 3.03 0.00	34.32 3.01 0.00	38.37 3.42 0.00	41.21 3.78 0.00	44.72 4.27 -0.16	47.39 4.39 -0.02	51.78 4.53 -0.01	57.77 4.48 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.23 3.25 0.00	52.47 3.16 0.00	47.06 3.20 0.00
RAVENSWOOD_GT2_2 24245	40.43 3.47 0.00	36.72 2.97 0.00	32.67 2.70 0.00	31.12 2.60 0.00	31.03 2.51 0.00	30.48 2.47 0.00	30.42 2.51 0.00	31.03 2.72 0.00	31.05 2.82 0.00	33.38 3.03 0.00	34.32 3.01 0.00	38.37 3.42 0.00	41.21 3.78 0.00	44.72 4.27 -0.16	47.39 4.39 -0.02	51.78 4.53 -0.01	57.77 4.48 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.23 3.25 0.00	52.47 3.16 0.00	47.06 3.20 0.00



RAVENSWOOD_GT2_3 24246	40.43 3.47 0.00	36.76 3.00 0.00	32.70 2.73 0.00	31.12 2.60 0.00	31.05 2.54 0.00	30.51 2.49 0.00	30.45 2.54 0.00	31.03 2.72 0.00	31.07 2.85 0.00	33.41 3.06 0.00	34.35 3.04 0.00	38.40 3.46 0.00	41.25 3.82 0.00	44.76 4.31 -0.16	47.44 4.43 -0.02	51.82 4.58 -0.01	57.83 4.53 0.00	61.94 4.75 0.00	77.32 6.25 0.00	73.19 5.67 0.00	66.87 4.90 0.00	60.29 3.30 0.00	52.52 3.21 0.00	47.06 3.20 0.00
RAVENSWOOD_GT2_4 24247	40.43 3.47 0.00	36.76 3.00 0.00	32.70 2.73 0.00	31.12 2.60 0.00	31.05 2.54 0.00	30.51 2.49 0.00	30.45 2.54 0.00	31.03 2.72 0.00	31.07 2.85 0.00	33.41 3.06 0.00	34.35 3.04 0.00	38.40 3.46 0.00	41.25 3.82 0.00	44.76 4.31 -0.16	47.44 4.43 -0.02	51.82 4.58 -0.01	57.83 4.53 0.00	61.94 4.75 0.00	77.32 6.25 0.00	73.19 5.67 0.00	66.87 4.90 0.00	60.29 3.30 0.00	52.52 3.21 0.00	47.06 3.20 0.00
RAVENSWOOD_GT3_1 24248	40.43 3.47 0.00	36.72 2.97 0.00	32.67 2.70 0.00	31.12 2.60 0.00	31.03 2.51 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.03 2.72 0.00	31.07 2.85 0.00	33.41 3.06 0.00	34.32 3.01 0.00	38.40 3.46 0.00	41.25 3.82 0.00	44.72 4.27 -0.16	47.39 4.39 -0.02	51.78 4.53 -0.01	57.83 4.53 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.23 3.25 0.00	52.47 3.16 0.00	47.06 3.20 0.00
RAVENSWOOD_GT3_2 24249	40.43 3.47 0.00	36.72 2.97 0.00	32.67 2.70 0.00	31.12 2.60 0.00	31.03 2.51 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.03 2.72 0.00	31.07 2.85 0.00	33.41 3.06 0.00	34.32 3.01 0.00	38.40 3.46 0.00	41.25 3.82 0.00	44.72 4.27 -0.16	47.39 4.39 -0.02	51.78 4.53 -0.01	57.83 4.53 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.23 3.25 0.00	52.47 3.16 0.00	47.06 3.20 0.00
RAVENSWOOD_GT3_3 24250	40.50 3.55 0.00	36.79 3.04 0.00	32.73 2.76 0.00	31.17 2.65 0.00	31.08 2.57 0.00	30.54 2.52 0.00	30.50 2.60 0.00	31.09 2.77 0.00	31.10 2.88 0.00	33.47 3.13 0.00	34.38 3.07 0.00	38.47 3.53 0.00	41.32 3.89 0.00	44.84 4.39 -0.16	47.48 4.47 -0.02	51.92 4.68 -0.01	57.93 4.64 0.00	62.06 4.86 0.00	77.46 6.40 0.00	73.26 5.74 0.00	66.99 5.02 0.00	60.40 3.42 0.00	52.57 3.25 0.00	47.15 3.29 0.00
RAVENSWOOD_GT3_4 24251	40.50 3.55 0.00	36.79 3.04 0.00	32.73 2.76 0.00	31.17 2.65 0.00	31.08 2.57 0.00	30.54 2.52 0.00	30.50 2.60 0.00	31.09 2.77 0.00	31.10 2.88 0.00	33.47 3.13 0.00	34.38 3.07 0.00	38.47 3.53 0.00	41.32 3.89 0.00	44.84 4.39 -0.16	47.48 4.47 -0.02	51.92 4.68 -0.01	57.93 4.64 0.00	62.06 4.86 0.00	77.46 6.40 0.00	73.26 5.74 0.00	66.99 5.02 0.00	60.40 3.42 0.00	52.57 3.25 0.00	47.15 3.29 0.00
RAVENSWOOD_GT_1 23729	40.62 3.66 -0.01	36.90 3.14 -0.01	32.83 2.85 -0.01	31.27 2.74 -0.01	31.18 2.65 -0.01	30.59 2.58 0.00	30.50 2.60 0.00	31.09 2.77 0.00	31.13 2.91 0.00	33.47 3.13 0.00	34.44 3.13 0.00	38.50 3.56 0.00	41.40 3.97 0.00	44.92 4.47 -0.16	47.52 4.51 -0.02	51.82 4.58 -0.01	57.77 4.48 0.00	61.83 4.63 0.00	77.25 6.18 0.00	73.06 5.54 0.00	66.75 4.77 0.00	60.12 3.13 0.00	52.47 3.16 0.00	47.24 3.38 0.00
RAVENSWOOD_GT_10 24258	40.43 3.47 0.00	36.72 2.97 0.00	32.67 2.70 0.00	31.12 2.60 0.00	31.03 2.51 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.03 2.72 0.00	31.05 2.82 0.00	33.41 3.06 0.00	34.32 3.01 0.00	38.40 3.46 0.00	41.21 3.78 0.00	44.72 4.27 -0.16	47.39 4.39 -0.02	51.78 4.53 -0.01	57.83 4.53 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.23 3.25 0.00	52.47 3.16 0.00	47.06 3.20 0.00
RAVENSWOOD_GT_11 24259	40.43 3.47 0.00	36.72 2.97 0.00	32.67 2.70 0.00	31.12 2.60 0.00	31.03 2.51 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.03 2.72 0.00	31.05 2.82 0.00	33.41 3.06 0.00	34.32 3.01 0.00	38.40 3.46 0.00	41.21 3.78 0.00	44.72 4.27 -0.16	47.39 4.39 -0.02	51.78 4.53 -0.01	57.83 4.53 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.23 3.25 0.00	52.47 3.16 0.00	47.06 3.20 0.00
RAVENSWOOD_GT_4 24252	40.38 3.44 0.01	36.68 2.94 0.01	32.63 2.67 0.01	31.08 2.57 0.01	31.02 2.51 0.01	30.48 2.47 0.00	30.42 2.51 0.00	31.00 2.69 0.00	31.05 2.82 0.00	33.38 3.03 0.00	34.32 3.01 0.00	38.37 3.42 0.00	41.21 3.78 0.00	44.72 4.27 -0.16	47.39 4.39 -0.02	51.78 4.53 -0.01	57.83 4.53 0.00	61.94 4.75 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.87 4.90 0.00	60.29 3.30 0.00	52.47 3.16 0.00	47.02 3.16 0.00
RAVENSWOOD_GT_5 24254	40.38 3.44 0.01	36.68 2.94 0.01	32.63 2.67 0.01	31.08 2.57 0.01	31.02 2.51 0.01	30.48 2.47 0.00	30.42 2.51 0.00	31.00 2.69 0.00	31.05 2.82 0.00	33.38 3.03 0.00	34.32 3.01 0.00	38.37 3.42 0.00	41.21 3.78 0.00	44.72 4.27 -0.16	47.39 4.39 -0.02	51.78 4.53 -0.01	57.83 4.53 0.00	61.94 4.75 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.87 4.90 0.00	60.29 3.30 0.00	52.47 3.16 0.00	47.02 3.16 0.00
RAVENSWOOD_GT_6 24253	40.38 3.44 0.01	36.68 2.94 0.01	32.63 2.67 0.01	31.08 2.57 0.01	31.02 2.51 0.01	30.48 2.47 0.00	30.42 2.51 0.00	31.00 2.69 0.00	31.05 2.82 0.00	33.38 3.03 0.00	34.32 3.01 0.00	38.37 3.42 0.00	41.21 3.78 0.00	44.72 4.27 -0.16	47.39 4.39 -0.02	51.78 4.53 -0.01	57.83 4.53 0.00	61.94 4.75 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.87 4.90 0.00	60.29 3.30 0.00	52.47 3.16 0.00	47.02 3.16 0.00
RAVENSWOOD_GT_7 24255	40.38 3.44 0.01	36.68 2.94 0.01	32.63 2.67 0.01	31.08 2.57 0.01	31.02 2.51 0.01	30.48 2.47 0.00	30.42 2.51 0.00	31.00 2.69 0.00	31.05 2.82 0.00	33.38 3.03 0.00	34.32 3.01 0.00	38.37 3.42 0.00	41.21 3.78 0.00	44.72 4.27 -0.16	47.39 4.39 -0.02	51.78 4.53 -0.01	57.83 4.53 0.00	61.94 4.75 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.87 4.90 0.00	60.29 3.30 0.00	52.47 3.16 0.00	47.02 3.16 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	40.43 3.47 0.00	36.72 2.97 0.00	32.67 2.70 0.00	31.12 2.60 0.00	31.03 2.51 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.03 2.72 0.00	31.05 2.82 0.00	33.41 3.06 0.00	34.32 3.01 0.00	38.40 3.46 0.00	41.21 3.78 0.00	44.72 4.27 -0.16	47.39 4.39 -0.02	51.78 4.53 -0.01	57.83 4.53 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.23 3.25 0.00	52.47 3.16 0.00	47.06 3.20 0.00
RAVENSWOOD_GT_9 24257	40.43 3.47 0.00	36.72 2.97 0.00	32.67 2.70 0.00	31.12 2.60 0.00	31.03 2.51 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.03 2.72 0.00	31.05 2.82 0.00	33.41 3.06 0.00	34.32 3.01 0.00	38.40 3.46 0.00	41.21 3.78 0.00	44.72 4.27 -0.16	47.39 4.39 -0.02	51.78 4.53 -0.01	57.83 4.53 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.23 3.25 0.00	52.47 3.16 0.00	47.06 3.20 0.00



RAVENSWOOD___1 23533	40.58 3.62 -0.01	36.90 3.14 -0.01	32.74 2.76 -0.01	31.24 2.71 -0.01	31.09 2.57 -0.01	30.57 2.55 0.00	30.50 2.60 0.00	31.09 2.78 0.00	31.13 2.91 0.00	33.47 3.13 0.00	34.41 3.10 0.00	38.51 3.57 0.00	41.36 3.93 0.00	44.80 4.35 -0.16	47.44 4.43 -0.02	51.78 4.54 -0.01	57.72 4.42 0.00	61.94 4.74 0.00	77.18 6.11 0.00	72.99 5.47 0.00	66.68 4.71 0.00	60.17 3.19 0.00	52.42 3.11 0.00	47.19 3.33 0.00
RAVENSWOOD___2 23534	40.58 3.62 -0.01	36.90 3.14 -0.01	32.74 2.76 -0.01	31.24 2.71 -0.01	31.09 2.57 -0.01	30.57 2.55 0.00	30.47 2.57 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.10 0.00	34.41 3.10 0.00	38.47 3.53 0.00	41.36 3.93 0.00	44.80 4.35 -0.16	47.44 4.43 -0.02	51.78 4.54 -0.01	57.72 4.42 0.00	61.94 4.74 0.00	77.18 6.11 0.00	72.99 5.47 0.00	66.62 4.65 0.00	60.11 3.13 0.00	52.42 3.11 0.00	47.19 3.33 0.00
RAVENSWOOD___3 23535	40.43 3.47 0.00	36.76 3.00 0.00	32.61 2.64 0.00	31.12 2.60 0.00	30.97 2.45 0.00	30.48 2.47 0.00	30.45 2.54 0.00	31.03 2.72 0.00	31.07 2.85 0.00	33.38 3.03 0.00	34.32 3.01 0.00	38.40 3.46 0.00	41.25 3.82 0.00	44.68 4.23 -0.16	47.35 4.34 -0.02	51.73 4.49 -0.01	57.83 4.53 0.00	62.00 4.81 0.00	77.32 6.26 0.00	73.12 5.60 0.00	66.75 4.77 0.00	60.29 3.30 0.00	52.47 3.16 0.00	47.02 3.16 0.00
