

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

04/07/2025

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	48.11	43.62	42.51	41.32	42.69	47.97	60.69	69.47	63.93	62.40	60.24	56.84	53.92	52.49	53.24	54.10	55.19	60.34	65.75	74.25	66.50	57.85	49.20	47.17
24138	1.90	1.64	1.40	1.43	1.36	1.80	2.83	3.93	3.68	3.81	3.89	4.01	3.67	3.71	3.81	3.78	4.04	4.37	4.53	5.12	4.69	3.73	2.92	2.63
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	48.16	43.67	42.59	41.20	42.65	48.01	60.51	69.21	63.69	62.35	60.13	56.63	53.72	52.34	53.04	53.94	54.99	60.34	65.69	74.25	66.44	57.85	49.25	47.22
24260	1.94	1.68	1.48	1.32	1.32	1.85	2.66	3.67	3.43	3.75	3.78	3.80	3.47	3.56	3.61	3.62	3.84	4.37	4.47	5.12	4.64	3.73	2.96	2.67
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	48.16	43.67	42.59	41.20	42.65	48.01	60.51	69.21	63.69	62.35	60.13	56.63	53.72	52.34	53.04	53.94	54.99	60.34	65.69	74.25	66.44	57.85	49.25	47.22
24261	1.94	1.68	1.48	1.32	1.32	1.85	2.66	3.67	3.43	3.75	3.78	3.80	3.47	3.56	3.61	3.62	3.84	4.37	4.47	5.12	4.64	3.73	2.96	2.67
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	48.16	43.67	42.84	41.48	43.15	48.29	60.86	69.01	63.45	61.64	59.06	55.26	52.42	50.83	51.46	52.54	53.71	59.10	64.83	73.15	65.51	56.77	48.51	46.64
24011	1.94	1.68	1.73	1.60	1.82	2.12	3.01	3.47	3.19	3.05	2.70	2.43	2.16	2.05	2.03	2.21	2.56	3.13	3.61	4.01	3.71	2.65	2.22	2.09
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK RESOURCE___RCVRY	48.34	43.83	43.00	41.64	43.35	48.48	61.21	69.47	63.81	61.93	59.28	55.52	52.67	51.03	51.66	52.74	53.96	59.33	65.26	73.57	65.94	57.04	48.69	46.82
23798	2.13	1.85	1.89	1.75	2.02	2.31	3.35	3.93	3.55	3.34	2.93	2.69	2.41	2.25	2.23	2.42	2.81	3.36	4.04	4.43	4.14	2.92	2.41	2.27
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS	48.16	43.67	42.84	41.48	43.15	48.29	60.86	69.01	63.45	61.64	59.06	55.26	52.42	50.83	51.46	52.54	53.71	59.10	64.83	73.15	65.51	56.77	48.51	46.64
24028	1.94	1.68	1.73	1.60	1.82	2.12	3.01	3.47	3.19	3.05	2.70	2.43	2.16	2.05	2.03	2.21	2.56	3.13	3.61	4.01	3.71	2.65	2.22	2.09
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK_NYS___DAM	47.41	43.04	42.06	40.84	42.32	47.46	59.01	66.85	61.58	60.06	57.88	54.30	51.31	49.81	50.52	51.48	52.58	57.71	63.12	71.21	63.84	55.79	47.81	45.88
23527	1.20	1.05	0.95	0.96	0.99	1.29	1.16	1.31	1.32	1.47	1.52	1.48	1.06	1.03	1.09	1.16	1.43	1.74	1.90	2.07	2.04	1.68	1.53	1.34
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP	45.80	41.69	40.78	39.64	41.08	45.80	57.45	65.15	59.96	58.48	56.35	52.83	50.11	48.73	49.38	50.27	51.30	56.25	61.47	69.28	62.05	54.22	46.38	44.68
24190	-0.42	-0.29	-0.33	-0.24	-0.25	-0.37	-0.40	-0.39	-0.30	-0.12	0.00	0.00	-0.15	-0.05	-0.05	-0.05	0.15	0.28	0.24	0.14	0.25	0.11	0.09	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
AKWESSNE_115KV_BK	46.31	42.11	41.19	40.04	41.49	46.35	57.85	65.48	60.08	58.54	56.24	52.77	50.31	48.88	49.43	50.32	51.10	55.91	60.91	68.79	61.43	54.06	46.24	44.55
355683	0.09	0.13	0.08	0.16	0.17	0.18	0.00	-0.07	-0.18	-0.06	-0.11	-0.05	0.05	0.10	0.00	0.00	-0.05	-0.06	-0.31	-0.35	-0.37	-0.05	-0.05	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	46.91	42.66	41.77	40.56	42.07	46.90	58.90	66.65	61.22	59.53	57.08	53.51	50.76	49.27	49.93	50.93	51.97	57.09	62.57	70.59	63.22	55.20	47.26	45.53
323833	0.69	0.67	0.66	0.68	0.74	0.74	1.04	1.11	0.96	0.93	0.73	0.68	0.50	0.49	0.49	0.61	0.82	1.12	1.35	1.45	1.42	1.08	0.97	0.98
	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_2_SOLAR	46.91	42.62	41.77	40.52	42.03	46.86	58.84	66.65	61.22	59.53	57.08	53.51	50.76	49.27	49.93	50.88	51.97	57.03	62.57	70.59	63.22	55.20	47.26	45.53
323834	0.69	0.63	0.66	0.64	0.70	0.69	0.98	1.11	0.96	0.93	0.73	0.68	0.50	0.49	0.49	0.55	0.82	1.06	1.35	1.45	1.42	1.08	0.97	0.98
	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___1	45.80	41.69	40.78	39.64	41.08	45.80	57.45	65.15	59.96	58.48	56.35	52.83	50.11	48.73	49.38	50.27	51.30	56.25	61.47	69.28	62.05	54.22	46.38	44.68
23571	-0.42	-0.29	-0.33	-0.24	-0.25	-0.37	-0.40	-0.39	-0.30	-0.12	0.00	0.00	-0.15	-0.05	-0.05	-0.05	0.15	0.28	0.24	0.14	0.25	0.11	0.09	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___2 23572	45.80 -0.42 0.00	41.69 -0.29 0.00	40.78 -0.33 0.00	39.64 -0.24 0.00	41.08 -0.25 0.00	45.80 -0.37 0.00	57.45 -0.40 0.00	65.15 -0.39 0.00	59.96 -0.30 0.00	58.48 -0.12 0.00	56.35 0.00 0.00	52.83 0.00 0.00	50.11 -0.15 0.00	48.73 -0.05 0.00	49.38 -0.05 0.00	50.27 -0.05 0.00	51.30 0.15 0.00	56.25 0.28 0.00	61.47 0.24 0.00	69.28 0.14 0.00	62.05 0.25 0.00	54.22 0.11 0.00	46.38 0.09 0.00	44.68 0.13 0.00
ALBANY___3 23573	45.80 -0.42 0.00	41.69 -0.29 0.00	40.78 -0.33 0.00	39.64 -0.24 0.00	41.08 -0.25 0.00	45.80 -0.37 0.00	57.45 -0.40 0.00	65.15 -0.39 0.00	59.96 -0.30 0.00	58.48 -0.12 0.00	56.35 0.00 0.00	52.83 0.00 0.00	50.11 -0.15 0.00	48.73 -0.05 0.00	49.38 -0.05 0.00	50.27 -0.05 0.00	51.30 0.15 0.00	56.25 0.28 0.00	61.47 0.24 0.00	69.28 0.14 0.00	62.05 0.25 0.00	54.22 0.11 0.00	46.38 0.09 0.00	44.68 0.13 0.00
ALBANY___4 23574	45.80 -0.42 0.00	41.69 -0.29 0.00	40.78 -0.33 0.00	39.64 -0.24 0.00	41.08 -0.25 0.00	45.80 -0.37 0.00	57.45 -0.40 0.00	65.15 -0.39 0.00	59.96 -0.30 0.00	58.48 -0.12 0.00	56.35 0.00 0.00	52.83 0.00 0.00	50.11 -0.15 0.00	48.73 -0.05 0.00	49.38 -0.05 0.00	50.27 -0.05 0.00	51.30 0.15 0.00	56.25 0.28 0.00	61.47 0.24 0.00	69.28 0.14 0.00	62.05 0.25 0.00	54.22 0.11 0.00	46.38 0.09 0.00	44.68 0.13 0.00
ALBANY___LFGE 323615	46.22 0.00 0.00	42.07 0.08 0.00	41.19 0.08 0.00	40.00 0.12 0.00	41.45 0.12 0.00	46.21 0.05 0.00	58.09 0.23 0.00	65.87 0.33 0.00	60.62 0.36 0.00	59.12 0.53 0.00	56.86 0.51 0.00	53.41 0.58 0.00	50.66 0.40 0.00	49.22 0.44 0.00	49.87 0.44 0.00	50.77 0.45 0.00	51.81 0.66 0.00	56.75 0.78 0.00	62.14 0.92 0.00	70.03 0.90 0.00	62.67 0.86 0.00	54.77 0.65 0.00	46.79 0.51 0.00	45.08 0.54 0.00
ALCOA_PA_115KV_PL-6C 55860	46.54 0.32 0.00	42.32 0.34 0.00	41.40 0.29 0.00	40.24 0.36 0.00	41.70 0.37 0.00	46.68 0.51 0.00	58.26 0.40 0.00	65.87 0.33 0.00	60.44 0.18 0.00	58.89 0.29 0.00	56.52 0.17 0.00	52.99 0.16 0.00	50.56 0.30 0.00	49.12 0.34 0.00	49.68 0.25 0.00	50.57 0.25 0.00	51.30 0.15 0.00	56.19 0.22 0.00	61.22 0.00 0.00	69.14 0.00 0.00	61.80 0.00 0.00	54.33 0.22 0.00	46.47 0.19 0.00	44.77 0.22 0.00
ALCOA_RYNLDS___DRP 24188	46.54 0.32 0.00	42.32 0.34 0.00	41.40 0.29 0.00	40.24 0.36 0.00	41.70 0.37 0.00	46.68 0.51 0.00	58.26 0.40 0.00	65.87 0.33 0.00	60.44 0.18 0.00	58.89 0.29 0.00	56.52 0.17 0.00	52.99 0.16 0.00	50.56 0.30 0.00	49.12 0.34 0.00	49.68 0.25 0.00	50.57 0.25 0.00	51.30 0.15 0.00	56.19 0.22 0.00	61.22 0.00 0.00	69.14 0.00 0.00	61.80 0.00 0.00	54.33 0.22 0.00	46.47 0.19 0.00	44.77 0.22 0.00
ALCOA___DSASP 323711	46.54 0.33 0.00	42.32 0.33 0.00	41.40 0.29 0.00	40.24 0.36 0.00	41.70 0.37 0.00	46.68 0.51 0.00	58.26 0.41 0.00	65.87 0.33 0.00	60.44 0.18 0.00	58.89 0.29 0.00	56.64 0.28 0.00	52.99 0.16 0.00	50.56 0.30 0.00	49.12 0.34 0.00	49.68 0.25 0.00	50.57 0.25 0.00	51.31 0.15 0.00	56.31 0.34 0.00	61.22 0.00 0.00	69.07 -0.07 0.00	61.68 -0.12 0.00	54.22 0.11 0.00	46.47 0.19 0.00	44.77 0.22 0.00
ALLEGHENY___COGEN 23514	48.80 2.59 0.00	44.29 2.31 0.00	43.45 2.34 0.00	42.07 2.19 0.00	43.68 2.35 0.00	48.71 2.54 0.00	60.92 3.06 0.00	68.09 2.55 0.00	61.65 1.39 0.00	58.36 -0.23 0.00	55.34 -1.01 0.00	51.61 -1.21 0.00	49.35 -0.90 0.00	47.56 -1.22 0.00	48.34 -1.09 0.00	49.36 -0.96 0.00	49.87 -1.28 0.00	54.63 -1.34 0.00	60.86 -0.37 0.00	69.41 0.28 0.00	62.18 0.37 0.00	54.28 0.16 0.00	46.52 0.23 0.00	45.17 0.62 0.00
ALTAMONT_115KV_TB 2 55880	46.63 0.42 0.00	42.36 0.38 0.00	41.48 0.37 0.00	40.24 0.36 0.00	41.70 0.37 0.00	46.58 0.42 0.00	58.49 0.64 0.00	66.26 0.72 0.00	60.92 0.66 0.00	59.36 0.76 0.00	57.14 0.79 0.00	53.62 0.79 0.00	50.86 0.60 0.00	49.41 0.63 0.00	50.07 0.64 0.00	51.03 0.70 0.00	52.02 0.87 0.00	57.03 1.06 0.00	62.38 1.16 0.00	70.31 1.18 0.00	62.98 1.17 0.00	55.03 0.92 0.00	47.07 0.79 0.00	45.26 0.71 0.00
ALTONA_WT_PWR 323606	47.23 1.02 0.00	42.95 0.97 0.00	42.01 0.90 0.00	40.88 1.00 0.00	42.36 1.03 0.00	47.42 1.25 0.00	58.60 0.75 0.00	65.87 0.33 0.00	60.44 0.18 0.00	58.89 0.29 0.00	57.14 0.79 0.00	53.41 0.58 0.00	50.91 0.65 0.00	49.46 0.68 0.00	49.98 0.54 0.00	50.88 0.55 0.00	51.66 0.51 0.00	56.64 0.67 0.00	60.79 -0.43 0.00	68.38 -0.76 0.00	61.06 -0.74 0.00	54.12 0.00 0.00	46.65 0.37 0.00	44.86 0.31 0.00
AMERICAN_REF_FUEL 24010	46.40 0.19 0.00	42.20 0.21 0.00	41.19 0.08 0.00	40.00 0.12 0.00	41.83 0.50 0.00	45.98 -0.18 0.00	56.06 -1.79 0.00	61.74 -3.80 0.00	57.43 -2.83 0.00	55.14 -3.46 0.00	52.81 -3.55 0.00	49.45 -3.38 0.00	47.59 -2.67 0.00	45.61 -3.17 0.00	46.47 -2.96 0.00	47.40 -2.92 0.00	47.01 -4.14 0.00	50.54 -5.43 0.00	55.16 -6.06 0.00	62.64 -6.50 0.00	56.12 -5.68 0.00	49.57 -4.55 0.00	42.86 -3.42 0.00	42.18 -2.36 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	49.03 2.82 0.00	44.25 2.27 0.00	43.54 2.42 0.00	42.24 2.35 0.00	43.81 2.48 0.00	48.29 2.12 0.00	59.93 2.08 0.00	69.21 3.67 0.00	61.65 1.39 0.00	59.06 0.47 0.00	56.30 -0.06 0.00	52.51 -0.32 0.00	50.31 0.05 0.00	48.10 -0.68 0.00	48.69 -0.74 0.00	49.47 -0.86 0.00	48.70 -2.45 0.00	52.16 -3.81 0.00	56.88 -4.35 0.00	64.23 -4.91 0.00	57.29 -4.51 0.00	50.33 -3.79 0.00	43.41 -2.87 0.00	42.68 -1.87 0.00
ARTHUR KILL_GT_1 23520	56.30 2.17 -7.91	55.66 1.97 -11.70	55.65 1.73 -12.82	41.41 1.52 -0.01	42.87 1.49 -0.06	56.35 2.08 -8.10	60.52 2.66 -0.01	69.01 3.47 0.00	63.64 3.37 -0.01	73.93 3.57 -11.76	63.09 3.61 -3.13	63.59 3.54 -7.22	63.34 3.22 -9.87	63.33 3.27 -11.29	64.57 3.36 -11.77	65.46 3.37 -11.77	66.51 3.63 -11.72	64.67 3.97 -4.73	94.77 4.35 -29.21	98.66 5.19 -24.34	95.12 4.64 -28.68	75.82 3.68 -18.03	61.06 3.10 -11.67	58.60 2.81 -11.24
ARTHUR_KILL_2 23512	56.21 2.08 -7.91	55.53 1.85 -11.70	55.53 1.60 -12.82	41.29 1.40 -0.01	42.79 1.41 -0.06	56.21 1.94 -8.10	60.35 2.49 -0.01	68.82 3.28 0.00	63.46 3.19 -0.01	73.76 3.40 -11.76	62.97 3.50 -3.13	63.43 3.38 -7.22	63.19 3.07 -9.87	63.19 3.12 -11.29	64.47 3.26 -11.77	65.31 3.22 -11.77	66.40 3.53 -11.72	64.51 3.81 -4.73	94.59 4.17 -29.21	98.46 4.98 -24.34	94.87 4.39 -28.68	75.66 3.52 -18.03	60.96 3.01 -11.67	58.46 2.67 -11.24
ARTHUR_KILL_3 23513	55.64 1.52 -7.91	55.02 1.34 -11.69	54.99 1.07 -12.81	40.92 1.04 0.00	42.33 0.95 -0.05	55.70 1.43 -8.10	59.99 2.14 0.00	68.62 3.08 0.00	63.03 2.77 0.00	73.57 3.22 -11.76	62.68 3.21 -3.12	63.43 3.38 -7.21	63.18 3.07 -9.86	63.13 3.08 -11.28	64.36 3.17 -11.76	65.25 3.17 -11.76	66.24 3.38 -11.71	64.38 3.69 -4.72	94.34 3.92 -29.20	97.90 4.43 -24.33	94.62 4.14 -28.68	75.43 3.30 -18.02	60.54 2.59 -11.67	58.05 2.27 -11.23



ARTHUR_KILL_COGEN 323718	56.30 2.17 -7.91	55.66 1.97 -11.70	55.65 1.73 -12.82	41.41 1.52 -0.01	42.87 1.49 -0.06	56.35 2.08 -8.10	60.52 2.66 -0.01	69.01 3.47 0.00	63.64 3.37 -0.01	73.93 3.57 -11.76	63.09 3.61 -3.13	63.59 3.54 -7.22	63.34 3.22 -9.87	63.33 3.27 -11.29	64.57 3.36 -11.77	65.46 3.37 -11.77	66.51 3.63 -11.72	64.67 3.97 -4.73	94.77 4.35 -29.21	98.66 5.19 -24.34	95.12 4.64 -28.68	75.82 3.68 -18.03	61.06 3.10 -11.67	58.60 2.81 -11.24
ASHOKAN____ 23654	47.69 1.48 0.00	43.37 1.38 0.00	42.43 1.32 0.00	41.04 1.16 0.00	42.61 1.28 0.00	47.60 1.43 0.00	60.11 2.25 0.00	67.97 2.43 0.00	62.24 1.99 0.00	60.65 2.05 0.00	58.04 1.69 0.00	54.36 1.53 0.00	51.56 1.30 0.00	50.10 1.32 0.00	50.87 1.43 0.00	51.83 1.51 0.00	53.09 1.94 0.00	58.55 2.58 0.00	64.04 2.82 0.00	72.46 3.32 0.00	64.83 3.03 0.00	56.66 2.54 0.00	48.46 2.18 0.00	46.68 2.14 0.00
ASTORIA_EAST_ENERGY_CC1 323581	47.98 1.76 -0.01	43.55 1.55 -0.01	42.43 1.32 -0.01	41.00 1.12 0.00	42.40 1.07 0.00	47.78 1.62 0.01	59.99 2.14 0.01	68.61 3.08 0.01	63.14 2.89 0.01	61.99 3.40 0.01	59.67 3.32 0.01	56.31 3.49 0.01	53.42 3.17 0.01	51.99 3.22 0.01	52.74 3.31 0.01	53.58 3.27 0.01	54.67 3.53 0.01	59.71 3.75 0.01	65.25 4.04 0.01	73.69 4.56 0.01	66.06 4.26 0.01	57.57 3.47 0.01	49.01 2.73 0.01	46.96 2.40 -0.01
ASTORIA_EAST_ENERGY_CC2 323582	47.98 1.76 -0.01	43.55 1.55 -0.01	42.43 1.32 -0.01	41.00 1.12 0.00	42.40 1.07 0.00	47.78 1.62 0.01	59.99 2.14 0.01	68.61 3.08 0.01	63.14 2.89 0.01	61.99 3.40 0.01	59.67 3.32 0.01	56.31 3.49 0.01	53.42 3.17 0.01	51.99 3.22 0.01	52.74 3.31 0.01	53.58 3.27 0.01	54.67 3.53 0.01	59.71 3.75 0.01	65.25 4.04 0.01	73.69 4.56 0.01	66.06 4.26 0.01	57.57 3.47 0.01	49.01 2.73 0.01	46.96 2.40 -0.01
ASTORIA_GT2_1 24094	48.03 1.80 -0.01	43.59 1.60 -0.01	42.48 1.36 -0.01	40.96 1.08 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.05 2.20 0.00	68.69 3.15 0.00	63.21 2.95 0.00	61.99 3.40 0.01	59.78 3.44 0.01	56.31 3.49 0.01	53.41 3.17 0.01	52.04 3.27 0.01	52.73 3.31 0.01	53.63 3.32 0.01	54.72 3.58 0.01	59.94 3.97 0.01	65.31 4.10 0.01	73.77 4.63 0.00	66.06 4.26 0.01	57.57 3.46 0.01	49.05 2.78 0.01	47.00 2.45 -0.01
ASTORIA_GT2_2 24095	48.03 1.80 -0.01	43.59 1.60 -0.01	42.48 1.36 -0.01	40.96 1.08 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.05 2.20 0.00	68.69 3.15 0.00	63.21 2.95 0.00	61.99 3.40 0.01	59.78 3.44 0.01	56.31 3.49 0.01	53.41 3.17 0.01	52.04 3.27 0.01	52.73 3.31 0.01	53.63 3.32 0.01	54.72 3.58 0.01	59.94 3.97 0.01	65.31 4.10 0.01	73.77 4.63 0.00	66.06 4.26 0.01	57.57 3.46 0.01	49.05 2.78 0.01	47.00 2.45 -0.01
ASTORIA_GT2_3 24096	48.03 1.80 -0.01	43.59 1.60 -0.01	42.48 1.36 -0.01	40.96 1.08 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.05 2.20 0.00	68.69 3.15 0.00	63.21 2.95 0.00	61.99 3.40 0.01	59.78 3.44 0.01	56.31 3.49 0.01	53.41 3.17 0.01	52.04 3.27 0.01	52.73 3.31 0.01	53.63 3.32 0.01	54.72 3.58 0.01	59.94 3.97 0.01	65.31 4.10 0.01	73.77 4.63 0.00	66.06 4.26 0.01	57.57 3.46 0.01	49.05 2.78 0.01	47.00 2.45 -0.01
ASTORIA_GT2_4 24097	48.03 1.80 -0.01	43.59 1.60 -0.01	42.48 1.36 -0.01	40.96 1.08 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.05 2.20 0.00	68.69 3.15 0.00	63.21 2.95 0.00	61.99 3.40 0.01	59.78 3.44 0.01	56.31 3.49 0.01	53.41 3.17 0.01	52.04 3.27 0.01	52.73 3.31 0.01	53.63 3.32 0.01	54.72 3.58 0.01	59.94 3.97 0.01	65.31 4.10 0.01	73.77 4.63 0.00	66.06 4.26 0.01	57.57 3.46 0.01	49.05 2.78 0.01	47.00 2.45 -0.01
ASTORIA_GT3_1 24098	48.03 1.80 -0.01	43.59 1.60 -0.01	42.48 1.36 -0.01	40.96 1.08 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.05 2.20 0.00	68.69 3.15 0.00	63.21 2.95 0.00	61.99 3.40 0.01	59.78 3.44 0.01	56.31 3.49 0.01	53.41 3.17 0.01	52.04 3.27 0.01	52.73 3.31 0.01	53.63 3.32 0.01	54.72 3.58 0.01	59.94 3.97 0.01	65.31 4.10 0.01	73.77 4.63 0.00	66.06 4.26 0.01	57.57 3.46 0.01	49.05 2.78 0.01	47.00 2.45 -0.01
ASTORIA_GT3_2 24099	48.03 1.80 -0.01	43.59 1.60 -0.01	42.48 1.36 -0.01	40.96 1.08 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.05 2.20 0.00	68.69 3.15 0.00	63.21 2.95 0.00	61.99 3.40 0.01	59.78 3.44 0.01	56.31 3.49 0.01	53.41 3.17 0.01	52.04 3.27 0.01	52.73 3.31 0.01	53.63 3.32 0.01	54.72 3.58 0.01	59.94 3.97 0.01	65.31 4.10 0.01	73.77 4.63 0.00	66.06 4.26 0.01	57.57 3.46 0.01	49.05 2.78 0.01	47.00 2.45 -0.01
ASTORIA_GT3_3 24100	48.03 1.80 -0.01	43.59 1.60 -0.01	42.48 1.36 -0.01	40.96 1.08 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.05 2.20 0.00	68.69 3.15 0.00	63.21 2.95 0.00	61.99 3.40 0.01	59.78 3.44 0.01	56.31 3.49 0.01	53.41 3.17 0.01	52.04 3.27 0.01	52.73 3.31 0.01	53.63 3.32 0.01	54.72 3.58 0.01	59.94 3.97 0.01	65.31 4.10 0.01	73.77 4.63 0.00	66.06 4.26 0.01	57.57 3.46 0.01	49.05 2.78 0.01	47.00 2.45 -0.01
ASTORIA_GT3_4 24101	48.03 1.80 -0.01	43.59 1.60 -0.01	42.48 1.36 -0.01	40.96 1.08 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.05 2.20 0.00	68.69 3.15 0.00	63.21 2.95 0.00	61.99 3.40 0.01	59.78 3.44 0.01	56.31 3.49 0.01	53.41 3.17 0.01	52.04 3.27 0.01	52.73 3.31 0.01	53.63 3.32 0.01	54.72 3.58 0.01	59.94 3.97 0.01	65.31 4.10 0.01	73.77 4.63 0.00	66.06 4.26 0.01	57.57 3.46 0.01	49.05 2.78 0.01	47.00 2.45 -0.01
ASTORIA_GT4_1 24102	48.03 1.80 -0.01	43.59 1.60 -0.01	42.48 1.36 -0.01	40.96 1.08 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.05 2.20 0.00	68.69 3.15 0.00	63.21 2.95 0.00	61.99 3.40 0.01	59.78 3.44 0.01	56.31 3.49 0.01	53.41 3.17 0.01	52.04 3.27 0.01	52.73 3.31 0.01	53.63 3.32 0.01	54.72 3.58 0.01	59.94 3.97 0.01	65.31 4.10 0.01	73.77 4.63 0.00	66.06 4.26 0.01	57.57 3.46 0.01	49.05 2.78 0.01	47.00 2.45 -0.01
ASTORIA_GT4_2 24103	48.03 1.80 -0.01	43.59 1.60 -0.01	42.48 1.36 -0.01	40.96 1.08 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.05 2.20 0.00	68.69 3.15 0.00	63.21 2.95 0.00	61.99 3.40 0.01	59.78 3.44 0.01	56.31 3.49 0.01	53.41 3.17 0.01	52.04 3.27 0.01	52.73 3.31 0.01	53.63 3.32 0.01	54.72 3.58 0.01	59.94 3.97 0.01	65.31 4.10 0.01	73.77 4.63 0.00	66.06 4.26 0.01	57.57 3.46 0.01	49.05 2.78 0.01	47.00 2.45 -0.01
ASTORIA_GT4_3 24104	48.03 1.80 -0.01	43.59 1.60 -0.01	42.48 1.36 -0.01	40.96 1.08 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.05 2.20 0.00	68.69 3.15 0.00	63.21 2.95 0.00	61.99 3.40 0.01	59.78 3.44 0.01	56.31 3.49 0.01	53.41 3.17 0.01	52.04 3.27 0.01	52.73 3.31 0.01	53.63 3.32 0.01	54.72 3.58 0.01	59.94 3.97 0.01	65.31 4.10 0.01	73.77 4.63 0.00	66.06 4.26 0.01	57.57 3.46 0.01	49.05 2.78 0.01	47.00 2.45 -0.01