RAVENSWOOD___4 23820	40.58 3.62 -0.01	36.86 3.10 -0.01	32.71 2.73 -0.01	31.21 2.68 -0.01	31.09 2.57 -0.01	30.54 2.52 0.00	30.47 2.57 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.10 0.00	34.38 3.07 0.00	38.47 3.53 0.00	41.32 3.89 0.00	44.80 4.35 -0.16	47.40 4.39 -0.02	51.78 4.54 -0.01	57.72 4.42 0.00	61.89 4.69 0.00	77.18 6.11 0.00	72.99 5.47 0.00	66.62 4.65 0.00	60.11 3.13 0.00	52.42 3.11 0.00	47.15 3.29 0.00
RCPL_TRUST___DRP 24196	40.43 3.47 0.00	36.76 3.00 0.00	32.70 2.73 0.00	31.15 2.62 0.00	31.05 2.54 0.00	30.51 2.49 0.00	30.47 2.57 0.00	31.06 2.75 0.00	31.13 2.91 0.00	33.47 3.13 0.00	34.38 3.07 0.00	38.43 3.49 0.00	41.29 3.86 0.00	44.80 4.35 -0.16	47.48 4.47 -0.02	51.87 4.63 -0.01	57.93 4.64 0.00	62.00 4.80 0.00	77.46 6.40 0.00	73.26 5.74 0.00	66.93 4.96 0.00	60.34 3.36 0.00	52.57 3.25 0.00	47.06 3.20 0.00
RED___ROCHESTER 323720	37.36 0.41 0.00	34.02 0.27 0.00	30.30 0.33 0.00	28.44 -0.09 0.00	28.43 -0.09 0.00	27.74 -0.28 0.00	27.68 -0.22 0.00	28.28 -0.03 0.00	28.03 -0.20 0.00	30.49 0.15 0.00	31.72 0.41 0.00	35.57 0.63 0.00	37.99 0.56 0.00	40.81 0.52 0.00	43.64 0.65 0.00	48.13 0.90 0.00	54.63 1.33 0.00	58.57 1.37 0.00	72.63 1.56 0.00	68.60 1.08 0.00	63.28 1.30 0.00	58.18 1.20 0.00	50.25 0.93 0.00	44.69 0.83 0.00
REGAN___SOLAR 323812	40.32 3.36 0.00	36.69 2.94 0.00	32.43 2.46 0.00	30.83 2.31 0.00	30.86 2.34 0.00	30.37 2.35 0.00	30.03 2.12 0.00	30.13 1.81 0.00	29.83 1.61 0.00	31.98 1.64 0.00	32.88 1.57 0.00	36.62 1.68 0.00	38.89 1.46 0.00	41.73 1.61 0.17	45.00 2.02 0.02	49.45 2.22 0.01	56.12 2.82 0.00	60.80 3.61 0.00	76.68 5.61 0.00	73.53 6.01 0.00	67.74 5.76 0.00	61.94 4.95 0.00	53.80 4.49 0.00	47.63 3.77 0.00
RENSSELAER___COGEN 23796	37.95 1.00 0.00	34.53 0.78 0.00	30.69 0.72 0.00	29.26 0.74 0.00	29.23 0.71 0.00	28.74 0.73 0.00	28.60 0.70 0.00	28.96 0.65 0.00	28.82 0.59 0.00	30.92 0.58 0.00	31.88 0.56 0.00	35.53 0.59 0.00	37.99 0.56 0.00	40.82 0.68 0.15	43.66 0.69 0.02	47.89 0.66 0.01	53.99 0.69 0.00	58.06 0.86 0.00	72.41 1.35 0.00	68.80 1.28 0.00	63.03 1.05 0.00	57.55 0.57 0.00	49.91 0.59 0.00	44.43 0.57 0.00
REPUBLIC_115KV_BARTNBRK 55605	41.65 4.69 0.00	37.70 3.95 0.00	33.12 3.15 0.00	31.35 2.82 0.00	31.43 2.91 0.00	30.96 2.94 0.00	30.58 2.68 0.00	30.58 2.26 0.00	30.37 2.15 0.00	32.53 2.18 0.00	33.19 1.88 0.00	37.21 2.27 0.00	38.93 1.50 0.00	41.67 1.65 0.27	45.33 2.36 0.03	49.96 2.74 0.01	57.19 3.89 0.00	62.29 5.09 0.00	79.38 8.31 0.00	76.09 8.57 0.00	69.97 7.99 0.00	64.05 7.07 0.00	55.82 6.51 0.00	49.03 5.18 0.00
REVERE_CPPR_DRP 24186	38.02 1.07 0.00	34.83 1.08 0.00	30.87 0.90 0.00	29.35 0.83 0.00	29.37 0.86 0.00	28.94 0.92 0.00	28.74 0.84 0.00	29.08 0.76 0.00	28.90 0.68 0.00	31.01 0.67 0.00	31.88 0.56 0.00	35.57 0.63 0.00	38.18 0.75 0.00	40.93 0.64 0.00	43.81 0.82 0.00	48.23 0.99 0.00	54.63 1.33 0.00	58.91 1.72 0.00	73.98 2.91 0.00	70.56 3.04 0.00	64.82 2.85 0.00	59.38 2.39 0.00	51.14 1.82 0.00	45.22 1.36 0.00
REYNLDPA_13_KV_LD 356490	36.32 -0.63 0.00	33.25 -0.51 0.00	29.55 -0.42 0.00	28.12 -0.40 0.00	28.12 -0.40 0.00	27.60 -0.42 0.00	27.46 -0.45 0.00	27.86 -0.45 0.00	27.80 -0.42 0.00	29.86 -0.49 0.00	30.97 -0.34 0.00	34.59 -0.35 0.00	37.13 -0.30 0.00	39.89 -0.40 0.00	42.61 -0.39 0.00	46.90 -0.33 0.00	52.82 -0.48 0.00	56.68 -0.51 0.00	70.28 -0.78 0.00	66.98 -0.54 0.00	61.60 -0.37 0.00	57.21 0.23 0.00	49.41 0.10 0.00	43.86 0.00 0.00
REYNOLDS_115KV_TB3 80639	38.17 1.22 0.00	34.80 1.05 0.00	30.90 0.93 0.00	29.43 0.91 0.00	29.43 0.91 0.00	28.91 0.90 0.00	28.77 0.87 0.00	29.13 0.82 0.00	29.01 0.79 0.00	31.13 0.79 0.00	32.07 0.75 0.00	35.78 0.84 0.00	38.25 0.82 0.00	41.07 0.97 0.18	44.01 1.03 0.02	48.27 1.04 0.01	54.42 1.12 0.00	58.46 1.26 0.00	72.91 1.85 0.00	69.21 1.69 0.00	63.46 1.49 0.00	57.89 0.91 0.00	50.25 0.94 0.00	44.74 0.88 0.00
RIVERBAY____ 323610	41.17 4.21 -0.01	37.44 3.68 -0.01	33.25 3.27 -0.01	31.64 3.11 -0.01	31.58 3.05 -0.01	30.90 2.89 0.00	30.70 2.79 0.00	31.28 2.97 0.00	31.30 3.08 0.00	33.68 3.34 0.00	34.63 3.32 0.00	38.75 3.81 0.00	41.62 4.19 0.00	45.24 4.79 -0.16	47.78 4.77 -0.02	52.15 4.91 -0.01	58.15 4.85 0.00	62.23 5.03 0.00	77.68 6.61 0.00	73.53 6.01 0.00	67.24 5.27 0.00	60.51 3.53 0.00	52.96 3.65 0.00	47.81 3.95 0.00
RIVERSDE_115KV_TB3 55908	38.10 1.15 0.00	34.73 0.98 0.00	30.84 0.87 0.00	29.38 0.86 0.00	29.37 0.86 0.00	28.86 0.84 0.00	28.72 0.81 0.00	29.05 0.74 0.00	28.93 0.71 0.00	31.04 0.70 0.00	31.97 0.66 0.00	35.67 0.73 0.00	38.14 0.71 0.00	40.97 0.85 0.17	43.83 0.86 0.02	48.12 0.90 0.01	54.26 0.96 0.00	58.28 1.09 0.00	72.70 1.63 0.00	69.07 1.55 0.00	63.34 1.36 0.00	57.78 0.80 0.00	50.15 0.84 0.00	44.65 0.79 0.00
ROARING___BROOK_WT_PWR 323790	36.51 -0.44 0.00	33.38 -0.37 0.00	29.64 -0.33 0.00	28.26 -0.26 0.00	28.29 -0.23 0.00	27.82 -0.19 0.00	27.71 -0.19 0.00	28.14 -0.17 0.00	28.08 -0.14 0.00	30.16 -0.18 0.00	31.13 -0.19 0.00	34.73 -0.21 0.00	37.21 -0.22 0.00	40.05 -0.24 0.00	42.74 -0.26 0.00	47.00 -0.24 0.00	52.98 -0.32 0.00	56.91 -0.28 0.00	70.78 -0.28 0.00	67.32 -0.20 0.00	61.73 -0.25 0.00	56.81 -0.17 0.00	49.07 -0.25 0.00	43.60 -0.26 0.00



ROCHESRG_115KV_T4 355643	36.92 -0.04 0.00	33.65 -0.10 0.00	29.85 -0.12 0.00	28.18 -0.34 0.00	28.06 -0.46 0.00	27.51 -0.50 0.00	27.49 -0.42 0.00	28.06 -0.25 0.00	27.83 -0.40 0.00	30.22 -0.12 0.00	31.41 0.09 0.00	35.15 0.21 0.00	37.51 0.07 0.00	40.21 -0.08 0.00	42.99 0.00 0.00	47.42 0.19 0.00	53.88 0.59 0.00	57.71 0.51 0.00	71.64 0.57 0.00	67.52 0.00 0.00	62.16 0.19 0.00	57.27 0.28 0.00	49.51 0.20 0.00	44.03 0.18 0.00
ROCHESTER_9_IC 23652	37.14 0.18 0.00	33.82 0.07 0.00	30.00 0.03 0.00	28.32 -0.20 0.00	28.20 -0.31 0.00	27.62 -0.39 0.00	27.60 -0.31 0.00	28.17 -0.14 0.00	27.94 -0.28 0.00	30.34 0.00 0.00	31.56 0.25 0.00	35.36 0.42 0.00	37.73 0.30 0.00	40.49 0.20 0.00	43.29 0.30 0.00	47.75 0.52 0.00	54.26 0.96 0.00	58.11 0.92 0.00	72.13 1.07 0.00	68.06 0.54 0.00	62.66 0.68 0.00	57.78 0.80 0.00	49.90 0.59 0.00	44.34 0.48 0.00
ROCKVIEW_13_KV_LD 356306	40.35 3.40 0.00	36.66 2.90 0.00	32.58 2.61 0.00	31.03 2.51 0.00	30.97 2.45 0.00	30.43 2.41 0.00	30.36 2.46 0.00	30.92 2.60 0.00	30.96 2.74 0.00	33.28 2.94 0.00	34.23 2.91 0.00	38.30 3.35 0.00	41.17 3.74 0.00	44.68 4.23 -0.16	47.39 4.39 -0.02	51.82 4.58 -0.01	58.04 4.74 0.00	62.17 4.98 0.00	77.75 6.68 0.00	73.53 6.01 0.00	67.12 5.14 0.00	60.57 3.59 0.00	52.47 3.16 0.00	47.02 3.16 0.00
ROME____115KV_TB2 80656	38.02 1.07 0.00	34.83 1.08 0.00	30.87 0.90 0.00	29.35 0.83 0.00	29.37 0.86 0.00	28.94 0.92 0.00	28.74 0.84 0.00	29.08 0.76 0.00	28.90 0.68 0.00	31.01 0.67 0.00	31.88 0.56 0.00	35.57 0.63 0.00	38.18 0.75 0.00	40.93 0.64 0.00	43.81 0.82 0.00	48.23 0.99 0.00	54.63 1.33 0.00	58.91 1.72 0.00	73.98 2.91 0.00	70.56 3.04 0.00	64.82 2.85 0.00	59.38 2.39 0.00	51.14 1.82 0.00	45.22 1.36 0.00
ROSETON____1 23587	39.62 2.66 0.00	36.05 2.30 0.00	31.98 2.01 0.00	30.52 2.00 0.00	30.43 1.91 0.00	29.92 1.91 0.00	29.83 1.92 0.00	30.38 2.07 0.00	30.34 2.12 0.00	32.59 2.25 0.00	33.50 2.19 0.00	37.42 2.48 0.00	40.20 2.77 0.00	43.50 3.06 -0.15	46.14 3.14 -0.02	50.50 3.26 -0.01	56.66 3.36 0.00	60.86 3.66 0.00	75.90 4.83 0.00	71.84 4.33 0.00	65.69 3.72 0.00	59.49 2.50 0.00	51.63 2.32 0.00	46.14 2.28 0.00
ROSETON____2 23588	39.62 2.66 0.00	36.05 2.30 0.00	31.98 2.01 0.00	30.52 2.00 0.00	30.43 1.91 0.00	29.92 1.91 0.00	29.83 1.92 0.00	30.38 2.07 0.00	30.34 2.12 0.00	32.59 2.25 0.00	33.50 2.19 0.00	37.42 2.48 0.00	40.20 2.77 0.00	43.50 3.06 -0.15	46.14 3.14 -0.02	50.50 3.26 -0.01	56.66 3.36 0.00	60.86 3.66 0.00	75.90 4.83 0.00	71.84 4.33 0.00	65.69 3.72 0.00	59.49 2.50 0.00	51.63 2.32 0.00	46.14 2.28 0.00
ROTTRDAM_115KV_TB3 80664	38.43 1.48 0.00	35.04 1.28 0.00	31.08 1.11 0.00	29.61 1.08 0.00	29.60 1.08 0.00	29.11 1.09 0.00	28.94 1.03 0.00	29.27 0.96 0.00	29.13 0.90 0.00	31.25 0.91 0.00	32.16 0.85 0.00	35.88 0.94 0.00	38.37 0.94 0.00	41.15 1.05 0.19	44.13 1.16 0.02	48.45 1.23 0.01	54.68 1.39 0.00	58.80 1.60 0.00	73.48 2.42 0.00	69.88 2.36 0.00	64.20 2.23 0.00	58.63 1.65 0.00	50.89 1.58 0.00	45.26 1.40 0.00