ASTORIA_GT4_4 24105	48.03 1.80 -0.01	43.59 1.60 -0.01	42.48 1.36 -0.01	40.96 1.08 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.05 2.20 0.00	68.69 3.15 0.00	63.21 2.95 0.00	61.99 3.40 0.01	59.78 3.44 0.01	56.31 3.49 0.01	53.41 3.17 0.01	52.04 3.27 0.01	52.73 3.31 0.01	53.63 3.32 0.01	54.72 3.58 0.01	59.94 3.97 0.01	65.31 4.10 0.01	73.77 4.63 0.00	66.06 4.26 0.01	57.57 3.46 0.01	49.05 2.78 0.01	47.00 2.45 -0.01
ASTORIA_GT_1 23523	48.07 1.85 -0.01	43.63 1.64 -0.01	42.52 1.40 -0.01	41.08 1.20 0.00	42.48 1.16 0.00	47.87 1.71 0.01	60.10 2.25 0.01	68.74 3.21 0.01	63.32 3.07 0.01	62.10 3.52 0.01	59.84 3.50 0.01	56.41 3.59 0.01	53.51 3.26 0.01	52.09 3.32 0.01	52.83 3.41 0.01	53.74 3.42 0.01	54.83 3.69 0.01	59.88 3.92 0.01	65.43 4.22 0.01	73.90 4.77 0.01	66.25 4.45 0.01	57.68 3.57 0.01	49.15 2.87 0.01	47.05 2.49 -0.01
ASTORIA_GT_10 24110	48.16 1.94 -0.01	43.72 1.72 -0.01	42.60 1.48 -0.01	41.12 1.24 0.00	42.61 1.28 0.00	48.01 1.85 0.00	60.40 2.55 0.00	69.01 3.47 0.00	63.51 3.25 0.00	64.15 3.69 -1.87	60.56 3.72 -0.49	61.15 3.70 -4.62	60.09 3.42 -6.42	61.20 3.46 -8.96	61.20 3.56 -8.21	60.23 3.57 -6.33	61.11 3.79 -6.18	65.67 4.25 -5.45	70.28 4.41 -4.65	74.11 4.98 0.00	70.88 4.51 -4.57	61.20 3.73 -3.35	49.68 2.96 -0.43	47.63 2.67 -0.41
ASTORIA_GT_11 24225	48.16 1.94 -0.01	43.72 1.72 -0.01	42.60 1.48 -0.01	41.12 1.24 0.00	42.61 1.28 0.00	48.01 1.85 0.00	60.40 2.55 0.00	69.01 3.47 0.00	63.51 3.25 0.00	64.15 3.69 -1.87	60.56 3.72 -0.49	61.15 3.70 -4.62	60.09 3.42 -6.42	61.20 3.46 -8.96	61.20 3.56 -8.21	60.23 3.57 -6.33	61.11 3.79 -6.18	65.67 4.25 -5.45	70.28 4.41 -4.65	74.11 4.98 0.00	70.88 4.51 -4.57	61.20 3.73 -3.35	49.68 2.96 -0.43	47.63 2.67 -0.41
ASTORIA_GT_12 24226	48.16 1.94 -0.01	43.72 1.72 -0.01	42.60 1.48 -0.01	41.12 1.24 0.00	42.61 1.28 0.00	48.01 1.85 0.00	60.40 2.55 0.00	69.01 3.47 0.00	63.51 3.25 0.00	64.15 3.69 -1.87	60.56 3.72 -0.49	61.15 3.70 -4.62	60.09 3.42 -6.42	61.20 3.46 -8.96	61.20 3.56 -8.21	60.23 3.57 -6.33	61.11 3.79 -6.18	65.67 4.25 -5.45	70.28 4.41 -4.65	74.11 4.98 0.00	70.88 4.51 -4.57	61.20 3.73 -3.35	49.68 2.96 -0.43	47.63 2.67 -0.41
ASTORIA_GT_13 24227	48.16 1.94 -0.01	43.72 1.72 -0.01	42.60 1.48 -0.01	41.12 1.24 0.00	42.61 1.28 0.00	48.01 1.85 0.00	60.40 2.55 0.00	69.01 3.47 0.00	63.51 3.25 0.00	64.15 3.69 -1.87	60.56 3.72 -0.49	61.15 3.70 -4.62	60.09 3.42 -6.42	61.20 3.46 -8.96	61.20 3.56 -8.21	60.23 3.57 -6.33	61.11 3.79 -6.18	65.67 4.25 -5.45	70.28 4.41 -4.65	74.11 4.98 0.00	70.88 4.51 -4.57	61.20 3.73 -3.35	49.68 2.96 -0.43	47.63 2.67 -0.41
ASTORIA_GT_5 24106	48.07 1.85 -0.01	43.63 1.64 -0.01	42.52 1.40 -0.01	41.04 1.16 0.00	42.49 1.16 0.00	47.88 1.71 0.00	60.11 2.26 0.00	68.75 3.21 0.00	63.33 3.07 0.00	62.10 3.52 0.01	59.90 3.55 0.01	56.41 3.59 0.01	53.51 3.27 0.01	52.14 3.37 0.01	52.83 3.41 0.01	53.74 3.42 0.01	54.83 3.68 0.01	60.05 4.09 0.01	65.44 4.22 0.01	73.91 4.77 0.00	66.18 4.39 0.01	57.68 3.57 0.01	49.10 2.82 0.01	47.09 2.54 -0.01
ASTORIA_GT_7 24107	48.07 1.85 -0.01	43.63 1.64 -0.01	42.52 1.40 -0.01	41.04 1.16 0.00	42.49 1.16 0.00	47.88 1.71 0.00	60.11 2.26 0.00	68.75 3.21 0.00	63.33 3.07 0.00	62.10 3.52 0.01	59.90 3.55 0.01	56.41 3.59 0.01	53.51 3.27 0.01	52.14 3.37 0.01	52.83 3.41 0.01	53.74 3.42 0.01	54.83 3.68 0.01	60.05 4.09 0.01	65.44 4.22 0.01	73.91 4.77 0.00	66.18 4.39 0.01	57.68 3.57 0.01	49.10 2.82 0.01	47.09 2.54 -0.01
ASTORIA_GT_8 24108	48.07 1.85 -0.01	43.63 1.64 -0.01	42.52 1.40 -0.01	41.04 1.16 0.00	42.49 1.16 0.00	47.88 1.71 0.00	60.11 2.26 0.00	68.75 3.21 0.00	63.33 3.07 0.00	62.10 3.52 0.01	59.90 3.55 0.01	56.41 3.59 0.01	53.51 3.27 0.01	52.14 3.37 0.01	52.83 3.41 0.01	53.74 3.42 0.01	54.83 3.68 0.01	60.05 4.09 0.01	65.44 4.22 0.01	73.91 4.77 0.00	66.18 4.39 0.01	57.68 3.57 0.01	49.10 2.82 0.01	47.09 2.54 -0.01
ASTORIA___2 24149	48.02 1.80 -0.01	43.59 1.60 -0.01	42.47 1.35 -0.01	41.00 1.12 0.00	42.45 1.12 0.00	47.78 1.62 0.01	60.04 2.20 0.01	68.68 3.15 0.01	63.20 2.95 0.01	61.99 3.40 0.01	59.73 3.38 0.01	56.31 3.49 0.01	53.42 3.17 0.01	51.99 3.22 0.01	52.74 3.31 0.01	53.63 3.32 0.01	54.72 3.58 0.01	59.77 3.81 0.01	65.31 4.10 0.01	73.76 4.63 0.01	66.12 4.32 0.01	57.57 3.47 0.01	49.05 2.78 0.01	47.00 2.45 -0.01
ASTORIA___3 23516	48.16 1.94 -0.01	43.72 1.72 -0.01	42.60 1.48 -0.01	41.16 1.28 0.00	42.61 1.28 0.00	48.02 1.85 0.00	60.40 2.54 0.00	69.01 3.47 0.00	63.51 3.25 0.00	64.16 3.69 -1.87	60.50 3.66 -0.49	61.20 3.75 -4.62	60.09 3.42 -6.42	61.20 3.46 -8.96	61.20 3.56 -8.21	60.23 3.57 -6.33	61.11 3.79 -6.18	65.50 4.08 -5.45	70.28 4.41 -4.65	74.12 4.98 0.00	70.94 4.57 -4.57	61.20 3.73 -3.35	49.68 2.96 -0.43	47.63 2.67 -0.41
ASTORIA___4 23517	48.16 1.94 -0.01	43.72 1.72 -0.01	42.60 1.48 -0.01	41.12 1.24 0.00	42.61 1.28 0.00	48.01 1.85 0.00	60.40 2.55 0.00	69.01 3.47 0.00	63.51 3.25 0.00	64.15 3.69 -1.87	60.56 3.72 -0.49	61.15 3.70 -4.62	60.09 3.42 -6.42	61.20 3.46 -8.96	61.20 3.56 -8.21	60.23 3.57 -6.33	61.11 3.79 -6.18	65.67 4.25 -5.45	70.22 4.35 -4.65	74.11 4.98 0.00	70.88 4.51 -4.57	61.20 3.73 -3.35	49.68 2.96 -0.43	47.63 2.67 -0.41
ASTORIA___5 23518	48.16 1.94 -0.01	43.72 1.72 -0.01	42.60 1.48 -0.01	41.16 1.28 0.00	42.61 1.28 0.00	48.02 1.85 0.00	60.40 2.54 0.00	69.01 3.47 0.00	63.51 3.25 0.00	64.16 3.69 -1.87	60.50 3.66 -0.49	61.20 3.75 -4.62	60.09 3.42 -6.42	61.20 3.46 -8.96	61.20 3.56 -8.21	60.23 3.57 -6.33	61.11 3.79 -6.18	65.50 4.08 -5.45	70.28 4.41 -4.65	74.12 4.98 0.00	70.94 4.57 -4.57	61.20 3.73 -3.35	49.68 2.96 -0.43	47.63 2.67 -0.41
AST_ENERGY_2_CC3 323677	47.83 1.62 0.00	43.42 1.43 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.40 1.07 0.00	47.74 1.57 0.00	60.11 2.25 0.00	68.75 3.21 0.00	63.21 2.95 0.00	61.93 3.34 0.00	59.68 3.32 0.00	56.26 3.43 0.00	53.37 3.12 0.00	51.95 3.17 0.00	52.69 3.26 0.00	53.59 3.27 0.00	54.63 3.48 0.00	59.78 3.81 0.00	65.26 4.04 0.00	73.77 4.63 0.00	66.06 4.26 0.00	57.53 3.41 0.00	48.97 2.68 0.00	46.91 2.36 0.00
AST_ENERGY_2_CC4 323678	47.83 1.62 0.00	43.42 1.43 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.40 1.07 0.00	47.74 1.57 0.00	60.11 2.25 0.00	68.75 3.21 0.00	63.21 2.95 0.00	61.93 3.34 0.00	59.68 3.32 0.00	56.26 3.43 0.00	53.37 3.12 0.00	51.95 3.17 0.00	52.69 3.26 0.00	53.59 3.27 0.00	54.63 3.48 0.00	59.78 3.81 0.00	65.26 4.04 0.00	73.77 4.63 0.00	66.06 4.26 0.00	57.53 3.41 0.00	48.97 2.68 0.00	46.91 2.36 0.00



ATHENS_STG_1 23668	46.86 0.65 0.00	42.57 0.59 0.00	41.64 0.53 0.00	40.40 0.52 0.00	41.83 0.50 0.00	46.81 0.65 0.00	58.72 0.87 0.00	66.59 1.05 0.00	61.22 0.96 0.00	59.77 1.17 0.00	57.54 1.19 0.00	54.09 1.27 0.00	51.36 1.10 0.00	49.90 1.12 0.00	50.57 1.14 0.00	51.48 1.16 0.00	52.48 1.33 0.00	57.42 1.45 0.00	62.75 1.53 0.00	70.79 1.66 0.00	63.41 1.60 0.00	55.47 1.35 0.00	47.39 1.11 0.00	45.53 0.98 0.00
ATHENS_STG_2 23670	46.86 0.65 0.00	42.57 0.59 0.00	41.64 0.53 0.00	40.40 0.52 0.00	41.83 0.50 0.00	46.81 0.65 0.00	58.72 0.87 0.00	66.59 1.05 0.00	61.22 0.96 0.00	59.77 1.17 0.00	57.54 1.19 0.00	54.09 1.27 0.00	51.36 1.10 0.00	49.90 1.12 0.00	50.57 1.14 0.00	51.48 1.16 0.00	52.48 1.33 0.00	57.42 1.45 0.00	62.75 1.53 0.00	70.79 1.66 0.00	63.41 1.60 0.00	55.47 1.35 0.00	47.39 1.11 0.00	45.53 0.98 0.00
ATHENS_STG_3 23677	46.86 0.65 0.00	42.57 0.59 0.00	41.64 0.53 0.00	40.40 0.52 0.00	41.83 0.50 0.00	46.81 0.65 0.00	58.72 0.87 0.00	66.59 1.05 0.00	61.22 0.96 0.00	59.77 1.17 0.00	57.54 1.19 0.00	54.09 1.27 0.00	51.36 1.10 0.00	49.90 1.12 0.00	50.57 1.14 0.00	51.48 1.16 0.00	52.48 1.33 0.00	57.42 1.45 0.00	62.75 1.53 0.00	70.79 1.66 0.00	63.41 1.60 0.00	55.47 1.35 0.00	47.39 1.11 0.00	45.53 0.98 0.00
AUBURN___LFGE 323710	46.77 0.55 0.00	42.49 0.50 0.00	41.65 0.53 0.00	40.36 0.48 0.00	41.82 0.50 0.00	46.68 0.51 0.00	58.66 0.81 0.00	66.46 0.92 0.00	60.98 0.72 0.00	59.01 0.41 0.00	56.64 0.28 0.00	52.93 0.11 0.00	50.46 0.20 0.00	48.88 0.10 0.00	49.53 0.10 0.00	50.47 0.15 0.00	51.20 0.05 0.00	55.91 -0.06 0.00	61.53 0.31 0.00	69.62 0.48 0.00	62.11 0.31 0.00	54.28 0.16 0.00	46.42 0.14 0.00	44.81 0.27 0.00
BABYLON_RES_REC 323704	48.11 1.90 0.00	43.42 1.43 0.00	42.18 1.07 0.00	40.68 0.80 0.00	42.20 0.87 0.00	47.83 1.66 0.00	58.90 1.04 0.00	67.31 1.77 0.00	62.24 1.99 0.00	60.41 1.82 0.00	58.55 2.20 0.00	55.53 2.69 -0.01	54.14 2.41 -1.47	54.33 2.53 -3.02	56.09 2.62 -4.04	57.11 2.62 -4.17	59.06 2.86 -5.05	62.58 3.19 -3.42	65.18 3.49 -0.47	72.81 3.66 -0.01	65.46 3.65 -0.01	60.20 3.08 -3.00	54.80 3.10 -5.42	47.50 2.94 -0.01
BABYLON___69_KV_BK2 356345	48.48 2.26 0.00	43.75 1.76 0.00	42.51 1.40 0.00	40.92 1.04 0.00	42.49 1.16 0.00	48.20 2.03 0.00	59.76 1.91 0.00	68.36 2.82 0.00	63.27 3.01 0.00	61.35 2.75 0.00	59.68 3.32 0.00	56.38 3.54 -0.01	54.96 3.27 -1.44	55.10 3.37 -2.96	56.85 3.46 -3.96	57.93 3.52 -4.09	59.88 3.79 -4.95	63.74 4.42 -3.35	66.27 4.59 -0.46	74.26 5.12 -0.01	66.51 4.70 -0.01	61.06 4.00 -2.94	55.11 3.52 -5.30	47.94 3.39 -0.01
BALL_HILL_WT_PWR 323825	48.30 2.08 0.00	43.62 1.64 0.00	42.92 1.81 0.00	41.64 1.75 0.00	43.19 1.86 0.00	47.60 1.43 0.00	59.01 1.16 0.00	68.42 2.88 0.00	60.26 0.00 0.00	57.78 -0.82 0.00	55.17 -1.19 0.00	51.56 -1.27 0.00	49.00 -1.25 0.00	46.98 -1.80 0.00	47.80 -1.63 0.00	48.71 -1.61 0.00	48.65 -2.51 0.00	52.33 -3.64 0.00	57.18 -4.04 0.00	64.85 -4.29 0.00	57.97 -3.83 0.00	50.97 -3.14 0.00	44.02 -2.27 0.00	43.30 -1.25 0.00
BARON_WINDS___WT_PWR 323822	47.37 1.16 0.00	42.91 0.92 0.00	42.18 1.07 0.00	40.88 1.00 0.00	42.40 1.07 0.00	47.00 0.83 0.00	58.60 0.75 0.00	65.48 -0.07 0.00	59.90 -0.36 0.00	57.25 -1.35 0.00	54.72 -1.64 0.00	51.24 -1.58 0.00	49.05 -1.21 0.00	47.22 -1.56 0.00	47.95 -1.48 0.00	48.91 -1.41 0.00	49.31 -1.84 0.00	53.45 -2.52 0.00	58.83 -2.39 0.00	66.37 -2.77 0.00	59.08 -2.72 0.00	51.68 -2.43 0.00	44.34 -1.94 0.00	43.21 -1.34 0.00
BARRETT_IC_1 23704	47.83 1.62 0.00	43.25 1.26 0.00	42.06 0.95 0.00	40.60 0.72 0.00	42.11 0.78 0.00	47.65 1.48 0.00	59.18 1.33 0.00	67.57 2.03 0.00	62.49 2.23 0.00	60.82 2.23 0.00	59.00 2.65 0.00	55.74 2.90 -0.01	54.20 2.61 -1.33	54.20 2.68 -2.74	55.82 2.72 -3.67	56.77 2.67 -3.79	58.65 2.91 -4.58	62.15 3.08 -3.10	65.01 3.36 -0.43	72.95 3.80 -0.01	65.39 3.58 -0.01	59.76 2.92 -2.72	53.79 2.59 -4.91	47.05 2.49 -0.01
BARRETT_IC_10 23701	47.83 1.62 0.00	43.25 1.26 0.00	42.06 0.95 0.00	40.60 0.72 0.00	42.11 0.78 0.00	47.65 1.48 0.00	59.18 1.33 0.00	67.57 2.03 0.00	62.49 2.23 0.00	60.82 2.23 0.00	59.00 2.65 0.00	55.74 2.90 -0.01	54.20 2.61 -1.33	54.20 2.68 -2.74	55.82 2.72 -3.67	56.77 2.67 -3.79	58.65 2.91 -4.58	62.15 3.08 -3.10	65.01 3.36 -0.43	72.95 3.80 -0.01	65.39 3.58 -0.01	59.76 2.92 -2.72	53.79 2.59 -4.91	47.05 2.49 -0.01
BARRETT_IC_11 23702	47.83 1.62 0.00	43.25 1.26 0.00	42.06 0.95 0.00	40.60 0.72 0.00	42.11 0.78 0.00	47.65 1.48 0.00	59.18 1.33 0.00	67.57 2.03 0.00	62.49 2.23 0.00	60.82 2.23 0.00	59.00 2.65 0.00	55.74 2.90 -0.01	54.20 2.61 -1.33	54.20 2.68 -2.74	55.82 2.72 -3.67	56.77 2.67 -3.79	58.65 2.91 -4.58	62.15 3.08 -3.10	65.01 3.36 -0.43	72.95 3.80 -0.01	65.39 3.58 -0.01	59.76 2.92 -2.72	53.79 2.59 -4.91	47.05 2.49 -0.01
BARRETT_IC_12 23703	47.83 1.62 0.00	43.25 1.26 0.00	42.06 0.95 0.00	40.60 0.72 0.00	42.11 0.78 0.00	47.65 1.48 0.00	59.18 1.33 0.00	67.57 2.03 0.00	62.49 2.23 0.00	60.82 2.23 0.00	59.00 2.65 0.00	55.74 2.90 -0.01	54.20 2.61 -1.33	54.20 2.68 -2.74	55.82 2.72 -3.67	56.77 2.67 -3.79	58.65 2.91 -4.58	62.15 3.08 -3.10	65.01 3.36 -0.43	72.95 3.80 -0.01	65.39 3.58 -0.01	59.76 2.92 -2.72	53.79 2.59 -4.91	47.05 2.49 -0.01
BARRETT_IC_2 23705	47.83 1.62 0.00	43.25 1.26 0.00	42.06 0.95 0.00	40.60 0.72 0.00	42.11 0.78 0.00	47.65 1.48 0.00	59.18 1.33 0.00	67.57 2.03 0.00	62.49 2.23 0.00	60.82 2.23 0.00	59.00 2.65 0.00	55.74 2.90 -0.01	54.20 2.61 -1.33	54.20 2.68 -2.74	55.82 2.72 -3.67	56.77 2.67 -3.79	58.65 2.91 -4.58	62.15 3.08 -3.10	65.01 3.36 -0.43	72.95 3.80 -0.01	65.39 3.58 -0.01	59.76 2.92 -2.72	53.79 2.59 -4.91	47.05 2.49 -0.01
BARRETT_IC_3 23706	47.83 1.62 0.00	43.25 1.26 0.00	42.06 0.95 0.00	40.60 0.72 0.00	42.11 0.78 0.00	47.65 1.48 0.00	59.18 1.33 0.00	67.57 2.03 0.00	62.49 2.23 0.00	60.82 2.23 0.00	59.00 2.65 0.00	55.74 2.90 -0.01	54.20 2.61 -1.33	54.20 2.68 -2.74	55.82 2.72 -3.67	56.77 2.67 -3.79	58.65 2.91 -4.58	62.15 3.08 -3.10	65.01 3.36 -0.43	72.95 3.80 -0.01	65.39 3.58 -0.01	59.76 2.92 -2.72	53.79 2.59 -4.91	47.05 2.49 -0.01
BARRETT_IC_4 23707	47.83 1.62 0.00	43.25 1.26 0.00	42.06 0.95 0.00	40.60 0.72 0.00	42.11 0.78 0.00	47.65 1.48 0.00	59.18 1.33 0.00	67.57 2.03 0.00	62.49 2.23 0.00	60.82 2.23 0.00	59.00 2.65 0.00	55.74 2.90 -0.01	54.20 2.61 -1.33	54.20 2.68 -2.74	55.82 2.72 -3.67	56.77 2.67 -3.79	58.65 2.91 -4.58	62.15 3.08 -3.10	65.01 3.36 -0.43	72.95 3.80 -0.01	65.39 3.58 -0.01	59.76 2.92 -2.72	53.79 2.59 -4.91	47.05 2.49 -0.01



BARRETT_IC_5 23708	47.83 1.62 0.00	43.25 1.26 0.00	42.06 0.95 0.00	40.60 0.72 0.00	42.11 0.78 0.00	47.65 1.48 0.00	59.18 1.33 0.00	67.57 2.03 0.00	62.49 2.23 0.00	60.82 2.23 0.00	59.00 2.65 0.00	55.74 2.90 -0.01	54.20 2.61 -1.33	54.20 2.68 -2.74	55.82 2.72 -3.67	56.77 2.67 -3.79	58.65 2.91 -4.58	62.15 3.08 -3.10	65.01 3.36 -0.43	72.95 3.80 -0.01	65.39 3.58 -0.01	59.76 2.92 -2.72	53.79 2.59 -4.91	47.05 2.49 -0.01
BARRETT_IC_6 23709	47.83 1.62 0.00	43.25 1.26 0.00	42.06 0.95 0.00	40.60 0.72 0.00	42.11 0.78 0.00	47.65 1.48 0.00	59.18 1.33 0.00	67.57 2.03 0.00	62.49 2.23 0.00	60.82 2.23 0.00	59.00 2.65 0.00	55.74 2.90 -0.01	54.20 2.61 -1.33	54.20 2.68 -2.74	55.82 2.72 -3.67	56.77 2.67 -3.79	58.65 2.91 -4.58	62.15 3.08 -3.10	65.01 3.36 -0.43	72.95 3.80 -0.01	65.39 3.58 -0.01	59.76 2.92 -2.72	53.79 2.59 -4.91	47.05 2.49 -0.01
BARRETT_IC_7 23710	47.83 1.62 0.00	43.25 1.26 0.00	42.06 0.95 0.00	40.56 0.68 0.00	42.11 0.79 0.00	47.65 1.48 0.00	59.18 1.33 0.00	67.57 2.03 0.00	62.49 2.23 0.00	60.82 2.23 0.00	59.12 2.76 0.00	55.74 2.91 -0.01	54.20 2.61 -1.33	54.20 2.68 -2.74	55.82 2.72 -3.67	56.77 2.67 -3.79	58.65 2.92 -4.58	62.32 3.25 -3.10	65.01 3.37 -0.43	72.95 3.80 -0.01	65.33 3.52 -0.01	59.76 2.92 -2.72	53.74 2.55 -4.91	47.05 2.49 -0.01
BARRETT_IC_8 23711	47.83 1.62 0.00	43.25 1.26 0.00	42.06 0.95 0.00	40.60 0.72 0.00	42.11 0.78 0.00	47.65 1.48 0.00	59.18 1.33 0.00	67.57 2.03 0.00	62.49 2.23 0.00	60.82 2.23 0.00	59.00 2.65 0.00	55.74 2.90 -0.01	54.20 2.61 -1.33	54.20 2.68 -2.74	55.82 2.72 -3.67	56.77 2.67 -3.79	58.65 2.91 -4.58	62.15 3.08 -3.10	65.01 3.36 -0.43	72.95 3.80 -0.01	65.39 3.58 -0.01	59.76 2.92 -2.72	53.79 2.59 -4.91	47.05 2.49 -0.01
BARRETT_IC_9 23700	47.83 1.62 0.00	43.25 1.26 0.00	42.06 0.95 0.00	40.60 0.72 0.00	42.11 0.78 0.00	47.65 1.48 0.00	59.18 1.33 0.00	67.57 2.03 0.00	62.49 2.23 0.00	60.82 2.23 0.00	59.00 2.65 0.00	55.74 2.90 -0.01	54.20 2.61 -1.33	54.20 2.68 -2.74	55.82 2.72 -3.67	56.77 2.67 -3.79	58.65 2.91 -4.58	62.15 3.08 -3.10	65.01 3.36 -0.43	72.95 3.80 -0.01	65.39 3.58 -0.01	59.76 2.92 -2.72	53.79 2.59 -4.91	47.05 2.49 -0.01
BARRETT___1 23545	47.83 1.62 0.00	43.25 1.26 0.00	42.06 0.95 0.00	40.60 0.72 0.00	42.11 0.78 0.00	47.65 1.48 0.00	59.18 1.33 0.00	67.57 2.03 0.00	62.49 2.23 0.00	60.82 2.23 0.00	59.00 2.65 0.00	55.74 2.90 -0.01	54.20 2.61 -1.33	54.20 2.68 -2.74	55.82 2.72 -3.67	56.77 2.67 -3.79	58.65 2.91 -4.58	62.15 3.08 -3.10	65.01 3.36 -0.43	72.95 3.80 -0.01	65.39 3.58 -0.01	59.76 2.92 -2.72	53.79 2.59 -4.91	47.05 2.49 -0.01
BARRETT___2 23546	47.83 1.62 0.00	43.25 1.26 0.00	42.06 0.95 0.00	40.60 0.72 0.00	42.11 0.78 0.00	47.65 1.48 0.00	59.18 1.33 0.00	67.57 2.03 0.00	62.49 2.23 0.00	60.82 2.23 0.00	59.00 2.65 0.00	55.74 2.90 -0.01	54.20 2.61 -1.33	54.20 2.68 -2.74	55.82 2.72 -3.67	56.77 2.67 -3.79	58.65 2.91 -4.58	62.15 3.08 -3.10	65.01 3.36 -0.43	72.95 3.80 -0.01	65.39 3.58 -0.01	59.76 2.92 -2.72	53.79 2.59 -4.91	47.05 2.49 -0.01
BATAVIA__115KV_TB1 55881	47.88 1.66 0.00	43.54 1.55 0.00	42.63 1.52 0.00	41.60 1.71 0.00	42.86 1.53 0.00	47.51 1.34 0.00	58.89 1.04 0.00	65.61 0.07 0.00	60.56 0.30 0.00	58.07 -0.53 0.00	55.45 -0.90 0.00	51.61 -1.22 0.00	49.55 -0.70 0.00	47.66 -1.12 0.00	48.59 -0.84 0.00	49.47 -0.86 0.00	49.31 -1.84 0.00	53.23 -2.74 0.00	58.10 -3.12 0.00	66.03 -3.11 0.00	59.21 -2.60 0.00	51.68 -2.44 0.00	44.85 -1.43 0.00	43.92 -0.62 0.00
BAYONEEC___CTG1 323682	47.88 1.66 0.00	43.42 1.43 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.40 1.07 0.00	47.74 1.57 0.00	60.17 2.32 0.00	68.75 3.21 0.00	63.21 2.95 0.00	61.93 3.34 0.00	59.68 3.32 0.00	56.31 3.49 0.00	53.42 3.17 0.00	51.95 3.17 0.00	52.74 3.31 0.00	53.59 3.27 0.00	54.68 3.53 0.00	59.78 3.81 0.00	65.26 4.04 0.00	73.77 4.63 0.00	66.06 4.26 0.00	57.53 3.41 0.00	48.97 2.68 0.00	46.91 2.36 0.00
BAYONEEC___CTG10 323750	47.88 1.66 0.00	43.42 1.43 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.40 1.07 0.00	47.74 1.57 0.00	60.17 2.32 0.00	68.75 3.21 0.00	63.21 2.95 0.00	61.93 3.34 0.00	59.68 3.32 0.00	56.31 3.49 0.00	53.42 3.17 0.00	51.95 3.17 0.00	52.74 3.31 0.00	53.59 3.27 0.00	54.68 3.53 0.00	59.78 3.81 0.00	65.26 4.04 0.00	73.77 4.63 0.00	66.06 4.26 0.00	57.53 3.41 0.00	48.97 2.68 0.00	46.91 2.36 0.00
BAYONEEC___CTG2 323683	47.88 1.66 0.00	43.42 1.43 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.40 1.07 0.00	47.74 1.57 0.00	60.17 2.32 0.00	68.75 3.21 0.00	63.21 2.95 0.00	61.93 3.34 0.00	59.68 3.32 0.00	56.31 3.49 0.00	53.42 3.17 0.00	51.95 3.17 0.00	52.74 3.31 0.00	53.59 3.27 0.00	54.68 3.53 0.00	59.78 3.81 0.00	65.26 4.04 0.00	73.77 4.63 0.00	66.06 4.26 0.00	57.53 3.41 0.00	48.97 2.68 0.00	46.91 2.36 0.00
BAYONEEC___CTG3 323684	47.88 1.66 0.00	43.42 1.43 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.40 1.07 0.00	47.74 1.57 0.00	60.17 2.32 0.00	68.75 3.21 0.00	63.21 2.95 0.00	61.93 3.34 0.00	59.68 3.32 0.00	56.31 3.49 0.00	53.42 3.17 0.00	51.95 3.17 0.00	52.74 3.31 0.00	53.59 3.27 0.00	54.68 3.53 0.00	59.78 3.81 0.00	65.26 4.04 0.00	73.77 4.63 0.00	66.06 4.26 0.00	57.53 3.41 0.00	48.97 2.68 0.00	46.91 2.36 0.00
BAYONEEC___CTG4 323685	47.88 1.66 0.00	43.42 1.43 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.40 1.07 0.00	47.74 1.57 0.00	60.17 2.32 0.00	68.75 3.21 0.00	63.21 2.95 0.00	61.93 3.34 0.00	59.68 3.32 0.00	56.31 3.49 0.00	53.42 3.17 0.00	51.95 3.17 0.00	52.74 3.31 0.00	53.59 3.27 0.00	54.68 3.53 0.00	59.78 3.81 0.00	65.26 4.04 0.00	73.77 4.63 0.00	66.06 4.26 0.00	57.53 3.41 0.00	48.97 2.68 0.00	46.91 2.36 0.00
BAYONEEC___CTG5 323686	47.88 1.66 0.00	43.42 1.43 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.40 1.07 0.00	47.74 1.57 0.00	60.17 2.32 0.00	68.75 3.21 0.00	63.21 2.95 0.00	61.93 3.34 0.00	59.68 3.32 0.00	56.31 3.49 0.00	53.42 3.17 0.00	51.95 3.17 0.00	52.74 3.31 0.00	53.59 3.27 0.00	54.68 3.53 0.00	59.78 3.81 0.00	65.26 4.04 0.00	73.77 4.63 0.00	66.06 4.26 0.00	57.53 3.41 0.00	48.97 2.68 0.00	46.91 2.36 0.00
BAYONEEC___CTG6 323687	47.88 1.66 0.00	43.42 1.43 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.40 1.07 0.00	47.74 1.57 0.00	60.17 2.32 0.00	68.75 3.21 0.00	63.21 2.95 0.00	61.93 3.34 0.00	59.68 3.32 0.00	56.31 3.49 0.00	53.42 3.17 0.00	51.95 3.17 0.00	52.74 3.31 0.00	53.59 3.27 0.00	54.68 3.53 0.00	59.78 3.81 0.00	65.26 4.04 0.00	73.77 4.63 0.00	66.06 4.26 0.00	57.53 3.41 0.00	48.97 2.68 0.00	46.91 2.36 0.00