RUSSELL____1 23602	37.36 0.41 0.00	33.99 0.24 0.00	30.12 0.15 0.00	28.44 -0.09 0.00	28.32 -0.20 0.00	27.74 -0.28 0.00	27.68 -0.22 0.00	28.28 -0.03 0.00	28.03 -0.20 0.00	30.46 0.12 0.00	31.72 0.41 0.00	35.57 0.63 0.00	37.99 0.56 0.00	40.73 0.44 0.00	43.59 0.60 0.00	48.09 0.85 0.00	54.63 1.33 0.00	58.57 1.37 0.00	72.70 1.63 0.00	68.60 1.08 0.00	63.15 1.18 0.00	58.29 1.31 0.00	50.25 0.94 0.00	44.60 0.75 0.00
RUSSELL____2 23532	37.36 0.41 0.00	33.99 0.24 0.00	30.12 0.15 0.00	28.44 -0.09 0.00	28.32 -0.20 0.00	27.74 -0.28 0.00	27.68 -0.22 0.00	28.28 -0.03 0.00	28.03 -0.20 0.00	30.46 0.12 0.00	31.72 0.41 0.00	35.57 0.63 0.00	37.99 0.56 0.00	40.73 0.44 0.00	43.59 0.60 0.00	48.09 0.85 0.00	54.63 1.33 0.00	58.57 1.37 0.00	72.70 1.63 0.00	68.60 1.08 0.00	63.15 1.18 0.00	58.29 1.31 0.00	50.25 0.94 0.00	44.60 0.75 0.00
RUSSELL____3 23549	37.36 0.41 0.00	33.99 0.24 0.00	30.12 0.15 0.00	28.44 -0.09 0.00	28.32 -0.20 0.00	27.74 -0.28 0.00	27.68 -0.22 0.00	28.28 -0.03 0.00	28.03 -0.20 0.00	30.46 0.12 0.00	31.72 0.41 0.00	35.57 0.63 0.00	37.99 0.56 0.00	40.73 0.44 0.00	43.59 0.60 0.00	48.09 0.85 0.00	54.63 1.33 0.00	58.57 1.37 0.00	72.70 1.63 0.00	68.60 1.08 0.00	63.15 1.18 0.00	58.29 1.31 0.00	50.25 0.94 0.00	44.60 0.75 0.00
RUSSELL____4 23556	37.36 0.41 0.00	33.99 0.24 0.00	30.12 0.15 0.00	28.44 -0.09 0.00	28.32 -0.20 0.00	27.74 -0.28 0.00	27.68 -0.22 0.00	28.28 -0.03 0.00	28.03 -0.20 0.00	30.46 0.12 0.00	31.72 0.41 0.00	35.57 0.63 0.00	37.99 0.56 0.00	40.73 0.44 0.00	43.59 0.60 0.00	48.09 0.85 0.00	54.63 1.33 0.00	58.57 1.37 0.00	72.70 1.63 0.00	68.60 1.08 0.00	63.15 1.18 0.00	58.29 1.31 0.00	50.25 0.94 0.00	44.60 0.75 0.00
RUSSELL____STATION 23914	37.36 0.41 0.00	33.99 0.24 0.00	30.12 0.15 0.00	28.44 -0.09 0.00	28.32 -0.20 0.00	27.74 -0.28 0.00	27.68 -0.22 0.00	28.28 -0.03 0.00	28.03 -0.20 0.00	30.46 0.12 0.00	31.72 0.41 0.00	35.57 0.63 0.00	37.99 0.56 0.00	40.73 0.44 0.00	43.59 0.60 0.00	48.09 0.85 0.00	54.63 1.33 0.00	58.57 1.37 0.00	72.70 1.63 0.00	68.60 1.08 0.00	63.15 1.18 0.00	58.29 1.31 0.00	50.25 0.94 0.00	44.60 0.75 0.00
S SALMON____HYD 24043	36.84 -0.11 0.00	33.75 0.00 0.00	29.94 -0.03 0.00	28.44 -0.09 0.00	28.46 -0.06 0.00	27.96 -0.06 0.00	27.79 -0.11 0.00	28.17 -0.14 0.00	27.94 -0.28 0.00	30.07 -0.27 0.00	30.91 -0.41 0.00	34.45 -0.49 0.00	36.87 -0.56 0.00	39.60 -0.69 0.00	42.39 -0.60 0.00	46.57 -0.66 0.00	52.60 -0.69 0.00	56.63 -0.57 0.00	70.92 -0.14 0.00	67.65 0.14 0.00	62.16 0.19 0.00	56.98 0.00 0.00	49.26 -0.05 0.00	43.77 -0.09 0.00
S.PERRY__115KV_TB1 80734	38.25 1.29 0.00	34.77 1.01 0.00	30.81 0.84 0.00	29.06 0.54 0.00	28.94 0.43 0.00	28.35 0.34 0.00	28.27 0.36 0.00	28.62 0.31 0.00	28.11 -0.11 0.00	30.40 0.06 0.00	31.50 0.19 0.00	35.26 0.31 0.00	37.66 0.22 0.00	40.41 0.12 0.00	43.25 0.26 0.00	47.90 0.66 0.00	52.98 -0.32 0.00	57.03 -0.17 0.00	71.56 0.50 0.00	68.26 0.74 0.00	63.15 1.18 0.00	58.29 1.31 0.00	50.15 0.84 0.00	45.96 2.11 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	36.58 -0.37 0.00	33.52 -0.24 0.00	29.73 -0.24 0.00	27.92 -0.60 0.00	27.75 -0.77 0.00	27.26 -0.76 0.00	27.35 -0.56 0.00	27.89 -0.42 0.00	27.63 -0.59 0.00	30.10 -0.24 0.00	31.41 0.09 0.00	35.12 0.17 0.00	37.36 -0.07 0.00	39.97 -0.32 0.00	42.65 -0.34 0.00	47.19 -0.05 0.00	53.88 0.59 0.00	57.54 0.34 0.00	70.92 -0.14 0.00	66.57 -0.95 0.00	61.42 -0.56 0.00	56.41 -0.57 0.00	49.07 -0.25 0.00	43.77 -0.09 0.00



SAWYER___23_KV_LOAD 55526	36.58 -0.37 0.00	33.52 -0.24 0.00	29.73 -0.24 0.00	27.92 -0.60 0.00	27.75 -0.77 0.00	27.26 -0.76 0.00	27.35 -0.56 0.00	27.89 -0.42 0.00	27.63 -0.59 0.00	30.10 -0.24 0.00	31.41 0.09 0.00	35.12 0.17 0.00	37.36 -0.07 0.00	39.97 -0.32 0.00	42.65 -0.34 0.00	47.19 -0.05 0.00	53.88 0.59 0.00	57.54 0.34 0.00	70.92 -0.14 0.00	66.57 -0.95 0.00	61.42 -0.56 0.00	56.41 -0.57 0.00	49.07 -0.25 0.00	43.77 -0.09 0.00
SELKIRK___I 23801	38.21 1.26 0.00	34.83 1.08 0.00	30.90 0.93 0.00	29.46 0.94 0.00	29.49 0.97 0.00	28.97 0.95 0.00	28.80 0.89 0.00	29.05 0.73 0.00	28.84 0.62 0.00	30.95 0.61 0.00	31.88 0.56 0.00	35.53 0.59 0.00	37.95 0.52 0.00	40.89 0.68 0.09	43.67 0.69 0.01	47.94 0.71 0.00	54.10 0.80 0.00	58.17 0.97 0.00	72.70 1.64 0.00	69.14 1.62 0.00	63.46 1.48 0.00	58.06 1.08 0.00	50.40 1.08 0.00	44.87 1.01 0.00
SELKIRK___II 23799	38.06 1.11 0.00	34.66 0.91 0.00	30.78 0.81 0.00	29.38 0.85 0.00	29.34 0.83 0.00	28.86 0.84 0.00	28.72 0.81 0.00	29.08 0.76 0.00	28.93 0.71 0.00	31.07 0.73 0.00	32.00 0.69 0.00	35.68 0.73 0.00	38.18 0.75 0.00	41.11 0.93 0.10	43.89 0.90 0.01	48.17 0.94 0.00	54.26 0.96 0.00	58.34 1.14 0.00	72.70 1.64 0.00	69.07 1.55 0.00	63.28 1.30 0.00	57.78 0.80 0.00	50.10 0.79 0.00	44.65 0.79 0.00
SENECA OSWGO___HYD 24041	36.44 -0.52 0.00	33.31 -0.44 0.00	29.58 -0.39 0.00	28.06 -0.46 0.00	28.06 -0.46 0.00	27.54 -0.48 0.00	27.46 -0.45 0.00	27.89 -0.42 0.00	27.72 -0.51 0.00	29.89 -0.45 0.00	30.75 -0.56 0.00	34.28 -0.66 0.00	36.72 -0.71 0.00	39.48 -0.81 0.00	42.17 -0.82 0.00	46.39 -0.85 0.00	52.39 -0.91 0.00	56.28 -0.92 0.00	70.07 -1.00 0.00	66.64 -0.88 0.00	61.11 -0.87 0.00	56.01 -0.97 0.00	48.47 -0.84 0.00	43.11 -0.75 0.00
SENECA___115KV_TB3 355854	36.84 -0.11 0.00	33.75 0.00 0.00	29.97 0.00 0.00	28.12 -0.40 0.00	27.97 -0.54 0.00	27.48 -0.53 0.00	27.54 -0.36 0.00	28.09 -0.23 0.00	27.83 -0.40 0.00	30.31 -0.03 0.00	31.63 0.31 0.00	35.36 0.42 0.00	37.66 0.22 0.00	40.33 0.04 0.00	43.04 0.04 0.00	47.71 0.47 0.00	54.47 1.17 0.00	58.11 0.92 0.00	71.71 0.64 0.00	67.32 -0.20 0.00	62.04 0.06 0.00	56.98 0.00 0.00	49.56 0.25 0.00	44.17 0.31 0.00
SENECA___ENERGY 23797	37.10 0.15 0.00	33.89 0.14 0.00	30.09 0.12 0.00	28.47 -0.06 0.00	28.46 -0.06 0.00	27.88 -0.14 0.00	27.82 -0.08 0.00	28.28 -0.03 0.00	28.06 -0.17 0.00	30.31 -0.03 0.00	31.31 0.00 0.00	35.05 0.11 0.00	37.51 0.08 0.00	40.33 0.04 0.00	43.17 0.17 0.00	47.57 0.33 0.00	53.83 0.53 0.00	57.83 0.63 0.00	72.06 0.99 0.00	68.39 0.88 0.00	62.84 0.87 0.00	57.49 0.51 0.00	49.61 0.30 0.00	44.21 0.35 0.00
SHOEMAKER___GT 23640	39.47 2.51 0.00	35.95 2.19 0.00	31.86 1.89 0.00	30.40 1.88 0.00	30.31 1.80 0.00	29.81 1.79 0.00	29.72 1.81 0.00	30.21 1.90 0.00	30.17 1.95 0.00	32.37 2.03 0.00	33.32 2.01 0.00	37.21 2.27 0.00	39.98 2.55 0.00	43.24 2.82 -0.14	45.97 2.96 -0.01	50.36 3.12 -0.01	56.55 3.25 0.00	60.75 3.55 0.00	75.90 4.83 0.00	71.84 4.33 0.00	65.69 3.72 0.00	59.55 2.57 0.00	51.53 2.22 0.00	46.05 2.19 0.00
SHOEMAKR_138KV_BK 111 55601	39.47 2.51 0.00	35.91 2.16 0.00	31.92 1.95 0.00	30.40 1.88 0.00	30.37 1.85 0.00	29.84 1.82 0.00	29.72 1.81 0.00	30.21 1.90 0.00	30.20 1.98 0.00	32.41 2.06 0.00	33.35 2.04 0.00	37.25 2.31 0.00	40.01 2.58 0.00	43.33 2.90 -0.13	46.02 3.01 -0.01	50.41 3.16 -0.01	56.55 3.25 0.00	60.69 3.49 0.00	75.83 4.76 0.00	71.77 4.25 0.00	65.69 3.72 0.00	59.49 2.51 0.00	51.53 2.22 0.00	46.10 2.24 0.00
SHOREHAM_IC_1 23715	41.14 4.17 -0.01	37.34 3.58 -0.01	33.13 3.15 -0.01	31.52 2.99 -0.01	31.32 2.80 -0.01	30.73 2.72 0.00	30.67 2.76 0.00	31.43 3.11 -0.01	31.59 3.36 -0.01	34.06 3.70 -0.01	45.57 3.51 -10.75	47.52 3.98 -8.59	52.40 4.45 -10.51	50.72 4.83 -5.60	61.77 4.86 -13.92	68.48 5.06 -16.19	62.57 5.28 -3.99	64.71 5.84 -1.67	95.54 7.68 -16.80	75.76 6.89 -1.35	68.65 5.70 -0.98	60.74 3.76 0.00	53.23 3.25 -0.66	47.24 3.38 0.00
SHOREHAM_IC_2 23716	41.13 4.18 0.00	37.30 3.54 0.00	33.18 3.21 0.00	31.52 2.99 0.00	31.37 2.85 0.00	30.82 2.80 0.00	30.67 2.76 0.00	31.43 3.11 0.00	31.58 3.36 0.00	34.06 3.70 -0.01	45.57 3.51 -10.75	47.52 3.98 -8.59	52.40 4.45 -10.51	50.80 4.92 -5.60	61.77 4.86 -13.92	68.53 5.10 -16.19	62.57 5.28 -3.99	64.59 5.72 -1.67	95.54 7.68 -16.80	75.75 6.89 -1.35	68.65 5.70 -0.98	60.68 3.70 0.00	53.28 3.30 -0.66	47.59 3.73 0.00
SISSONVILLE____ 23735	36.36 -0.59 0.00	33.35 -0.41 0.00	29.64 -0.33 0.00	28.21 -0.31 0.00	28.20 -0.31 0.00	27.71 -0.31 0.00	27.52 -0.39 0.00	27.86 -0.45 0.00	27.77 -0.45 0.00	29.80 -0.55 0.00	30.91 -0.41 0.00	34.52 -0.42 0.00	37.09 -0.34 0.00	39.81 -0.48 0.00	42.56 -0.43 0.00	46.86 -0.38 0.00	52.76 -0.53 0.00	56.80 -0.40 0.00	70.85 -0.21 0.00	67.65 0.14 0.00	62.35 0.37 0.00	57.89 0.91 0.00	50.00 0.69 0.00	44.21 0.35 0.00