BAYONEEC___CTG7 323688	47.88 1.66 0.00	43.42 1.43 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.40 1.07 0.00	47.74 1.57 0.00	60.17 2.32 0.00	68.75 3.21 0.00	63.21 2.95 0.00	61.93 3.34 0.00	59.68 3.32 0.00	56.31 3.49 0.00	53.42 3.17 0.00	51.95 3.17 0.00	52.74 3.31 0.00	53.59 3.27 0.00	54.68 3.53 0.00	59.78 3.81 0.00	65.26 4.04 0.00	73.77 4.63 0.00	66.06 4.26 0.00	57.53 3.41 0.00	48.97 2.68 0.00	46.91 2.36 0.00
BAYONEEC___CTG8 323689	47.88 1.66 0.00	43.42 1.43 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.40 1.07 0.00	47.74 1.57 0.00	60.17 2.32 0.00	68.75 3.21 0.00	63.21 2.95 0.00	61.93 3.34 0.00	59.68 3.32 0.00	56.31 3.49 0.00	53.42 3.17 0.00	51.95 3.17 0.00	52.74 3.31 0.00	53.59 3.27 0.00	54.68 3.53 0.00	59.78 3.81 0.00	65.26 4.04 0.00	73.77 4.63 0.00	66.06 4.26 0.00	57.53 3.41 0.00	48.97 2.68 0.00	46.91 2.36 0.00
BAYONEEC___CTG9 323749	47.88 1.66 0.00	43.42 1.43 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.40 1.07 0.00	47.74 1.57 0.00	60.17 2.32 0.00	68.75 3.21 0.00	63.21 2.95 0.00	61.93 3.34 0.00	59.68 3.32 0.00	56.31 3.49 0.00	53.42 3.17 0.00	51.95 3.17 0.00	52.74 3.31 0.00	53.59 3.27 0.00	54.68 3.53 0.00	59.78 3.81 0.00	65.26 4.04 0.00	73.77 4.63 0.00	66.06 4.26 0.00	57.53 3.41 0.00	48.97 2.68 0.00	46.91 2.36 0.00
BEACON___LESR 323632	46.49 0.28 0.00	42.28 0.30 0.00	41.40 0.29 0.00	40.20 0.32 0.00	41.66 0.33 0.00	46.49 0.33 0.00	58.49 0.64 0.00	66.33 0.79 0.00	61.04 0.78 0.00	59.48 0.88 0.00	57.20 0.85 0.00	53.72 0.90 0.00	50.96 0.70 0.00	49.51 0.73 0.00	50.12 0.69 0.00	51.08 0.76 0.00	52.17 1.02 0.00	57.15 1.18 0.00	62.57 1.35 0.00	70.52 1.38 0.00	63.16 1.36 0.00	55.09 0.98 0.00	47.07 0.79 0.00	45.35 0.80 0.00
BEAVER RIVER___HYD 24048	45.84 -0.37 0.00	41.74 -0.25 0.00	40.83 -0.29 0.00	39.72 -0.16 0.00	41.29 -0.04 0.00	46.31 0.14 0.00	58.37 0.52 0.00	66.33 0.79 0.00	60.50 0.24 0.00	58.25 -0.35 0.00	55.74 -0.62 0.00	51.98 -0.85 0.00	49.55 -0.70 0.00	48.10 -0.68 0.00	48.64 -0.79 0.00	49.57 -0.75 0.00	50.07 -1.08 0.00	55.07 -0.90 0.00	60.49 -0.73 0.00	68.66 -0.48 0.00	61.31 -0.50 0.00	53.47 -0.65 0.00	45.59 -0.69 0.00	43.83 -0.71 0.00
BEEBEE_GT_13 23619	46.86 0.65 0.00	42.45 0.46 0.00	41.69 0.58 0.00	40.48 0.60 0.00	41.91 0.58 0.00	46.63 0.46 0.00	58.08 0.23 0.00	65.28 -0.26 0.00	60.26 0.00 0.00	58.13 -0.47 0.00	55.68 -0.68 0.00	51.93 -0.90 0.00	49.75 -0.50 0.00	48.05 -0.73 0.00	48.84 -0.59 0.00	49.77 -0.55 0.00	49.92 -1.23 0.00	54.18 -1.79 0.00	59.44 -1.78 0.00	67.34 -1.80 0.00	60.32 -1.48 0.00	52.65 -1.46 0.00	45.40 -0.88 0.00	44.10 -0.45 0.00
BENSHRST_27_KV_BENSHRST_1 355998	56.62 2.50 -7.91	55.87 2.18 -11.70	55.86 1.93 -12.82	41.57 1.68 -0.01	43.08 1.69 -0.06	56.63 2.35 -8.10	61.04 3.18 -0.01	69.80 4.26 0.00	64.18 3.92 -0.01	76.07 4.28 -13.20	64.13 4.28 -3.49	89.59 4.17 -32.59	70.05 3.87 -15.92	99.02 3.95 -46.28	99.02 4.05 -45.53	98.97 4.03 -44.63	98.99 4.30 -43.55	99.24 4.87 -38.40	99.09 5.08 -32.79	99.35 5.88 -24.34	99.26 5.25 -32.20	82.00 4.22 -23.67	61.43 3.47 -11.67	58.95 3.16 -11.24
BETHLEHEM___GRP 23843	45.80 -0.42 0.00	41.69 -0.29 0.00	40.78 -0.33 0.00	39.64 -0.24 0.00	41.08 -0.25 0.00	45.80 -0.37 0.00	57.45 -0.40 0.00	65.15 -0.39 0.00	59.96 -0.30 0.00	58.48 -0.12 0.00	56.35 0.00 0.00	52.83 0.00 0.00	50.11 -0.15 0.00	48.73 -0.05 0.00	49.38 -0.05 0.00	50.27 -0.05 0.00	51.30 0.15 0.00	56.25 0.28 0.00	61.47 0.24 0.00	69.28 0.14 0.00	62.05 0.25 0.00	54.22 0.11 0.00	46.38 0.09 0.00	44.68 0.13 0.00
BETHLEHEM___GS1 323560	45.80 -0.42 0.00	41.70 -0.29 0.00	40.78 -0.33 0.00	39.64 -0.24 0.00	41.08 -0.25 0.00	45.80 -0.37 0.00	57.45 -0.40 0.00	65.15 -0.39 0.00	59.96 -0.30 0.00	58.48 -0.12 0.00	56.30 -0.06 0.00	52.88 0.05 0.00	50.11 -0.15 0.00	48.68 -0.10 0.00	49.38 -0.05 0.00	50.27 -0.05 0.00	51.31 0.15 0.00	56.19 0.22 0.00	61.47 0.25 0.00	69.28 0.14 0.00	62.05 0.25 0.00	54.22 0.11 0.00	46.38 0.09 0.00	44.68 0.13 0.00
BETHLEHEM___GS2 323561	45.80 -0.42 0.00	41.70 -0.29 0.00	40.78 -0.33 0.00	39.64 -0.24 0.00	41.08 -0.25 0.00	45.80 -0.37 0.00	57.45 -0.40 0.00	65.15 -0.39 0.00	59.96 -0.30 0.00	58.48 -0.12 0.00	56.30 -0.06 0.00	52.88 0.05 0.00	50.11 -0.15 0.00	48.68 -0.10 0.00	49.38 -0.05 0.00	50.27 -0.05 0.00	51.31 0.15 0.00	56.19 0.22 0.00	61.47 0.25 0.00	69.28 0.14 0.00	62.05 0.25 0.00	54.22 0.11 0.00	46.38 0.09 0.00	44.68 0.13 0.00
BETHLEHEM___GS3 323562	45.80 -0.42 0.00	41.70 -0.29 0.00	40.78 -0.33 0.00	39.64 -0.24 0.00	41.08 -0.25 0.00	45.80 -0.37 0.00	57.45 -0.40 0.00	65.15 -0.39 0.00	59.96 -0.30 0.00	58.48 -0.12 0.00	56.30 -0.06 0.00	52.88 0.05 0.00	50.11 -0.15 0.00	48.68 -0.10 0.00	49.38 -0.05 0.00	50.27 -0.05 0.00	51.31 0.15 0.00	56.19 0.22 0.00	61.47 0.25 0.00	69.28 0.14 0.00	62.05 0.25 0.00	54.22 0.11 0.00	46.38 0.09 0.00	44.68 0.13 0.00
BETHLEHEM___STEEL 23779	47.79 1.57 0.00	43.12 1.13 0.00	42.43 1.32 0.00	41.32 1.44 0.00	42.69 1.36 0.00	47.00 0.83 0.00	57.97 0.12 0.00	63.84 -1.70 0.00	59.47 -0.78 0.00	57.07 -1.52 0.00	54.72 -1.63 0.00	51.19 -1.64 0.00	49.10 -1.16 0.00	46.93 -1.85 0.00	47.90 -1.53 0.00	48.76 -1.56 0.00	48.54 -2.61 0.00	51.88 -4.09 0.00	57.00 -4.22 0.00	64.71 -4.42 0.00	57.85 -3.96 0.00	50.65 -3.46 0.00	44.06 -2.22 0.00	43.39 -1.16 0.00
BETHLHEM_115KV_TB1 79974	45.94 -0.28 0.00	41.82 -0.17 0.00	40.95 -0.16 0.00	39.76 -0.12 0.00	41.20 -0.12 0.00	45.94 -0.23 0.00	57.68 -0.17 0.00	65.41 -0.13 0.00	60.14 -0.12 0.00	58.65 0.06 0.00	56.52 0.17 0.00	53.04 0.21 0.00	50.31 0.05 0.00	48.88 0.10 0.00	49.53 0.10 0.00	50.42 0.10 0.00	51.41 0.26 0.00	56.42 0.45 0.00	61.65 0.43 0.00	69.48 0.35 0.00	62.23 0.43 0.00	54.39 0.27 0.00	46.52 0.23 0.00	44.81 0.27 0.00
BETHPAGE_CC_5 323564	48.20 1.99 0.00	43.54 1.55 0.00	42.34 1.23 0.00	40.84 0.96 0.00	42.36 1.03 0.00	47.97 1.80 0.00	59.53 1.68 0.00	68.09 2.55 0.00	63.03 2.77 0.00	61.24 2.64 0.00	59.34 2.98 0.00	56.17 3.33 -0.01	54.83 3.02 -1.56	55.06 3.08 -3.20	56.89 3.17 -4.29	57.92 3.17 -4.43	59.94 3.43 -5.36	63.41 3.81 -3.63	65.82 4.10 -0.50	73.78 4.63 -0.01	66.07 4.26 -0.01	60.87 3.57 -3.19	55.13 3.10 -5.75	47.54 2.99 -0.01
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	47.83 1.62 0.00	43.16 1.18 0.00	42.47 1.36 0.00	41.36 1.48 0.00	42.73 1.41 0.00	47.05 0.88 0.00	58.08 0.23 0.00	63.97 -1.57 0.00	59.60 -0.66 0.00	57.19 -1.41 0.00	54.78 -1.58 0.00	51.24 -1.58 0.00	49.15 -1.11 0.00	46.98 -1.80 0.00	47.95 -1.48 0.00	48.81 -1.51 0.00	48.59 -2.56 0.00	52.00 -3.97 0.00	57.06 -4.16 0.00	64.78 -4.36 0.00	57.85 -3.96 0.00	50.60 -3.52 0.00	44.06 -2.22 0.00	43.39 -1.16 0.00



BINGHAMTON___COGEN 23790	47.00 0.79 0.00	42.66 0.67 0.00	41.85 0.74 0.00	40.60 0.72 0.00	42.07 0.74 0.00	46.81 0.65 0.00	58.72 0.87 0.00	66.33 0.79 0.00	60.92 0.66 0.00	58.89 0.29 0.00	56.58 0.23 0.00	52.93 0.11 0.00	50.46 0.20 0.00	48.78 0.00 0.00	49.53 0.10 0.00	50.42 0.10 0.00	51.10 -0.05 0.00	55.69 -0.28 0.00	61.10 -0.12 0.00	69.14 0.00 0.00	61.68 -0.12 0.00	54.01 -0.11 0.00	46.28 0.00 0.00	44.77 0.22 0.00
BIXINCNT_115KV_LOAD 355685	48.16 1.94 0.00	43.46 1.47 0.00	42.76 1.64 0.00	41.64 1.75 0.00	43.02 1.69 0.00	47.41 1.25 0.00	58.84 0.98 0.00	65.15 -0.39 0.00	60.38 0.12 0.00	57.83 -0.76 0.00	55.28 -1.07 0.00	51.61 -1.22 0.00	49.50 -0.75 0.00	47.27 -1.51 0.00	48.15 -1.29 0.00	48.76 -1.56 0.00	48.44 -2.71 0.00	51.88 -4.09 0.00	56.63 -4.59 0.00	63.47 -5.67 0.00	56.30 -5.50 0.00	49.24 -4.87 0.00	42.77 -3.52 0.00	42.45 -2.09 0.00
BLACK RIVER___HYD 24047	46.22 0.00 0.00	42.11 0.13 0.00	41.19 0.08 0.00	40.04 0.16 0.00	41.66 0.33 0.00	46.81 0.65 0.00	59.12 1.27 0.00	67.31 1.77 0.00	61.22 0.96 0.00	58.65 0.06 0.00	56.02 -0.34 0.00	52.20 -0.63 0.00	49.80 -0.45 0.00	48.29 -0.49 0.00	48.84 -0.59 0.00	49.77 -0.55 0.00	50.33 -0.82 0.00	55.47 -0.50 0.00	61.28 0.06 0.00	69.90 0.76 0.00	62.36 0.55 0.00	54.33 0.22 0.00	46.24 -0.05 0.00	44.46 -0.09 0.00
BLACKRVR_115KV_TB2 79977	46.22 0.00 0.00	42.11 0.13 0.00	41.19 0.08 0.00	40.08 0.20 0.00	41.66 0.33 0.00	46.81 0.65 0.00	59.13 1.27 0.00	67.31 1.77 0.00	61.22 0.96 0.00	58.65 0.06 0.00	56.02 -0.34 0.00	52.25 -0.58 0.00	49.80 -0.45 0.00	48.24 -0.54 0.00	48.84 -0.59 0.00	49.77 -0.55 0.00	50.33 -0.82 0.00	55.41 -0.56 0.00	61.28 0.06 0.00	69.90 0.76 0.00	62.36 0.56 0.00	54.33 0.22 0.00	46.24 -0.05 0.00	44.46 -0.09 0.00
BLISS_WT_PWR 323608	48.16 1.94 0.00	43.50 1.51 0.00	42.80 1.69 0.00	41.52 1.64 0.00	43.10 1.78 0.00	47.51 1.34 0.00	58.90 1.04 0.00	65.21 -0.33 0.00	60.44 0.18 0.00	57.90 -0.70 0.00	55.17 -1.19 0.00	51.51 -1.32 0.00	49.55 -0.70 0.00	47.47 -1.31 0.00	48.20 -1.23 0.00	48.81 -1.51 0.00	48.34 -2.81 0.00	52.00 -3.97 0.00	56.38 -4.84 0.00	62.98 -6.15 0.00	55.75 -6.05 0.00	49.03 -5.09 0.00	42.35 -3.93 0.00	42.14 -2.41 0.00
BLUESTONE___WT_PWR 323821	48.99 2.77 0.00	44.63 2.65 0.00	43.74 2.63 0.00	42.47 2.59 0.00	44.14 2.81 0.00	49.40 3.23 0.00	62.25 4.39 0.00	70.59 5.05 0.00	64.54 4.28 0.00	62.05 3.46 0.00	59.34 2.98 0.00	55.42 2.59 0.00	52.82 2.56 0.00	51.07 2.29 0.00	51.75 2.32 0.00	52.74 2.42 0.00	53.56 2.40 0.00	58.60 2.63 0.00	64.52 3.30 0.00	73.35 4.22 0.00	65.32 3.52 0.00	57.04 2.92 0.00	48.64 2.36 0.00	46.95 2.40 0.00
BLUE_CIRC_CHEM_DRP 24182	46.63 0.42 0.00	42.41 0.42 0.00	41.56 0.45 0.00	40.32 0.44 0.00	41.82 0.50 0.00	46.63 0.46 0.00	58.49 0.64 0.00	66.26 0.72 0.00	60.92 0.66 0.00	59.30 0.70 0.00	56.97 0.62 0.00	53.41 0.58 0.00	50.66 0.40 0.00	49.22 0.44 0.00	49.88 0.44 0.00	50.82 0.50 0.00	51.82 0.66 0.00	56.87 0.90 0.00	62.26 1.04 0.00	70.17 1.04 0.00	62.85 1.05 0.00	54.93 0.81 0.00	47.02 0.74 0.00	45.26 0.71 0.00
BOC_GAS_DRP 24189	46.40 0.18 0.00	42.20 0.21 0.00	41.32 0.21 0.00	40.08 0.20 0.00	41.54 0.21 0.00	46.40 0.23 0.00	58.20 0.35 0.00	66.00 0.46 0.00	60.68 0.42 0.00	59.18 0.59 0.00	56.97 0.62 0.00	53.46 0.63 0.00	50.76 0.50 0.00	49.32 0.54 0.00	49.97 0.54 0.00	50.87 0.55 0.00	51.87 0.72 0.00	56.81 0.84 0.00	62.08 0.86 0.00	70.04 0.90 0.00	62.67 0.87 0.00	54.82 0.70 0.00	46.89 0.60 0.00	45.13 0.58 0.00
BOONVILLE_115KV_TB1 79983	46.82 0.60 0.00	42.62 0.63 0.00	41.73 0.62 0.00	40.52 0.64 0.00	42.07 0.74 0.00	47.14 0.97 0.00	59.30 1.45 0.00	67.38 1.84 0.00	61.64 1.39 0.00	59.53 0.94 0.00	57.14 0.79 0.00	53.41 0.58 0.00	50.86 0.60 0.00	49.32 0.54 0.00	49.97 0.54 0.00	50.87 0.55 0.00	51.56 0.41 0.00	56.53 0.56 0.00	62.02 0.80 0.00	70.31 1.18 0.00	62.73 0.93 0.00	54.76 0.65 0.00	46.70 0.42 0.00	44.95 0.40 0.00
BORALEX_4TH_BRANCH 23824	47.42 1.20 0.00	43.04 1.05 0.00	42.06 0.95 0.00	40.80 0.92 0.00	42.32 0.99 0.00	47.46 1.29 0.00	59.01 1.16 0.00	66.85 1.31 0.00	61.58 1.33 0.00	60.06 1.46 0.00	57.93 1.58 0.00	54.31 1.48 0.00	51.31 1.06 0.00	49.85 1.07 0.00	50.52 1.09 0.00	51.48 1.16 0.00	52.58 1.43 0.00	57.82 1.85 0.00	63.12 1.90 0.00	71.21 2.07 0.00	63.78 1.98 0.00	55.79 1.68 0.00	47.81 1.53 0.00	45.88 1.34 0.00
BOWLINE___1 23526	47.32 1.11 0.00	42.95 0.97 0.00	41.93 0.82 0.00	40.64 0.76 0.00	42.07 0.74 0.00	47.23 1.06 0.00	59.47 1.62 0.00	67.77 2.23 0.00	62.37 2.11 0.00	61.00 2.40 0.00	58.72 2.37 0.00	55.31 2.48 0.00	52.46 2.21 0.00	51.03 2.25 0.00	51.75 2.32 0.00	52.64 2.32 0.00	53.71 2.56 0.00	58.77 2.80 0.00	64.22 3.00 0.00	72.59 3.46 0.00	64.95 3.15 0.00	56.66 2.54 0.00	48.32 2.03 0.00	46.33 1.78 0.00
BOWLINE___2 23595	47.32 1.11 0.00	42.95 0.97 0.00	41.93 0.82 0.00	40.64 0.76 0.00	42.07 0.74 0.00	47.23 1.06 0.00	59.47 1.62 0.00	67.77 2.23 0.00	62.37 2.11 0.00	61.00 2.40 0.00	58.72 2.37 0.00	55.31 2.48 0.00	52.46 2.21 0.00	51.03 2.25 0.00	51.75 2.32 0.00	52.69 2.37 0.00	53.71 2.56 0.00	58.77 2.80 0.00	64.22 3.00 0.00	72.59 3.46 0.00	64.95 3.15 0.00	56.66 2.54 0.00	48.32 2.03 0.00	46.33 1.78 0.00
BRADY___115KV_TB2 356060	46.68 0.46 0.00	42.49 0.50 0.00	41.52 0.41 0.00	40.44 0.56 0.00	41.91 0.58 0.00	46.95 0.78 0.00	58.66 0.81 0.00	66.33 0.79 0.00	60.68 0.42 0.00	58.95 0.35 0.00	56.47 0.11 0.00	52.88 0.05 0.00	50.46 0.20 0.00	49.02 0.24 0.00	49.63 0.20 0.00	50.52 0.20 0.00	51.30 0.15 0.00	56.25 0.28 0.00	61.40 0.18 0.00	69.55 0.41 0.00	62.11 0.31 0.00	54.60 0.49 0.00	46.65 0.37 0.00	44.95 0.40 0.00
BRANSCOMB___SOLAR 323811	47.69 1.48 0.00	43.25 1.26 0.00	42.39 1.28 0.00	41.08 1.20 0.00	42.65 1.32 0.00	47.74 1.57 0.00	59.93 2.08 0.00	67.97 2.43 0.00	62.42 2.17 0.00	60.70 2.11 0.00	58.21 1.86 0.00	54.57 1.74 0.00	51.71 1.46 0.00	50.14 1.36 0.00	50.81 1.38 0.00	51.83 1.51 0.00	52.99 1.84 0.00	58.21 2.24 0.00	63.85 2.63 0.00	72.04 2.90 0.00	64.59 2.78 0.00	56.17 2.06 0.00	48.00 1.71 0.00	46.15 1.60 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	48.11 1.89 0.00	43.41 1.43 0.00	42.18 1.07 0.00	40.60 0.72 0.00	42.16 0.83 0.00	47.83 1.66 0.00	59.18 1.33 0.00	67.70 2.16 0.00	62.67 2.41 0.00	60.76 2.17 0.00	59.17 2.82 0.00	55.90 3.06 -0.01	54.45 2.86 -1.33	54.49 2.98 -2.74	56.11 3.02 -3.67	57.17 3.07 -3.78	59.00 3.27 -4.58	62.93 3.86 -3.10	65.56 3.92 -0.43	73.57 4.42 -0.01	65.83 4.02 -0.01	60.30 3.46 -2.72	54.29 3.10 -4.91	47.58 3.03 -0.01



BRISTLHL_115KV_TB1 79998	45.71 -0.51 0.00	41.48 -0.50 0.00	40.66 -0.45 0.00	39.36 -0.52 0.00	40.83 -0.50 0.00	45.57 -0.60 0.00	57.22 -0.64 0.00	64.82 -0.72 0.00	59.60 -0.66 0.00	57.78 -0.82 0.00	55.51 -0.85 0.00	51.93 -0.90 0.00	49.45 -0.80 0.00	47.95 -0.83 0.00	48.59 -0.84 0.00	49.47 -0.86 0.00	50.23 -0.92 0.00	54.91 -1.06 0.00	60.30 -0.92 0.00	68.17 -0.97 0.00	60.87 -0.93 0.00	53.25 -0.87 0.00	45.54 -0.74 0.00	43.88 -0.67 0.00
BROOKHAVEN___DRP 24191	47.32 1.11 0.00	42.70 0.71 0.00	41.44 0.33 0.00	39.88 0.00 0.00	41.41 0.08 0.00	47.00 0.83 0.00	58.20 0.35 0.00	66.52 0.98 0.00	61.64 1.39 0.00	59.47 0.88 0.00	57.93 1.58 0.00	54.74 1.90 -0.01	53.32 1.76 -1.30	53.40 1.95 -2.67	55.24 2.22 -3.58	56.33 2.31 -3.70	58.13 2.51 -4.47	62.08 3.08 -3.03	64.70 3.06 -0.42	72.60 3.46 -0.01	64.96 3.15 -0.01	59.53 2.76 -2.66	53.49 2.41 -4.80	47.01 2.45 -0.01
BROOKLYN_NAVY_YARD 23515	47.83 1.62 0.00	43.37 1.38 0.00	42.26 1.15 0.00	40.96 1.08 0.00	42.36 1.03 0.00	47.69 1.52 0.00	60.17 2.32 0.00	68.82 3.28 0.00	63.27 3.01 0.00	61.99 3.40 0.00	59.74 3.38 0.00	56.31 3.49 0.00	53.42 3.17 0.00	52.00 3.22 0.00	52.74 3.31 0.00	53.64 3.32 0.00	54.68 3.53 0.00	59.83 3.86 0.00	65.39 4.17 0.00	73.84 4.70 0.00	66.13 4.32 0.00	57.58 3.47 0.00	49.01 2.73 0.00	46.91 2.36 0.00
BROOKLYN___ARMY_DRP 323595	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24
BROOKVLE_69_KV_TB1 55790	48.29 2.08 0.00	43.67 1.68 0.00	42.51 1.40 0.00	41.04 1.16 0.00	42.57 1.24 0.00	48.06 1.89 0.00	60.17 2.31 0.00	68.82 3.28 0.00	63.57 3.31 0.00	61.99 3.40 0.00	60.07 3.72 0.00	56.59 3.75 -0.01	55.88 3.47 -2.16	56.72 3.51 -4.43	58.97 3.61 -5.93	60.07 3.62 -6.13	62.40 3.84 -7.41	65.30 4.31 -5.02	66.38 4.47 -0.69	74.20 5.05 -0.01	66.39 4.57 -0.01	62.31 3.79 -4.41	57.38 3.15 -7.95	47.46 2.90 -0.01
BROOME_2_LFGE 323671	47.00 0.78 0.00	42.66 0.67 0.00	41.85 0.74 0.00	40.56 0.68 0.00	42.07 0.74 0.00	46.86 0.69 0.00	58.72 0.87 0.00	66.33 0.79 0.00	60.98 0.73 0.00	58.89 0.29 0.00	56.52 0.17 0.00	52.93 0.11 0.00	50.46 0.20 0.00	48.83 0.05 0.00	49.53 0.10 0.00	50.42 0.10 0.00	51.10 -0.05 0.00	55.69 -0.28 0.00	61.10 -0.12 0.00	69.14 0.00 0.00	61.74 -0.06 0.00	54.06 -0.05 0.00	46.24 -0.05 0.00	44.77 0.22 0.00
BROOME___LFGE 323600	47.00 0.78 0.00	42.66 0.67 0.00	41.85 0.74 0.00	40.56 0.68 0.00	42.07 0.74 0.00	46.86 0.69 0.00	58.72 0.87 0.00	66.33 0.79 0.00	60.98 0.73 0.00	58.89 0.29 0.00	56.52 0.17 0.00	52.93 0.11 0.00	50.46 0.20 0.00	48.83 0.05 0.00	49.53 0.10 0.00	50.42 0.10 0.00	51.10 -0.05 0.00	55.69 -0.28 0.00	61.10 -0.12 0.00	69.14 0.00 0.00	61.74 -0.06 0.00	54.06 -0.05 0.00	46.24 -0.05 0.00	44.77 0.22 0.00
BROWNFLS_115KV_TB_3_5 80003	45.24 -0.97 0.00	41.19 -0.80 0.00	40.29 -0.82 0.00	39.20 -0.68 0.00	40.71 -0.62 0.00	45.66 -0.51 0.00	57.33 -0.52 0.00	65.08 -0.46 0.00	59.41 -0.84 0.00	57.48 -1.11 0.00	55.00 -1.35 0.00	51.45 -1.37 0.00	49.05 -1.21 0.00	47.66 -1.12 0.00	48.20 -1.24 0.00	49.06 -1.26 0.00	49.67 -1.48 0.00	54.51 -1.46 0.00	59.69 -1.53 0.00	67.68 -1.45 0.00	60.44 -1.36 0.00	52.92 -1.19 0.00	45.13 -1.16 0.00	43.39 -1.16 0.00
BROWNSV1_27_KV_LOAD 356125	48.20 1.99 0.00	43.75 1.76 0.00	42.59 1.48 0.00	41.24 1.36 0.00	42.69 1.36 0.00	48.06 1.89 0.00	60.63 2.78 0.00	69.34 3.80 0.00	63.75 3.49 0.00	62.46 3.87 0.00	60.24 3.89 0.00	56.68 3.86 0.00	53.82 3.57 0.00	52.39 3.61 0.00	53.14 3.71 0.00	54.05 3.72 0.00	55.09 3.94 0.00	60.45 4.48 0.00	65.81 4.59 0.00	74.39 5.25 0.00	66.56 4.76 0.00	57.96 3.84 0.00	49.34 3.05 0.00	47.26 2.72 0.00
BURROWS___LYONSDAL 23803	46.58 0.37 0.00	42.41 0.42 0.00	41.52 0.41 0.00	40.36 0.48 0.00	41.91 0.58 0.00	46.95 0.78 0.00	59.13 1.27 0.00	67.18 1.64 0.00	61.40 1.14 0.00	59.24 0.64 0.00	56.80 0.45 0.00	53.09 0.26 0.00	50.56 0.30 0.00	49.07 0.29 0.00	49.68 0.25 0.00	50.57 0.25 0.00	51.15 0.00 0.00	56.14 0.17 0.00	61.65 0.43 0.00	69.83 0.69 0.00	62.30 0.49 0.00	54.39 0.27 0.00	46.38 0.09 0.00	44.64 0.09 0.00
CAITHNESS_CC_1 323624	47.37 1.16 0.00	42.74 0.76 0.00	41.52 0.41 0.00	39.96 0.08 0.00	41.45 0.12 0.00	47.04 0.88 0.00	58.26 0.41 0.00	66.59 1.05 0.00	61.65 1.39 0.00	59.53 0.93 0.00	57.82 1.46 0.00	54.95 2.12 -0.01	53.42 1.86 -1.30	53.45 2.00 -2.67	55.28 2.28 -3.58	56.33 2.32 -3.69	58.13 2.51 -4.47	61.91 2.91 -3.03	64.76 3.12 -0.42	72.60 3.46 -0.01	65.02 3.21 -0.01	59.53 2.76 -2.66	53.57 2.50 -4.79	47.00 2.45 -0.01
CALPINE BETH_PAGE_GT4 24209	48.25 2.03 0.00	43.58 1.60 0.00	42.39 1.27 0.00	40.84 0.96 0.00	42.40 1.07 0.00	48.01 1.85 0.00	59.53 1.68 0.00	68.10 2.56 0.00	63.03 2.77 0.00	61.29 2.70 0.00	59.51 3.16 0.00	56.11 3.28 -0.01	54.93 3.02 -1.66	55.26 3.07 -3.41	57.16 3.16 -4.56	58.20 3.17 -4.71	60.28 3.43 -5.70	63.75 3.92 -3.86	65.79 4.04 -0.53	73.71 4.56 -0.01	66.02 4.20 -0.01	61.02 3.52 -3.39	55.59 3.19 -6.11	47.54 2.98 -0.01
CALPINE_BETH_PAGE_GT_4 323586	48.25 2.03 0.00	43.58 1.60 0.00	42.39 1.28 0.00	40.88 1.00 0.00	42.40 1.07 0.00	48.02 1.85 0.00	59.53 1.68 0.00	68.09 2.55 0.00	63.03 2.77 0.00	61.29 2.70 0.00	59.34 2.98 0.00	56.17 3.33 -0.01	54.93 3.02 -1.66	55.26 3.08 -3.41	57.16 3.17 -4.56	58.21 3.17 -4.71	60.28 3.43 -5.70	63.58 3.75 -3.86	65.79 4.04 -0.53	73.71 4.56 -0.01	66.02 4.20 -0.01	61.02 3.52 -3.39	55.45 3.05 -6.11	47.54 2.99 -0.01
CALPINE_BP_GT1 23823	48.25 2.03 0.00	43.58 1.60 0.00	42.39 1.28 0.00	40.88 1.00 0.00	42.40 1.07 0.00	48.02 1.85 0.00	59.53 1.68 0.00	68.09 2.55 0.00	63.03 2.77 0.00	61.29 2.70 0.00	59.34 2.98 0.00	56.17 3.33 -0.01	54.93 3.02 -1.66	55.26 3.08 -3.41	57.16 3.17 -4.56	58.21 3.17 -4.71	60.28 3.43 -5.70	63.58 3.75 -3.86	65.79 4.04 -0.53	73.71 4.56 -0.01	66.02 4.20 -0.01	61.02 3.52 -3.39	55.45 3.05 -6.11	47.54 2.99 -0.01
CALSPAN___DRP 24200	47.79 1.57 0.00	43.12 1.13 0.00	42.43 1.32 0.00	41.32 1.44 0.00	42.69 1.36 0.00	47.00 0.83 0.00	57.97 0.12 0.00	63.84 -1.70 0.00	59.47 -0.78 0.00	57.07 -1.52 0.00	54.72 -1.63 0.00	51.19 -1.64 0.00	49.10 -1.16 0.00	46.93 -1.85 0.00	47.90 -1.53 0.00	48.76 -1.56 0.00	48.54 -2.61 0.00	51.88 -4.09 0.00	57.00 -4.22 0.00	64.71 -4.42 0.00	57.85 -3.96 0.00	50.65 -3.46 0.00	44.06 -2.22 0.00	43.39 -1.16 0.00