SITHE_IND_GS1 24169	36.18 -0.78 0.00	33.11 -0.64 0.00	29.40 -0.57 0.00	27.89 -0.63 0.00	27.92 -0.60 0.00	27.40 -0.62 0.00	27.29 -0.61 0.00	27.72 -0.60 0.00	27.60 -0.62 0.00	29.74 -0.61 0.00	30.56 -0.75 0.00	34.07 -0.87 0.00	36.46 -0.97 0.00	39.24 -1.05 0.00	41.87 -1.12 0.00	46.06 -1.18 0.00	52.02 -1.28 0.00	55.82 -1.37 0.00	69.43 -1.63 0.00	65.97 -1.55 0.00	60.55 -1.42 0.00	55.56 -1.42 0.00	48.03 -1.28 0.00	42.76 -1.09 0.00
SITHE_IND_GS2 24170	36.18 -0.78 0.00	33.11 -0.64 0.00	29.40 -0.57 0.00	27.89 -0.63 0.00	27.92 -0.60 0.00	27.40 -0.62 0.00	27.29 -0.61 0.00	27.72 -0.60 0.00	27.60 -0.62 0.00	29.74 -0.61 0.00	30.56 -0.75 0.00	34.07 -0.87 0.00	36.46 -0.97 0.00	39.24 -1.05 0.00	41.87 -1.12 0.00	46.06 -1.18 0.00	52.02 -1.28 0.00	55.82 -1.37 0.00	69.43 -1.63 0.00	65.97 -1.55 0.00	60.55 -1.42 0.00	55.56 -1.42 0.00	48.03 -1.28 0.00	42.76 -1.09 0.00
SITHE_IND_GS3 24171	36.18 -0.78 0.00	33.11 -0.64 0.00	29.40 -0.57 0.00	27.89 -0.63 0.00	27.92 -0.60 0.00	27.40 -0.62 0.00	27.29 -0.61 0.00	27.72 -0.60 0.00	27.60 -0.62 0.00	29.74 -0.61 0.00	30.56 -0.75 0.00	34.07 -0.87 0.00	36.46 -0.97 0.00	39.24 -1.05 0.00	41.87 -1.12 0.00	46.06 -1.18 0.00	52.02 -1.28 0.00	55.82 -1.37 0.00	69.43 -1.63 0.00	65.97 -1.55 0.00	60.55 -1.42 0.00	55.56 -1.42 0.00	48.03 -1.28 0.00	42.76 -1.09 0.00
SITHE_IND_GS4 24172	36.18 -0.78 0.00	33.11 -0.64 0.00	29.40 -0.57 0.00	27.89 -0.63 0.00	27.92 -0.60 0.00	27.40 -0.62 0.00	27.29 -0.61 0.00	27.72 -0.60 0.00	27.60 -0.62 0.00	29.74 -0.61 0.00	30.56 -0.75 0.00	34.07 -0.87 0.00	36.46 -0.97 0.00	39.24 -1.05 0.00	41.87 -1.12 0.00	46.06 -1.18 0.00	52.02 -1.28 0.00	55.82 -1.37 0.00	69.43 -1.63 0.00	65.97 -1.55 0.00	60.55 -1.42 0.00	55.56 -1.42 0.00	48.03 -1.28 0.00	42.76 -1.09 0.00



SITHE___BATAVIA 24024	37.69 0.74 0.00	34.36 0.61 0.00	30.69 0.72 0.00	28.61 0.09 0.00	28.66 0.14 0.00	27.90 -0.11 0.00	27.88 -0.03 0.00	28.43 0.11 0.00	28.03 -0.20 0.00	30.52 0.18 0.00	31.81 0.50 0.00	35.64 0.70 0.00	37.95 0.52 0.00	40.78 0.49 0.00	43.59 0.60 0.00	48.18 0.94 0.00	55.00 1.71 0.00	58.91 1.71 0.00	72.99 1.92 0.00	68.80 1.28 0.00	63.71 1.73 0.00	58.58 1.59 0.00	50.69 1.38 0.00	45.26 1.40 0.00
SITHE___INDEPEND 23800	36.18 -0.78 0.00	33.11 -0.64 0.00	29.37 -0.60 0.00	27.89 -0.63 0.00	27.89 -0.63 0.00	27.40 -0.62 0.00	27.29 -0.61 0.00	27.72 -0.59 0.00	27.60 -0.62 0.00	29.73 -0.61 0.00	30.56 -0.75 0.00	34.07 -0.87 0.00	36.46 -0.97 0.00	39.24 -1.05 0.00	41.83 -1.16 0.00	46.01 -1.23 0.00	52.02 -1.28 0.00	55.82 -1.37 0.00	69.50 -1.56 0.00	65.97 -1.55 0.00	60.55 -1.43 0.00	55.56 -1.42 0.00	48.03 -1.28 0.00	42.72 -1.14 0.00
SITHE___MASSENA 23902	36.44 -0.52 0.00	33.35 -0.40 0.00	29.67 -0.30 0.00	28.24 -0.29 0.00	28.20 -0.31 0.00	27.68 -0.33 0.00	27.54 -0.36 0.00	27.92 -0.40 0.00	27.86 -0.37 0.00	29.92 -0.42 0.00	31.06 -0.25 0.00	34.70 -0.24 0.00	37.24 -0.19 0.00	40.05 -0.24 0.00	42.78 -0.21 0.00	47.05 -0.19 0.00	52.93 -0.37 0.00	56.74 -0.46 0.00	70.57 -0.49 0.00	67.25 -0.27 0.00	61.85 -0.12 0.00	57.49 0.51 0.00	49.75 0.44 0.00	44.12 0.26 0.00
SITHE___OGDNSBRG 24021	36.81 -0.15 0.00	33.75 0.00 0.00	30.03 0.06 0.00	28.55 0.03 0.00	28.55 0.03 0.00	28.04 0.03 0.00	27.82 -0.08 0.00	28.11 -0.20 0.00	27.97 -0.25 0.00	29.95 -0.39 0.00	31.03 -0.28 0.00	34.66 -0.28 0.00	37.28 -0.15 0.00	39.97 -0.32 0.00	42.78 -0.21 0.00	47.09 -0.14 0.00	53.08 -0.21 0.00	57.14 -0.06 0.00	71.35 0.28 0.00	68.40 0.88 0.00	63.09 1.12 0.00	58.69 1.71 0.00	50.64 1.33 0.00	44.78 0.92 0.00
SITHE___STERLING 23777	37.88 0.92 0.00	34.66 0.91 0.00	30.75 0.78 0.00	29.21 0.68 0.00	29.23 0.71 0.00	28.77 0.76 0.00	28.57 0.67 0.00	28.93 0.62 0.00	28.79 0.56 0.00	30.89 0.55 0.00	31.78 0.47 0.00	35.50 0.56 0.00	38.07 0.64 0.00	40.90 0.61 0.00	43.72 0.73 0.00	48.13 0.90 0.00	54.47 1.17 0.00	58.68 1.48 0.00	73.41 2.34 0.00	69.95 2.43 0.00	64.27 2.29 0.00	58.86 1.88 0.00	50.74 1.43 0.00	45.00 1.14 0.00
SLEIGHT__34_KV_TB1 80719	36.88 -0.07 0.00	33.62 -0.14 0.00	29.79 -0.18 0.00	28.18 -0.34 0.00	28.09 -0.43 0.00	27.54 -0.48 0.00	27.52 -0.39 0.00	28.03 -0.28 0.00	27.83 -0.40 0.00	30.13 -0.21 0.00	31.25 -0.06 0.00	35.01 0.07 0.00	37.43 0.00 0.00	40.17 -0.12 0.00	42.95 -0.04 0.00	47.38 0.14 0.00	53.83 0.53 0.00	57.71 0.51 0.00	71.78 0.71 0.00	67.92 0.41 0.00	62.47 0.50 0.00	57.44 0.46 0.00	49.56 0.25 0.00	43.99 0.13 0.00
SMITHTWN_69_KV_BK 1 55830	41.65 4.69 0.00	37.77 4.02 0.00	33.60 3.63 0.00	31.92 3.39 0.00	31.77 3.25 0.00	31.21 3.19 0.00	31.06 3.15 0.00	31.79 3.48 0.00	31.92 3.70 0.00	34.42 4.07 -0.01	45.95 3.88 -10.75	47.94 4.40 -8.59	52.81 4.87 -10.51	51.26 5.36 -5.61	68.82 5.42 -20.41	83.60 5.72 -30.65	63.28 5.81 -4.17	65.08 6.12 -1.77	129.13 8.10 -49.96	76.14 7.22 -1.39	69.00 6.01 -1.01	61.14 4.16 0.00	53.80 3.80 -0.69	47.98 4.12 0.00
SOUTH CAIRO___GT 23612	39.28 2.33 0.00	35.85 2.09 0.00	31.74 1.77 0.00	30.18 1.65 0.00	30.20 1.68 0.00	29.64 1.62 0.00	29.39 1.48 0.00	29.59 1.27 0.00	29.32 1.10 0.00	31.28 0.94 0.00	32.16 0.85 0.00	35.78 0.84 0.00	38.37 0.94 0.00	41.59 1.37 0.07	44.36 1.38 0.01	48.98 1.75 0.00	55.54 2.24 0.00	60.06 2.86 0.00	75.76 4.69 0.00	71.98 4.46 0.00	66.06 4.09 0.00	60.23 3.25 0.00	52.07 2.76 0.00	46.27 2.41 0.00
SOUTH HAMPTN___IC 23720	41.65 4.69 -0.01	37.78 4.01 -0.01	33.55 3.56 -0.01	31.89 3.36 -0.01	31.66 3.14 -0.01	31.13 3.11 0.00	31.03 3.12 0.00	31.89 3.57 -0.01	32.13 3.90 -0.01	34.79 4.43 -0.01	46.42 4.35 -10.75	48.49 4.96 -8.59	53.45 5.50 -10.51	51.85 5.96 -5.59	62.41 6.02 -13.40	67.89 6.28 -14.37	63.90 6.66 -3.94	66.17 7.32 -1.65	94.36 9.53 -13.77	77.42 8.58 -1.33	70.00 7.06 -0.97	61.99 5.02 0.00	54.25 4.29 -0.65	48.24 4.39 0.00
SOUTHDOW_115KV_TB1 355954	37.58 0.63 0.00	34.50 0.74 0.00	30.63 0.66 0.00	28.75 0.23 0.00	28.60 0.09 0.00	28.13 0.11 0.00	28.19 0.28 0.00	28.71 0.40 0.00	28.53 0.31 0.00	31.13 0.79 0.00	32.50 1.19 0.00	36.41 1.47 0.00	38.78 1.35 0.00	41.54 1.25 0.00	44.45 1.46 0.00	49.36 2.13 0.00	56.44 3.14 0.00	60.23 3.03 0.00	74.19 3.13 0.00	69.75 2.23 0.00	64.20 2.23 0.00	58.81 1.82 0.00	50.94 1.63 0.00	45.26 1.40 0.00
SOUTHOLD_69_KV_BK 2 55809	41.98 5.03 0.00	38.01 4.25 0.00	33.84 3.87 0.00	32.09 3.57 0.00	31.94 3.42 0.00	31.43 3.42 0.00	31.31 3.40 0.00	32.22 3.91 0.00	32.60 4.37 0.00	35.51 5.16 -0.01	47.26 5.20 -10.75	49.54 6.01 -8.59	54.53 6.59 -10.51	52.93 7.05 -5.59	63.58 7.18 -13.41	69.03 7.37 -14.43	65.18 7.94 -3.94	67.43 8.58 -1.65	95.98 11.09 -13.83	78.84 9.99 -1.33	71.37 8.43 -0.97	63.19 6.21 0.00	55.29 5.33 -0.65	49.65 5.79 0.00
SOUTHOLD___IC 23719	41.99 5.02 -0.01	38.05 4.29 -0.01	33.79 3.81 -0.01	32.09 3.56 -0.01	31.89 3.36 -0.01	31.38 3.36 0.00	31.31 3.40 0.00	32.23 3.91 -0.01	32.61 4.37 -0.01	35.51 5.16 -0.01	47.26 5.20 -10.75	49.55 6.01 -8.59	54.53 6.59 -10.51	52.89 7.01 -5.59	63.54 7.14 -13.41	69.03 7.37 -14.43	65.13 7.89 -3.94	67.49 8.64 -1.65	95.98 11.08 -13.83	78.84 9.99 -1.33	71.25 8.31 -0.97	63.19 6.21 0.00	55.24 5.28 -0.65	49.30 5.44 0.00
SOUTH_FORK_WT_PWR 323839	41.69 4.73 -0.01	37.78 4.01 -0.01	33.55 3.56 -0.01	31.87 3.34 -0.01	31.69 3.17 -0.01	31.18 3.16 0.00	31.14 3.24 0.00	32.09 3.77 -0.01	32.55 4.32 -0.01	35.54 5.19 -0.01	47.32 5.26 -10.75	49.65 6.11 -8.59	54.57 6.63 -10.51	52.82 6.93 -5.59	63.41 7.01 -13.40	68.67 7.04 -14.40	64.70 7.46 -3.94	67.09 8.24 -1.65	95.38 10.52 -13.80	78.37 9.52 -1.33	70.81 7.87 -0.97	62.90 5.93 0.00	55.04 5.08 -0.65	49.30 5.44 0.00
SPIERFLS_115KV_TB 1 80737	39.21 2.25 0.00	35.64 1.89 0.00	31.50 1.53 0.00	29.95 1.43 0.00	29.97 1.45 0.00	29.47 1.46 0.00	29.25 1.34 0.00	29.47 1.16 0.00	29.30 1.07 0.00	31.37 1.03 0.00	32.00 0.69 0.00	35.78 0.84 0.00	37.88 0.45 0.00	40.50 0.48 0.27	43.65 0.69 0.03	47.98 0.76 0.01	54.47 1.17 0.00	58.91 1.72 0.00	74.55 3.48 0.00	71.10 3.58 0.00	65.44 3.47 0.00	59.83 2.85 0.00	52.02 2.71 0.00	46.05 2.19 0.00