CALVERTON___SOLAR 323806	47.41 1.20 0.00	42.74 0.76 0.00	41.48 0.37 0.00	39.92 0.04 0.00	41.41 0.08 0.00	47.00 0.83 0.00	58.26 0.41 0.00	66.65 1.11 0.00	61.70 1.44 0.00	59.48 0.88 0.00	57.70 1.35 0.00	54.84 2.01 -0.01	53.36 1.81 -1.30	53.35 1.90 -2.67	55.29 2.28 -3.58	56.38 2.37 -3.70	58.23 2.61 -4.47	62.02 3.02 -3.03	64.94 3.30 -0.42	72.74 3.59 -0.01	65.15 3.34 -0.01	59.70 2.92 -2.66	53.67 2.59 -4.80	47.09 2.54 -0.01
CANDIGU_WT_PWR 323617	47.37 1.16 0.00	42.91 0.92 0.00	42.18 1.07 0.00	40.88 1.00 0.00	42.40 1.07 0.00	47.00 0.83 0.00	58.60 0.75 0.00	65.48 -0.07 0.00	59.90 -0.36 0.00	57.25 -1.35 0.00	54.72 -1.64 0.00	51.24 -1.58 0.00	49.05 -1.21 0.00	47.22 -1.56 0.00	47.95 -1.48 0.00	48.91 -1.41 0.00	49.31 -1.84 0.00	53.45 -2.52 0.00	58.83 -2.39 0.00	66.37 -2.77 0.00	59.08 -2.72 0.00	51.68 -2.43 0.00	44.34 -1.94 0.00	43.21 -1.34 0.00
CARR STREET_E_SYR 24060	46.22 0.00 0.00	41.94 -0.04 0.00	41.11 0.00 0.00	39.84 -0.04 0.00	41.29 -0.04 0.00	46.08 -0.09 0.00	57.85 0.00 0.00	65.48 -0.07 0.00	60.26 0.00 0.00	58.42 -0.18 0.00	56.07 -0.28 0.00	52.51 -0.32 0.00	50.06 -0.20 0.00	48.49 -0.29 0.00	49.14 -0.29 0.00	50.07 -0.25 0.00	50.80 -0.36 0.00	55.47 -0.50 0.00	60.86 -0.37 0.00	68.86 -0.28 0.00	61.43 -0.37 0.00	53.79 -0.32 0.00	46.01 -0.28 0.00	44.33 -0.22 0.00
CARTHAGE___PAPER 23857	45.89 -0.32 0.00	41.82 -0.17 0.00	40.91 -0.20 0.00	39.76 -0.12 0.00	41.37 0.04 0.00	46.45 0.28 0.00	58.60 0.75 0.00	66.72 1.18 0.00	60.68 0.42 0.00	58.25 -0.35 0.00	55.74 -0.62 0.00	51.93 -0.90 0.00	49.50 -0.75 0.00	48.05 -0.73 0.00	48.59 -0.84 0.00	49.51 -0.81 0.00	50.07 -1.08 0.00	55.19 -0.78 0.00	60.79 -0.43 0.00	69.21 0.07 0.00	61.74 -0.06 0.00	53.85 -0.27 0.00	45.82 -0.46 0.00	44.06 -0.49 0.00
CASSADAGA_WT_PWR 323784	49.36 3.14 0.00	44.55 2.56 0.00	43.78 2.67 0.00	42.47 2.59 0.00	44.10 2.77 0.00	48.61 2.45 0.00	60.40 2.54 0.00	69.61 4.06 0.00	62.19 1.93 0.00	59.59 1.00 0.00	56.75 0.40 0.00	52.77 -0.05 0.00	50.61 0.35 0.00	48.29 -0.49 0.00	48.79 -0.64 0.00	49.51 -0.81 0.00	48.70 -2.45 0.00	52.11 -3.86 0.00	56.81 -4.41 0.00	64.09 -5.04 0.00	57.10 -4.70 0.00	50.17 -3.95 0.00	43.23 -3.06 0.00	42.50 -2.05 0.00
CE_DUNWOOD___DRP 24194	47.65 1.43 0.00	43.29 1.30 0.00	42.22 1.11 0.00	40.88 1.00 0.00	42.32 0.99 0.00	47.60 1.43 0.00	59.88 2.02 0.00	68.36 2.82 0.00	62.91 2.65 0.00	61.53 2.93 0.00	59.34 2.99 0.00	55.79 2.96 0.00	52.97 2.71 0.00	51.56 2.78 0.00	52.30 2.87 0.00	53.19 2.87 0.00	54.22 3.07 0.00	59.50 3.53 0.00	64.83 3.61 0.00	73.22 4.08 0.00	65.51 3.71 0.00	57.15 3.03 0.00	48.74 2.45 0.00	46.73 2.18 0.00
CE_MILLWOOD___DRP 24193	47.51 1.29 0.00	43.12 1.13 0.00	42.10 0.99 0.00	40.76 0.88 0.00	42.20 0.87 0.00	47.46 1.29 0.00	59.70 1.85 0.00	68.10 2.56 0.00	62.67 2.41 0.00	61.29 2.70 0.00	59.06 2.70 0.00	55.57 2.75 0.00	52.77 2.51 0.00	51.37 2.59 0.00	52.05 2.62 0.00	52.94 2.62 0.00	54.02 2.86 0.00	59.22 3.25 0.00	64.59 3.37 0.00	72.94 3.80 0.00	65.26 3.46 0.00	56.93 2.81 0.00	48.55 2.27 0.00	46.55 2.00 0.00
CE_NYC2_DRP 24202	48.16 1.94 -0.01	43.72 1.72 -0.01	42.60 1.48 -0.01	41.12 1.24 0.00	42.61 1.28 0.00	48.01 1.85 0.00	60.40 2.55 0.00	69.01 3.47 0.00	63.51 3.25 0.00	64.15 3.69 -1.87	60.56 3.72 -0.49	61.15 3.70 -4.62	60.09 3.42 -6.42	61.20 3.46 -8.96	61.20 3.56 -8.21	60.23 3.57 -6.33	61.11 3.79 -6.18	65.67 4.25 -5.45	70.28 4.41 -4.65	74.11 4.98 0.00	70.94 4.57 -4.57	61.20 3.73 -3.35	49.68 2.96 -0.43	47.63 2.67 -0.41
CE_NYC_DRP 24195	47.93 1.71 0.00	43.50 1.51 0.00	42.39 1.27 0.00	41.04 1.16 0.00	42.49 1.16 0.00	47.83 1.66 0.00	60.28 2.43 0.00	68.95 3.41 0.00	63.39 3.13 0.00	62.11 3.52 0.00	59.90 3.55 0.00	56.37 3.54 0.00	53.52 3.27 0.00	52.10 3.32 0.00	52.84 3.41 0.00	53.74 3.42 0.00	54.78 3.63 0.00	60.11 4.14 0.00	65.44 4.22 0.00	73.91 4.77 0.00	66.13 4.33 0.00	57.63 3.52 0.00	49.06 2.78 0.00	47.04 2.49 0.00
CHAFFEE___LFGE 323603	47.23 1.02 0.00	42.70 0.71 0.00	41.98 0.86 0.00	40.72 0.84 0.00	42.28 0.95 0.00	46.63 0.46 0.00	58.03 0.17 0.00	64.69 -0.85 0.00	59.47 -0.79 0.00	56.89 -1.70 0.00	54.21 -2.14 0.00	50.66 -2.17 0.00	48.60 -1.66 0.00	46.59 -2.19 0.00	47.31 -2.12 0.00	48.16 -2.16 0.00	48.18 -2.97 0.00	52.00 -3.97 0.00	57.06 -4.17 0.00	64.78 -4.35 0.00	57.85 -3.96 0.00	50.65 -3.46 0.00	43.65 -2.64 0.00	43.08 -1.47 0.00
CHATEAUG_35_KV_LOAD 355732	46.91 0.69 0.00	42.66 0.67 0.00	41.73 0.62 0.00	40.60 0.72 0.00	42.07 0.74 0.00	47.09 0.92 0.00	58.32 0.46 0.00	65.67 0.13 0.00	60.26 0.00 0.00	58.71 0.12 0.00	56.35 0.00 0.00	53.14 0.32 0.00	50.71 0.45 0.00	49.27 0.49 0.00	49.78 0.35 0.00	50.67 0.35 0.00	51.41 0.26 0.00	55.86 -0.11 0.00	60.61 -0.61 0.00	68.31 -0.83 0.00	61.25 -0.56 0.00	54.33 0.22 0.00	46.33 0.05 0.00	44.50 -0.04 0.00
CHATEAUG_WT_PWR 323614	46.91 0.69 0.00	42.66 0.67 0.00	41.73 0.62 0.00	40.60 0.72 0.00	42.07 0.74 0.00	47.09 0.92 0.00	58.31 0.46 0.00	65.67 0.13 0.00	60.26 0.00 0.00	58.71 0.12 0.00	56.86 0.51 0.00	53.15 0.32 0.00	50.71 0.45 0.00	49.22 0.44 0.00	49.78 0.35 0.00	50.68 0.35 0.00	51.41 0.26 0.00	56.36 0.39 0.00	60.67 -0.55 0.00	68.24 -0.90 0.00	60.88 -0.93 0.00	53.90 -0.22 0.00	46.38 0.09 0.00	44.50 -0.04 0.00
CHAT_HIGH_FALL_HYD 323578	46.91 0.69 0.00	42.66 0.67 0.00	41.73 0.62 0.00	40.60 0.72 0.00	42.07 0.74 0.00	47.09 0.92 0.00	58.32 0.46 0.00	65.67 0.13 0.00	60.26 0.00 0.00	58.71 0.12 0.00	56.35 0.00 0.00	53.14 0.32 0.00	50.71 0.45 0.00	49.27 0.49 0.00	49.78 0.35 0.00	50.67 0.35 0.00	51.41 0.26 0.00	55.86 -0.11 0.00	60.61 -0.61 0.00	68.31 -0.83 0.00	61.25 -0.56 0.00	54.33 0.22 0.00	46.33 0.05 0.00	44.50 -0.04 0.00
CHAUTAUQUA___LFGE 323629	48.80 2.59 0.00	44.04 2.06 0.00	43.33 2.22 0.00	42.03 2.15 0.00	43.60 2.27 0.00	48.06 1.89 0.00	59.65 1.80 0.00	69.14 3.60 0.00	61.34 1.09 0.00	58.71 0.12 0.00	56.02 -0.34 0.00	52.25 -0.58 0.00	50.16 -0.10 0.00	48.00 -0.78 0.00	48.64 -0.79 0.00	49.47 -0.86 0.00	48.90 -2.25 0.00	52.50 -3.47 0.00	57.37 -3.85 0.00	64.99 -4.15 0.00	58.03 -3.77 0.00	51.03 -3.08 0.00	44.02 -2.27 0.00	43.30 -1.25 0.00
CHERRYST_13_KV_LD 356241	48.06 1.85 0.00	43.62 1.64 0.00	42.51 1.40 0.00	41.16 1.28 0.00	42.57 1.24 0.00	47.97 1.80 0.00	60.46 2.60 0.00	69.15 3.60 0.00	63.63 3.37 0.00	62.29 3.69 0.00	60.07 3.72 0.00	56.58 3.75 0.00	53.72 3.47 0.00	52.29 3.51 0.00	53.04 3.61 0.00	53.89 3.57 0.00	54.94 3.79 0.00	60.28 4.31 0.00	65.63 4.41 0.00	74.11 4.98 0.00	66.31 4.51 0.00	57.79 3.68 0.00	49.20 2.92 0.00	47.13 2.58 0.00



CHESTROR_138KV_BK263 355645	47.09 0.88 0.00	42.78 0.80 0.00	41.81 0.70 0.00	40.48 0.60 0.00	41.95 0.62 0.00	47.05 0.88 0.00	59.18 1.33 0.00	67.38 1.84 0.00	62.01 1.75 0.00	60.53 1.93 0.00	58.33 1.97 0.00	54.78 1.95 0.00	52.01 1.76 0.00	50.63 1.85 0.00	51.31 1.88 0.00	52.23 1.91 0.00	53.25 2.10 0.00	58.43 2.46 0.00	63.73 2.51 0.00	71.97 2.83 0.00	64.40 2.60 0.00	56.23 2.11 0.00	48.00 1.71 0.00	46.06 1.51 0.00
CH_MIDHUDSON___DRP 24192	47.42 1.20 0.00	43.04 1.05 0.00	42.06 0.95 0.00	40.72 0.84 0.00	42.20 0.87 0.00	47.37 1.20 0.00	59.65 1.79 0.00	67.83 2.29 0.00	62.49 2.23 0.00	61.06 2.46 0.00	58.83 2.48 0.00	55.26 2.43 0.00	52.47 2.21 0.00	51.02 2.24 0.00	51.75 2.32 0.00	52.69 2.37 0.00	53.76 2.61 0.00	58.99 3.02 0.00	64.28 3.06 0.00	72.59 3.46 0.00	64.95 3.15 0.00	56.71 2.60 0.00	48.41 2.13 0.00	46.42 1.87 0.00
CH_MISC_IPPS 23765	47.51 1.29 0.00	43.21 1.22 0.00	42.18 1.07 0.00	40.84 0.96 0.00	42.32 0.99 0.00	47.51 1.34 0.00	59.88 2.02 0.00	68.17 2.62 0.00	62.79 2.53 0.00	61.35 2.75 0.00	59.00 2.65 0.00	55.47 2.64 0.00	52.67 2.41 0.00	51.22 2.44 0.00	52.00 2.57 0.00	52.89 2.56 0.00	54.01 2.86 0.00	59.16 3.19 0.00	64.59 3.36 0.00	73.01 3.87 0.00	65.32 3.52 0.00	56.98 2.87 0.00	48.60 2.31 0.00	46.64 2.09 0.00
CH_RES_BVR_FALLS 23983	46.08 -0.14 0.00	41.90 -0.08 0.00	41.03 -0.08 0.00	39.84 -0.04 0.00	41.29 -0.04 0.00	46.12 -0.05 0.00	57.62 -0.23 0.00	65.28 -0.26 0.00	59.96 -0.30 0.00	58.36 -0.23 0.00	56.19 -0.17 0.00	52.62 -0.21 0.00	50.11 -0.15 0.00	48.63 -0.15 0.00	49.23 -0.20 0.00	50.12 -0.20 0.00	50.90 -0.25 0.00	55.69 -0.28 0.00	60.67 -0.55 0.00	68.45 -0.69 0.00	61.06 -0.74 0.00	53.52 -0.59 0.00	45.73 -0.55 0.00	43.97 -0.58 0.00
CH_RES_NIAGARA 23895	46.86 0.65 0.00	41.86 -0.13 0.00	41.73 0.62 0.00	40.16 0.28 0.00	41.95 0.62 0.00	46.12 -0.05 0.00	56.12 -1.74 0.00	61.80 -3.74 0.00	57.49 -2.77 0.00	55.20 -3.40 0.00	53.03 -3.32 0.00	49.71 -3.12 0.00	47.74 -2.51 0.00	45.56 -3.22 0.00	46.61 -2.82 0.00	47.45 -2.87 0.00	47.11 -4.04 0.00	50.26 -5.71 0.00	55.16 -6.06 0.00	62.71 -6.43 0.00	56.12 -5.69 0.00	49.24 -4.87 0.00	43.00 -3.29 0.00	42.27 -2.27 0.00
CH_RES_SYRACUSE 23985	46.49 0.28 0.00	42.24 0.25 0.00	41.36 0.25 0.00	40.04 0.16 0.00	41.54 0.21 0.00	46.35 0.19 0.00	58.26 0.41 0.00	65.94 0.40 0.00	60.62 0.36 0.00	58.77 0.18 0.00	56.41 0.06 0.00	52.77 -0.05 0.00	50.31 0.05 0.00	48.78 0.00 0.00	49.38 -0.05 0.00	50.32 0.00 0.00	51.05 -0.10 0.00	55.80 -0.17 0.00	61.22 0.00 0.00	69.28 0.14 0.00	61.80 0.00 0.00	54.12 0.00 0.00	46.28 0.00 0.00	44.59 0.04 0.00
CLINTON_WT_PWR 323605	46.91 0.69 0.00	42.66 0.67 0.00	41.73 0.62 0.00	40.60 0.72 0.00	42.07 0.74 0.00	47.09 0.92 0.00	58.31 0.46 0.00	65.67 0.13 0.00	60.26 0.00 0.00	58.71 0.12 0.00	56.86 0.51 0.00	53.15 0.32 0.00	50.71 0.45 0.00	49.22 0.44 0.00	49.78 0.35 0.00	50.68 0.35 0.00	51.41 0.26 0.00	56.36 0.39 0.00	60.67 -0.55 0.00	68.24 -0.90 0.00	60.88 -0.93 0.00	53.90 -0.22 0.00	46.38 0.09 0.00	44.50 -0.04 0.00
CLINTON___LFGE 323618	47.83 1.62 0.00	43.50 1.51 0.00	42.51 1.40 0.00	41.40 1.52 0.00	42.90 1.57 0.00	48.11 1.94 0.00	59.35 1.50 0.00	66.65 1.11 0.00	61.10 0.84 0.00	59.59 1.00 0.00	57.88 1.52 0.00	54.04 1.22 0.00	51.56 1.30 0.00	50.10 1.32 0.00	50.62 1.18 0.00	51.53 1.21 0.00	52.38 1.23 0.00	57.53 1.56 0.00	61.65 0.43 0.00	69.34 0.21 0.00	61.86 0.06 0.00	54.93 0.81 0.00	47.39 1.11 0.00	45.53 0.98 0.00
COBBLENY_34_KV_TB1 80064	47.23 1.02 0.00	42.70 0.71 0.00	41.97 0.86 0.00	40.84 0.96 0.00	42.24 0.91 0.00	46.58 0.42 0.00	58.03 0.17 0.00	64.69 -0.85 0.00	59.47 -0.78 0.00	56.90 -1.70 0.00	54.33 -2.03 0.00	50.77 -2.06 0.00	48.60 -1.66 0.00	46.49 -2.29 0.00	47.31 -2.13 0.00	48.11 -2.21 0.00	48.18 -2.97 0.00	51.83 -4.14 0.00	57.06 -4.16 0.00	64.78 -4.36 0.00	57.78 -4.02 0.00	50.44 -3.68 0.00	43.65 -2.64 0.00	43.08 -1.47 0.00
COFFEEN___115KV_TB3 355620	46.40 0.18 0.00	42.28 0.29 0.00	41.36 0.25 0.00	40.24 0.36 0.00	41.91 0.58 0.00	47.05 0.88 0.00	59.47 1.62 0.00	67.70 2.16 0.00	61.46 1.21 0.00	58.83 0.23 0.00	56.13 -0.23 0.00	52.30 -0.53 0.00	49.90 -0.35 0.00	48.34 -0.44 0.00	48.89 -0.54 0.00	49.87 -0.45 0.00	50.49 -0.66 0.00	55.63 -0.34 0.00	61.59 0.37 0.00	70.38 1.24 0.00	62.79 0.99 0.00	54.66 0.54 0.00	46.47 0.19 0.00	44.72 0.18 0.00
COLDSPRG_115KV_BK1 355956	49.22 3.00 0.00	44.46 2.48 0.00	43.70 2.59 0.00	42.55 2.67 0.00	43.97 2.65 0.00	48.52 2.35 0.00	60.40 2.55 0.00	68.62 3.08 0.00	62.13 1.87 0.00	59.47 0.88 0.00	56.75 0.39 0.00	52.88 0.05 0.00	50.61 0.35 0.00	48.29 -0.49 0.00	49.04 -0.40 0.00	49.77 -0.55 0.00	49.46 -1.69 0.00	52.95 -3.02 0.00	58.16 -3.06 0.00	65.89 -3.25 0.00	58.71 -3.09 0.00	51.25 -2.87 0.00	44.48 -1.81 0.00	43.74 -0.80 0.00
COLONIE_LFGE___ 323577	47.05 0.83 0.00	42.74 0.76 0.00	41.85 0.74 0.00	40.60 0.72 0.00	42.07 0.74 0.00	47.09 0.92 0.00	58.95 1.10 0.00	66.78 1.24 0.00	61.46 1.20 0.00	59.88 1.29 0.00	57.59 1.24 0.00	54.04 1.22 0.00	51.21 0.95 0.00	49.70 0.92 0.00	50.37 0.94 0.00	51.33 1.01 0.00	52.38 1.23 0.00	57.48 1.51 0.00	62.93 1.71 0.00	70.93 1.79 0.00	63.53 1.73 0.00	55.47 1.35 0.00	47.49 1.20 0.00	45.61 1.07 0.00
COOPERNY_115KV_TB1 80082	46.91 0.69 0.00	42.62 0.63 0.00	41.69 0.58 0.00	40.40 0.52 0.00	41.82 0.50 0.00	46.86 0.69 0.00	58.89 1.04 0.00	66.98 1.44 0.00	61.58 1.33 0.00	60.00 1.41 0.00	57.82 1.47 0.00	54.25 1.43 0.00	51.56 1.31 0.00	50.10 1.32 0.00	50.81 1.38 0.00	51.68 1.36 0.00	52.69 1.53 0.00	57.70 1.74 0.00	63.00 1.78 0.00	71.14 2.00 0.00	63.66 1.85 0.00	55.63 1.52 0.00	47.49 1.20 0.00	45.62 1.07 0.00
COPENHAGEN_WT_PWR 323753	46.12 -0.09 0.00	42.03 0.04 0.00	41.11 0.00 0.00	39.96 0.08 0.00	41.58 0.25 0.00	46.63 0.46 0.00	58.90 1.04 0.00	67.05 1.51 0.00	61.04 0.78 0.00	58.54 -0.06 0.00	55.90 -0.45 0.00	52.14 -0.69 0.00	49.70 -0.55 0.00	48.20 -0.58 0.00	48.74 -0.69 0.00	49.72 -0.60 0.00	50.28 -0.87 0.00	55.36 -0.61 0.00	61.16 -0.06 0.00	69.69 0.55 0.00	62.18 0.37 0.00	54.17 0.05 0.00	46.15 -0.14 0.00	44.37 -0.18 0.00
CORNELL_____ 23752	47.60 1.39 0.00	43.25 1.26 0.00	42.39 1.27 0.00	41.08 1.20 0.00	42.61 1.28 0.00	47.55 1.39 0.00	59.82 1.97 0.00	67.70 2.16 0.00	62.07 1.81 0.00	59.83 1.23 0.00	57.26 0.90 0.00	53.51 0.69 0.00	50.96 0.70 0.00	49.32 0.54 0.00	49.97 0.54 0.00	50.98 0.65 0.00	51.82 0.66 0.00	56.70 0.73 0.00	62.44 1.22 0.00	70.80 1.66 0.00	63.10 1.30 0.00	55.20 1.08 0.00	47.16 0.88 0.00	45.53 0.98 0.00



CORONA_69_KV_TB1 355595	48.16 1.94 0.00	43.54 1.55 0.00	42.34 1.23 0.00	40.84 0.96 0.00	42.36 1.03 0.00	47.92 1.75 0.00	59.76 1.91 0.00	68.29 2.75 0.00	63.15 2.89 0.00	61.47 2.87 0.00	59.68 3.32 0.00	56.28 3.43 -0.02	55.72 3.12 -2.35	56.77 3.17 -4.82	59.10 3.21 -6.46	60.21 3.22 -6.66	62.64 3.43 -8.06	65.29 3.86 -5.46	66.01 4.04 -0.75	73.78 4.63 -0.02	66.02 4.20 -0.02	62.37 3.46 -4.80	57.89 2.96 -8.65	47.32 2.76 -0.02
CORTLAND_115KV_TB3 80093	47.05 0.83 0.00	42.74 0.76 0.00	41.89 0.78 0.00	40.60 0.72 0.00	42.11 0.79 0.00	47.00 0.83 0.00	59.07 1.21 0.00	66.85 1.31 0.00	61.40 1.14 0.00	59.30 0.70 0.00	56.92 0.56 0.00	53.25 0.42 0.00	50.71 0.45 0.00	49.07 0.29 0.00	49.73 0.30 0.00	50.67 0.35 0.00	51.46 0.31 0.00	56.25 0.28 0.00	61.89 0.67 0.00	70.04 0.90 0.00	62.48 0.68 0.00	54.66 0.54 0.00	46.75 0.46 0.00	45.08 0.53 0.00
COXSACKIE___GT 23611	47.51 1.29 0.00	43.21 1.22 0.00	42.39 1.28 0.00	41.00 1.12 0.00	42.65 1.32 0.00	47.60 1.43 0.00	60.17 2.32 0.00	68.03 2.49 0.00	62.37 2.11 0.00	60.47 1.87 0.00	57.70 1.35 0.00	53.99 1.16 0.00	51.21 0.95 0.00	49.66 0.88 0.00	50.37 0.94 0.00	51.43 1.11 0.00	52.74 1.59 0.00	58.27 2.30 0.00	63.91 2.69 0.00	72.18 3.04 0.00	64.65 2.84 0.00	56.33 2.22 0.00	48.14 1.85 0.00	46.42 1.87 0.00
CPV_VALLEY___CC1 323721	46.81 0.60 0.00	42.57 0.59 0.00	41.61 0.50 0.00	40.32 0.44 0.00	41.74 0.41 0.00	46.77 0.60 0.00	58.84 0.98 0.00	66.98 1.44 0.00	61.65 1.39 0.00	60.18 1.58 0.00	57.88 1.52 0.00	54.47 1.64 0.00	51.71 1.46 0.00	50.29 1.51 0.00	50.96 1.53 0.00	51.88 1.56 0.00	52.89 1.74 0.00	57.87 1.90 0.00	63.30 2.08 0.00	71.49 2.35 0.00	63.96 2.16 0.00	55.85 1.73 0.00	47.67 1.39 0.00	45.75 1.20 0.00
CPV_VALLEY___CC2 323722	46.81 0.60 0.00	42.57 0.59 0.00	41.61 0.50 0.00	40.32 0.44 0.00	41.74 0.41 0.00	46.77 0.60 0.00	58.84 0.98 0.00	66.98 1.44 0.00	61.65 1.39 0.00	60.18 1.58 0.00	57.88 1.52 0.00	54.47 1.64 0.00	51.71 1.46 0.00	50.29 1.51 0.00	50.96 1.53 0.00	51.88 1.56 0.00	52.89 1.74 0.00	57.87 1.90 0.00	63.30 2.08 0.00	71.49 2.35 0.00	63.96 2.16 0.00	55.85 1.73 0.00	47.67 1.39 0.00	45.75 1.20 0.00
CRESCENT___HYD 24018	47.05 0.83 0.00	42.74 0.76 0.00	41.85 0.74 0.00	40.60 0.72 0.00	42.07 0.74 0.00	47.09 0.92 0.00	58.95 1.10 0.00	66.78 1.24 0.00	61.46 1.20 0.00	59.88 1.29 0.00	57.59 1.24 0.00	54.04 1.22 0.00	51.21 0.95 0.00	49.70 0.92 0.00	50.37 0.94 0.00	51.33 1.01 0.00	52.38 1.23 0.00	57.48 1.51 0.00	62.93 1.71 0.00	70.93 1.79 0.00	63.53 1.73 0.00	55.47 1.35 0.00	47.49 1.20 0.00	45.61 1.07 0.00
CRICKET___VALLEY_CC1 323756	46.91 0.69 0.00	42.62 0.63 0.00	41.61 0.50 0.00	40.32 0.44 0.00	41.74 0.41 0.00	46.86 0.69 0.00	58.90 1.04 0.00	66.92 1.38 0.00	61.65 1.39 0.00	60.30 1.70 0.00	58.10 1.75 0.00	54.68 1.85 0.00	51.76 1.51 0.00	50.34 1.56 0.00	51.06 1.63 0.00	51.93 1.61 0.00	52.99 1.84 0.00	58.04 2.07 0.00	63.42 2.20 0.00	71.62 2.49 0.00	64.15 2.35 0.00	56.06 1.95 0.00	47.90 1.62 0.00	45.93 1.38 0.00
CRICKET___VALLEY_CC2 323757	46.91 0.69 0.00	42.62 0.63 0.00	41.61 0.50 0.00	40.32 0.44 0.00	41.74 0.41 0.00	46.86 0.69 0.00	58.90 1.04 0.00	66.92 1.38 0.00	61.65 1.39 0.00	60.30 1.70 0.00	58.10 1.75 0.00	54.68 1.85 0.00	51.76 1.51 0.00	50.34 1.56 0.00	51.06 1.63 0.00	51.93 1.61 0.00	52.99 1.84 0.00	58.04 2.07 0.00	63.42 2.20 0.00	71.62 2.49 0.00	64.15 2.35 0.00	56.06 1.95 0.00	47.90 1.62 0.00	45.93 1.38 0.00
CRICKET___VALLEY_CC3 323758	46.91 0.69 0.00	42.62 0.63 0.00	41.61 0.50 0.00	40.32 0.44 0.00	41.74 0.41 0.00	46.86 0.69 0.00	58.90 1.04 0.00	66.92 1.38 0.00	61.65 1.39 0.00	60.30 1.70 0.00	58.10 1.75 0.00	54.68 1.85 0.00	51.76 1.51 0.00	50.34 1.56 0.00	51.06 1.63 0.00	51.93 1.61 0.00	52.99 1.84 0.00	58.04 2.07 0.00	63.42 2.20 0.00	71.62 2.49 0.00	64.15 2.35 0.00	56.06 1.95 0.00	47.90 1.62 0.00	45.93 1.38 0.00
CRUCIBLE_METL_DRP 24180	46.49 0.28 0.00	42.24 0.25 0.00	41.36 0.25 0.00	40.08 0.20 0.00	41.54 0.21 0.00	46.35 0.18 0.00	58.26 0.40 0.00	65.93 0.39 0.00	60.62 0.36 0.00	58.77 0.18 0.00	56.47 0.11 0.00	52.83 0.00 0.00	50.31 0.05 0.00	48.73 -0.05 0.00	49.38 -0.05 0.00	50.32 0.00 0.00	51.05 -0.10 0.00	55.75 -0.22 0.00	61.22 0.00 0.00	69.28 0.14 0.00	61.80 0.00 0.00	54.06 -0.05 0.00	46.28 0.00 0.00	44.59 0.04 0.00
DAHOWA___HYDRO 323763	47.79 1.57 0.00	43.33 1.34 0.00	42.47 1.35 0.00	41.16 1.28 0.00	42.77 1.45 0.00	47.83 1.66 0.00	60.17 2.32 0.00	68.23 2.69 0.00	62.67 2.41 0.00	60.88 2.28 0.00	58.38 2.03 0.00	54.73 1.90 0.00	51.86 1.61 0.00	50.29 1.51 0.00	50.91 1.48 0.00	51.98 1.66 0.00	53.14 1.99 0.00	58.37 2.41 0.00	64.10 2.88 0.00	72.32 3.18 0.00	64.77 2.97 0.00	56.28 2.17 0.00	48.14 1.85 0.00	46.28 1.74 0.00
DANC___LFGE 323619	45.84 -0.37 0.00	41.70 -0.29 0.00	40.83 -0.29 0.00	39.64 -0.24 0.00	41.16 -0.16 0.00	46.12 -0.05 0.00	58.14 0.29 0.00	66.06 0.52 0.00	60.32 0.06 0.00	58.07 -0.53 0.00	55.56 -0.79 0.00	51.88 -0.95 0.00	49.45 -0.81 0.00	47.95 -0.83 0.00	48.54 -0.89 0.00	49.47 -0.86 0.00	50.13 -1.02 0.00	55.02 -0.95 0.00	60.67 -0.55 0.00	69.00 -0.14 0.00	61.56 -0.25 0.00	53.74 -0.38 0.00	45.78 -0.51 0.00	44.10 -0.45 0.00
DANSKAMMER___1 23586	47.51 1.29 0.00	43.21 1.22 0.00	42.18 1.07 0.00	40.84 0.96 0.00	42.32 0.99 0.00	47.51 1.34 0.00	59.88 2.02 0.00	68.17 2.62 0.00	62.79 2.53 0.00	61.35 2.75 0.00	59.00 2.65 0.00	55.47 2.64 0.00	52.67 2.41 0.00	51.22 2.44 0.00	52.00 2.57 0.00	52.89 2.56 0.00	54.01 2.86 0.00	59.16 3.19 0.00	64.59 3.36 0.00	73.01 3.87 0.00	65.32 3.52 0.00	56.98 2.87 0.00	48.60 2.31 0.00	46.64 2.09 0.00
DANSKAMMER___2 23589	47.51 1.29 0.00	43.21 1.22 0.00	42.18 1.07 0.00	40.84 0.96 0.00	42.32 0.99 0.00	47.51 1.34 0.00	59.88 2.02 0.00	68.17 2.62 0.00	62.79 2.53 0.00	61.35 2.75 0.00	59.00 2.65 0.00	55.47 2.64 0.00	52.67 2.41 0.00	51.22 2.44 0.00	52.00 2.57 0.00	52.89 2.56 0.00	54.01 2.86 0.00	59.16 3.19 0.00	64.59 3.36 0.00	73.01 3.87 0.00	65.32 3.52 0.00	56.98 2.87 0.00	48.60 2.31 0.00	46.64 2.09 0.00
DANSKAMMER___3 23590	47.51 1.29 0.00	43.21 1.22 0.00	42.18 1.07 0.00	40.84 0.96 0.00	42.32 0.99 0.00	47.51 1.34 0.00	59.88 2.02 0.00	68.17 2.62 0.00	62.79 2.53 0.00	61.35 2.75 0.00	59.00 2.65 0.00	55.47 2.64 0.00	52.67 2.41 0.00	51.22 2.44 0.00	52.00 2.57 0.00	52.89 2.56 0.00	54.01 2.86 0.00	59.16 3.19 0.00	64.59 3.36 0.00	73.01 3.87 0.00	65.32 3.52 0.00	56.98 2.87 0.00	48.60 2.31 0.00	46.64 2.09 0.00