ST LAWRENCE____ 23600	36.10 -0.85 0.00	33.01 -0.74 0.00	29.34 -0.63 0.00	27.92 -0.60 0.00	27.92 -0.60 0.00	27.40 -0.62 0.00	27.29 -0.61 0.00	27.69 -0.62 0.00	27.66 -0.56 0.00	29.70 -0.64 0.00	30.78 -0.53 0.00	34.35 -0.59 0.00	36.87 -0.56 0.00	39.64 -0.65 0.00	42.30 -0.69 0.00	46.53 -0.71 0.00	52.44 -0.85 0.00	56.28 -0.92 0.00	69.79 -1.28 0.00	66.51 -1.01 0.00	61.11 -0.87 0.00	56.70 -0.28 0.00	49.02 -0.29 0.00	43.46 -0.40 0.00



STATE_CA_115KV_115_LB 55624	38.14 1.18 0.00	34.77 1.01 0.00	30.84 0.87 0.00	29.38 0.86 0.00	29.37 0.86 0.00	28.88 0.87 0.00	28.72 0.81 0.00	29.05 0.74 0.00	28.93 0.71 0.00	31.04 0.70 0.00	32.00 0.69 0.00	35.71 0.77 0.00	38.10 0.67 0.00	40.93 0.81 0.17	43.88 0.90 0.02	48.12 0.90 0.01	54.26 0.96 0.00	58.34 1.14 0.00	72.84 1.78 0.00	69.14 1.62 0.00	63.40 1.43 0.00	57.84 0.85 0.00	50.25 0.94 0.00	44.69 0.83 0.00
STATE_ST_34_KV_LOAD 55959	37.29 0.33 0.00	34.02 0.27 0.00	30.18 0.21 0.00	28.64 0.11 0.00	28.57 0.06 0.00	28.07 0.06 0.00	27.99 0.08 0.00	28.43 0.11 0.00	28.25 0.03 0.00	30.46 0.12 0.00	31.44 0.13 0.00	35.12 0.17 0.00	37.62 0.19 0.00	40.45 0.16 0.00	43.25 0.26 0.00	47.61 0.38 0.00	53.99 0.69 0.00	58.00 0.80 0.00	72.35 1.28 0.00	68.80 1.28 0.00	63.09 1.12 0.00	57.84 0.85 0.00	49.85 0.54 0.00	44.30 0.44 0.00
STATION_5_MISC_HYD 23604	37.14 0.19 0.00	33.85 0.10 0.00	30.18 0.21 0.00	28.29 -0.23 0.00	28.32 -0.20 0.00	27.65 -0.36 0.00	27.60 -0.31 0.00	28.17 -0.14 0.00	27.94 -0.28 0.00	30.34 0.00 0.00	31.56 0.25 0.00	35.36 0.42 0.00	37.73 0.30 0.00	40.57 0.28 0.00	43.33 0.34 0.00	47.80 0.57 0.00	54.26 0.96 0.00	58.11 0.91 0.00	72.13 1.07 0.00	68.06 0.54 0.00	62.78 0.80 0.00	57.72 0.74 0.00	49.91 0.59 0.00	44.43 0.57 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	37.10 0.15 0.00	33.79 0.03 0.00	29.97 0.00 0.00	28.35 -0.17 0.00	28.26 -0.26 0.00	27.71 -0.31 0.00	27.65 -0.25 0.00	28.20 -0.11 0.00	27.97 -0.25 0.00	30.28 -0.06 0.00	31.41 0.09 0.00	35.19 0.24 0.00	37.62 0.19 0.00	40.37 0.08 0.00	43.16 0.17 0.00	47.57 0.33 0.00	54.04 0.75 0.00	57.94 0.74 0.00	72.13 1.07 0.00	68.19 0.68 0.00	62.72 0.74 0.00	57.72 0.74 0.00	49.76 0.44 0.00	44.21 0.35 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	36.95 0.00 0.00	33.62 -0.14 0.00	29.82 -0.15 0.00	28.15 -0.37 0.00	28.06 -0.46 0.00	27.48 -0.53 0.00	27.46 -0.45 0.00	28.03 -0.28 0.00	27.80 -0.42 0.00	30.19 -0.15 0.00	31.38 0.06 0.00	35.15 0.21 0.00	37.54 0.11 0.00	40.29 0.00 0.00	43.08 0.09 0.00	47.52 0.28 0.00	53.99 0.69 0.00	57.83 0.63 0.00	71.78 0.71 0.00	67.72 0.20 0.00	62.35 0.37 0.00	57.49 0.51 0.00	49.61 0.30 0.00	44.08 0.22 0.00
STA_56___34_KV_BUS2 355983	36.95 0.00 0.00	33.62 -0.14 0.00	29.82 -0.15 0.00	28.15 -0.37 0.00	28.06 -0.46 0.00	27.48 -0.53 0.00	27.46 -0.45 0.00	28.03 -0.28 0.00	27.80 -0.42 0.00	30.19 -0.15 0.00	31.38 0.06 0.00	35.15 0.21 0.00	37.54 0.11 0.00	40.29 0.00 0.00	43.08 0.09 0.00	47.52 0.28 0.00	53.99 0.69 0.00	57.83 0.63 0.00	71.78 0.71 0.00	67.72 0.20 0.00	62.35 0.37 0.00	57.49 0.51 0.00	49.61 0.30 0.00	44.08 0.22 0.00
STA_67___115KV_BK2 355882	37.06 0.11 0.00	33.75 0.00 0.00	29.94 -0.03 0.00	28.27 -0.26 0.00	28.15 -0.37 0.00	27.57 -0.45 0.00	27.54 -0.36 0.00	28.11 -0.20 0.00	27.89 -0.34 0.00	30.28 -0.06 0.00	31.50 0.19 0.00	35.26 0.31 0.00	37.66 0.22 0.00	40.37 0.08 0.00	43.16 0.17 0.00	47.61 0.38 0.00	54.10 0.80 0.00	57.94 0.74 0.00	71.92 0.85 0.00	67.86 0.34 0.00	62.47 0.50 0.00	57.61 0.63 0.00	49.76 0.44 0.00	44.21 0.35 0.00
STA_7___115KV_9TRANS 80674	37.36 0.41 0.00	33.99 0.24 0.00	30.12 0.15 0.00	28.44 -0.09 0.00	28.32 -0.20 0.00	27.74 -0.28 0.00	27.68 -0.22 0.00	28.28 -0.03 0.00	28.03 -0.20 0.00	30.46 0.12 0.00	31.72 0.41 0.00	35.57 0.63 0.00	37.99 0.56 0.00	40.73 0.44 0.00	43.59 0.60 0.00	48.09 0.85 0.00	54.63 1.33 0.00	58.57 1.37 0.00	72.70 1.63 0.00	68.60 1.08 0.00	63.15 1.18 0.00	58.29 1.31 0.00	50.25 0.94 0.00	44.60 0.75 0.00
STA_82___115KV_TB1 80780	37.06 0.11 0.00	33.75 0.00 0.00	29.94 -0.03 0.00	28.27 -0.26 0.00	28.15 -0.37 0.00	27.60 -0.42 0.00	27.57 -0.33 0.00	28.11 -0.20 0.00	27.89 -0.34 0.00	30.28 -0.06 0.00	31.50 0.19 0.00	35.29 0.35 0.00	37.66 0.22 0.00	40.37 0.08 0.00	43.16 0.17 0.00	47.61 0.38 0.00	54.10 0.80 0.00	57.94 0.74 0.00	71.92 0.85 0.00	67.86 0.34 0.00	62.53 0.56 0.00	57.61 0.63 0.00	49.76 0.44 0.00	44.21 0.35 0.00
STEEL___WIND 323596	36.81 -0.15 0.00	33.79 0.03 0.00	30.18 0.21 0.00	28.09 -0.43 0.00	28.15 -0.37 0.00	27.48 -0.53 0.00	27.52 -0.39 0.00	28.06 -0.26 0.00	27.80 -0.42 0.00	30.28 -0.06 0.00	31.59 0.28 0.00	35.33 0.39 0.00	37.62 0.19 0.00	40.41 0.12 0.00	43.08 0.09 0.00	47.66 0.42 0.00	54.36 1.07 0.00	58.06 0.86 0.00	71.50 0.43 0.00	67.25 -0.27 0.00	62.22 0.25 0.00	56.81 -0.17 0.00	49.46 0.15 0.00	44.25 0.39 0.00
STEPHTWN_115KV_BK_2 55603	38.32 1.37 0.00	34.93 1.18 0.00	30.96 0.99 0.00	29.49 0.97 0.00	29.49 0.97 0.00	28.97 0.95 0.00	28.83 0.92 0.00	29.13 0.82 0.00	29.01 0.79 0.00	31.16 0.82 0.00	32.10 0.78 0.00	35.85 0.91 0.00	38.25 0.82 0.00	41.11 0.97 0.15	44.05 1.07 0.02	48.31 1.09 0.01	54.58 1.28 0.00	58.68 1.49 0.00	73.27 2.20 0.00	69.61 2.09 0.00	63.77 1.80 0.00	58.18 1.20 0.00	50.54 1.23 0.00	44.96 1.10 0.00
STEUBEN_REC_LFGE 323667	37.40 0.44 0.00	34.16 0.41 0.00	30.30 0.33 0.00	28.58 0.06 0.00	28.49 -0.03 0.00	27.99 -0.03 0.00	27.99 0.08 0.00	28.40 0.08 0.00	28.05 -0.17 0.00	30.40 0.06 0.00	31.63 0.31 0.00	35.47 0.52 0.00	37.88 0.45 0.00	40.61 0.32 0.00	43.51 0.52 0.00	48.09 0.85 0.00	54.79 1.49 0.00	58.74 1.54 0.00	73.20 2.13 0.00	69.54 2.03 0.00	64.08 2.11 0.00	58.69 1.71 0.00	50.59 1.28 0.00	45.17 1.32 0.00
STILLWATER___SOLAR 323814	39.25 2.29 0.00	35.71 1.96 0.00	31.62 1.65 0.00	30.12 1.60 0.00	30.08 1.57 0.00	29.61 1.60 0.00	29.41 1.51 0.00	29.73 1.41 0.00	29.52 1.30 0.00	31.59 1.24 0.00	32.41 1.10 0.00	36.20 1.26 0.00	38.52 1.09 0.00	41.18 1.21 0.32	44.33 1.38 0.03	48.73 1.51 0.01	55.21 1.92 0.00	59.66 2.46 0.00	74.76 3.69 0.00	71.23 3.71 0.00	65.44 3.47 0.00	59.83 2.85 0.00	51.97 2.66 0.00	46.14 2.28 0.00
STONY___BROOK 24151	41.62 4.66 -0.01	37.78 4.01 -0.01	33.55 3.56 -0.01	31.92 3.39 -0.01	31.72 3.19 -0.01	31.13 3.11 0.00	31.06 3.15 0.00	31.80 3.48 -0.01	31.93 3.70 -0.01	34.39 4.04 -0.01	45.92 3.85 -10.75	47.90 4.37 -8.59	52.77 4.83 -10.51	51.17 5.28 -5.60	64.97 5.33 -16.64	75.71 5.57 -22.91	63.05 5.65 -4.11	64.82 5.89 -1.73	109.91 7.75 -31.10	75.79 6.89 -1.38	68.67 5.70 -1.00	61.08 4.11 0.00	53.64 3.65 -0.68	47.63 3.77 0.00
STURGEON_POOL_HYD 23609	39.72 2.77 0.00	36.15 2.40 0.00	32.13 2.16 0.00	30.63 2.11 0.00	30.57 2.05 0.00	30.03 2.02 0.00	29.92 2.01 0.00	30.41 2.10 0.00	30.37 2.15 0.00	32.59 2.25 0.00	33.54 2.22 0.00	37.42 2.48 0.00	40.31 2.88 0.00	43.74 3.38 -0.07	46.40 3.40 -0.01	50.87 3.64 0.00	57.03 3.73 0.00	61.20 4.00 0.00	76.54 5.47 0.00	72.31 4.79 0.00	66.19 4.21 0.00	59.83 2.85 0.00	51.83 2.51 0.00	46.40 2.54 0.00



ST_LAW_115_BK7_LBMP 345037	36.07 -0.89 0.00	32.98 -0.77 0.00	29.31 -0.66 0.00	27.89 -0.63 0.00	27.89 -0.63 0.00	27.40 -0.62 0.00	27.27 -0.64 0.00	27.66 -0.65 0.00	27.63 -0.59 0.00	29.67 -0.67 0.00	30.75 -0.56 0.00	34.35 -0.59 0.00	36.83 -0.60 0.00	39.60 -0.69 0.00	42.30 -0.69 0.00	46.53 -0.71 0.00	52.39 -0.91 0.00	56.22 -0.97 0.00	69.79 -1.28 0.00	66.44 -1.08 0.00	61.11 -0.87 0.00	56.70 -0.28 0.00	49.02 -0.29 0.00	43.46 -0.40 0.00
ST_LAW_115_BK8_LBMP 345038	36.07 -0.89 0.00	32.98 -0.77 0.00	29.31 -0.66 0.00	27.89 -0.63 0.00	27.89 -0.63 0.00	27.40 -0.62 0.00	27.27 -0.64 0.00	27.66 -0.65 0.00	27.63 -0.59 0.00	29.67 -0.67 0.00	30.75 -0.56 0.00	34.35 -0.59 0.00	36.83 -0.60 0.00	39.60 -0.69 0.00	42.30 -0.69 0.00	46.53 -0.71 0.00	52.39 -0.91 0.00	56.22 -0.97 0.00	69.79 -1.28 0.00	66.44 -1.08 0.00	61.11 -0.87 0.00	56.70 -0.28 0.00	49.02 -0.29 0.00	43.46 -0.40 0.00
ST_LAW_230_BK5_LBMP 345035	36.10 -0.85 0.00	33.01 -0.74 0.00	29.34 -0.63 0.00	27.92 -0.60 0.00	27.92 -0.60 0.00	27.40 -0.62 0.00	27.29 -0.61 0.00	27.69 -0.62 0.00	27.66 -0.56 0.00	29.70 -0.64 0.00	30.78 -0.53 0.00	34.35 -0.59 0.00	36.87 -0.56 0.00	39.64 -0.65 0.00	42.30 -0.69 0.00	46.53 -0.71 0.00	52.44 -0.85 0.00	56.28 -0.92 0.00	69.79 -1.28 0.00	66.51 -1.01 0.00	61.11 -0.87 0.00	56.70 -0.28 0.00	49.02 -0.29 0.00	43.46 -0.40 0.00