DANSKAMMER___4 23591	47.51 1.29 0.00	43.21 1.22 0.00	42.18 1.07 0.00	40.84 0.96 0.00	42.32 0.99 0.00	47.51 1.34 0.00	59.88 2.02 0.00	68.17 2.62 0.00	62.79 2.53 0.00	61.35 2.75 0.00	59.00 2.65 0.00	55.47 2.64 0.00	52.67 2.41 0.00	51.22 2.44 0.00	52.00 2.57 0.00	52.89 2.56 0.00	54.01 2.86 0.00	59.16 3.19 0.00	64.59 3.36 0.00	73.01 3.87 0.00	65.32 3.52 0.00	56.98 2.87 0.00	48.60 2.31 0.00	46.64 2.09 0.00
DANSKAMMER___DIESEL 23592	47.51 1.29 0.00	43.20 1.22 0.00	42.18 1.07 0.00	40.84 0.96 0.00	42.32 0.99 0.00	47.51 1.34 0.00	59.88 2.02 0.00	68.16 2.62 0.00	62.79 2.53 0.00	61.35 2.75 0.00	59.06 2.70 0.00	55.47 2.64 0.00	52.67 2.41 0.00	51.27 2.49 0.00	52.00 2.57 0.00	52.89 2.57 0.00	54.02 2.86 0.00	59.27 3.30 0.00	64.59 3.37 0.00	73.01 3.87 0.00	65.26 3.46 0.00	56.98 2.87 0.00	48.60 2.31 0.00	46.64 2.09 0.00
DARBY___SOLAR 323810	47.74 1.52 0.00	43.29 1.30 0.00	42.43 1.32 0.00	41.12 1.24 0.00	42.73 1.41 0.00	47.78 1.62 0.00	60.05 2.20 0.00	68.03 2.49 0.00	62.55 2.29 0.00	60.77 2.17 0.00	58.27 1.92 0.00	54.62 1.80 0.00	51.76 1.51 0.00	50.20 1.42 0.00	50.87 1.43 0.00	51.88 1.56 0.00	53.05 1.89 0.00	58.27 2.30 0.00	63.98 2.76 0.00	72.18 3.04 0.00	64.65 2.84 0.00	56.22 2.11 0.00	48.04 1.76 0.00	46.24 1.69 0.00
DASHVILLE___HYD 23610	47.32 1.11 0.00	42.99 1.01 0.00	42.02 0.90 0.00	40.68 0.80 0.00	42.16 0.83 0.00	47.28 1.11 0.00	59.47 1.62 0.00	67.57 2.03 0.00	62.13 1.87 0.00	60.71 2.11 0.00	58.44 2.09 0.00	54.89 2.06 0.00	52.12 1.86 0.00	50.68 1.90 0.00	51.46 2.03 0.00	52.33 2.01 0.00	53.40 2.25 0.00	58.66 2.69 0.00	63.98 2.75 0.00	72.25 3.11 0.00	64.58 2.78 0.00	56.50 2.38 0.00	48.23 1.94 0.00	46.33 1.78 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	47.79 1.57 0.00	43.08 1.09 0.00	41.81 0.70 0.00	40.08 0.20 0.00	41.54 0.21 0.00	47.14 0.97 0.00	58.61 0.75 0.00	67.11 1.57 0.00	62.25 1.99 0.00	59.89 1.29 0.00	58.16 1.80 0.00	55.00 2.17 -0.01	53.62 2.06 -1.30	53.70 2.24 -2.68	55.68 2.67 -3.58	56.94 2.92 -3.70	58.85 3.22 -4.47	62.86 3.86 -3.03	65.43 3.80 -0.42	73.36 4.22 -0.01	65.70 3.89 -0.01	60.24 3.46 -2.66	54.14 3.05 -4.80	47.72 3.16 -0.01
DELAWARE___LFGE 323621	47.37 1.16 0.00	43.08 1.09 0.00	42.22 1.11 0.00	40.96 1.08 0.00	42.44 1.12 0.00	47.46 1.29 0.00	59.59 1.74 0.00	67.64 2.10 0.00	62.13 1.87 0.00	60.30 1.70 0.00	57.99 1.63 0.00	54.36 1.53 0.00	51.71 1.46 0.00	50.15 1.37 0.00	50.86 1.43 0.00	51.78 1.46 0.00	52.63 1.48 0.00	57.59 1.62 0.00	63.00 1.78 0.00	71.21 2.07 0.00	63.59 1.79 0.00	55.68 1.57 0.00	47.58 1.30 0.00	45.79 1.25 0.00
DERFIELD_115KV_TB7 355931	46.26 0.05 0.00	42.07 0.08 0.00	41.19 0.08 0.00	39.96 0.08 0.00	41.41 0.08 0.00	46.26 0.09 0.00	58.03 0.17 0.00	65.80 0.26 0.00	60.50 0.24 0.00	58.77 0.18 0.00	56.58 0.23 0.00	53.04 0.21 0.00	50.41 0.15 0.00	48.93 0.15 0.00	49.58 0.15 0.00	50.47 0.15 0.00	51.36 0.20 0.00	56.25 0.28 0.00	61.53 0.31 0.00	69.48 0.35 0.00	62.11 0.31 0.00	54.33 0.22 0.00	46.42 0.14 0.00	44.64 0.09 0.00
DOGLEVILLE___HYD 23807	45.01 -1.20 0.00	40.98 -1.01 0.00	40.17 -0.94 0.00	39.04 -0.84 0.00	40.63 -0.70 0.00	45.43 -0.74 0.00	57.10 -0.75 0.00	64.89 -0.66 0.00	59.47 -0.79 0.00	57.72 -0.88 0.00	55.45 -0.90 0.00	51.93 -0.90 0.00	49.35 -0.90 0.00	47.95 -0.83 0.00	48.49 -0.94 0.00	49.36 -0.96 0.00	50.13 -1.02 0.00	54.85 -1.12 0.00	60.00 -1.22 0.00	67.82 -1.32 0.00	60.32 -1.48 0.00	52.49 -1.62 0.00	44.66 -1.62 0.00	42.72 -1.83 0.00
DUNKIRK___115KV_TB_200 55889	48.71 2.50 0.00	43.96 1.97 0.00	43.25 2.14 0.00	42.08 2.19 0.00	43.52 2.19 0.00	47.97 1.80 0.00	59.53 1.68 0.00	69.01 3.47 0.00	61.16 0.90 0.00	58.60 0.00 0.00	56.07 -0.28 0.00	52.30 -0.53 0.00	50.05 -0.20 0.00	47.80 -0.98 0.00	48.59 -0.84 0.00	49.37 -0.96 0.00	48.90 -2.25 0.00	52.28 -3.69 0.00	57.36 -3.86 0.00	65.06 -4.08 0.00	58.09 -3.71 0.00	50.76 -3.36 0.00	44.11 -2.18 0.00	43.34 -1.20 0.00
DUNKIRK___1 23563	48.71 2.50 0.00	43.96 1.97 0.00	43.25 2.14 0.00	42.08 2.19 0.00	43.52 2.19 0.00	47.97 1.80 0.00	59.53 1.68 0.00	69.01 3.47 0.00	61.16 0.90 0.00	58.60 0.00 0.00	56.07 -0.28 0.00	52.30 -0.53 0.00	50.05 -0.20 0.00	47.80 -0.98 0.00	48.59 -0.84 0.00	49.37 -0.96 0.00	48.90 -2.25 0.00	52.28 -3.69 0.00	57.36 -3.86 0.00	65.06 -4.08 0.00	58.09 -3.71 0.00	50.76 -3.36 0.00	44.11 -2.18 0.00	43.34 -1.20 0.00
DUNKIRK___2 23564	48.71 2.50 0.00	43.96 1.97 0.00	43.25 2.14 0.00	42.08 2.19 0.00	43.52 2.19 0.00	47.97 1.80 0.00	59.53 1.68 0.00	69.01 3.47 0.00	61.16 0.90 0.00	58.60 0.00 0.00	56.07 -0.28 0.00	52.30 -0.53 0.00	50.05 -0.20 0.00	47.80 -0.98 0.00	48.59 -0.84 0.00	49.37 -0.96 0.00	48.90 -2.25 0.00	52.28 -3.69 0.00	57.36 -3.86 0.00	65.06 -4.08 0.00	58.09 -3.71 0.00	50.76 -3.36 0.00	44.11 -2.18 0.00	43.34 -1.20 0.00
DUNKIRK___3 23565	48.29 2.08 0.00	43.62 1.64 0.00	42.92 1.81 0.00	41.76 1.87 0.00	43.15 1.82 0.00	47.55 1.39 0.00	59.01 1.16 0.00	68.36 2.82 0.00	60.62 0.36 0.00	58.13 -0.47 0.00	55.57 -0.79 0.00	51.93 -0.90 0.00	49.70 -0.55 0.00	47.51 -1.27 0.00	48.34 -1.09 0.00	49.11 -1.21 0.00	48.70 -2.46 0.00	52.16 -3.81 0.00	57.24 -3.98 0.00	64.99 -4.15 0.00	58.03 -3.77 0.00	50.76 -3.36 0.00	44.06 -2.22 0.00	43.34 -1.20 0.00
DUNKIRK___4 23566	48.29 2.08 0.00	43.62 1.64 0.00	42.92 1.81 0.00	41.76 1.87 0.00	43.15 1.82 0.00	47.55 1.39 0.00	59.01 1.16 0.00	68.36 2.82 0.00	60.62 0.36 0.00	58.13 -0.47 0.00	55.57 -0.79 0.00	51.93 -0.90 0.00	49.70 -0.55 0.00	47.51 -1.27 0.00	48.34 -1.09 0.00	49.11 -1.21 0.00	48.70 -2.46 0.00	52.16 -3.81 0.00	57.24 -3.98 0.00	64.99 -4.15 0.00	58.03 -3.77 0.00	50.76 -3.36 0.00	44.06 -2.22 0.00	43.34 -1.20 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	47.79 1.57 0.00	43.37 1.39 0.00	42.30 1.19 0.00	40.96 1.08 0.00	42.40 1.07 0.00	47.69 1.52 0.00	60.05 2.20 0.00	68.56 3.01 0.00	63.09 2.83 0.00	61.70 3.11 0.00	59.51 3.16 0.00	56.00 3.17 0.00	53.17 2.91 0.00	51.76 2.98 0.00	52.50 3.06 0.00	53.39 3.07 0.00	54.42 3.27 0.00	59.72 3.75 0.00	65.08 3.86 0.00	73.49 4.36 0.00	65.76 3.96 0.00	57.36 3.25 0.00	48.88 2.59 0.00	46.86 2.32 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	47.28 1.06 0.00	42.95 0.97 0.00	41.97 0.86 0.00	40.64 0.76 0.00	42.11 0.79 0.00	47.23 1.06 0.00	59.53 1.68 0.00	67.70 2.16 0.00	62.37 2.11 0.00	60.88 2.29 0.00	58.66 2.31 0.00	55.10 2.27 0.00	52.32 2.06 0.00	50.88 2.10 0.00	51.61 2.17 0.00	52.54 2.21 0.00	53.61 2.46 0.00	58.82 2.85 0.00	64.16 2.94 0.00	72.46 3.32 0.00	64.83 3.03 0.00	56.60 2.49 0.00	48.27 1.99 0.00	46.33 1.78 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	48.03 1.80 -0.01	43.59 1.60 -0.01	42.48 1.36 -0.01	41.00 1.12 0.00	42.44 1.12 0.00	47.83 1.66 0.00	60.11 2.26 0.00	68.69 3.15 0.00	63.27 3.01 0.00	61.99 3.40 0.01	59.84 3.49 0.01	56.31 3.49 0.01	53.46 3.22 0.01	52.04 3.27 0.01	52.78 3.36 0.01	53.69 3.37 0.01	54.72 3.58 0.01	59.99 4.03 0.01	65.31 4.10 0.01	73.84 4.70 0.00	66.06 4.26 0.01	57.62 3.52 0.01	49.05 2.78 0.01	47.05 2.49 -0.01
E179THST_13_KV_LOAD 356214	48.21 1.99 -0.01	43.76 1.76 -0.01	42.64 1.52 -0.01	41.12 1.24 0.00	42.61 1.28 0.00	47.97 1.80 0.00	60.34 2.49 0.00	69.01 3.47 0.00	63.51 3.25 0.00	62.28 3.69 0.01	60.07 3.72 0.01	56.57 3.75 0.01	53.67 3.42 0.01	52.28 3.51 0.01	53.03 3.61 0.01	53.89 3.57 0.01	54.98 3.84 0.01	60.27 4.31 0.01	65.68 4.47 0.01	74.18 5.05 0.00	66.43 4.64 0.01	57.84 3.73 0.01	49.24 2.96 0.01	47.23 2.67 -0.01
EAST HAMPTON___GT 23717	47.88 1.66 0.00	43.12 1.13 0.00	41.81 0.70 0.00	40.04 0.16 0.00	41.33 0.00 0.00	46.86 0.69 0.00	58.31 0.46 0.00	66.92 1.38 0.00	62.06 1.81 0.00	59.71 1.11 0.00	57.54 1.19 0.00	54.74 1.90 -0.01	53.36 1.81 -1.30	53.46 2.00 -2.68	55.58 2.57 -3.58	56.94 2.92 -3.70	58.95 3.32 -4.47	62.86 3.86 -3.03	65.50 3.86 -0.42	73.29 4.15 -0.01	65.71 3.90 -0.01	60.40 3.63 -2.66	54.42 3.33 -4.80	48.03 3.48 -0.01
EAST RIVER___6 23660	48.02 1.80 0.00	43.58 1.60 0.00	42.47 1.35 0.00	41.16 1.28 0.00	42.53 1.20 0.00	47.92 1.75 0.00	60.40 2.54 0.00	69.08 3.54 0.00	63.51 3.25 0.00	62.23 3.63 0.00	59.96 3.61 0.00	56.52 3.70 0.00	53.62 3.37 0.00	52.19 3.41 0.00	52.94 3.51 0.00	53.84 3.52 0.00	54.88 3.73 0.00	60.05 4.08 0.00	65.57 4.35 0.00	74.05 4.91 0.00	66.31 4.51 0.00	57.74 3.63 0.00	49.16 2.87 0.00	47.08 2.54 0.00
EAST RIVER___7 23524	48.02 1.80 0.00	43.58 1.60 0.00	42.47 1.35 0.00	41.16 1.28 0.00	42.53 1.20 0.00	47.92 1.75 0.00	60.40 2.54 0.00	69.08 3.54 0.00	63.51 3.25 0.00	62.23 3.63 0.00	59.96 3.61 0.00	56.52 3.70 0.00	53.62 3.37 0.00	52.19 3.41 0.00	52.94 3.51 0.00	53.84 3.52 0.00	54.88 3.73 0.00	60.05 4.08 0.00	65.57 4.35 0.00	74.05 4.91 0.00	66.31 4.51 0.00	57.74 3.63 0.00	49.16 2.87 0.00	47.08 2.54 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	47.65 1.43 0.00	43.29 1.30 0.00	42.22 1.11 0.00	40.88 1.00 0.00	42.32 0.99 0.00	47.60 1.43 0.00	59.88 2.02 0.00	68.36 2.82 0.00	62.91 2.65 0.00	61.53 2.93 0.00	59.34 2.99 0.00	55.79 2.96 0.00	52.97 2.71 0.00	51.56 2.78 0.00	52.30 2.87 0.00	53.19 2.87 0.00	54.22 3.07 0.00	59.50 3.53 0.00	64.83 3.61 0.00	73.22 4.08 0.00	65.51 3.71 0.00	57.15 3.03 0.00	48.74 2.45 0.00	46.73 2.18 0.00
EAST_HAMPTON___DIESEL 23722	47.83 1.62 0.00	43.08 1.09 0.00	41.77 0.66 0.00	40.00 0.12 0.00	41.29 -0.04 0.00	46.72 0.56 0.00	58.20 0.35 0.00	66.78 1.24 0.00	62.01 1.75 0.00	59.65 1.06 0.00	57.37 1.02 0.00	54.58 1.74 -0.01	53.21 1.66 -1.30	53.36 1.90 -2.68	55.48 2.47 -3.58	56.84 2.82 -3.70	58.85 3.22 -4.47	62.81 3.81 -3.03	65.43 3.80 -0.42	73.15 4.01 -0.01	65.64 3.83 -0.01	60.35 3.57 -2.66	54.37 3.29 -4.80	48.03 3.48 -0.01
EAST_POINT___SOLAR 323840	49.59 3.37 0.00	44.92 2.94 0.00	44.11 3.00 0.00	42.71 2.83 0.00	44.55 3.23 0.00	49.86 3.69 0.00	63.00 5.15 0.00	70.92 5.38 0.00	64.47 4.22 0.00	61.35 2.75 0.00	58.21 1.86 0.00	54.25 1.43 0.00	52.32 2.06 0.00	50.68 1.90 0.00	50.91 1.48 0.00	52.18 1.86 0.00	53.86 2.71 0.00	60.22 4.25 0.00	66.73 5.51 0.00	75.36 6.22 0.00	67.48 5.68 0.00	58.45 4.33 0.00	49.80 3.52 0.00	47.93 3.38 0.00
EAST_PULASKI___ESR 323781	45.71 -0.51 0.00	41.57 -0.42 0.00	40.70 -0.41 0.00	39.44 -0.44 0.00	40.92 -0.41 0.00	45.75 -0.42 0.00	57.57 -0.29 0.00	65.28 -0.26 0.00	59.84 -0.42 0.00	57.83 -0.76 0.00	55.45 -0.90 0.00	51.82 -1.01 0.00	49.40 -0.85 0.00	47.85 -0.93 0.00	48.49 -0.94 0.00	49.42 -0.90 0.00	50.13 -1.02 0.00	54.90 -1.07 0.00	60.42 -0.80 0.00	68.51 -0.62 0.00	61.12 -0.68 0.00	53.47 -0.65 0.00	45.64 -0.65 0.00	43.92 -0.62 0.00
EAST_RIVER___1 323558	47.93 1.71 0.00	43.50 1.51 0.00	42.39 1.28 0.00	41.08 1.20 0.00	42.48 1.16 0.00	47.83 1.66 0.00	60.28 2.43 0.00	68.95 3.41 0.00	63.39 3.13 0.00	62.11 3.52 0.00	59.85 3.50 0.00	56.42 3.59 0.00	53.52 3.26 0.00	52.10 3.32 0.00	52.84 3.41 0.00	53.69 3.37 0.00	54.78 3.63 0.00	59.89 3.92 0.00	65.44 4.22 0.00	73.90 4.77 0.00	66.19 4.39 0.00	57.63 3.52 0.00	49.06 2.78 0.00	47.00 2.45 0.00
EAST_RIVER___2 323559	48.02 1.80 0.00	43.58 1.60 0.00	42.47 1.35 0.00	41.16 1.28 0.00	42.53 1.20 0.00	47.92 1.75 0.00	60.40 2.54 0.00	69.08 3.54 0.00	63.51 3.25 0.00	62.23 3.63 0.00	59.96 3.61 0.00	56.52 3.70 0.00	53.62 3.37 0.00	52.19 3.41 0.00	52.94 3.51 0.00	53.84 3.52 0.00	54.88 3.73 0.00	60.05 4.08 0.00	65.57 4.35 0.00	74.05 4.91 0.00	66.31 4.51 0.00	57.74 3.63 0.00	49.16 2.87 0.00	47.08 2.54 0.00
EAST___DELAWARE_HYD 23607	47.00 0.78 0.00	42.74 0.76 0.00	41.73 0.62 0.00	40.44 0.56 0.00	41.91 0.58 0.00	47.04 0.88 0.00	59.35 1.50 0.00	67.51 1.96 0.00	62.06 1.81 0.00	60.59 1.99 0.00	58.21 1.86 0.00	54.73 1.90 0.00	51.91 1.66 0.00	50.44 1.66 0.00	51.21 1.78 0.00	52.13 1.81 0.00	53.20 2.05 0.00	58.37 2.41 0.00	63.85 2.63 0.00	72.18 3.04 0.00	64.59 2.78 0.00	56.33 2.22 0.00	48.00 1.71 0.00	46.06 1.52 0.00
EIGHT_POINT___WT_PWR 323820	48.07 1.85 0.00	43.54 1.55 0.00	42.80 1.69 0.00	41.44 1.55 0.00	43.06 1.74 0.00	47.74 1.57 0.00	59.70 1.85 0.00	66.72 1.18 0.00	60.80 0.54 0.00	57.90 -0.70 0.00	55.28 -1.07 0.00	51.66 -1.16 0.00	49.50 -0.75 0.00	47.61 -1.17 0.00	48.30 -1.13 0.00	49.32 -1.01 0.00	49.72 -1.43 0.00	53.96 -2.01 0.00	59.51 -1.71 0.00	67.20 -1.94 0.00	59.70 -2.10 0.00	52.11 -2.00 0.00	44.62 -1.66 0.00	43.43 -1.11 0.00
ELBRIDGE_115KV_TB2 80188	46.31 0.09 0.00	42.03 0.04 0.00	41.19 0.08 0.00	39.92 0.04 0.00	41.37 0.04 0.00	46.17 0.00 0.00	57.97 0.12 0.00	65.61 0.07 0.00	60.32 0.06 0.00	58.42 -0.18 0.00	56.13 -0.23 0.00	52.51 -0.32 0.00	50.00 -0.25 0.00	48.44 -0.34 0.00	49.13 -0.30 0.00	50.02 -0.30 0.00	50.74 -0.41 0.00	55.41 -0.56 0.00	60.85 -0.37 0.00	68.86 -0.28 0.00	61.43 -0.37 0.00	53.74 -0.38 0.00	46.01 -0.28 0.00	44.37 -0.18 0.00
ELEC_TRO_TEK 24086	47.93 1.71 0.00	43.33 1.34 0.00	42.14 1.03 0.00	40.64 0.76 0.00	42.16 0.83 0.00	47.69 1.52 0.00	59.47 1.62 0.00	67.97 2.43 0.00	62.85 2.59 0.00	61.17 2.58 0.00	59.34 2.99 0.00	55.91 3.06 -0.02	55.39 2.81 -2.32	56.42 2.88 -4.76	58.73 2.92 -6.38	59.82 2.92 -6.58	62.29 3.17 -7.97	64.95 3.58 -5.40	65.63 3.67 -0.74	73.37 4.22 -0.02	65.65 3.83 -0.02	62.05 3.19 -4.74	57.56 2.73 -8.54	47.10 2.54 -0.02



ELLENBURG_WT_PWR 323604	46.91 0.69 0.00	42.66 0.67 0.00	41.73 0.62 0.00	40.60 0.72 0.00	42.07 0.74 0.00	47.09 0.92 0.00	58.31 0.46 0.00	65.67 0.13 0.00	60.26 0.00 0.00	58.71 0.12 0.00	56.86 0.51 0.00	53.15 0.32 0.00	50.71 0.45 0.00	49.22 0.44 0.00	49.78 0.35 0.00	50.68 0.35 0.00	51.41 0.26 0.00	56.36 0.39 0.00	60.67 -0.55 0.00	68.24 -0.90 0.00	60.88 -0.93 0.00	53.90 -0.22 0.00	46.38 0.09 0.00	44.50 -0.04 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	47.56 1.34 0.00	42.87 0.88 0.00	42.22 1.11 0.00	41.08 1.20 0.00	42.49 1.16 0.00	46.77 0.60 0.00	57.62 -0.23 0.00	63.44 -2.10 0.00	59.17 -1.08 0.00	56.78 -1.82 0.00	54.44 -1.92 0.00	50.93 -1.90 0.00	48.90 -1.36 0.00	46.68 -2.10 0.00	47.70 -1.73 0.00	48.56 -1.76 0.00	48.29 -2.86 0.00	51.60 -4.37 0.00	56.69 -4.53 0.00	64.37 -4.77 0.00	57.60 -4.20 0.00	50.44 -3.68 0.00	43.88 -2.41 0.00	43.17 -1.38 0.00
EMPIRE_CC_1 323656	46.31 0.09 0.00	42.11 0.13 0.00	41.19 0.08 0.00	40.04 0.16 0.00	41.45 0.12 0.00	46.31 0.14 0.00	57.97 0.12 0.00	65.67 0.13 0.00	60.50 0.24 0.00	59.01 0.41 0.00	56.86 0.51 0.00	53.41 0.58 0.00	50.56 0.30 0.00	49.07 0.29 0.00	49.78 0.35 0.00	50.68 0.35 0.00	51.71 0.56 0.00	56.64 0.67 0.00	61.89 0.67 0.00	69.76 0.62 0.00	62.55 0.74 0.00	54.77 0.65 0.00	46.88 0.60 0.00	45.08 0.54 0.00
EMPIRE_CC_2 323658	46.31 0.09 0.00	42.11 0.13 0.00	41.19 0.08 0.00	40.04 0.16 0.00	41.45 0.12 0.00	46.31 0.14 0.00	57.97 0.12 0.00	65.67 0.13 0.00	60.50 0.24 0.00	59.01 0.41 0.00	56.86 0.51 0.00	53.41 0.58 0.00	50.56 0.30 0.00	49.07 0.29 0.00	49.78 0.35 0.00	50.68 0.35 0.00	51.71 0.56 0.00	56.64 0.67 0.00	61.89 0.67 0.00	69.76 0.62 0.00	62.55 0.74 0.00	54.77 0.65 0.00	46.88 0.60 0.00	45.08 0.54 0.00
ENORWICH_115KV_TB1 80156	49.91 3.70 0.00	45.51 3.53 0.00	44.56 3.45 0.00	43.35 3.47 0.00	45.09 3.76 0.00	50.51 4.34 0.00	63.81 5.96 0.00	72.36 6.82 0.00	65.86 5.60 0.00	62.99 4.39 0.00	60.13 3.78 0.00	56.00 3.17 0.00	53.32 3.07 0.00	51.51 2.73 0.00	52.20 2.77 0.00	53.29 2.97 0.00	54.17 3.02 0.00	59.50 3.53 0.00	65.81 4.59 0.00	75.01 5.88 0.00	66.75 4.94 0.00	58.07 3.95 0.00	49.52 3.24 0.00	47.75 3.21 0.00
ERIE_ST_34_KV_TB1-2 80199	47.74 1.53 0.00	43.12 1.13 0.00	42.39 1.27 0.00	41.28 1.40 0.00	42.65 1.32 0.00	46.95 0.78 0.00	58.08 0.23 0.00	64.10 -1.44 0.00	59.60 -0.66 0.00	57.13 -1.46 0.00	54.72 -1.63 0.00	51.19 -1.64 0.00	49.10 -1.16 0.00	46.93 -1.85 0.00	47.90 -1.53 0.00	48.76 -1.56 0.00	48.64 -2.51 0.00	52.11 -3.86 0.00	57.24 -3.98 0.00	64.99 -4.15 0.00	58.09 -3.71 0.00	50.76 -3.36 0.00	44.11 -2.18 0.00	43.43 -1.11 0.00
ERIE_WT_PWR 323693	47.83 1.62 0.00	43.16 1.17 0.00	42.47 1.35 0.00	41.24 1.36 0.00	42.77 1.45 0.00	47.04 0.88 0.00	58.03 0.17 0.00	63.90 -1.64 0.00	59.54 -0.72 0.00	57.13 -1.46 0.00	54.61 -1.75 0.00	51.09 -1.74 0.00	49.15 -1.11 0.00	47.07 -1.71 0.00	47.95 -1.48 0.00	48.86 -1.46 0.00	48.54 -2.61 0.00	52.22 -3.75 0.00	57.06 -4.17 0.00	64.78 -4.35 0.00	57.91 -3.89 0.00	50.97 -3.14 0.00	44.06 -2.22 0.00	43.39 -1.16 0.00
ESPRGFLD_115KV_TB1 80157	48.80 2.59 0.00	44.34 2.35 0.00	43.45 2.34 0.00	42.16 2.27 0.00	43.81 2.48 0.00	49.03 2.86 0.00	61.90 4.05 0.00	70.13 4.59 0.00	64.17 3.92 0.00	61.76 3.16 0.00	59.17 2.82 0.00	55.31 2.48 0.00	52.77 2.51 0.00	51.12 2.34 0.00	51.75 2.32 0.00	52.79 2.47 0.00	53.86 2.71 0.00	59.27 3.30 0.00	65.20 3.98 0.00	73.77 4.63 0.00	65.88 4.08 0.00	57.36 3.25 0.00	48.97 2.68 0.00	47.13 2.58 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	47.51 1.29 0.00	43.16 1.18 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.53 1.20 0.00	47.46 1.29 0.00	59.70 1.85 0.00	67.57 2.03 0.00	61.95 1.69 0.00	59.71 1.11 0.00	57.20 0.85 0.00	53.46 0.63 0.00	50.91 0.65 0.00	49.27 0.49 0.00	49.93 0.49 0.00	50.87 0.55 0.00	51.77 0.61 0.00	56.64 0.67 0.00	62.38 1.16 0.00	70.66 1.52 0.00	62.98 1.17 0.00	55.09 0.97 0.00	47.12 0.83 0.00	45.44 0.89 0.00
ETNA____115KV_TB2 80207	47.51 1.29 0.00	43.16 1.18 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.53 1.20 0.00	47.46 1.29 0.00	59.70 1.85 0.00	67.57 2.03 0.00	61.95 1.69 0.00	59.71 1.11 0.00	57.20 0.85 0.00	53.46 0.63 0.00	50.91 0.65 0.00	49.27 0.49 0.00	49.93 0.49 0.00	50.87 0.55 0.00	51.77 0.61 0.00	56.64 0.67 0.00	62.38 1.16 0.00	70.66 1.52 0.00	62.98 1.17 0.00	55.09 0.97 0.00	47.12 0.83 0.00	45.44 0.89 0.00
EUCLID____115KV_TB2 356179	45.98 -0.23 0.00	41.73 -0.25 0.00	40.91 -0.21 0.00	39.64 -0.24 0.00	41.08 -0.25 0.00	45.84 -0.32 0.00	57.56 -0.29 0.00	65.15 -0.39 0.00	59.90 -0.36 0.00	58.07 -0.53 0.00	55.85 -0.51 0.00	52.25 -0.58 0.00	49.75 -0.50 0.00	48.24 -0.54 0.00	48.89 -0.54 0.00	49.77 -0.55 0.00	50.54 -0.61 0.00	55.19 -0.78 0.00	60.55 -0.67 0.00	68.45 -0.69 0.00	61.12 -0.68 0.00	53.47 -0.65 0.00	45.78 -0.51 0.00	44.15 -0.40 0.00
E_CANADA_CAP_HY 24051	49.13 2.91 0.00	44.55 2.56 0.00	43.70 2.59 0.00	42.36 2.47 0.00	44.10 2.77 0.00	49.35 3.18 0.00	62.37 4.52 0.00	70.52 4.98 0.00	64.41 4.15 0.00	61.82 3.22 0.00	59.00 2.65 0.00	55.05 2.22 0.00	52.62 2.36 0.00	51.03 2.25 0.00	51.51 2.08 0.00	52.64 2.32 0.00	53.96 2.81 0.00	59.72 3.75 0.00	65.93 4.71 0.00	74.60 5.46 0.00	66.75 4.95 0.00	57.90 3.79 0.00	49.34 3.05 0.00	47.49 2.94 0.00
E_CANADA_MHWK_HY 24050	45.01 -1.20 0.00	40.98 -1.01 0.00	40.17 -0.94 0.00	39.04 -0.84 0.00	40.63 -0.70 0.00	45.43 -0.74 0.00	57.10 -0.75 0.00	64.89 -0.66 0.00	59.47 -0.79 0.00	57.72 -0.88 0.00	55.45 -0.90 0.00	51.93 -0.90 0.00	49.35 -0.90 0.00	47.95 -0.83 0.00	48.49 -0.94 0.00	49.36 -0.96 0.00	50.13 -1.02 0.00	54.85 -1.12 0.00	60.00 -1.22 0.00	67.82 -1.32 0.00	60.32 -1.48 0.00	52.49 -1.62 0.00	44.66 -1.62 0.00	42.72 -1.83 0.00
E_FISHKILL____LBMP 23776	47.32 1.11 0.00	42.95 0.97 0.00	41.93 0.82 0.00	40.64 0.76 0.00	42.07 0.74 0.00	47.28 1.11 0.00	59.42 1.56 0.00	67.70 2.16 0.00	62.31 2.05 0.00	60.88 2.29 0.00	58.72 2.37 0.00	55.20 2.38 0.00	52.37 2.11 0.00	50.98 2.20 0.00	51.66 2.22 0.00	52.59 2.26 0.00	53.61 2.46 0.00	58.82 2.85 0.00	64.10 2.88 0.00	72.39 3.25 0.00	64.77 2.97 0.00	56.55 2.44 0.00	48.27 1.99 0.00	46.28 1.74 0.00
FALCON____SEABRD_CC1 323796	47.51 1.29 0.00	43.16 1.17 0.00	42.22 1.11 0.00	41.08 1.20 0.00	42.61 1.28 0.00	47.69 1.52 0.00	58.66 0.81 0.00	65.74 0.20 0.00	60.32 0.06 0.00	58.77 0.18 0.00	57.25 0.90 0.00	53.51 0.68 0.00	51.01 0.75 0.00	49.56 0.78 0.00	50.07 0.64 0.00	50.97 0.65 0.00	51.77 0.62 0.00	56.81 0.84 0.00	60.73 -0.49 0.00	68.31 -0.83 0.00	60.94 -0.87 0.00	54.28 0.16 0.00	46.93 0.65 0.00	45.12 0.58 0.00



FALCON___SEABRD_CC2 323797	47.51 1.29 0.00	43.16 1.17 0.00	42.22 1.11 0.00	41.08 1.20 0.00	42.61 1.28 0.00	47.69 1.52 0.00	58.66 0.81 0.00	65.74 0.20 0.00	60.32 0.06 0.00	58.77 0.18 0.00	57.25 0.90 0.00	53.51 0.68 0.00	51.01 0.75 0.00	49.56 0.78 0.00	50.07 0.64 0.00	50.97 0.65 0.00	51.77 0.62 0.00	56.81 0.84 0.00	60.73 -0.49 0.00	68.31 -0.83 0.00	60.94 -0.87 0.00	54.28 0.16 0.00	46.93 0.65 0.00	45.12 0.58 0.00
FAR ROCKAWAY___4 23548	48.76 2.54 0.00	44.04 2.06 0.00	42.80 1.69 0.00	41.28 1.40 0.00	42.82 1.49 0.00	48.48 2.31 0.00	60.51 2.66 0.00	69.28 3.74 0.00	64.05 3.80 0.00	62.29 3.69 0.00	60.58 4.23 0.00	57.12 4.28 -0.01	56.29 3.92 -2.12	57.09 3.95 -4.35	59.27 4.00 -5.83	60.37 4.03 -6.02	62.68 4.25 -7.28	65.66 4.76 -4.93	66.92 5.02 -0.68	74.89 5.74 -0.01	67.01 5.19 -0.01	62.78 4.33 -4.33	57.71 3.61 -7.81	47.95 3.39 -0.01
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	47.93 1.71 0.00	43.50 1.51 0.00	42.39 1.27 0.00	41.04 1.16 0.00	42.49 1.16 0.00	47.83 1.66 0.00	60.28 2.43 0.00	68.88 3.34 0.00	63.39 3.13 0.00	62.11 3.52 0.00	59.90 3.55 0.00	56.37 3.54 0.00	53.52 3.27 0.00	52.10 3.32 0.00	52.84 3.41 0.00	53.69 3.37 0.00	54.78 3.63 0.00	60.06 4.09 0.00	65.38 4.16 0.00	73.91 4.77 0.00	66.13 4.33 0.00	57.63 3.52 0.00	49.06 2.78 0.00	47.00 2.45 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	47.97 1.76 0.00	43.50 1.51 0.00	42.39 1.27 0.00	41.04 1.16 0.00	42.49 1.16 0.00	47.83 1.66 0.00	60.28 2.43 0.00	68.88 3.34 0.00	63.39 3.13 0.00	62.11 3.52 0.00	59.90 3.55 0.00	56.37 3.54 0.00	53.52 3.27 0.00	52.10 3.32 0.00	52.84 3.41 0.00	53.69 3.37 0.00	54.78 3.63 0.00	60.06 4.09 0.00	65.44 4.22 0.00	73.91 4.77 0.00	66.13 4.33 0.00	57.63 3.52 0.00	49.06 2.78 0.00	47.04 2.49 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	47.93 1.71 0.00	43.50 1.51 0.00	42.39 1.27 0.00	41.04 1.16 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.22 2.37 0.00	68.88 3.34 0.00	63.33 3.07 0.00	62.05 3.46 0.00	59.85 3.49 0.00	56.31 3.49 0.00	53.47 3.22 0.00	52.05 3.27 0.00	52.79 3.36 0.00	53.69 3.37 0.00	54.73 3.58 0.00	60.06 4.09 0.00	65.38 4.16 0.00	73.84 4.70 0.00	66.13 4.33 0.00	57.58 3.46 0.00	49.02 2.73 0.00	47.00 2.45 0.00
FARRAGUT___LBMP 323566	47.88 1.66 0.00	43.46 1.47 0.00	42.34 1.23 0.00	41.00 1.12 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.22 2.37 0.00	68.82 3.28 0.00	63.27 3.01 0.00	61.99 3.40 0.00	59.79 3.44 0.00	56.31 3.49 0.00	53.42 3.17 0.00	52.05 3.27 0.00	52.74 3.31 0.00	53.64 3.32 0.00	54.68 3.53 0.00	60.00 4.03 0.00	65.32 4.10 0.00	73.77 4.63 0.00	66.07 4.26 0.00	57.58 3.46 0.00	49.02 2.73 0.00	46.95 2.41 0.00
FENNER___WINDPWR 24204	47.14 0.92 0.00	42.87 0.88 0.00	42.01 0.90 0.00	40.76 0.88 0.00	42.28 0.95 0.00	47.27 1.11 0.00	59.47 1.62 0.00	67.37 1.83 0.00	61.82 1.56 0.00	59.71 1.11 0.00	57.31 0.96 0.00	53.62 0.79 0.00	51.06 0.80 0.00	49.51 0.73 0.00	50.17 0.74 0.00	51.08 0.76 0.00	51.87 0.72 0.00	56.81 0.84 0.00	62.38 1.16 0.00	70.73 1.59 0.00	63.10 1.30 0.00	55.14 1.03 0.00	47.12 0.83 0.00	45.39 0.84 0.00
FIBERTEK___ENERGY 23856	46.49 0.28 0.00	42.24 0.25 0.00	41.36 0.25 0.00	40.08 0.20 0.00	41.54 0.21 0.00	46.35 0.18 0.00	58.26 0.40 0.00	65.93 0.39 0.00	60.62 0.36 0.00	58.77 0.18 0.00	56.47 0.11 0.00	52.83 0.00 0.00	50.31 0.05 0.00	48.73 -0.05 0.00	49.38 -0.05 0.00	50.32 0.00 0.00	51.05 -0.10 0.00	55.75 -0.22 0.00	61.22 0.00 0.00	69.28 0.14 0.00	61.80 0.00 0.00	54.06 -0.05 0.00	46.28 0.00 0.00	44.59 0.04 0.00
FITZPATRICK____ 23598	45.38 -0.83 0.00	41.19 -0.80 0.00	40.33 -0.78 0.00	39.12 -0.76 0.00	40.54 -0.79 0.00	45.20 -0.97 0.00	56.70 -1.16 0.00	64.16 -1.38 0.00	58.99 -1.27 0.00	57.25 -1.35 0.00	55.00 -1.35 0.00	51.51 -1.32 0.00	49.05 -1.21 0.00	47.56 -1.22 0.00	48.20 -1.23 0.00	49.11 -1.21 0.00	49.82 -1.33 0.00	54.46 -1.51 0.00	59.75 -1.47 0.00	67.55 -1.59 0.00	60.32 -1.48 0.00	52.82 -1.30 0.00	45.17 -1.11 0.00	43.57 -0.98 0.00
FLOWRFLD_69_KV_BK1 356044	47.93 1.71 0.00	43.25 1.26 0.00	41.97 0.86 0.00	40.40 0.52 0.00	41.99 0.66 0.00	47.60 1.43 0.00	59.07 1.21 0.00	67.51 1.97 0.00	62.55 2.29 0.00	60.53 1.93 0.00	58.95 2.59 0.00	55.74 2.91 -0.01	54.28 2.71 -1.31	54.30 2.83 -2.69	56.05 3.02 -3.61	57.12 3.07 -3.72	58.98 3.32 -4.51	62.94 3.92 -3.05	65.62 3.98 -0.42	73.64 4.49 -0.01	65.89 4.08 -0.01	60.26 3.46 -2.68	54.08 2.96 -4.83	47.50 2.94 -0.01
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	47.60 1.39 0.00	43.25 1.26 0.00	42.22 1.11 0.00	40.88 1.00 0.00	42.36 1.03 0.00	47.60 1.43 0.00	59.99 2.14 0.00	68.29 2.75 0.00	62.85 2.59 0.00	61.47 2.87 0.00	59.17 2.82 0.00	55.57 2.75 0.00	52.77 2.51 0.00	51.37 2.59 0.00	52.10 2.67 0.00	52.99 2.67 0.00	54.12 2.97 0.00	59.38 3.41 0.00	64.71 3.49 0.00	73.15 4.01 0.00	65.39 3.58 0.00	57.09 2.98 0.00	48.64 2.36 0.00	46.69 2.14 0.00
FORT ORANGE____ 23900	46.26 0.05 0.00	42.07 0.08 0.00	41.19 0.08 0.00	40.00 0.12 0.00	41.49 0.17 0.00	46.26 0.09 0.00	58.14 0.29 0.00	65.87 0.33 0.00	60.56 0.30 0.00	59.01 0.41 0.00	56.69 0.34 0.00	53.25 0.42 0.00	50.46 0.20 0.00	49.03 0.25 0.00	49.68 0.25 0.00	50.63 0.30 0.00	51.71 0.56 0.00	56.70 0.73 0.00	62.08 0.86 0.00	70.03 0.90 0.00	62.73 0.93 0.00	54.77 0.65 0.00	46.84 0.56 0.00	45.12 0.58 0.00
FORT_DRUM_COGEN 23780	46.17 -0.05 0.00	42.03 0.04 0.00	41.11 0.00 0.00	40.00 0.12 0.00	41.62 0.29 0.00	46.72 0.55 0.00	59.07 1.21 0.00	67.31 1.77 0.00	61.22 0.96 0.00	58.65 0.06 0.00	56.02 -0.34 0.00	52.25 -0.58 0.00	49.80 -0.45 0.00	48.29 -0.49 0.00	48.84 -0.59 0.00	49.77 -0.55 0.00	50.33 -0.82 0.00	55.41 -0.56 0.00	61.22 0.00 0.00	69.83 0.69 0.00	62.30 0.49 0.00	54.28 0.16 0.00	46.19 -0.09 0.00	44.41 -0.13 0.00
FOX_HILLS___ESR 323835	56.35 2.22 -7.91	55.66 1.97 -11.70	55.65 1.73 -12.82	41.37 1.48 -0.01	42.91 1.53 -0.06	56.40 2.12 -8.10	60.64 2.78 -0.01	69.21 3.67 0.00	63.76 3.49 -0.01	75.54 3.75 -13.20	63.68 3.83 -3.49	89.12 3.70 -32.59	69.59 3.42 -15.92	98.53 3.46 -46.28	98.52 3.56 -45.53	98.52 3.57 -44.63	98.53 3.84 -43.55	98.74 4.37 -38.40	98.54 4.53 -32.79	98.80 5.32 -24.34	98.77 4.76 -32.20	81.57 3.79 -23.67	61.11 3.15 -11.67	58.64 2.85 -11.24
FPL FAR_ROCK_GT1 24212	48.76 2.54 0.00	44.04 2.06 0.00	42.80 1.69 0.00	41.28 1.40 0.00	42.81 1.49 0.00	48.48 2.31 0.00	60.52 2.66 0.00	69.27 3.73 0.00	64.06 3.80 0.00	62.29 3.69 0.00	60.47 4.11 0.00	57.17 4.33 -0.01	56.30 3.92 -2.12	57.08 3.95 -4.35	59.27 4.00 -5.83	60.37 4.03 -6.02	62.68 4.24 -7.28	65.49 4.59 -4.93	66.92 5.02 -0.68	74.89 5.74 -0.01	67.07 5.25 -0.01	62.78 4.33 -4.33	57.75 3.66 -7.81	47.95 3.38 -0.01



FPL FAR_ROCK_GT2 23815	48.76 2.54 0.00	44.04 2.06 0.00	42.80 1.69 0.00	41.28 1.40 0.00	42.81 1.49 0.00	48.48 2.31 0.00	60.52 2.66 0.00	69.27 3.73 0.00	64.06 3.80 0.00	62.29 3.69 0.00	60.47 4.11 0.00	57.17 4.33 -0.01	56.30 3.92 -2.12	57.08 3.95 -4.35	59.27 4.00 -5.83	60.37 4.03 -6.02	62.68 4.24 -7.28	65.49 4.59 -4.93	66.92 5.02 -0.68	74.89 5.74 -0.01	67.07 5.25 -0.01	62.78 4.33 -4.33	57.75 3.66 -7.81	47.95 3.38 -0.01
FRANKLIN_FALL_HYD 24054	47.14 0.92 0.00	42.83 0.84 0.00	41.89 0.78 0.00	40.80 0.92 0.00	42.28 0.95 0.00	47.41 1.25 0.00	58.95 1.10 0.00	66.46 0.92 0.00	60.92 0.66 0.00	59.42 0.82 0.00	56.92 0.56 0.00	53.51 0.69 0.00	51.11 0.85 0.00	49.66 0.88 0.00	50.17 0.74 0.00	51.08 0.75 0.00	51.87 0.72 0.00	56.53 0.56 0.00	61.40 0.18 0.00	69.28 0.14 0.00	62.05 0.25 0.00	54.87 0.76 0.00	46.75 0.46 0.00	44.95 0.40 0.00
FREEPORT_EQUS_GT1 23764	48.25 2.03 0.00	43.62 1.64 0.00	42.39 1.28 0.00	40.92 1.04 0.00	42.45 1.12 0.00	48.02 1.85 0.00	59.76 1.91 0.00	68.42 2.88 0.00	63.21 2.95 0.00	61.52 2.93 0.00	59.40 3.04 0.00	56.17 3.33 -0.01	55.05 3.02 -1.78	55.52 3.08 -3.66	57.50 3.17 -4.90	58.56 3.17 -5.06	60.70 3.43 -6.13	63.93 3.81 -4.15	65.89 4.10 -0.57	73.85 4.70 -0.01	66.14 4.32 -0.01	61.49 3.73 -3.64	56.04 3.19 -6.57	47.54 2.99 -0.01
FREEPORT___CT2 23818	48.25 2.03 0.00	43.62 1.64 0.00	42.39 1.28 0.00	40.92 1.04 0.00	42.45 1.12 0.00	48.02 1.85 0.00	59.76 1.91 0.00	68.42 2.88 0.00	63.21 2.95 0.00	61.52 2.93 0.00	59.40 3.04 0.00	56.17 3.33 -0.01	55.05 3.02 -1.78	55.52 3.08 -3.66	57.50 3.17 -4.90	58.56 3.17 -5.06	60.70 3.43 -6.13	63.93 3.81 -4.15	65.89 4.10 -0.57	73.85 4.70 -0.01	66.14 4.32 -0.01	61.49 3.73 -3.64	56.04 3.19 -6.57	47.54 2.99 -0.01
FRESHKLS_33_KV_LOAD 356253	56.30 2.17 -7.91	55.66 1.97 -11.70	55.65 1.73 -12.82	41.37 1.48 -0.01	42.87 1.49 -0.06	56.35 2.08 -8.10	60.52 2.66 -0.01	69.01 3.47 0.00	63.64 3.37 -0.01	73.93 3.57 -11.76	63.14 3.66 -3.13	63.54 3.49 -7.22	63.34 3.22 -9.87	63.33 3.27 -11.29	64.56 3.36 -11.77	65.46 3.37 -11.77	66.51 3.63 -11.72	64.84 4.14 -4.73	94.77 4.35 -29.21	98.66 5.19 -24.34	95.06 4.57 -28.68	75.77 3.63 -18.03	61.06 3.10 -11.67	58.59 2.81 -11.24
FULTON COGEN____ 23766	45.71 -0.51 0.00	41.48 -0.50 0.00	40.66 -0.45 0.00	39.36 -0.52 0.00	40.83 -0.50 0.00	45.57 -0.60 0.00	57.22 -0.64 0.00	64.82 -0.72 0.00	59.60 -0.66 0.00	57.78 -0.82 0.00	55.51 -0.85 0.00	51.93 -0.90 0.00	49.45 -0.80 0.00	47.95 -0.83 0.00	48.59 -0.84 0.00	49.47 -0.86 0.00	50.23 -0.92 0.00	54.91 -1.06 0.00	60.30 -0.92 0.00	68.17 -0.97 0.00	60.87 -0.93 0.00	53.25 -0.87 0.00	45.54 -0.74 0.00	43.88 -0.67 0.00
FULTON___LFGE 323630	49.03 2.82 0.00	44.46 2.48 0.00	43.62 2.51 0.00	42.24 2.35 0.00	44.01 2.68 0.00	49.26 3.09 0.00	62.25 4.39 0.00	70.39 4.85 0.00	64.36 4.10 0.00	61.88 3.28 0.00	59.06 2.70 0.00	55.15 2.32 0.00	52.67 2.41 0.00	51.07 2.29 0.00	51.55 2.12 0.00	52.74 2.42 0.00	54.01 2.86 0.00	59.72 3.75 0.00	65.87 4.65 0.00	74.46 5.32 0.00	66.63 4.82 0.00	57.80 3.68 0.00	49.29 3.01 0.00	47.44 2.89 0.00
G.F.CEMENT___DRP 24184	48.16 1.94 0.00	43.67 1.68 0.00	42.84 1.73 0.00	41.48 1.60 0.00	43.15 1.82 0.00	48.29 2.12 0.00	60.86 3.01 0.00	69.01 3.47 0.00	63.45 3.19 0.00	61.64 3.05 0.00	59.06 2.70 0.00	55.26 2.43 0.00	52.42 2.16 0.00	50.83 2.05 0.00	51.46 2.03 0.00	52.54 2.21 0.00	53.71 2.56 0.00	59.10 3.13 0.00	64.83 3.61 0.00	73.15 4.01 0.00	65.51 3.71 0.00	56.77 2.65 0.00	48.51 2.22 0.00	46.64 2.09 0.00
GARDENVILLE___LBMP 24039	47.65 1.43 0.00	42.99 1.01 0.00	42.34 1.23 0.00	41.20 1.32 0.00	42.57 1.24 0.00	46.86 0.69 0.00	57.85 0.00 0.00	63.64 -1.90 0.00	59.35 -0.90 0.00	56.96 -1.64 0.00	54.61 -1.75 0.00	51.08 -1.74 0.00	49.00 -1.26 0.00	46.83 -1.95 0.00	47.80 -1.63 0.00	48.66 -1.66 0.00	48.44 -2.71 0.00	51.77 -4.20 0.00	56.87 -4.35 0.00	64.57 -4.56 0.00	57.72 -4.08 0.00	50.54 -3.57 0.00	43.97 -2.31 0.00	43.25 -1.29 0.00
GARDNVLA_35_KV_LD 355827	47.93 1.71 0.00	43.25 1.26 0.00	42.55 1.44 0.00	41.44 1.56 0.00	42.78 1.45 0.00	47.09 0.92 0.00	58.14 0.29 0.00	64.03 -1.51 0.00	59.72 -0.54 0.00	57.31 -1.29 0.00	54.95 -1.41 0.00	51.40 -1.43 0.00	49.30 -0.95 0.00	47.12 -1.66 0.00	48.10 -1.33 0.00	48.96 -1.36 0.00	48.75 -2.40 0.00	52.11 -3.86 0.00	57.24 -3.98 0.00	64.99 -4.15 0.00	58.09 -3.71 0.00	50.81 -3.30 0.00	44.25 -2.04 0.00	43.57 -0.98 0.00
GELCKHM__115KV_LOAD 80723	46.17 -0.05 0.00	41.90 -0.08 0.00	41.07 -0.04 0.00	39.80 -0.08 0.00	41.25 -0.08 0.00	46.03 -0.14 0.00	57.80 -0.06 0.00	65.41 -0.13 0.00	60.14 -0.12 0.00	58.30 -0.29 0.00	56.07 -0.28 0.00	52.46 -0.37 0.00	49.95 -0.30 0.00	48.44 -0.34 0.00	49.08 -0.35 0.00	49.97 -0.35 0.00	50.74 -0.41 0.00	55.41 -0.56 0.00	60.79 -0.43 0.00	68.79 -0.35 0.00	61.37 -0.43 0.00	53.68 -0.43 0.00	45.96 -0.32 0.00	44.28 -0.27 0.00
GENERAL___MILLS 23808	47.79 1.57 0.00	43.12 1.13 0.00	42.43 1.32 0.00	41.32 1.44 0.00	42.69 1.36 0.00	47.00 0.83 0.00	57.97 0.12 0.00	63.84 -1.70 0.00	59.47 -0.78 0.00	57.07 -1.52 0.00	54.72 -1.63 0.00	51.19 -1.64 0.00	49.10 -1.16 0.00	46.93 -1.85 0.00	47.90 -1.53 0.00	48.76 -1.56 0.00	48.54 -2.61 0.00	51.88 -4.09 0.00	57.00 -4.22 0.00	64.71 -4.42 0.00	57.85 -3.96 0.00	50.65 -3.46 0.00	44.06 -2.22 0.00	43.39 -1.16 0.00
GE_PLASTICS___DRP 24183	46.35 0.14 0.00	42.15 0.17 0.00	41.28 0.16 0.00	40.04 0.16 0.00	41.49 0.17 0.00	46.31 0.14 0.00	58.14 0.29 0.00	65.87 0.33 0.00	60.62 0.36 0.00	59.12 0.53 0.00	56.92 0.56 0.00	53.36 0.53 0.00	50.66 0.40 0.00	49.22 0.44 0.00	49.88 0.44 0.00	50.77 0.45 0.00	51.77 0.61 0.00	56.81 0.84 0.00	62.02 0.80 0.00	69.97 0.83 0.00	62.61 0.80 0.00	54.76 0.65 0.00	46.84 0.56 0.00	45.08 0.53 0.00
GILBOA___1 23756	46.77 0.56 0.00	42.49 0.51 0.00	41.73 0.62 0.00	40.48 0.60 0.00	41.91 0.58 0.00	46.72 0.56 0.00	58.55 0.70 0.00	66.39 0.85 0.00	61.04 0.78 0.00	59.48 0.88 0.00	57.37 1.02 0.00	53.88 1.06 0.00	51.16 0.91 0.00	49.70 0.92 0.00	50.37 0.94 0.00	51.28 0.95 0.00	52.23 1.08 0.00	56.98 1.01 0.00	62.32 1.10 0.00	70.18 1.04 0.00	62.79 0.99 0.00	55.20 1.08 0.00	47.16 0.88 0.00	45.39 0.84 0.00
GILBOA___2 23757	46.77 0.56 0.00	42.49 0.51 0.00	41.73 0.62 0.00	40.48 0.60 0.00	41.91 0.58 0.00	46.72 0.56 0.00	58.55 0.70 0.00	66.39 0.85 0.00	61.04 0.78 0.00	59.48 0.88 0.00	57.37 1.02 0.00	53.88 1.06 0.00	51.16 0.91 0.00	49.70 0.92 0.00	50.37 0.94 0.00	51.28 0.95 0.00	52.23 1.08 0.00	56.98 1.01 0.00	62.32 1.10 0.00	70.18 1.04 0.00	62.79 0.99 0.00	55.20 1.08 0.00	47.16 0.88 0.00	45.39 0.84 0.00



GILBOA___3 23758	46.77 0.56 0.00	42.49 0.51 0.00	41.73 0.62 0.00	40.48 0.60 0.00	41.91 0.58 0.00	46.72 0.56 0.00	58.55 0.70 0.00	66.39 0.85 0.00	61.04 0.78 0.00	59.48 0.88 0.00	57.37 1.02 0.00	53.88 1.06 0.00	51.16 0.91 0.00	49.70 0.92 0.00	50.37 0.94 0.00	51.28 0.95 0.00	52.23 1.08 0.00	56.98 1.01 0.00	62.32 1.10 0.00	70.18 1.04 0.00	62.79 0.99 0.00	55.20 1.08 0.00	47.16 0.88 0.00	45.39 0.84 0.00
GILBOA___4 23759	46.77 0.56 0.00	42.49 0.51 0.00	41.73 0.62 0.00	40.48 0.60 0.00	41.91 0.58 0.00	46.72 0.56 0.00	58.55 0.70 0.00	66.39 0.85 0.00	61.04 0.78 0.00	59.48 0.88 0.00	57.37 1.02 0.00	53.88 1.06 0.00	51.16 0.91 0.00	49.70 0.92 0.00	50.37 0.94 0.00	51.28 0.95 0.00	52.23 1.08 0.00	56.98 1.01 0.00	62.32 1.10 0.00	70.18 1.04 0.00	62.79 0.99 0.00	55.20 1.08 0.00	47.16 0.88 0.00	45.39 0.84 0.00
GILBOA___ 23599	46.77 0.55 0.00	42.49 0.50 0.00	41.73 0.62 0.00	40.48 0.60 0.00	41.91 0.58 0.00	46.72 0.55 0.00	58.55 0.69 0.00	66.39 0.85 0.00	61.04 0.78 0.00	59.47 0.88 0.00	57.42 1.07 0.00	53.88 1.06 0.00	51.16 0.90 0.00	49.71 0.93 0.00	50.37 0.94 0.00	51.28 0.96 0.00	52.23 1.07 0.00	57.03 1.06 0.00	62.32 1.10 0.00	70.10 0.97 0.00	62.73 0.93 0.00	55.20 1.08 0.00	47.16 0.88 0.00	45.39 0.85 0.00
GINNA___ 23603	44.55 -1.66 0.00	40.43 -1.55 0.00	39.67 -1.44 0.00	38.49 -1.40 0.00	39.84 -1.49 0.00	44.46 -1.71 0.00	55.48 -2.37 0.00	62.66 -2.88 0.00	57.73 -2.53 0.00	55.78 -2.81 0.00	53.31 -3.04 0.00	49.66 -3.17 0.00	47.64 -2.62 0.00	46.19 -2.59 0.00	46.81 -2.62 0.00	47.76 -2.56 0.00	47.98 -3.17 0.00	52.33 -3.64 0.00	57.24 -3.98 0.00	64.85 -4.29 0.00	58.03 -3.77 0.00	50.76 -3.36 0.00	43.55 -2.73 0.00	42.23 -2.32 0.00
GLEN PARK___ 23778	46.31 0.09 0.00	42.20 0.21 0.00	41.28 0.17 0.00	40.16 0.28 0.00	41.78 0.46 0.00	46.95 0.78 0.00	59.30 1.45 0.00	67.57 2.03 0.00	61.34 1.09 0.00	58.71 0.12 0.00	56.07 -0.28 0.00	52.20 -0.63 0.00	49.80 -0.45 0.00	48.24 -0.54 0.00	48.79 -0.64 0.00	49.77 -0.55 0.00	50.39 -0.77 0.00	55.52 -0.45 0.00	61.40 0.18 0.00	70.18 1.04 0.00	62.60 0.80 0.00	54.50 0.38 0.00	46.38 0.09 0.00	44.59 0.04 0.00
GLENDALE_27_KV_LOAD 356172	48.35 2.13 -0.01	43.84 1.85 -0.01	42.72 1.60 -0.01	41.28 1.40 0.00	42.73 1.41 0.00	48.20 2.03 0.00	60.63 2.78 0.00	69.34 3.80 0.00	63.81 3.56 0.00	64.45 3.98 -1.87	60.79 3.94 -0.49	61.41 3.96 -4.63	60.29 3.62 -6.42	61.45 3.71 -8.96	61.40 3.76 -8.21	60.43 3.77 -6.34	61.37 4.04 -6.18	65.95 4.53 -5.45	70.59 4.71 -4.65	74.46 5.32 0.00	71.25 4.88 -4.57	61.42 3.95 -3.36	49.86 3.15 -0.43	47.81 2.85 -0.42
GLENWOOD_IC_1_G5 23712	48.11 1.89 0.00	43.58 1.60 0.00	42.43 1.32 0.00	40.96 1.08 0.00	42.49 1.16 0.00	47.92 1.75 0.00	60.05 2.20 0.00	68.62 3.08 0.00	63.33 3.07 0.00	61.82 3.22 0.00	59.85 3.49 0.00	56.38 3.54 -0.02	55.80 3.27 -2.27	56.77 3.32 -4.67	59.10 3.41 -6.26	60.15 3.37 -6.46	62.60 3.63 -7.82	65.35 4.09 -5.29	66.17 4.22 -0.73	73.92 4.77 -0.02	66.14 4.33 -0.02	62.34 3.57 -4.65	57.63 2.96 -8.38	47.28 2.72 -0.02
GLENWOOD_IC_2_G1 23688	47.88 1.66 0.00	43.37 1.38 0.00	42.26 1.15 0.00	40.88 1.00 0.00	42.36 1.03 0.00	47.74 1.57 0.00	59.88 2.02 0.00	68.36 2.82 0.00	63.03 2.77 0.00	61.52 2.93 0.00	59.40 3.04 0.00	56.05 3.22 0.00	53.27 2.91 -0.10	51.96 2.98 -0.20	52.76 3.07 -0.27	53.62 3.02 -0.28	54.76 3.28 -0.33	59.78 3.59 -0.23	65.11 3.86 -0.03	73.50 4.36 0.00	65.82 4.01 0.00	57.56 3.25 -0.20	49.33 2.68 -0.36	47.00 2.45 0.00
GLENWOOD_IC_3_G1 23689	47.88 1.66 0.00	43.37 1.38 0.00	42.26 1.15 0.00	40.88 1.00 0.00	42.36 1.03 0.00	47.74 1.57 0.00	59.88 2.02 0.00	68.36 2.82 0.00	63.03 2.77 0.00	61.52 2.93 0.00	59.40 3.04 0.00	56.05 3.22 0.00	53.27 2.91 -0.10	51.96 2.98 -0.20	52.76 3.07 -0.27	53.62 3.02 -0.28	54.76 3.28 -0.33	59.78 3.59 -0.23	65.11 3.86 -0.03	73.50 4.36 0.00	65.82 4.01 0.00	57.56 3.25 -0.20	49.33 2.68 -0.36	47.00 2.45 0.00
GLENWOOD___4 23550	48.11 1.89 0.00	43.58 1.60 0.00	42.43 1.32 0.00	40.96 1.08 0.00	42.49 1.16 0.00	47.92 1.75 0.00	60.05 2.20 0.00	68.62 3.08 0.00	63.33 3.07 0.00	61.82 3.22 0.00	59.85 3.49 0.00	56.38 3.54 -0.02	55.80 3.27 -2.27	56.77 3.32 -4.67	59.10 3.41 -6.26	60.15 3.37 -6.46	62.60 3.63 -7.82	65.35 4.09 -5.29	66.17 4.22 -0.73	73.92 4.77 -0.02	66.14 4.33 -0.02	62.34 3.57 -4.65	57.63 2.96 -8.38	47.28 2.72 -0.02
GLENWOOD___5 23614	48.11 1.89 0.00	43.58 1.60 0.00	42.43 1.32 0.00	40.96 1.08 0.00	42.49 1.16 0.00	47.92 1.75 0.00	60.05 2.20 0.00	68.62 3.08 0.00	63.33 3.07 0.00	61.82 3.22 0.00	59.85 3.49 0.00	56.38 3.54 -0.02	55.80 3.27 -2.27	56.77 3.32 -4.67	59.10 3.41 -6.26	60.15 3.37 -6.46	62.60 3.63 -7.82	65.35 4.09 -5.29	66.17 4.22 -0.73	73.92 4.77 -0.02	66.14 4.33 -0.02	62.34 3.57 -4.65	57.63 2.96 -8.38	47.28 2.72 -0.02
GLOBAL GREEN_PORT_GT1 23814	48.02 1.80 0.00	43.29 1.30 0.00	41.98 0.86 0.00	40.24 0.36 0.00	41.62 0.29 0.00	47.18 1.01 0.00	58.72 0.87 0.00	67.37 1.83 0.00	62.49 2.23 0.00	60.12 1.52 0.00	58.04 1.69 0.00	55.22 2.38 -0.01	53.77 2.21 -1.30	53.84 2.39 -2.68	55.88 2.87 -3.58	57.24 3.22 -3.70	59.21 3.58 -4.48	63.14 4.14 -3.03	65.92 4.28 -0.42	73.71 4.56 -0.01	66.07 4.26 -0.01	60.62 3.84 -2.66	54.56 3.47 -4.80	48.07 3.52 -0.01
GLOBE___DSASP 323697	46.77 0.55 0.00	41.69 -0.29 0.00	41.65 0.53 0.00	40.00 0.12 0.00	41.87 0.54 0.00	46.03 -0.14 0.00	55.94 -1.91 0.00	61.61 -3.93 0.00	57.31 -2.95 0.00	55.02 -3.57 0.00	52.86 -3.49 0.00	49.55 -3.28 0.00	47.54 -2.71 0.00	45.41 -3.37 0.00	46.42 -3.02 0.00	47.30 -3.02 0.00	46.96 -4.19 0.00	50.09 -5.88 0.00	54.98 -6.24 0.00	62.50 -6.64 0.00	55.93 -5.87 0.00	49.14 -4.98 0.00	42.86 -3.43 0.00	42.14 -2.41 0.00
GOETHSLN___LBMP 323567	47.74 1.53 0.00	43.33 1.34 0.00	42.18 1.07 0.00	40.84 0.96 0.00	42.28 0.95 0.00	47.60 1.43 0.00	59.99 2.14 0.00	68.56 3.01 0.00	63.03 2.77 0.00	61.82 3.22 0.00	59.62 3.27 0.00	56.16 3.33 0.00	53.27 3.02 0.00	51.85 3.07 0.00	52.59 3.16 0.00	53.49 3.17 0.00	54.53 3.38 0.00	59.83 3.86 0.00	65.14 3.92 0.00	73.56 4.42 0.00	65.88 4.08 0.00	57.42 3.30 0.00	48.88 2.59 0.00	46.82 2.27 0.00
GOLAH___69_KV_TB 1_2 80279	47.00 0.79 0.00	42.62 0.63 0.00	41.85 0.74 0.00	40.68 0.80 0.00	42.07 0.74 0.00	46.86 0.69 0.00	58.32 0.46 0.00	65.34 -0.20 0.00	60.20 -0.06 0.00	57.89 -0.70 0.00	55.40 -0.96 0.00	51.61 -1.22 0.00	49.40 -0.85 0.00	47.66 -1.12 0.00	48.49 -0.94 0.00	49.42 -0.91 0.00	49.51 -1.64 0.00	53.68 -2.29 0.00	58.96 -2.27 0.00	66.99 -2.14 0.00	60.01 -1.79 0.00	52.44 -1.68 0.00	45.27 -1.02 0.00	44.06 -0.49 0.00