ST_LAW_230_BK6_LBMP 345036	36.10 -0.85 0.00	33.01 -0.74 0.00	29.34 -0.63 0.00	27.92 -0.60 0.00	27.92 -0.60 0.00	27.40 -0.62 0.00	27.29 -0.61 0.00	27.69 -0.62 0.00	27.66 -0.56 0.00	29.70 -0.64 0.00	30.78 -0.53 0.00	34.35 -0.59 0.00	36.87 -0.56 0.00	39.64 -0.65 0.00	42.30 -0.69 0.00	46.53 -0.71 0.00	52.44 -0.85 0.00	56.28 -0.92 0.00	69.79 -1.28 0.00	66.51 -1.01 0.00	61.11 -0.87 0.00	56.70 -0.28 0.00	49.02 -0.29 0.00	43.46 -0.40 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	39.65 2.70 0.00	36.08 2.33 0.00	32.07 2.10 0.00	30.55 2.03 0.00	30.48 1.97 0.00	29.95 1.93 0.00	29.86 1.95 0.00	30.38 2.07 0.00	30.37 2.15 0.00	32.62 2.28 0.00	33.57 2.25 0.00	37.49 2.55 0.00	40.31 2.88 0.00	43.69 3.26 -0.14	46.40 3.40 -0.01	50.78 3.54 -0.01	56.92 3.62 0.00	61.03 3.83 0.00	76.25 5.19 0.00	72.11 4.59 0.00	66.00 4.03 0.00	59.66 2.68 0.00	51.68 2.37 0.00	46.27 2.41 0.00
SWANROAD_115KV_TB1 355699	36.32 -0.63 0.00	33.28 -0.47 0.00	29.55 -0.42 0.00	27.75 -0.77 0.00	27.58 -0.94 0.00	27.09 -0.92 0.00	27.15 -0.75 0.00	27.66 -0.65 0.00	27.26 -0.96 0.00	29.67 -0.67 0.00	30.94 -0.38 0.00	34.49 -0.45 0.00	36.64 -0.79 0.00	39.24 -1.05 0.00	41.83 -1.16 0.00	46.29 -0.94 0.00	52.82 -0.48 0.00	56.45 -0.74 0.00	69.57 -1.49 0.00	65.29 -2.23 0.00	60.24 -1.74 0.00	55.44 -1.54 0.00	48.28 -1.04 0.00	43.29 -0.57 0.00
SYNERGY___BIOGAS 323694	37.69 0.74 0.00	34.29 0.54 0.00	30.42 0.45 0.00	28.61 0.09 0.00	28.46 -0.06 0.00	27.88 -0.14 0.00	27.88 -0.03 0.00	28.43 0.11 0.00	28.03 -0.20 0.00	30.52 0.18 0.00	31.81 0.50 0.00	35.64 0.70 0.00	37.96 0.52 0.00	40.65 0.36 0.00	43.51 0.52 0.00	48.13 0.90 0.00	55.00 1.71 0.00	58.91 1.72 0.00	73.06 1.99 0.00	68.80 1.28 0.00	63.52 1.55 0.00	58.69 1.71 0.00	50.74 1.43 0.00	45.13 1.27 0.00
SYRACUSE___ENERGY_ST1 323597	37.03 0.07 0.00	33.85 0.10 0.00	30.03 0.06 0.00	28.52 0.00 0.00	28.49 -0.03 0.00	27.99 -0.03 0.00	27.91 0.00 0.00	28.34 0.03 0.00	28.17 -0.06 0.00	30.37 0.03 0.00	31.28 -0.03 0.00	34.91 -0.03 0.00	37.39 -0.04 0.00	40.21 -0.08 0.00	42.95 -0.04 0.00	47.28 0.05 0.00	53.51 0.21 0.00	57.43 0.23 0.00	71.56 0.50 0.00	67.99 0.47 0.00	62.35 0.37 0.00	57.15 0.17 0.00	49.36 0.05 0.00	43.86 0.00 0.00
SYRACUSE___ENERGY_ST2 323598	37.03 0.07 0.00	33.85 0.10 0.00	30.03 0.06 0.00	28.52 0.00 0.00	28.49 -0.03 0.00	27.99 -0.03 0.00	27.91 0.00 0.00	28.34 0.03 0.00	28.17 -0.06 0.00	30.37 0.03 0.00	31.28 -0.03 0.00	34.91 -0.03 0.00	37.39 -0.04 0.00	40.21 -0.08 0.00	42.95 -0.04 0.00	47.28 0.05 0.00	53.51 0.21 0.00	57.43 0.23 0.00	71.56 0.50 0.00	67.99 0.47 0.00	62.35 0.37 0.00	57.15 0.17 0.00	49.36 0.05 0.00	43.86 0.00 0.00
SYRACUSE___POWER 24017	36.99 0.04 0.00	33.82 0.07 0.00	30.00 0.03 0.00	28.49 -0.03 0.00	28.46 -0.06 0.00	27.93 -0.08 0.00	27.85 -0.06 0.00	28.28 -0.03 0.00	28.14 -0.08 0.00	30.31 -0.03 0.00	31.22 -0.09 0.00	34.87 -0.07 0.00	37.32 -0.11 0.00	40.17 -0.12 0.00	42.91 -0.09 0.00	47.23 0.00 0.00	53.46 0.16 0.00	57.37 0.17 0.00	71.49 0.43 0.00	67.92 0.41 0.00	62.28 0.31 0.00	57.10 0.11 0.00	49.26 -0.05 0.00	43.82 -0.04 0.00
TALLMAN_138KV_BK151 55660	39.95 2.99 0.00	36.32 2.57 0.00	32.28 2.31 0.00	30.75 2.22 0.00	30.68 2.17 0.00	30.15 2.13 0.00	30.05 2.15 0.00	30.61 2.29 0.00	30.62 2.40 0.00	32.92 2.58 0.00	33.88 2.57 0.00	37.88 2.94 0.00	40.69 3.26 0.00	44.14 3.71 -0.15	46.83 3.83 -0.02	51.21 3.97 -0.01	57.35 4.05 0.00	61.43 4.23 0.00	76.68 5.61 0.00	72.52 5.00 0.00	66.31 4.34 0.00	59.83 2.85 0.00	51.88 2.56 0.00	46.49 2.63 0.00
TEALLAVE_115KV_TB7 355573	36.88 -0.07 0.00	33.72 -0.03 0.00	29.91 -0.06 0.00	28.41 -0.11 0.00	28.37 -0.14 0.00	27.88 -0.14 0.00	27.79 -0.11 0.00	28.23 -0.08 0.00	28.08 -0.14 0.00	30.25 -0.09 0.00	31.16 -0.16 0.00	34.80 -0.14 0.00	37.24 -0.19 0.00	40.05 -0.24 0.00	42.78 -0.21 0.00	47.09 -0.14 0.00	53.30 0.00 0.00	57.20 0.00 0.00	71.21 0.14 0.00	67.65 0.14 0.00	62.04 0.06 0.00	56.87 -0.11 0.00	49.11 -0.20 0.00	43.68 -0.18 0.00
TELGRAPH_34_KV_EAST 80808	37.10 0.15 0.00	33.85 0.10 0.00	30.06 0.09 0.00	28.24 -0.29 0.00	28.06 -0.46 0.00	27.51 -0.50 0.00	27.57 -0.33 0.00	28.11 -0.20 0.00	27.74 -0.48 0.00	30.22 -0.12 0.00	31.50 0.19 0.00	35.22 0.28 0.00	37.51 0.07 0.00	40.13 -0.16 0.00	42.86 -0.13 0.00	47.42 0.19 0.00	54.15 0.85 0.00	57.94 0.74 0.00	71.64 0.57 0.00	67.32 -0.20 0.00	62.10 0.12 0.00	57.27 0.28 0.00	49.66 0.35 0.00	44.34 0.48 0.00
TEMPLE___115KV_TB 2 55572	36.92 -0.04 0.00	33.75 0.00 0.00	29.94 -0.03 0.00	28.44 -0.09 0.00	28.40 -0.11 0.00	27.88 -0.14 0.00	27.79 -0.11 0.00	28.23 -0.08 0.00	28.08 -0.14 0.00	30.28 -0.06 0.00	31.16 -0.16 0.00	34.80 -0.14 0.00	37.28 -0.15 0.00	40.09 -0.20 0.00	42.82 -0.17 0.00	47.09 -0.14 0.00	53.35 0.05 0.00	57.20 0.00 0.00	71.28 0.21 0.00	67.65 0.14 0.00	62.10 0.12 0.00	56.87 -0.11 0.00	49.11 -0.20 0.00	43.68 -0.18 0.00
TIANA___69_KV_BK 1 55817	41.57 4.62 0.00	37.70 3.95 0.00	33.54 3.57 0.00	31.83 3.31 0.00	31.68 3.17 0.00	31.13 3.11 0.00	31.00 3.10 0.00	31.79 3.48 0.00	32.01 3.78 0.00	34.63 4.28 -0.01	46.23 4.16 -10.75	48.29 4.75 -8.59	53.18 5.24 -10.51	51.65 5.76 -5.59	62.20 5.80 -13.40	67.75 6.09 -14.42	63.69 6.45 -3.94	65.83 6.98 -1.65	94.05 9.17 -13.82	77.09 8.24 -1.33	69.82 6.88 -0.97	61.76 4.79 0.00	54.11 4.14 -0.65	48.38 4.52 0.00



TILDEN___115KV_TB1 80814	36.99 0.04 0.00	33.82 0.07 0.00	30.00 0.03 0.00	28.49 -0.03 0.00	28.46 -0.06 0.00	27.93 -0.08 0.00	27.85 -0.06 0.00	28.28 -0.03 0.00	28.14 -0.08 0.00	30.31 -0.03 0.00	31.22 -0.09 0.00	34.87 -0.07 0.00	37.32 -0.11 0.00	40.17 -0.12 0.00	42.91 -0.09 0.00	47.23 0.00 0.00	53.46 0.16 0.00	57.37 0.17 0.00	71.49 0.43 0.00	67.92 0.41 0.00	62.28 0.31 0.00	57.10 0.11 0.00	49.26 -0.05 0.00	43.82 -0.04 0.00
TRIGEN___CC 323695	40.83 3.88 0.00	37.13 3.38 0.00	33.00 3.03 0.00	31.43 2.91 0.00	31.37 2.85 0.00	30.79 2.77 0.00	30.70 2.79 0.00	31.34 3.03 0.00	31.36 3.13 0.00	33.66 3.31 -0.01	45.29 3.23 -10.75	47.17 3.63 -8.59	51.95 4.01 -10.51	50.75 4.43 -6.03	65.58 4.64 -17.95	61.42 4.87 -9.32	89.27 5.01 -30.96	75.33 5.26 -12.87	83.24 6.96 -5.21	84.21 6.28 -10.42	75.08 5.45 -7.65	60.71 3.70 -0.02	58.04 3.70 -5.03	47.46 3.60 0.00
TRINITY__115KV__4 BK 55933	37.99 1.03 0.00	34.63 0.88 0.00	30.75 0.78 0.00	29.29 0.77 0.00	29.29 0.77 0.00	28.80 0.78 0.00	28.63 0.73 0.00	28.99 0.68 0.00	28.87 0.65 0.00	30.98 0.64 0.00	31.91 0.59 0.00	35.60 0.66 0.00	38.03 0.60 0.00	40.86 0.73 0.15	43.71 0.73 0.02	47.98 0.76 0.01	54.10 0.80 0.00	58.11 0.92 0.00	72.56 1.49 0.00	68.87 1.35 0.00	63.15 1.18 0.00	57.61 0.63 0.00	50.00 0.69 0.00	44.52 0.66 0.00
UNION___PROCESSING_DRP 323587	37.06 0.11 0.00	33.79 0.03 0.00	29.94 -0.03 0.00	28.27 -0.26 0.00	28.15 -0.37 0.00	27.60 -0.42 0.00	27.57 -0.33 0.00	28.14 -0.17 0.00	27.89 -0.34 0.00	30.31 -0.03 0.00	31.50 0.19 0.00	35.29 0.35 0.00	37.66 0.22 0.00	40.37 0.08 0.00	43.16 0.17 0.00	47.61 0.38 0.00	54.15 0.85 0.00	58.00 0.80 0.00	71.99 0.92 0.00	67.92 0.41 0.00	62.53 0.56 0.00	57.61 0.63 0.00	49.80 0.49 0.00	44.25 0.39 0.00
UPPER HUDSON___HYD 24058	39.21 2.25 0.00	35.64 1.89 0.00	31.47 1.50 0.00	29.95 1.43 0.00	29.94 1.43 0.00	29.47 1.46 0.00	29.25 1.34 0.00	29.47 1.16 0.00	29.30 1.07 0.00	31.37 1.03 0.00	32.00 0.69 0.00	35.78 0.84 0.00	37.88 0.45 0.00	40.50 0.49 0.27	43.65 0.69 0.03	47.98 0.75 0.01	54.47 1.17 0.00	58.97 1.78 0.00	74.55 3.48 0.00	71.10 3.58 0.00	65.44 3.47 0.00	59.89 2.90 0.00	52.02 2.71 0.00	46.05 2.19 0.00
UPPER RAQUET___HYD 24056	36.36 -0.59 0.00	33.35 -0.40 0.00	29.64 -0.33 0.00	28.21 -0.31 0.00	28.20 -0.31 0.00	27.71 -0.31 0.00	27.52 -0.39 0.00	27.86 -0.45 0.00	27.77 -0.45 0.00	29.80 -0.55 0.00	30.91 -0.41 0.00	34.52 -0.42 0.00	37.09 -0.34 0.00	39.85 -0.44 0.00	42.56 -0.43 0.00	46.86 -0.38 0.00	52.76 -0.53 0.00	56.74 -0.46 0.00	70.85 -0.21 0.00	67.65 0.14 0.00	62.35 0.37 0.00	57.89 0.91 0.00	50.00 0.69 0.00	44.21 0.35 0.00
VALLEY44_115KV_TB2 355964	36.29 -0.67 0.00	33.25 -0.51 0.00	29.52 -0.45 0.00	27.75 -0.77 0.00	27.63 -0.88 0.00	27.15 -0.87 0.00	27.18 -0.73 0.00	27.69 -0.62 0.00	27.49 -0.73 0.00	29.92 -0.42 0.00	31.22 -0.09 0.00	34.91 -0.03 0.00	37.21 -0.22 0.00	39.89 -0.40 0.00	42.69 -0.30 0.00	47.38 0.14 0.00	54.10 0.80 0.00	57.60 0.40 0.00	71.07 0.00 0.00	66.84 -0.68 0.00	61.54 -0.43 0.00	56.30 -0.68 0.00	48.72 -0.59 0.00	43.46 -0.39 0.00