GOODYEAR_LAKE_HYD 323669	48.02 1.80 0.00	43.62 1.64 0.00	42.76 1.64 0.00	41.48 1.60 0.00	43.06 1.74 0.00	48.15 1.99 0.00	60.63 2.78 0.00	68.82 3.28 0.00	63.09 2.83 0.00	61.06 2.46 0.00	58.66 2.31 0.00	54.94 2.11 0.00	52.32 2.06 0.00	50.73 1.95 0.00	51.41 1.98 0.00	52.33 2.01 0.00	53.25 2.10 0.00	58.32 2.35 0.00	63.91 2.69 0.00	72.32 3.18 0.00	64.52 2.72 0.00	56.44 2.33 0.00	48.18 1.90 0.00	46.37 1.83 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	47.05 0.83 0.00	42.70 0.71 0.00	41.89 0.78 0.00	40.64 0.76 0.00	42.11 0.79 0.00	46.86 0.69 0.00	58.78 0.93 0.00	66.33 0.79 0.00	60.92 0.66 0.00	58.89 0.29 0.00	56.52 0.17 0.00	52.88 0.05 0.00	50.46 0.20 0.00	48.73 -0.05 0.00	49.48 0.05 0.00	50.37 0.05 0.00	51.05 -0.10 0.00	55.63 -0.34 0.00	61.04 -0.18 0.00	69.07 -0.07 0.00	61.62 -0.19 0.00	53.95 -0.16 0.00	46.24 -0.05 0.00	44.72 0.18 0.00
GOUDEY___7 23579	47.05 0.83 0.00	42.70 0.71 0.00	41.89 0.78 0.00	40.64 0.76 0.00	42.11 0.79 0.00	46.86 0.69 0.00	58.78 0.93 0.00	66.33 0.79 0.00	60.92 0.66 0.00	58.89 0.29 0.00	56.52 0.17 0.00	52.88 0.05 0.00	50.46 0.20 0.00	48.73 -0.05 0.00	49.48 0.05 0.00	50.37 0.05 0.00	51.05 -0.10 0.00	55.63 -0.34 0.00	61.04 -0.18 0.00	69.07 -0.07 0.00	61.62 -0.19 0.00	53.95 -0.16 0.00	46.24 -0.05 0.00	44.72 0.18 0.00
GOUDEY___8 23580	47.05 0.83 0.00	42.70 0.71 0.00	41.89 0.78 0.00	40.64 0.76 0.00	42.11 0.79 0.00	46.86 0.69 0.00	58.78 0.93 0.00	66.33 0.79 0.00	60.92 0.66 0.00	58.89 0.29 0.00	56.52 0.17 0.00	52.88 0.05 0.00	50.46 0.20 0.00	48.73 -0.05 0.00	49.48 0.05 0.00	50.37 0.05 0.00	51.05 -0.10 0.00	55.63 -0.34 0.00	61.04 -0.18 0.00	69.07 -0.07 0.00	61.62 -0.19 0.00	53.95 -0.16 0.00	46.24 -0.05 0.00	44.72 0.18 0.00
GOWANUS_GT1_1 24077	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24
GOWANUS_GT1_2 24078	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24
GOWANUS_GT1_3 24079	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24
GOWANUS_GT1_4 24080	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24
GOWANUS_GT1_5 24084	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24
GOWANUS_GT1_6 24111	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24
GOWANUS_GT1_7 24112	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24
GOWANUS_GT1_8 24113	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24
GOWANUS_GT2_1 24114	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
GOWANUS_GT2_2 24115	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
GOWANUS_GT2_3 24116	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24



GOWANUS_GT2_4 24117	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
GOWANUS_GT2_5 24118	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
GOWANUS_GT2_6 24119	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
GOWANUS_GT2_7 24120	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
GOWANUS_GT2_8 24121	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
GOWANUS_GT3_1 24122	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
GOWANUS_GT3_2 24123	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
GOWANUS_GT3_3 24124	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
GOWANUS_GT3_4 24125	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
GOWANUS_GT3_5 24126	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
GOWANUS_GT3_6 24127	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
GOWANUS_GT3_7 24128	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
GOWANUS_GT3_8 24129	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
GOWANUS_GT4_1 24130	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24
GOWANUS_GT4_2 24131	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24



GOWANUS_GT4_3 24132	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24
GOWANUS_GT4_4 24133	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24
GOWANUS_GT4_5 24134	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24
GOWANUS_GT4_6 24135	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24
GOWANUS_GT4_7 24136	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24
GOWANUS_GT4_8 24137	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24
GREENBSH_115KV_TB3 55895	46.03 -0.18 0.00	41.86 -0.13 0.00	40.99 -0.12 0.00	39.80 -0.08 0.00	41.25 -0.08 0.00	46.03 -0.14 0.00	57.80 -0.06 0.00	65.48 -0.07 0.00	60.26 0.00 0.00	58.77 0.18 0.00	56.58 0.23 0.00	53.09 0.26 0.00	50.36 0.10 0.00	48.93 0.15 0.00	49.58 0.15 0.00	50.52 0.20 0.00	51.51 0.36 0.00	56.53 0.56 0.00	61.77 0.55 0.00	69.62 0.48 0.00	62.36 0.56 0.00	54.49 0.38 0.00	46.61 0.32 0.00	44.90 0.36 0.00
GREENDGE_115KV_TB5 80291	47.51 1.29 0.00	43.08 1.09 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.53 1.20 0.00	47.37 1.20 0.00	59.01 1.16 0.00	66.46 0.92 0.00	60.86 0.60 0.00	58.42 -0.18 0.00	55.90 -0.45 0.00	52.56 -0.26 0.00	50.16 -0.10 0.00	48.39 -0.39 0.00	49.13 -0.30 0.00	50.07 -0.25 0.00	50.69 -0.46 0.00	54.79 -1.18 0.00	60.49 -0.73 0.00	68.51 -0.62 0.00	61.00 -0.80 0.00	53.68 -0.43 0.00	46.01 -0.28 0.00	44.55 0.00 0.00
GREENIDGE___3 23582	47.51 1.29 0.00	43.08 1.09 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.53 1.20 0.00	47.37 1.20 0.00	59.01 1.16 0.00	66.46 0.92 0.00	60.86 0.60 0.00	58.42 -0.18 0.00	55.90 -0.45 0.00	52.56 -0.26 0.00	50.16 -0.10 0.00	48.39 -0.39 0.00	49.13 -0.30 0.00	50.07 -0.25 0.00	50.69 -0.46 0.00	54.79 -1.18 0.00	60.49 -0.73 0.00	68.51 -0.62 0.00	61.00 -0.80 0.00	53.68 -0.43 0.00	46.01 -0.28 0.00	44.55 0.00 0.00
GREENIDGE___4 23583	47.51 1.29 0.00	43.08 1.09 0.00	42.30 1.19 0.00	40.96 1.08 0.00	42.53 1.20 0.00	47.37 1.20 0.00	59.01 1.16 0.00	66.46 0.92 0.00	60.86 0.60 0.00	58.42 -0.18 0.00	55.85 -0.51 0.00	52.51 -0.32 0.00	50.16 -0.10 0.00	48.44 -0.34 0.00	49.14 -0.29 0.00	50.12 -0.20 0.00	50.69 -0.46 0.00	54.85 -1.12 0.00	60.49 -0.73 0.00	68.51 -0.62 0.00	61.00 -0.81 0.00	53.36 -0.76 0.00	46.01 -0.28 0.00	44.55 0.00 0.00
GREENLWN_69_KV_BK 3 55738	48.06 1.85 0.00	43.41 1.43 0.00	42.18 1.07 0.00	40.68 0.80 0.00	42.24 0.91 0.00	47.78 1.62 0.00	59.47 1.62 0.00	68.03 2.49 0.00	62.97 2.71 0.00	61.17 2.58 0.00	59.51 3.16 0.00	56.11 3.28 -0.01	54.61 3.02 -1.34	54.66 3.12 -2.76	56.29 3.16 -3.69	57.36 3.22 -3.81	59.19 3.43 -4.61	63.01 3.92 -3.13	65.69 4.04 -0.43	73.71 4.56 -0.01	65.95 4.14 -0.01	60.32 3.46 -2.74	54.20 2.96 -4.95	47.36 2.81 -0.01
GREENWD_138_KV_38B11_REV_LBMP_J 345004	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24
GRISSOM___SOLAR 323813	48.80 2.59 0.00	44.25 2.27 0.00	43.41 2.30 0.00	42.03 2.15 0.00	43.77 2.44 0.00	48.98 2.82 0.00	61.84 3.99 0.00	70.00 4.46 0.00	64.06 3.80 0.00	61.70 3.10 0.00	58.95 2.59 0.00	55.10 2.27 0.00	52.52 2.26 0.00	50.92 2.14 0.00	51.51 2.08 0.00	52.64 2.32 0.00	53.86 2.71 0.00	59.44 3.47 0.00	65.57 4.35 0.00	74.05 4.91 0.00	66.25 4.45 0.00	57.53 3.41 0.00	49.06 2.78 0.00	47.22 2.67 0.00
GROVEVILLE___HYD 323602	47.60 1.39 0.00	43.25 1.26 0.00	42.22 1.11 0.00	40.88 1.00 0.00	42.36 1.03 0.00	47.60 1.43 0.00	59.99 2.14 0.00	68.29 2.75 0.00	62.85 2.59 0.00	61.47 2.87 0.00	59.17 2.82 0.00	55.57 2.75 0.00	52.77 2.51 0.00	51.37 2.59 0.00	52.10 2.67 0.00	52.99 2.67 0.00	54.12 2.97 0.00	59.38 3.41 0.00	64.71 3.49 0.00	73.15 4.01 0.00	65.39 3.58 0.00	57.09 2.98 0.00	48.64 2.36 0.00	46.69 2.14 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	46.49 0.28 0.00	42.24 0.25 0.00	41.36 0.25 0.00	40.08 0.20 0.00	41.54 0.21 0.00	46.35 0.18 0.00	58.26 0.40 0.00	65.93 0.39 0.00	60.62 0.36 0.00	58.77 0.18 0.00	56.47 0.11 0.00	52.83 0.00 0.00	50.31 0.05 0.00	48.73 -0.05 0.00	49.38 -0.05 0.00	50.32 0.00 0.00	51.05 -0.10 0.00	55.75 -0.22 0.00	61.22 0.00 0.00	69.28 0.14 0.00	61.80 0.00 0.00	54.06 -0.05 0.00	46.28 0.00 0.00	44.59 0.04 0.00



HAMLTNNY_34_KV_TB 80303	46.58 0.37 0.00	42.32 0.34 0.00	41.48 0.37 0.00	40.16 0.28 0.00	41.66 0.33 0.00	46.49 0.32 0.00	58.37 0.52 0.00	66.13 0.59 0.00	60.74 0.48 0.00	58.83 0.23 0.00	56.52 0.17 0.00	52.83 0.00 0.00	50.36 0.10 0.00	48.78 0.00 0.00	49.43 0.00 0.00	50.37 0.05 0.00	51.10 -0.05 0.00	55.80 -0.17 0.00	61.28 0.06 0.00	69.34 0.21 0.00	61.86 0.06 0.00	54.12 0.00 0.00	46.33 0.05 0.00	44.68 0.13 0.00
HAMPSHIRE___PAPER_HYD 323593	45.24 -0.97 0.00	41.19 -0.80 0.00	40.29 -0.82 0.00	39.20 -0.68 0.00	40.71 -0.62 0.00	45.66 -0.51 0.00	57.33 -0.52 0.00	65.09 -0.46 0.00	59.41 -0.84 0.00	57.48 -1.12 0.00	55.11 -1.24 0.00	51.45 -1.37 0.00	49.05 -1.21 0.00	47.66 -1.12 0.00	48.20 -1.23 0.00	49.07 -1.26 0.00	49.67 -1.49 0.00	54.63 -1.34 0.00	59.69 -1.53 0.00	67.62 -1.52 0.00	60.38 -1.42 0.00	52.82 -1.30 0.00	45.13 -1.16 0.00	43.39 -1.16 0.00
HARDSCRABBLE_WT_PWR 323673	45.24 -0.97 0.00	41.19 -0.80 0.00	40.37 -0.74 0.00	39.24 -0.64 0.00	40.79 -0.54 0.00	45.66 -0.51 0.00	57.39 -0.46 0.00	65.15 -0.39 0.00	59.77 -0.48 0.00	58.01 -0.59 0.00	55.74 -0.62 0.00	52.20 -0.63 0.00	49.65 -0.60 0.00	48.20 -0.58 0.00	48.74 -0.69 0.00	49.62 -0.70 0.00	50.39 -0.77 0.00	55.13 -0.84 0.00	60.24 -0.98 0.00	68.10 -1.04 0.00	60.63 -1.18 0.00	52.76 -1.35 0.00	44.85 -1.44 0.00	42.90 -1.65 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	47.32 1.11 0.00	42.99 1.01 0.00	41.97 0.86 0.00	40.64 0.76 0.00	42.11 0.79 0.00	47.28 1.11 0.00	59.59 1.74 0.00	67.90 2.36 0.00	62.49 2.23 0.00	61.06 2.46 0.00	58.78 2.42 0.00	55.26 2.43 0.00	52.47 2.21 0.00	51.07 2.29 0.00	51.80 2.37 0.00	52.69 2.37 0.00	53.81 2.66 0.00	59.05 3.08 0.00	64.34 3.12 0.00	72.66 3.53 0.00	64.95 3.15 0.00	56.71 2.60 0.00	48.37 2.08 0.00	46.37 1.83 0.00
HARSNRAD_115KV_TB1 81005	46.95 0.74 0.00	42.57 0.59 0.00	41.73 0.62 0.00	40.80 0.92 0.00	41.95 0.62 0.00	46.21 0.05 0.00	56.87 -0.98 0.00	62.79 -2.75 0.00	58.27 -1.99 0.00	55.90 -2.70 0.00	53.65 -2.70 0.00	50.19 -2.64 0.00	48.20 -2.06 0.00	46.05 -2.73 0.00	47.06 -2.37 0.00	47.96 -2.37 0.00	47.67 -3.48 0.00	50.93 -5.04 0.00	55.96 -5.26 0.00	63.54 -5.60 0.00	56.92 -4.88 0.00	49.84 -4.28 0.00	43.41 -2.87 0.00	42.68 -1.87 0.00
HARZA MOOSE___RIVER 24016	46.58 0.37 0.00	42.41 0.42 0.00	41.52 0.41 0.00	40.36 0.48 0.00	41.91 0.58 0.00	46.95 0.78 0.00	59.13 1.27 0.00	67.18 1.64 0.00	61.40 1.14 0.00	59.24 0.64 0.00	56.80 0.45 0.00	53.09 0.26 0.00	50.56 0.30 0.00	49.07 0.29 0.00	49.68 0.25 0.00	50.57 0.25 0.00	51.15 0.00 0.00	56.14 0.17 0.00	61.65 0.43 0.00	69.83 0.69 0.00	62.30 0.49 0.00	54.39 0.27 0.00	46.38 0.09 0.00	44.64 0.09 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	46.17 -0.05 0.00	41.94 -0.04 0.00	41.11 0.00 0.00	39.80 -0.08 0.00	41.29 -0.04 0.00	46.03 -0.14 0.00	57.80 -0.06 0.00	65.48 -0.07 0.00	60.20 -0.06 0.00	58.36 -0.23 0.00	56.13 -0.23 0.00	52.51 -0.32 0.00	50.00 -0.25 0.00	48.44 -0.34 0.00	49.13 -0.30 0.00	50.02 -0.30 0.00	50.74 -0.41 0.00	55.41 -0.56 0.00	60.85 -0.37 0.00	68.79 -0.35 0.00	61.37 -0.43 0.00	53.68 -0.43 0.00	45.96 -0.32 0.00	44.32 -0.22 0.00
HELLGATE_13_KV_LD 55870	48.21 1.99 -0.01	43.72 1.72 -0.01	42.60 1.48 -0.01	41.12 1.24 0.00	42.61 1.28 0.00	48.01 1.85 0.00	60.40 2.55 0.00	69.01 3.47 0.00	63.51 3.25 0.00	64.15 3.69 -1.87	60.56 3.72 -0.49	61.15 3.70 -4.62	60.09 3.42 -6.42	61.20 3.46 -8.96	61.20 3.56 -8.21	60.23 3.57 -6.33	61.11 3.79 -6.18	65.67 4.25 -5.45	70.28 4.41 -4.65	74.11 4.98 0.00	70.94 4.57 -4.57	61.20 3.73 -3.35	49.68 2.96 -0.43	47.63 2.67 -0.41
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	48.21 1.99 -0.01	43.72 1.72 -0.01	42.60 1.48 -0.01	41.12 1.24 0.00	42.61 1.28 0.00	48.01 1.85 0.00	60.40 2.55 0.00	69.01 3.47 0.00	63.51 3.25 0.00	64.15 3.69 -1.87	60.56 3.72 -0.49	61.15 3.70 -4.62	60.09 3.42 -6.42	61.20 3.46 -8.96	61.20 3.56 -8.21	60.23 3.57 -6.33	61.11 3.79 -6.18	65.67 4.25 -5.45	70.28 4.41 -4.65	74.11 4.98 0.00	70.94 4.57 -4.57	61.20 3.73 -3.35	49.68 2.96 -0.43	47.63 2.67 -0.41
HEMPSTEAD____ 23647	48.02 1.80 0.00	43.42 1.43 0.00	42.22 1.11 0.00	40.76 0.88 0.00	42.28 0.95 0.00	47.78 1.62 0.00	59.59 1.73 0.00	68.17 2.62 0.00	63.03 2.77 0.00	61.35 2.75 0.00	59.34 2.98 0.00	56.12 3.28 -0.01	55.19 2.96 -1.97	55.85 3.03 -4.04	57.96 3.12 -5.42	59.03 3.12 -5.59	61.24 3.32 -6.77	64.19 3.64 -4.58	65.77 3.92 -0.63	73.58 4.43 -0.01	65.89 4.08 -0.01	61.55 3.41 -4.02	56.41 2.87 -7.26	47.23 2.67 -0.01
HEWLETT_69_KV_BK3 55828	48.39 2.17 0.00	43.71 1.72 0.00	42.51 1.40 0.00	41.00 1.12 0.00	42.53 1.20 0.00	48.11 1.94 0.00	59.99 2.14 0.00	68.62 3.08 0.00	63.45 3.19 0.00	61.76 3.16 0.00	60.02 3.66 0.00	56.59 3.75 -0.01	55.79 3.42 -2.12	56.60 3.46 -4.35	58.77 3.51 -5.83	59.86 3.52 -6.02	62.17 3.73 -7.28	65.10 4.20 -4.93	66.31 4.41 -0.68	74.20 5.05 -0.01	66.39 4.57 -0.01	62.24 3.79 -4.33	57.29 3.19 -7.81	47.59 3.03 -0.01
HICKLING___1 23621	47.60 1.39 0.00	43.12 1.13 0.00	42.39 1.27 0.00	41.12 1.24 0.00	42.61 1.28 0.00	47.28 1.11 0.00	59.18 1.33 0.00	66.39 0.85 0.00	60.92 0.66 0.00	58.42 -0.18 0.00	55.96 -0.39 0.00	52.35 -0.48 0.00	50.05 -0.20 0.00	48.15 -0.63 0.00	48.94 -0.49 0.00	49.82 -0.50 0.00	50.33 -0.82 0.00	54.57 -1.40 0.00	60.12 -1.10 0.00	68.03 -1.11 0.00	60.50 -1.30 0.00	52.92 -1.19 0.00	45.45 -0.83 0.00	44.23 -0.31 0.00
HICKLING___2 23622	47.60 1.39 0.00	43.12 1.13 0.00	42.39 1.27 0.00	41.12 1.24 0.00	42.61 1.28 0.00	47.28 1.11 0.00	59.18 1.33 0.00	66.39 0.85 0.00	60.92 0.66 0.00	58.42 -0.18 0.00	55.96 -0.39 0.00	52.35 -0.48 0.00	50.05 -0.20 0.00	48.15 -0.63 0.00	48.94 -0.49 0.00	49.82 -0.50 0.00	50.33 -0.82 0.00	54.57 -1.40 0.00	60.12 -1.10 0.00	68.03 -1.11 0.00	60.50 -1.30 0.00	52.92 -1.19 0.00	45.45 -0.83 0.00	44.23 -0.31 0.00
HIGH FALLS___HY 23754	47.51 1.29 0.00	43.16 1.18 0.00	42.14 1.03 0.00	40.80 0.92 0.00	42.28 0.95 0.00	47.51 1.34 0.00	59.94 2.08 0.00	68.23 2.69 0.00	62.73 2.47 0.00	61.23 2.64 0.00	58.95 2.59 0.00	55.36 2.54 0.00	52.57 2.31 0.00	51.12 2.34 0.00	51.85 2.42 0.00	52.79 2.47 0.00	53.91 2.76 0.00	59.27 3.30 0.00	64.65 3.43 0.00	73.08 3.94 0.00	65.32 3.52 0.00	57.04 2.92 0.00	48.60 2.31 0.00	46.60 2.05 0.00
HIGH_RIVER___SOLAR 323847	47.79 1.57 0.00	43.37 1.38 0.00	42.51 1.40 0.00	41.20 1.31 0.00	42.77 1.45 0.00	47.83 1.66 0.00	60.23 2.37 0.00	68.03 2.49 0.00	62.42 2.17 0.00	60.23 1.64 0.00	57.70 1.35 0.00	53.94 1.11 0.00	51.36 1.10 0.00	49.85 1.07 0.00	50.52 1.09 0.00	51.53 1.21 0.00	52.74 1.59 0.00	58.15 2.18 0.00	63.91 2.69 0.00	72.18 3.04 0.00	64.65 2.84 0.00	56.28 2.17 0.00	48.09 1.80 0.00	46.24 1.69 0.00



HILLBURN___GT 23639	47.37 1.16 0.00	43.04 1.05 0.00	41.98 0.86 0.00	40.68 0.80 0.00	42.11 0.78 0.00	47.32 1.15 0.00	59.59 1.73 0.00	67.90 2.36 0.00	62.55 2.29 0.00	61.11 2.52 0.00	58.83 2.48 0.00	55.42 2.59 0.00	52.57 2.31 0.00	51.17 2.39 0.00	51.90 2.47 0.00	52.79 2.47 0.00	53.86 2.71 0.00	58.93 2.96 0.00	64.40 3.18 0.00	72.73 3.59 0.00	65.08 3.27 0.00	56.77 2.65 0.00	48.41 2.13 0.00	46.42 1.87 0.00
HILLSIDE_115KV_TB1 80332	46.86 0.65 0.00	42.49 0.50 0.00	41.73 0.62 0.00	40.52 0.64 0.00	41.95 0.62 0.00	46.54 0.37 0.00	58.20 0.35 0.00	65.34 -0.20 0.00	60.02 -0.24 0.00	57.66 -0.94 0.00	55.28 -1.07 0.00	51.77 -1.06 0.00	49.40 -0.85 0.00	47.61 -1.17 0.00	48.34 -1.09 0.00	49.21 -1.11 0.00	49.72 -1.43 0.00	53.95 -2.01 0.00	59.38 -1.84 0.00	67.20 -1.94 0.00	59.89 -1.92 0.00	52.38 -1.73 0.00	44.99 -1.30 0.00	43.79 -0.76 0.00
HISHELDN_WT_PWR 323625	47.14 0.92 0.00	42.62 0.63 0.00	41.93 0.82 0.00	40.68 0.80 0.00	42.20 0.87 0.00	46.63 0.46 0.00	57.68 -0.17 0.00	63.97 -1.57 0.00	58.75 -1.50 0.00	56.14 -2.46 0.00	53.71 -2.65 0.00	50.29 -2.53 0.00	48.30 -1.96 0.00	46.39 -2.39 0.00	47.16 -2.27 0.00	48.11 -2.21 0.00	48.08 -3.07 0.00	51.94 -4.03 0.00	56.88 -4.35 0.00	63.88 -5.26 0.00	56.92 -4.88 0.00	49.95 -4.17 0.00	43.00 -3.29 0.00	42.14 -2.41 0.00
HOLTSVILLE_IC_1 23690	47.65 1.43 0.00	42.99 1.01 0.00	41.73 0.62 0.00	40.20 0.32 0.00	41.74 0.41 0.00	47.32 1.15 0.00	58.55 0.70 0.00	66.92 1.38 0.00	61.94 1.68 0.00	59.94 1.35 0.00	58.21 1.86 0.00	55.27 2.43 -0.01	53.76 2.21 -1.30	53.74 2.29 -2.67	55.48 2.47 -3.58	56.53 2.52 -3.69	58.38 2.76 -4.47	62.13 3.13 -3.02	65.00 3.36 -0.42	72.88 3.73 -0.01	65.21 3.40 -0.01	59.69 2.92 -2.66	53.76 2.68 -4.79	47.18 2.63 -0.01
HOLTSVILLE_IC_10 23699	47.83 1.62 0.00	43.12 1.13 0.00	41.89 0.78 0.00	40.32 0.44 0.00	41.86 0.54 0.00	47.51 1.34 0.00	58.84 0.98 0.00	67.24 1.70 0.00	62.31 2.05 0.00	60.23 1.64 0.00	58.49 2.14 0.00	55.53 2.69 -0.01	54.03 2.46 -1.31	54.06 2.58 -2.70	55.81 2.77 -3.61	56.92 2.87 -3.73	58.73 3.07 -4.51	62.55 3.53 -3.05	65.44 3.80 -0.42	73.36 4.22 -0.01	65.64 3.83 -0.01	60.10 3.30 -2.68	54.04 2.92 -4.84	47.41 2.85 -0.01
HOLTSVILLE_IC_2 23691	47.65 1.43 0.00	42.99 1.01 0.00	41.73 0.62 0.00	40.20 0.32 0.00	41.74 0.41 0.00	47.32 1.15 0.00	58.55 0.70 0.00	66.92 1.38 0.00	61.94 1.68 0.00	59.94 1.35 0.00	58.21 1.86 0.00	55.27 2.43 -0.01	53.76 2.21 -1.30	53.74 2.29 -2.67	55.48 2.47 -3.58	56.53 2.52 -3.69	58.38 2.76 -4.47	62.13 3.13 -3.02	65.00 3.36 -0.42	72.88 3.73 -0.01	65.21 3.40 -0.01	59.69 2.92 -2.66	53.76 2.68 -4.79	47.18 2.63 -0.01
HOLTSVILLE_IC_3 23692	47.65 1.43 0.00	42.99 1.01 0.00	41.73 0.62 0.00	40.20 0.32 0.00	41.74 0.41 0.00	47.32 1.15 0.00	58.55 0.70 0.00	66.92 1.38 0.00	61.94 1.68 0.00	59.94 1.35 0.00	58.21 1.86 0.00	55.27 2.43 -0.01	53.76 2.21 -1.30	53.74 2.29 -2.67	55.48 2.47 -3.58	56.53 2.52 -3.69	58.38 2.76 -4.47	62.13 3.13 -3.02	65.00 3.36 -0.42	72.88 3.73 -0.01	65.21 3.40 -0.01	59.69 2.92 -2.66	53.76 2.68 -4.79	47.18 2.63 -0.01
HOLTSVILLE_IC_4 23693	47.65 1.43 0.00	42.99 1.01 0.00	41.73 0.62 0.00	40.20 0.32 0.00	41.74 0.41 0.00	47.32 1.15 0.00	58.55 0.70 0.00	66.92 1.38 0.00	61.94 1.68 0.00	59.94 1.35 0.00	58.21 1.86 0.00	55.27 2.43 -0.01	53.76 2.21 -1.30	53.74 2.29 -2.67	55.48 2.47 -3.58	56.53 2.52 -3.69	58.38 2.76 -4.47	62.13 3.13 -3.02	65.00 3.36 -0.42	72.88 3.73 -0.01	65.21 3.40 -0.01	59.69 2.92 -2.66	53.76 2.68 -4.79	47.18 2.63 -0.01
HOLTSVILLE_IC_5 23694	47.65 1.43 0.00	42.99 1.01 0.00	41.73 0.62 0.00	40.20 0.32 0.00	41.74 0.41 0.00	47.32 1.15 0.00	58.55 0.70 0.00	66.92 1.38 0.00	61.94 1.68 0.00	59.94 1.35 0.00	58.21 1.86 0.00	55.27 2.43 -0.01	53.76 2.21 -1.30	53.74 2.29 -2.67	55.48 2.47 -3.58	56.53 2.52 -3.69	58.38 2.76 -4.47	62.13 3.13 -3.02	65.00 3.36 -0.42	72.88 3.73 -0.01	65.21 3.40 -0.01	59.69 2.92 -2.66	53.76 2.68 -4.79	47.18 2.63 -0.01
HOLTSVILLE_IC_6 23695	47.83 1.62 0.00	43.12 1.13 0.00	41.89 0.78 0.00	40.32 0.44 0.00	41.86 0.54 0.00	47.51 1.34 0.00	58.84 0.98 0.00	67.24 1.70 0.00	62.31 2.05 0.00	60.23 1.64 0.00	58.49 2.14 0.00	55.53 2.69 -0.01	54.03 2.46 -1.31	54.06 2.58 -2.70	55.81 2.77 -3.61	56.92 2.87 -3.73	58.73 3.07 -4.51	62.55 3.53 -3.05	65.44 3.80 -0.42	73.36 4.22 -0.01	65.64 3.83 -0.01	60.10 3.30 -2.68	54.04 2.92 -4.84	47.41 2.85 -0.01
HOLTSVILLE_IC_7 23696	47.83 1.62 0.00	43.12 1.13 0.00	41.89 0.78 0.00	40.32 0.44 0.00	41.86 0.54 0.00	47.51 1.34 0.00	58.84 0.98 0.00	67.24 1.70 0.00	62.31 2.05 0.00	60.23 1.64 0.00	58.49 2.14 0.00	55.53 2.69 -0.01	54.03 2.46 -1.31	54.06 2.58 -2.70	55.81 2.77 -3.61	56.92 2.87 -3.73	58.73 3.07 -4.51	62.55 3.53 -3.05	65.44 3.80 -0.42	73.36 4.22 -0.01	65.64 3.83 -0.01	60.10 3.30 -2.68	54.04 2.92 -4.84	47.41 2.85 -0.01
HOLTSVILLE_IC_8 23697	47.83 1.62 0.00	43.12 1.13 0.00	41.89 0.78 0.00	40.32 0.44 0.00	41.86 0.54 0.00	47.51 1.34 0.00	58.84 0.98 0.00	67.24 1.70 0.00	62.31 2.05 0.00	60.23 1.64 0.00	58.49 2.14 0.00	55.53 2.69 -0.01	54.03 2.46 -1.31	54.06 2.58 -2.70	55.81 2.77 -3.61	56.92 2.87 -3.73	58.73 3.07 -4.51	62.55 3.53 -3.05	65.44 3.80 -0.42	73.36 4.22 -0.01	65.64 3.83 -0.01	60.10 3.30 -2.68	54.04 2.92 -4.84	47.41 2.85 -0.01
HOLTSVILLE_IC_9 23698	47.83 1.62 0.00	43.12 1.13 0.00	41.89 0.78 0.00	40.32 0.44 0.00	41.86 0.54 0.00	47.51 1.34 0.00	58.84 0.98 0.00	67.24 1.70 0.00	62.31 2.05 0.00	60.23 1.64 0.00	58.49 2.14 0.00	55.53 2.69 -0.01	54.03 2.46 -1.31	54.06 2.58 -2.70	55.81 2.77 -3.61	56.92 2.87 -3.73	58.73 3.07 -4.51	62.55 3.53 -3.05	65.44 3.80 -0.42	73.36 4.22 -0.01	65.64 3.83 -0.01	60.10 3.30 -2.68	54.04 2.92 -4.84	47.41 2.85 -0.01
HOMER_HL_115KV_TB2 355744	47.56 1.34 0.00	42.95 0.97 0.00	42.26 1.15 0.00	41.12 1.24 0.00	42.49 1.16 0.00	46.86 0.69 0.00	58.37 0.52 0.00	65.08 -0.46 0.00	59.72 -0.54 0.00	57.19 -1.41 0.00	54.61 -1.75 0.00	51.03 -1.80 0.00	48.85 -1.41 0.00	46.73 -2.05 0.00	47.55 -1.88 0.00	48.36 -1.96 0.00	48.39 -2.76 0.00	52.05 -3.92 0.00	57.24 -3.98 0.00	64.99 -4.15 0.00	57.91 -3.89 0.00	50.60 -3.52 0.00	43.79 -2.50 0.00	43.25 -1.29 0.00
HOWARD_WT_PWR 323690	48.16 1.94 0.00	43.62 1.64 0.00	42.88 1.77 0.00	41.52 1.64 0.00	43.15 1.82 0.00	47.83 1.66 0.00	59.82 1.97 0.00	66.85 1.31 0.00	60.92 0.66 0.00	58.07 -0.53 0.00	55.40 -0.96 0.00	51.77 -1.06 0.00	49.60 -0.65 0.00	47.71 -1.07 0.00	48.39 -1.04 0.00	49.36 -0.96 0.00	49.77 -1.38 0.00	54.01 -1.96 0.00	59.51 -1.71 0.00	67.20 -1.94 0.00	59.70 -2.10 0.00	52.11 -2.00 0.00	44.62 -1.66 0.00	43.39 -1.16 0.00