VALLEY___115KV_TB 1-4 80826	36.92 -0.04 0.00	33.72 -0.03 0.00	29.94 -0.03 0.00	28.52 0.00 0.00	28.55 0.03 0.00	28.07 0.06 0.00	27.96 0.06 0.00	28.34 0.03 0.00	28.25 0.03 0.00	30.34 0.00 0.00	31.25 -0.06 0.00	34.87 -0.07 0.00	37.39 -0.04 0.00	40.21 -0.08 0.00	42.86 -0.13 0.00	47.05 -0.19 0.00	53.08 -0.21 0.00	57.08 -0.11 0.00	71.21 0.14 0.00	67.72 0.20 0.00	62.22 0.25 0.00	57.21 0.23 0.00	49.51 0.20 0.00	43.99 0.13 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	39.06 2.11 0.00	35.71 1.96 0.00	31.68 1.71 0.00	30.18 1.65 0.00	30.20 1.68 0.00	29.75 1.74 0.00	29.58 1.67 0.00	29.95 1.64 0.00	29.83 1.61 0.00	32.01 1.67 0.00	32.91 1.60 0.00	36.79 1.85 0.00	39.53 2.10 0.00	42.47 2.18 0.00	45.31 2.32 0.00	49.74 2.50 0.00	56.18 2.88 0.00	60.29 3.09 0.00	75.33 4.26 0.00	71.57 4.05 0.00	65.69 3.72 0.00	59.95 2.96 0.00	51.78 2.47 0.00	46.05 2.19 0.00
VISCHER___FERRY HYD 24020	38.95 1.99 0.00	35.47 1.72 0.00	31.44 1.47 0.00	29.98 1.45 0.00	29.94 1.43 0.00	29.44 1.43 0.00	29.30 1.39 0.00	29.70 1.39 0.00	29.55 1.33 0.00	31.62 1.27 0.00	32.53 1.22 0.00	36.27 1.33 0.00	38.70 1.27 0.00	41.29 1.41 0.41	44.50 1.55 0.04	48.82 1.61 0.02	55.27 1.97 0.00	59.60 2.40 0.00	74.34 3.27 0.00	70.76 3.24 0.00	64.89 2.91 0.00	59.26 2.28 0.00	51.43 2.12 0.00	45.70 1.84 0.00
V_A_10_SYNC_DSASP 323832	36.51 -0.44 0.00	33.41 -0.34 0.00	29.64 -0.33 0.00	27.87 -0.66 0.00	27.72 -0.80 0.00	27.23 -0.78 0.00	27.26 -0.64 0.00	27.86 -0.45 0.00	27.60 -0.62 0.00	30.01 -0.33 0.00	31.25 -0.06 0.00	34.94 0.00 0.00	37.21 -0.22 0.00	39.85 -0.44 0.00	42.48 -0.52 0.00	46.95 -0.28 0.00	53.51 0.21 0.00	57.14 -0.06 0.00	70.64 -0.43 0.00	66.44 -1.08 0.00	61.23 -0.74 0.00	56.30 -0.68 0.00	48.92 -0.39 0.00	43.55 -0.31 0.00
V_CMM_10_SYNC_DSASP 323787	36.18 -0.78 0.00	33.11 -0.64 0.00	29.43 -0.54 0.00	28.01 -0.51 0.00	28.00 -0.51 0.00	27.48 -0.53 0.00	27.35 -0.56 0.00	27.77 -0.54 0.00	27.72 -0.51 0.00	29.76 -0.58 0.00	30.84 -0.47 0.00	34.45 -0.49 0.00	36.98 -0.45 0.00	39.77 -0.52 0.00	42.48 -0.51 0.00	46.72 -0.52 0.00	52.60 -0.69 0.00	56.40 -0.80 0.00	70.00 -1.06 0.00	66.71 -0.81 0.00	61.35 -0.62 0.00	56.98 0.00 0.00	49.21 -0.10 0.00	43.64 -0.22 0.00
V_CMP_10_SYNC_DSASP 323788	36.58 -0.37 0.00	33.48 -0.27 0.00	29.73 -0.24 0.00	28.29 -0.23 0.00	28.26 -0.26 0.00	27.74 -0.28 0.00	27.60 -0.31 0.00	28.00 -0.31 0.00	27.91 -0.31 0.00	29.98 -0.36 0.00	31.10 -0.22 0.00	34.73 -0.21 0.00	37.32 -0.11 0.00	40.13 -0.16 0.00	42.91 -0.09 0.00	47.28 0.05 0.00	53.35 0.05 0.00	57.31 0.11 0.00	71.35 0.29 0.00	68.06 0.54 0.00	62.72 0.75 0.00	58.23 1.25 0.00	50.20 0.89 0.00	44.39 0.53 0.00
V_D_10_SYNC_DSASP 323841	36.44 -0.52 0.00	33.35 -0.40 0.00	29.67 -0.30 0.00	28.24 -0.29 0.00	28.20 -0.31 0.00	27.68 -0.33 0.00	27.54 -0.36 0.00	27.92 -0.40 0.00	27.86 -0.37 0.00	29.92 -0.42 0.00	31.06 -0.25 0.00	34.70 -0.24 0.00	37.24 -0.19 0.00	40.05 -0.24 0.00	42.78 -0.21 0.00	47.05 -0.19 0.00	52.93 -0.37 0.00	56.74 -0.46 0.00	70.57 -0.49 0.00	67.25 -0.27 0.00	61.85 -0.12 0.00	57.49 0.51 0.00	49.75 0.44 0.00	44.08 0.22 0.00
V_E_10_SYNC_DSASP 323830	39.62 2.66 0.00	36.45 2.70 0.00	32.31 2.34 0.00	30.60 2.08 0.00	30.71 2.20 0.00	30.28 2.27 0.00	30.03 2.12 0.00	30.32 2.01 0.00	29.95 1.72 0.00	31.95 1.61 0.00	32.75 1.44 0.00	36.62 1.68 0.00	39.41 1.98 0.00	42.14 1.85 0.00	45.18 2.19 0.00	49.88 2.64 0.00	56.87 3.57 0.00	61.60 4.40 0.00	77.75 6.68 0.00	74.41 6.89 0.00	68.48 6.51 0.00	62.68 5.70 0.00	53.75 4.44 0.00	47.46 3.60 0.00



V_F_30_NSYNC___DSASP 323816	39.28 2.33 0.00	35.74 1.99 0.00	31.65 1.68 0.00	30.12 1.60 0.00	30.11 1.60 0.00	29.64 1.62 0.00	29.44 1.53 0.00	29.73 1.41 0.00	29.55 1.33 0.00	31.62 1.27 0.00	32.47 1.16 0.00	36.27 1.33 0.00	38.59 1.16 0.00	41.28 1.29 0.30	44.47 1.50 0.03	48.83 1.61 0.01	55.32 2.02 0.00	59.77 2.58 0.00	74.90 3.83 0.00	71.37 3.85 0.00	65.50 3.53 0.00	59.89 2.90 0.00	52.02 2.71 0.00	46.18 2.32 0.00
V_F_30_SYNC_DSASP 323786	38.14 1.18 0.00	34.77 1.01 0.00	30.84 0.87 0.00	29.38 0.86 0.00	29.37 0.86 0.00	28.88 0.87 0.00	28.72 0.81 0.00	29.05 0.74 0.00	28.93 0.71 0.00	31.04 0.70 0.00	31.97 0.66 0.00	35.71 0.77 0.00	38.10 0.67 0.00	40.93 0.81 0.17	43.83 0.86 0.02	48.12 0.90 0.01	54.26 0.96 0.00	58.34 1.14 0.00	72.84 1.78 0.00	69.14 1.62 0.00	63.40 1.43 0.00	57.84 0.85 0.00	50.25 0.94 0.00	44.69 0.83 0.00
V_XM_10_SYNC_DSASP 323789	36.58 -0.37 0.00	33.48 -0.27 0.00	29.73 -0.24 0.00	28.29 -0.23 0.00	28.26 -0.26 0.00	27.74 -0.28 0.00	27.60 -0.31 0.00	28.00 -0.31 0.00	27.91 -0.31 0.00	29.98 -0.36 0.00	31.10 -0.22 0.00	34.73 -0.21 0.00	37.32 -0.11 0.00	40.13 -0.16 0.00	42.91 -0.09 0.00	47.28 0.05 0.00	53.35 0.05 0.00	57.31 0.11 0.00	71.35 0.29 0.00	68.06 0.54 0.00	62.72 0.75 0.00	58.23 1.25 0.00	50.20 0.89 0.00	44.39 0.53 0.00
W.BABYLN_69_KV_BK1 56697	41.83 4.88 0.00	37.97 4.22 0.00	33.78 3.81 0.00	32.09 3.57 0.00	31.97 3.45 0.00	31.38 3.36 0.00	31.23 3.32 0.00	31.94 3.62 0.00	32.01 3.78 0.00	34.48 4.13 -0.01	46.07 4.01 -10.75	48.08 4.54 -8.59	52.85 4.90 -10.51	51.40 5.44 -5.67	55.05 5.55 -6.52	67.58 5.90 -14.44	68.38 6.18 -8.90	67.54 6.63 -3.70	81.31 8.74 -1.50	78.42 7.90 -3.00	70.93 6.76 -2.20	61.71 4.73 0.00	55.12 4.34 -1.47	48.46 4.61 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	40.09 3.14 0.00	36.45 2.70 0.00	32.40 2.43 0.00	30.83 2.31 0.00	30.77 2.25 0.00	30.23 2.21 0.00	30.14 2.23 0.00	30.69 2.38 0.00	30.74 2.51 0.00	33.01 2.67 0.00	33.98 2.66 0.00	37.98 3.04 0.00	40.84 3.41 0.00	44.27 3.83 -0.15	47.01 4.00 -0.02	51.40 4.16 -0.01	57.51 4.21 0.00	61.60 4.40 0.00	77.04 5.97 0.00	72.79 5.27 0.00	66.56 4.59 0.00	60.06 3.08 0.00	52.07 2.76 0.00	46.67 2.81 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	40.43 3.47 0.00	36.76 3.00 0.00	32.70 2.73 0.00	31.15 2.62 0.00	31.05 2.54 0.00	30.51 2.49 0.00	30.47 2.57 0.00	31.06 2.75 0.00	31.13 2.91 0.00	33.47 3.13 0.00	34.38 3.07 0.00	38.43 3.49 0.00	41.29 3.86 0.00	44.80 4.35 -0.16	47.48 4.47 -0.02	51.87 4.63 -0.01	57.93 4.64 0.00	62.00 4.80 0.00	77.46 6.40 0.00	73.26 5.74 0.00	66.93 4.96 0.00	60.34 3.36 0.00	52.57 3.25 0.00	47.06 3.20 0.00
W50THST__13_KV_LOAD 356117	40.61 3.66 0.00	36.89 3.14 0.00	32.85 2.88 0.00	31.26 2.74 0.00	31.20 2.68 0.00	30.65 2.63 0.00	30.61 2.71 0.00	31.23 2.92 0.00	31.27 3.05 0.00	33.62 3.28 0.00	34.57 3.26 0.00	38.64 3.70 0.00	41.51 4.08 0.00	45.04 4.59 -0.16	47.74 4.73 -0.02	52.20 4.96 -0.01	58.31 5.01 0.00	62.40 5.20 0.00	77.89 6.82 0.00	73.66 6.14 0.00	67.30 5.33 0.00	60.69 3.70 0.00	52.81 3.50 0.00	47.32 3.46 0.00
WADING RIVER_IC_1 23522	41.06 4.10 -0.01	37.27 3.51 -0.01	33.10 3.12 -0.01	31.47 2.94 -0.01	31.26 2.74 -0.01	30.71 2.69 0.00	30.61 2.71 0.00	31.41 3.09 -0.01	31.56 3.33 -0.01	34.03 3.67 -0.01	45.57 3.51 -10.75	47.52 3.98 -8.59	52.36 4.41 -10.51	50.72 4.83 -5.59	61.17 4.81 -13.36	66.37 5.06 -14.08	62.45 5.23 -3.92	64.61 5.77 -1.64	92.13 7.61 -13.45	75.66 6.82 -1.32	68.52 5.58 -0.96	60.68 3.70 0.00	53.16 3.20 -0.65	47.19 3.33 0.00
WADING RIVER_IC_2 23547	41.06 4.10 -0.01	37.27 3.51 -0.01	33.10 3.12 -0.01	31.47 2.94 -0.01	31.26 2.74 -0.01	30.71 2.69 0.00	30.61 2.71 0.00	31.41 3.09 -0.01	31.56 3.33 -0.01	34.03 3.67 -0.01	45.57 3.51 -10.75	47.52 3.98 -8.59	52.36 4.41 -10.51	50.72 4.83 -5.59	61.17 4.81 -13.36	66.37 5.06 -14.08	62.45 5.23 -3.92	64.61 5.77 -1.64	92.13 7.61 -13.45	75.66 6.82 -1.32	68.52 5.58 -0.96	60.68 3.70 0.00	53.16 3.20 -0.65	47.19 3.33 0.00
WADING RIVER_IC_3 23601	41.06 4.10 -0.01	37.27 3.51 -0.01	33.10 3.12 -0.01	31.47 2.94 -0.01	31.26 2.74 -0.01	30.71 2.69 0.00	30.61 2.71 0.00	31.41 3.09 -0.01	31.56 3.33 -0.01	34.03 3.67 -0.01	45.57 3.51 -10.75	47.52 3.98 -8.59	52.36 4.41 -10.51	50.72 4.83 -5.59	61.17 4.81 -13.36	66.37 5.06 -14.08	62.45 5.23 -3.92	64.61 5.77 -1.64	92.13 7.61 -13.45	75.66 6.82 -1.32	68.52 5.58 -0.96	60.68 3.70 0.00	53.16 3.20 -0.65	47.19 3.33 0.00
WALDENNY_12_KV_BK2 80841	36.88 -0.07 0.00	33.79 0.03 0.00	30.00 0.03 0.00	28.15 -0.37 0.00	28.00 -0.51 0.00	27.51 -0.50 0.00	27.57 -0.33 0.00	28.09 -0.23 0.00	27.83 -0.40 0.00	30.31 -0.03 0.00	31.66 0.34 0.00	35.40 0.45 0.00	37.69 0.26 0.00	40.33 0.04 0.00	43.08 0.09 0.00	47.71 0.47 0.00	54.47 1.17 0.00	58.17 0.97 0.00	71.71 0.64 0.00	67.32 -0.20 0.00	62.04 0.06 0.00	56.98 0.00 0.00	49.56 0.25 0.00	44.21 0.35 0.00
WALDEN__HYDRO 24148	39.80 2.85 0.00	36.22 2.46 0.00	32.19 2.22 0.00	30.66 2.14 0.00	30.60 2.08 0.00	30.06 2.05 0.00	29.97 2.07 0.00	30.46 2.15 0.00	30.45 2.23 0.00	32.68 2.34 0.00	33.63 2.32 0.00	37.56 2.62 0.00	40.39 2.96 0.00	43.75 3.34 -0.12	46.53 3.53 -0.01	50.97 3.73 -0.01	57.14 3.84 0.00	61.32 4.12 0.00	76.75 5.69 0.00	72.58 5.06 0.00	66.37 4.40 0.00	60.00 3.02 0.00	51.97 2.66 0.00	46.49 2.63 0.00
WARRENSBURG____ 23737	39.21 2.25 0.00	35.64 1.89 0.00	31.50 1.53 0.00	29.95 1.43 0.00	29.97 1.45 0.00	29.47 1.46 0.00	29.25 1.34 0.00	29.47 1.16 0.00	29.30 1.07 0.00	31.37 1.03 0.00	32.00 0.69 0.00	35.78 0.84 0.00	37.88 0.45 0.00	40.50 0.48 0.27	43.65 0.69 0.03	47.98 0.76 0.01	54.47 1.17 0.00	58.91 1.72 0.00	74.55 3.48 0.00	71.10 3.58 0.00	65.44 3.47 0.00	59.83 2.85 0.00	52.02 2.71 0.00	46.05 2.19 0.00
WATERSIDE____6 8 9 23538	40.58 3.62 -0.01	36.86 3.11 -0.01	32.80 2.82 -0.01	31.21 2.68 -0.01	31.15 2.62 -0.01	30.57 2.55 0.00	30.47 2.57 0.00	31.06 2.75 0.00	31.10 2.88 0.00	33.44 3.09 0.00	34.38 3.07 0.00	38.47 3.53 0.00	41.32 3.89 0.00	44.88 4.43 -0.16	47.48 4.47 -0.02	51.78 4.53 -0.01	57.72 4.42 0.00	61.77 4.58 0.00	77.18 6.11 0.00	72.99 5.47 0.00	66.68 4.71 0.00	60.06 3.08 0.00	52.42 3.11 0.00	47.15 3.29 0.00
WATKINRD_115KV_LN8_ILLION 55919	37.03 0.07 0.00	33.82 0.07 0.00	30.03 0.06 0.00	28.58 0.06 0.00	28.60 0.09 0.00	28.13 0.11 0.00	28.02 0.11 0.00	28.40 0.08 0.00	28.31 0.08 0.00	30.40 0.06 0.00	31.31 0.00 0.00	34.94 0.00 0.00	37.47 0.04 0.00	40.29 0.00 0.00	42.95 -0.04 0.00	47.19 -0.05 0.00	53.24 -0.05 0.00	57.20 0.00 0.00	71.35 0.28 0.00	67.79 0.27 0.00	62.28 0.31 0.00	57.21 0.23 0.00	49.51 0.20 0.00	43.99 0.13 0.00



WDELAWARE___HYD 323627	39.54 2.59 0.00	36.01 2.26 0.00	31.92 1.95 0.00	30.43 1.91 0.00	30.34 1.83 0.00	29.84 1.82 0.00	29.75 1.84 0.00	30.21 1.90 0.00	30.20 1.98 0.00	32.37 2.03 0.00	33.26 1.94 0.00	37.18 2.24 0.00	40.05 2.62 0.00	43.29 2.90 -0.10	46.10 3.10 -0.01	50.59 3.35 0.00	56.81 3.52 0.00	61.14 3.94 0.00	76.61 5.55 0.00	72.45 4.93 0.00	66.25 4.27 0.00	59.94 2.96 0.00	51.78 2.46 0.00	46.23 2.37 0.00
WEST BABYLON___IC 23714	41.83 4.88 0.00	37.97 4.22 0.00	33.78 3.81 0.00	32.09 3.57 0.00	31.97 3.45 0.00	31.38 3.36 0.00	31.23 3.32 0.00	31.94 3.62 0.00	32.01 3.78 0.00	34.48 4.13 -0.01	46.07 4.01 -10.75	48.08 4.54 -8.59	52.85 4.90 -10.51	51.40 5.44 -5.67	55.05 5.55 -6.52	67.58 5.90 -14.44	68.38 6.18 -8.90	67.54 6.63 -3.70	81.31 8.74 -1.50	78.42 7.90 -3.00	70.93 6.76 -2.20	61.71 4.73 0.00	55.12 4.34 -1.47	48.46 4.61 0.00
WEST CANADA___HYD 24049	37.25 0.29 0.00	34.02 0.27 0.00	30.21 0.24 0.00	28.75 0.23 0.00	28.74 0.23 0.00	28.27 0.25 0.00	28.16 0.25 0.00	28.54 0.23 0.00	28.45 0.22 0.00	30.56 0.21 0.00	31.50 0.19 0.00	35.15 0.21 0.00	37.66 0.23 0.00	40.53 0.24 0.00	43.25 0.26 0.00	47.47 0.24 0.00	53.57 0.27 0.00	57.54 0.35 0.00	71.57 0.50 0.00	68.00 0.48 0.00	62.41 0.44 0.00	57.27 0.29 0.00	49.56 0.25 0.00	44.08 0.22 0.00
WESTERN_NY_WIND 24143	37.66 0.70 0.00	34.26 0.51 0.00	30.42 0.45 0.00	28.61 0.09 0.00	28.43 -0.09 0.00	27.85 -0.17 0.00	27.85 -0.06 0.00	28.40 0.08 0.00	28.00 -0.23 0.00	30.49 0.15 0.00	31.81 0.50 0.00	35.60 0.66 0.00	37.92 0.49 0.00	40.61 0.32 0.00	43.47 0.47 0.00	48.09 0.85 0.00	54.95 1.65 0.00	58.86 1.66 0.00	72.99 1.92 0.00	68.73 1.22 0.00	63.46 1.49 0.00	58.58 1.60 0.00	50.64 1.33 0.00	45.09 1.23 0.00
WESTOVER___LESR 323668	37.51 0.55 0.00	34.29 0.54 0.00	30.42 0.45 0.00	28.86 0.34 0.00	28.83 0.31 0.00	28.32 0.31 0.00	28.27 0.36 0.00	28.71 0.40 0.00	28.53 0.31 0.00	30.77 0.42 0.00	31.78 0.47 0.00	35.50 0.56 0.00	37.99 0.56 0.00	40.85 0.56 0.00	43.68 0.69 0.00	48.13 0.90 0.00	54.52 1.23 0.00	58.34 1.14 0.00	72.63 1.56 0.00	68.87 1.35 0.00	63.28 1.30 0.00	57.84 0.85 0.00	49.95 0.64 0.00	44.47 0.61 0.00
WETHRSFD_WT_PWR 323626	36.81 -0.15 0.00	33.72 -0.03 0.00	30.06 0.09 0.00	28.12 -0.40 0.00	28.18 -0.34 0.00	27.57 -0.45 0.00	27.54 -0.36 0.00	27.92 -0.40 0.00	27.58 -0.65 0.00	29.95 -0.40 0.00	31.19 -0.12 0.00	34.91 -0.03 0.00	37.21 -0.22 0.00	39.97 -0.32 0.00	42.65 -0.35 0.00	47.14 -0.09 0.00	53.67 0.38 0.00	57.43 0.23 0.00	71.14 0.07 0.00	67.32 -0.20 0.00	62.29 0.31 0.00	56.93 -0.06 0.00	49.41 0.10 0.00	44.25 0.39 0.00
WHAVSTOR_138KV_BK127 55557	39.91 2.96 0.00	36.28 2.53 0.00	32.25 2.28 0.00	30.72 2.20 0.00	30.66 2.14 0.00	30.12 2.10 0.00	30.03 2.12 0.00	30.58 2.26 0.00	30.62 2.40 0.00	32.89 2.55 0.00	33.85 2.54 0.00	37.84 2.90 0.00	40.65 3.22 0.00	44.07 3.63 -0.15	46.75 3.74 -0.02	51.11 3.87 -0.01	57.19 3.89 0.00	61.26 4.06 0.00	76.54 5.47 0.00	72.38 4.86 0.00	66.19 4.21 0.00	59.72 2.74 0.00	51.83 2.51 0.00	46.45 2.59 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	39.91 2.96 0.00	36.28 2.53 0.00	32.25 2.28 0.00	30.72 2.20 0.00	30.66 2.14 0.00	30.12 2.10 0.00	30.03 2.12 0.00	30.58 2.26 0.00	30.62 2.40 0.00	32.89 2.55 0.00	33.85 2.54 0.00	37.84 2.90 0.00	40.65 3.22 0.00	44.07 3.63 -0.15	46.75 3.74 -0.02	51.11 3.87 -0.01	57.19 3.89 0.00	61.26 4.06 0.00	76.54 5.47 0.00	72.38 4.86 0.00	66.19 4.21 0.00	59.72 2.74 0.00	51.83 2.51 0.00	46.45 2.59 0.00
WHITEHAL_115KV_TB1 80871	40.50 3.55 0.00	36.69 2.94 0.00	32.31 2.34 0.00	30.66 2.14 0.00	30.71 2.20 0.00	30.23 2.21 0.00	29.92 2.01 0.00	30.01 1.70 0.00	29.80 1.58 0.00	31.89 1.55 0.00	32.53 1.22 0.00	36.41 1.47 0.00	38.33 0.90 0.00	41.02 1.01 0.27	44.47 1.50 0.03	48.92 1.70 0.01	55.86 2.56 0.00	60.69 3.49 0.00	77.25 6.18 0.00	73.87 6.35 0.00	67.99 6.01 0.00	62.17 5.19 0.00	54.05 4.73 0.00	47.63 3.77 0.00
WHITEPLN_13_KV_LOAD 356215	40.54 3.58 0.00	36.82 3.07 0.00	32.73 2.76 0.00	31.15 2.62 0.00	31.08 2.57 0.00	30.54 2.52 0.00	30.45 2.54 0.00	31.00 2.69 0.00	31.05 2.82 0.00	33.35 3.00 0.00	34.32 3.01 0.00	38.43 3.49 0.00	41.40 3.97 0.00	44.96 4.51 -0.16	47.78 4.77 -0.02	52.20 4.96 -0.01	58.57 5.28 0.00	62.86 5.66 0.00	78.60 7.53 0.00	74.34 6.82 0.00	67.80 5.83 0.00	61.08 4.10 0.00	52.76 3.45 0.00	47.28 3.42 0.00
WM_FLOYD_69_KV_BK2 356380	41.46 4.51 0.00	37.60 3.85 0.00	33.45 3.48 0.00	31.77 3.25 0.00	31.63 3.11 0.00	31.07 3.05 0.00	30.92 3.01 0.00	31.68 3.37 0.00	31.81 3.58 0.00	34.30 3.94 -0.01	45.82 3.76 -10.75	47.76 4.23 -8.59	52.62 4.68 -10.51	51.08 5.20 -5.60	61.79 5.16 -13.63	68.69 5.43 -16.02	62.91 5.60 -4.01	65.00 6.12 -1.68	94.78 8.10 -15.62	76.23 7.36 -1.35	69.09 6.14 -0.98	61.14 4.16 0.00	53.67 3.70 -0.66	47.94 4.08 0.00
WOODARD___115KV_TB2 355635	36.84 -0.11 0.00	33.68 -0.07 0.00	29.88 -0.09 0.00	28.38 -0.14 0.00	28.35 -0.17 0.00	27.85 -0.17 0.00	27.74 -0.17 0.00	28.20 -0.11 0.00	28.05 -0.17 0.00	30.22 -0.12 0.00	31.13 -0.19 0.00	34.73 -0.21 0.00	37.17 -0.26 0.00	40.01 -0.28 0.00	42.73 -0.26 0.00	47.00 -0.24 0.00	53.19 -0.11 0.00	57.08 -0.11 0.00	71.07 0.00 0.00	67.52 0.00 0.00	61.91 -0.06 0.00	56.75 -0.23 0.00	49.07 -0.25 0.00	43.60 -0.26 0.00
WOODMERE_69_KV_BK1 55827	41.39 4.43 0.00	37.63 3.88 0.00	33.45 3.48 0.00	31.86 3.34 0.00	31.77 3.25 0.00	31.18 3.17 0.00	31.06 3.15 0.00	31.71 3.40 0.00	31.75 3.53 0.00	34.12 3.76 -0.01	45.79 3.73 -10.75	47.80 4.26 -8.59	52.62 4.68 -10.51	52.20 5.24 -6.67	90.33 5.55 -41.79	74.90 5.95 -21.71	131.73 6.29 -72.15	93.88 6.69 -29.99	91.87 8.67 -12.14	99.68 7.90 -24.26	86.76 6.94 -17.84	62.00 4.96 -0.06	65.38 4.73 -11.33	48.29 4.43 0.00
YORK___WARBASSE 23770	40.80 3.84 -0.01	37.03 3.27 -0.01	32.95 2.97 -0.01	31.35 2.82 -0.01	31.26 2.74 -0.01	30.65 2.63 0.00	30.58 2.68 0.00	31.14 2.83 0.00	31.19 2.96 0.00	33.56 3.22 0.00	34.54 3.23 0.00	38.68 3.74 0.00	41.59 4.15 -0.01	45.17 4.71 -0.17	47.78 4.77 -0.02	51.97 4.72 -0.01	57.88 4.58 0.00	61.89 4.69 0.00	77.32 6.25 0.00	73.12 5.60 0.00	66.81 4.83 0.00	60.12 3.13 0.00	52.52 3.21 0.00	47.41 3.55 0.00