HQ_GEN_CEDARS 23644	46.54 0.32 0.00	42.32 0.34 0.00	41.40 0.29 0.00	40.24 0.36 0.00	41.70 0.37 0.00	46.68 0.51 0.00	58.26 0.40 0.00	65.93 0.39 0.00	60.44 0.18 0.00	58.89 0.29 0.00	56.52 0.17 0.00	52.99 0.16 0.00	50.56 0.30 0.00	49.12 0.34 0.00	49.68 0.25 0.00	50.57 0.25 0.00	51.30 0.15 0.00	56.14 0.17 0.00	61.16 -0.06 0.00	69.14 0.00 0.00	61.74 -0.06 0.00	54.33 0.22 0.00	46.42 0.14 0.00	44.77 0.22 0.00
HQ_GEN_CEDARS_PROXY 323590	46.54 0.33 0.00	42.32 0.33 0.00	41.40 0.29 0.00	40.24 0.36 0.00	41.70 0.37 0.00	46.68 0.51 0.00	58.26 0.41 0.00	65.94 0.40 0.00	60.44 0.18 0.00	58.89 0.29 0.00	56.64 0.28 0.00	52.99 0.16 0.00	50.56 0.30 0.00	49.12 0.34 0.00	49.68 0.25 0.00	50.57 0.25 0.00	51.31 0.15 0.00	56.31 0.34 0.00	61.16 -0.06 0.00	69.07 -0.07 0.00	61.68 -0.12 0.00	54.22 0.11 0.00	46.42 0.14 0.00	44.77 0.22 0.00
HQ_GEN_IMPORT 323601	46.12 -0.09 0.00	41.90 -0.08 0.00	41.03 -0.08 0.00	39.84 -0.04 0.00	41.29 -0.04 0.00	46.12 -0.05 0.00	57.62 -0.23 0.00	65.28 -0.26 0.00	59.96 -0.30 0.00	58.36 -0.23 0.00	56.19 -0.17 0.00	52.62 -0.21 0.00	50.11 -0.15 0.00	48.63 -0.15 0.00	49.28 -0.15 0.00	50.12 -0.20 0.00	50.95 -0.20 0.00	55.75 -0.22 0.00	60.79 -0.43 0.00	68.58 -0.56 0.00	61.31 -0.50 0.00	53.79 -0.32 0.00	46.10 -0.18 0.00	44.37 -0.18 0.00
HQ_GEN_WHEEL 23651	46.12 -0.09 0.00	41.90 -0.08 0.00	41.03 -0.08 0.00	39.84 -0.04 0.00	41.29 -0.04 0.00	46.12 -0.05 0.00	57.62 -0.23 0.00	65.28 -0.26 0.00	59.96 -0.30 0.00	58.36 -0.23 0.00	56.19 -0.17 0.00	52.62 -0.21 0.00	50.11 -0.15 0.00	48.63 -0.15 0.00	49.28 -0.15 0.00	50.12 -0.20 0.00	50.95 -0.20 0.00	55.75 -0.22 0.00	60.79 -0.43 0.00	68.58 -0.56 0.00	61.31 -0.50 0.00	53.79 -0.32 0.00	46.10 -0.18 0.00	44.37 -0.18 0.00
HUDSON AVE_GT_3 23810	47.93 1.71 0.00	43.50 1.51 0.00	42.39 1.27 0.00	41.04 1.16 0.00	42.49 1.16 0.00	47.83 1.66 0.00	60.28 2.43 0.00	68.88 3.34 0.00	63.39 3.13 0.00	62.11 3.52 0.00	59.90 3.55 0.00	56.37 3.54 0.00	53.52 3.27 0.00	52.10 3.32 0.00	52.84 3.41 0.00	53.69 3.37 0.00	54.78 3.63 0.00	60.11 4.14 0.00	65.44 4.22 0.00	73.91 4.77 0.00	66.19 4.39 0.00	57.63 3.52 0.00	49.06 2.78 0.00	47.04 2.49 0.00
HUDSON AVE_GT_4 23540	47.93 1.71 0.00	43.50 1.51 0.00	42.39 1.27 0.00	41.04 1.16 0.00	42.49 1.16 0.00	47.83 1.66 0.00	60.28 2.43 0.00	68.88 3.34 0.00	63.39 3.13 0.00	62.11 3.52 0.00	59.90 3.55 0.00	56.37 3.54 0.00	53.52 3.27 0.00	52.10 3.32 0.00	52.84 3.41 0.00	53.69 3.37 0.00	54.78 3.63 0.00	60.11 4.14 0.00	65.44 4.22 0.00	73.91 4.77 0.00	66.19 4.39 0.00	57.63 3.52 0.00	49.06 2.78 0.00	47.04 2.49 0.00
HUDSON AVE_GT_5 23657	47.93 1.71 0.00	43.50 1.51 0.00	42.39 1.27 0.00	41.04 1.16 0.00	42.49 1.16 0.00	47.83 1.66 0.00	60.28 2.43 0.00	68.88 3.34 0.00	63.39 3.13 0.00	62.11 3.52 0.00	59.90 3.55 0.00	56.37 3.54 0.00	53.52 3.27 0.00	52.10 3.32 0.00	52.84 3.41 0.00	53.69 3.37 0.00	54.78 3.63 0.00	60.11 4.14 0.00	65.44 4.22 0.00	73.91 4.77 0.00	66.19 4.39 0.00	57.63 3.52 0.00	49.06 2.78 0.00	47.04 2.49 0.00
HUDSON_AVE_10 24168	47.83 1.62 0.00	43.37 1.39 0.00	42.26 1.15 0.00	40.92 1.04 0.00	42.36 1.03 0.00	47.69 1.52 0.00	60.17 2.31 0.00	68.82 3.28 0.00	63.27 3.01 0.00	61.99 3.40 0.00	59.79 3.44 0.00	56.26 3.43 0.00	53.42 3.17 0.00	52.00 3.22 0.00	52.74 3.31 0.00	53.64 3.32 0.00	54.68 3.53 0.00	60.00 4.03 0.00	65.38 4.16 0.00	73.84 4.70 0.00	66.13 4.33 0.00	57.58 3.46 0.00	48.97 2.68 0.00	46.95 2.41 0.00
HUDSON___115KV_TB 4 355613	46.86 0.65 0.00	42.62 0.63 0.00	41.77 0.66 0.00	40.48 0.60 0.00	42.03 0.70 0.00	46.91 0.74 0.00	59.01 1.16 0.00	66.85 1.31 0.00	61.34 1.08 0.00	59.65 1.05 0.00	57.20 0.85 0.00	53.57 0.74 0.00	50.81 0.55 0.00	49.32 0.54 0.00	50.02 0.59 0.00	51.03 0.70 0.00	52.17 1.02 0.00	57.43 1.46 0.00	62.93 1.71 0.00	71.00 1.87 0.00	63.53 1.73 0.00	55.47 1.35 0.00	47.40 1.11 0.00	45.66 1.11 0.00
HUNTER MOUNT___DRP 323613	47.05 0.83 0.00	42.78 0.80 0.00	41.93 0.82 0.00	40.64 0.76 0.00	42.24 0.91 0.00	47.09 0.92 0.00	59.30 1.45 0.00	67.05 1.51 0.00	61.52 1.27 0.00	59.83 1.23 0.00	57.26 0.90 0.00	53.57 0.74 0.00	50.86 0.60 0.00	49.32 0.54 0.00	50.02 0.59 0.00	51.03 0.70 0.00	52.23 1.07 0.00	57.54 1.57 0.00	63.06 1.84 0.00	71.14 2.00 0.00	63.66 1.85 0.00	55.58 1.46 0.00	47.53 1.25 0.00	45.84 1.29 0.00
HUNTINGTON_RES_REC 323705	47.97 1.76 0.00	43.29 1.30 0.00	42.06 0.95 0.00	40.52 0.64 0.00	42.03 0.70 0.00	47.65 1.48 0.00	59.18 1.33 0.00	67.70 2.16 0.00	62.67 2.41 0.00	60.82 2.23 0.00	59.00 2.65 0.00	55.95 3.12 -0.01	54.39 2.81 -1.32	54.42 2.93 -2.71	56.13 3.07 -3.63	57.19 3.12 -3.75	59.07 3.38 -4.54	62.79 3.75 -3.07	65.68 4.04 -0.42	73.64 4.49 -0.01	65.95 4.14 -0.01	60.28 3.47 -2.70	54.16 3.01 -4.87	47.41 2.85 -0.01
HUNTLEY___63 23557	47.60 1.39 0.00	42.87 0.88 0.00	42.30 1.19 0.00	41.08 1.20 0.00	42.53 1.20 0.00	46.81 0.65 0.00	57.45 -0.40 0.00	63.31 -2.23 0.00	58.93 -1.33 0.00	56.55 -2.05 0.00	54.27 -2.09 0.00	50.77 -2.06 0.00	48.75 -1.51 0.00	46.58 -2.20 0.00	47.60 -1.83 0.00	48.41 -1.91 0.00	48.13 -3.02 0.00	51.44 -4.53 0.00	56.51 -4.71 0.00	64.23 -4.91 0.00	57.48 -4.33 0.00	50.33 -3.79 0.00	43.88 -2.41 0.00	43.12 -1.43 0.00
HUNTLEY___64 23558	47.60 1.39 0.00	42.87 0.88 0.00	42.30 1.19 0.00	41.08 1.20 0.00	42.53 1.20 0.00	46.81 0.65 0.00	57.45 -0.40 0.00	63.31 -2.23 0.00	58.93 -1.33 0.00	56.55 -2.05 0.00	54.27 -2.09 0.00	50.77 -2.06 0.00	48.75 -1.51 0.00	46.58 -2.20 0.00	47.60 -1.83 0.00	48.41 -1.91 0.00	48.13 -3.02 0.00	51.44 -4.53 0.00	56.51 -4.71 0.00	64.23 -4.91 0.00	57.48 -4.33 0.00	50.33 -3.79 0.00	43.88 -2.41 0.00	43.12 -1.43 0.00
HUNTLEY___65 23559	47.60 1.39 0.00	42.87 0.88 0.00	42.30 1.19 0.00	41.08 1.20 0.00	42.53 1.20 0.00	46.81 0.65 0.00	57.45 -0.40 0.00	63.31 -2.23 0.00	58.93 -1.33 0.00	56.55 -2.05 0.00	54.27 -2.09 0.00	50.77 -2.06 0.00	48.75 -1.51 0.00	46.58 -2.20 0.00	47.60 -1.83 0.00	48.41 -1.91 0.00	48.13 -3.02 0.00	51.44 -4.53 0.00	56.51 -4.71 0.00	64.23 -4.91 0.00	57.48 -4.33 0.00	50.33 -3.79 0.00	43.88 -2.41 0.00	43.12 -1.43 0.00
HUNTLEY___66 23560	47.60 1.39 0.00	42.87 0.88 0.00	42.30 1.19 0.00	41.08 1.20 0.00	42.53 1.20 0.00	46.81 0.65 0.00	57.45 -0.40 0.00	63.31 -2.23 0.00	58.93 -1.33 0.00	56.55 -2.05 0.00	54.27 -2.09 0.00	50.77 -2.06 0.00	48.75 -1.51 0.00	46.58 -2.20 0.00	47.60 -1.83 0.00	48.41 -1.91 0.00	48.13 -3.02 0.00	51.44 -4.53 0.00	56.51 -4.71 0.00	64.23 -4.91 0.00	57.48 -4.33 0.00	50.33 -3.79 0.00	43.88 -2.41 0.00	43.12 -1.43 0.00



HUNTLEY___67 23561	47.23 1.02 0.00	42.57 0.59 0.00	41.97 0.86 0.00	40.80 0.92 0.00	42.20 0.87 0.00	46.45 0.28 0.00	57.16 -0.69 0.00	62.98 -2.56 0.00	58.63 -1.63 0.00	56.31 -2.29 0.00	54.04 -2.31 0.00	50.56 -2.27 0.00	48.55 -1.71 0.00	46.39 -2.39 0.00	47.35 -2.08 0.00	48.21 -2.11 0.00	47.98 -3.17 0.00	51.27 -4.70 0.00	56.26 -4.96 0.00	63.95 -5.19 0.00	57.23 -4.57 0.00	50.11 -4.00 0.00	43.65 -2.64 0.00	42.90 -1.65 0.00
HUNTLEY___68 23562	47.23 1.02 0.00	42.57 0.59 0.00	41.97 0.86 0.00	40.80 0.92 0.00	42.20 0.87 0.00	46.45 0.28 0.00	57.16 -0.69 0.00	62.98 -2.56 0.00	58.63 -1.63 0.00	56.31 -2.29 0.00	54.04 -2.31 0.00	50.56 -2.27 0.00	48.55 -1.71 0.00	46.39 -2.39 0.00	47.35 -2.08 0.00	48.21 -2.11 0.00	47.98 -3.17 0.00	51.27 -4.70 0.00	56.26 -4.96 0.00	63.95 -5.19 0.00	57.23 -4.57 0.00	50.11 -4.00 0.00	43.65 -2.64 0.00	42.90 -1.65 0.00
HYLAND___LFGE 323620	48.94 2.73 0.00	44.46 2.48 0.00	43.58 2.47 0.00	42.24 2.35 0.00	43.81 2.48 0.00	48.84 2.68 0.00	61.15 3.30 0.00	68.29 2.75 0.00	61.65 1.39 0.00	58.25 -0.35 0.00	55.11 -1.24 0.00	51.35 -1.48 0.00	49.10 -1.15 0.00	47.27 -1.51 0.00	48.05 -1.38 0.00	49.11 -1.21 0.00	49.67 -1.49 0.00	54.57 -1.40 0.00	60.98 -0.24 0.00	69.69 0.55 0.00	62.48 0.68 0.00	54.50 0.38 0.00	46.65 0.37 0.00	45.35 0.80 0.00
INDECK___CORINTH 23802	48.07 1.85 0.00	43.58 1.60 0.00	42.76 1.65 0.00	41.40 1.52 0.00	43.06 1.74 0.00	48.20 2.03 0.00	60.74 2.89 0.00	68.95 3.41 0.00	63.39 3.13 0.00	61.58 2.99 0.00	58.95 2.59 0.00	55.26 2.43 0.00	52.42 2.16 0.00	50.83 2.05 0.00	51.46 2.03 0.00	52.48 2.16 0.00	53.66 2.51 0.00	58.93 2.96 0.00	64.77 3.55 0.00	73.01 3.87 0.00	65.39 3.58 0.00	56.71 2.60 0.00	48.41 2.13 0.00	46.60 2.05 0.00
INDECK___ILION 23567	45.34 -0.88 0.00	41.27 -0.71 0.00	40.45 -0.66 0.00	39.32 -0.56 0.00	40.87 -0.45 0.00	45.75 -0.42 0.00	57.56 -0.29 0.00	65.41 -0.13 0.00	59.96 -0.30 0.00	58.13 -0.47 0.00	55.90 -0.45 0.00	52.30 -0.53 0.00	49.75 -0.50 0.00	48.29 -0.49 0.00	48.84 -0.59 0.00	49.72 -0.60 0.00	50.49 -0.66 0.00	55.24 -0.73 0.00	60.42 -0.80 0.00	68.31 -0.83 0.00	60.75 -1.05 0.00	52.87 -1.24 0.00	44.94 -1.34 0.00	42.99 -1.56 0.00
INDECK___OLEAN 23982	47.56 1.34 0.00	42.95 0.97 0.00	42.26 1.15 0.00	41.00 1.12 0.00	42.53 1.20 0.00	46.90 0.74 0.00	58.37 0.52 0.00	65.09 -0.46 0.00	59.77 -0.48 0.00	57.19 -1.41 0.00	54.50 -1.86 0.00	50.87 -1.95 0.00	48.85 -1.41 0.00	46.83 -1.95 0.00	47.55 -1.88 0.00	48.41 -1.91 0.00	48.39 -2.76 0.00	52.22 -3.75 0.00	57.24 -3.98 0.00	64.99 -4.15 0.00	57.97 -3.83 0.00	50.87 -3.25 0.00	43.78 -2.50 0.00	43.25 -1.29 0.00
INDECK___OSWEGO 23783	45.57 -0.65 0.00	41.36 -0.63 0.00	40.54 -0.58 0.00	39.29 -0.60 0.00	40.71 -0.62 0.00	45.43 -0.74 0.00	57.04 -0.81 0.00	64.62 -0.92 0.00	59.41 -0.84 0.00	57.54 -1.05 0.00	55.28 -1.07 0.00	51.72 -1.11 0.00	49.25 -1.00 0.00	47.75 -1.03 0.00	48.39 -1.04 0.00	49.26 -1.06 0.00	50.03 -1.13 0.00	54.74 -1.23 0.00	60.06 -1.17 0.00	67.96 -1.18 0.00	60.69 -1.11 0.00	53.14 -0.97 0.00	45.40 -0.88 0.00	43.79 -0.76 0.00
INDECK___YERKES 23781	47.65 1.43 0.00	42.91 0.92 0.00	42.34 1.23 0.00	41.12 1.24 0.00	42.53 1.20 0.00	46.77 0.60 0.00	57.51 -0.35 0.00	63.38 -2.16 0.00	58.99 -1.27 0.00	56.60 -1.99 0.00	54.16 -2.20 0.00	50.66 -2.17 0.00	48.80 -1.46 0.00	46.78 -2.00 0.00	47.65 -1.78 0.00	48.56 -1.76 0.00	48.18 -2.97 0.00	51.83 -4.14 0.00	56.57 -4.66 0.00	64.30 -4.84 0.00	57.54 -4.26 0.00	50.76 -3.36 0.00	43.93 -2.36 0.00	43.17 -1.38 0.00
INDIAN POINT_GT_1 24139	47.37 1.16 0.00	43.04 1.05 0.00	41.97 0.86 0.00	40.68 0.80 0.00	42.11 0.79 0.00	47.32 1.15 0.00	59.59 1.74 0.00	67.90 2.36 0.00	62.49 2.23 0.00	61.12 2.52 0.00	58.89 2.54 0.00	55.36 2.54 0.00	52.57 2.31 0.00	51.17 2.39 0.00	51.90 2.47 0.00	52.79 2.47 0.00	53.86 2.71 0.00	59.05 3.08 0.00	64.40 3.18 0.00	72.73 3.60 0.00	65.08 3.28 0.00	56.77 2.65 0.00	48.41 2.13 0.00	46.42 1.87 0.00
INDIAN POINT_GT_2 23659	47.37 1.16 0.00	43.04 1.05 0.00	41.97 0.86 0.00	40.68 0.80 0.00	42.11 0.79 0.00	47.32 1.15 0.00	59.59 1.74 0.00	67.90 2.36 0.00	62.49 2.23 0.00	61.12 2.52 0.00	58.89 2.54 0.00	55.36 2.54 0.00	52.57 2.31 0.00	51.17 2.39 0.00	51.90 2.47 0.00	52.79 2.47 0.00	53.86 2.71 0.00	59.05 3.08 0.00	64.40 3.18 0.00	72.73 3.60 0.00	65.08 3.28 0.00	56.77 2.65 0.00	48.41 2.13 0.00	46.42 1.87 0.00
INDIAN POINT_GT_3 24019	47.37 1.16 0.00	43.04 1.05 0.00	41.97 0.86 0.00	40.68 0.80 0.00	42.11 0.79 0.00	47.32 1.15 0.00	59.59 1.74 0.00	67.90 2.36 0.00	62.49 2.23 0.00	61.12 2.52 0.00	58.89 2.54 0.00	55.36 2.54 0.00	52.57 2.31 0.00	51.17 2.39 0.00	51.90 2.47 0.00	52.79 2.47 0.00	53.86 2.71 0.00	59.05 3.08 0.00	64.40 3.18 0.00	72.73 3.60 0.00	65.08 3.28 0.00	56.77 2.65 0.00	48.41 2.13 0.00	46.42 1.87 0.00
INDIAN POINT___2 23530	47.23 1.02 0.00	42.91 0.92 0.00	41.89 0.78 0.00	40.60 0.72 0.00	42.03 0.70 0.00	47.18 1.01 0.00	59.42 1.56 0.00	67.70 2.16 0.00	62.31 2.05 0.00	60.88 2.28 0.00	58.61 2.26 0.00	55.21 2.38 0.00	52.42 2.16 0.00	50.98 2.20 0.00	51.71 2.28 0.00	52.59 2.27 0.00	53.66 2.51 0.00	58.71 2.74 0.00	64.16 2.94 0.00	72.52 3.39 0.00	64.89 3.09 0.00	56.61 2.49 0.00	48.23 1.94 0.00	46.28 1.74 0.00
INDIAN POINT___3 23531	47.42 1.20 0.00	43.08 1.09 0.00	42.02 0.90 0.00	40.72 0.84 0.00	42.16 0.83 0.00	47.37 1.20 0.00	59.59 1.74 0.00	67.97 2.43 0.00	62.55 2.29 0.00	61.17 2.58 0.00	58.95 2.59 0.00	55.47 2.64 0.00	52.67 2.41 0.00	51.22 2.44 0.00	51.95 2.52 0.00	52.84 2.52 0.00	53.91 2.76 0.00	59.10 3.13 0.00	64.46 3.24 0.00	72.80 3.66 0.00	65.14 3.34 0.00	56.82 2.71 0.00	48.46 2.18 0.00	46.46 1.92 0.00
INGHAM_C_115KV_TB7 356103	45.01 -1.20 0.00	40.98 -1.01 0.00	40.17 -0.95 0.00	39.05 -0.84 0.00	40.63 -0.70 0.00	45.43 -0.74 0.00	57.10 -0.75 0.00	64.89 -0.66 0.00	59.47 -0.78 0.00	57.72 -0.88 0.00	55.51 -0.85 0.00	51.93 -0.90 0.00	49.35 -0.90 0.00	47.95 -0.83 0.00	48.49 -0.94 0.00	49.37 -0.96 0.00	50.13 -1.02 0.00	54.85 -1.12 0.00	60.00 -1.22 0.00	67.82 -1.31 0.00	60.32 -1.48 0.00	52.49 -1.62 0.00	44.66 -1.62 0.00	42.72 -1.83 0.00
IP CORINTH___1 23988	48.06 1.85 0.00	43.58 1.60 0.00	42.76 1.64 0.00	41.40 1.52 0.00	43.06 1.74 0.00	48.20 2.03 0.00	60.75 2.89 0.00	68.95 3.41 0.00	63.39 3.13 0.00	61.58 2.99 0.00	59.00 2.65 0.00	55.20 2.38 0.00	52.42 2.16 0.00	50.83 2.05 0.00	51.46 2.03 0.00	52.49 2.16 0.00	53.66 2.51 0.00	58.99 3.02 0.00	64.77 3.55 0.00	73.01 3.87 0.00	65.39 3.58 0.00	56.66 2.54 0.00	48.41 2.13 0.00	46.60 2.05 0.00



IP___TICONDEROGA 23804	49.17 2.96 0.00	44.51 2.52 0.00	43.70 2.59 0.00	42.28 2.39 0.00	44.14 2.81 0.00	49.40 3.23 0.00	62.65 4.80 0.00	71.05 5.51 0.00	65.20 4.94 0.00	63.23 4.63 0.00	60.41 4.06 0.00	56.42 3.59 0.00	53.52 3.27 0.00	51.80 3.02 0.00	52.35 2.92 0.00	53.64 3.32 0.00	54.94 3.79 0.00	60.56 4.59 0.00	66.73 5.51 0.00	75.22 6.08 0.00	67.49 5.69 0.00	58.07 3.95 0.00	49.52 3.24 0.00	47.62 3.07 0.00
ISLIP_RES_REC 323679	47.97 1.76 0.00	43.25 1.26 0.00	42.01 0.90 0.00	40.44 0.56 0.00	41.99 0.66 0.00	47.65 1.48 0.00	59.07 1.22 0.00	67.57 2.03 0.00	62.61 2.35 0.00	60.53 1.93 0.00	58.78 2.42 0.00	55.85 3.01 -0.01	54.29 2.71 -1.32	54.32 2.83 -2.71	56.13 3.07 -3.63	57.19 3.12 -3.75	59.06 3.38 -4.54	62.90 3.86 -3.07	65.81 4.17 -0.42	73.71 4.56 -0.01	66.02 4.20 -0.01	60.38 3.57 -2.70	54.30 3.15 -4.87	47.59 3.03 -0.01
JAMAICA__27_KV_LOAD 355505	47.79 1.57 0.00	43.37 1.39 0.00	42.22 1.11 0.00	40.84 0.96 0.00	42.28 0.95 0.00	47.74 1.57 0.00	60.22 2.37 0.00	69.01 3.47 0.00	63.45 3.19 0.00	62.23 3.63 0.00	59.96 3.61 0.00	56.42 3.59 0.00	53.57 3.32 0.00	52.19 3.41 0.00	52.89 3.46 0.00	53.79 3.47 0.00	54.89 3.73 0.00	60.28 4.31 0.00	65.69 4.47 0.00	74.25 5.12 0.00	66.50 4.70 0.00	57.79 3.68 0.00	49.11 2.82 0.00	47.04 2.49 0.00
JANIS___SOLAR 323808	48.76 2.54 0.00	44.38 2.39 0.00	43.49 2.38 0.00	42.19 2.31 0.00	43.85 2.52 0.00	49.03 2.86 0.00	61.84 3.99 0.00	70.00 4.46 0.00	63.81 3.55 0.00	61.06 2.46 0.00	58.16 1.80 0.00	54.20 1.37 0.00	51.61 1.36 0.00	49.90 1.12 0.00	50.52 1.09 0.00	51.58 1.26 0.00	52.58 1.43 0.00	57.87 1.90 0.00	64.04 2.82 0.00	72.94 3.80 0.00	64.89 3.09 0.00	56.66 2.54 0.00	48.32 2.03 0.00	46.60 2.05 0.00
JARVIS____ 23743	46.26 0.05 0.00	42.07 0.08 0.00	41.19 0.08 0.00	39.96 0.08 0.00	41.41 0.08 0.00	46.26 0.09 0.00	58.03 0.17 0.00	65.80 0.26 0.00	60.50 0.24 0.00	58.77 0.18 0.00	56.52 0.17 0.00	53.04 0.21 0.00	50.41 0.15 0.00	48.93 0.15 0.00	49.58 0.15 0.00	50.47 0.15 0.00	51.36 0.21 0.00	56.19 0.22 0.00	61.53 0.31 0.00	69.48 0.35 0.00	62.11 0.31 0.00	54.33 0.22 0.00	46.42 0.14 0.00	44.64 0.09 0.00
JENNISON___1 23625	48.80 2.59 0.00	44.42 2.44 0.00	43.50 2.38 0.00	42.28 2.39 0.00	43.89 2.56 0.00	49.12 2.95 0.00	61.84 3.99 0.00	70.13 4.59 0.00	64.11 3.86 0.00	61.64 3.05 0.00	59.06 2.70 0.00	55.15 2.32 0.00	52.52 2.26 0.00	50.78 2.00 0.00	51.46 2.03 0.00	52.43 2.11 0.00	53.25 2.10 0.00	58.32 2.35 0.00	64.22 3.00 0.00	72.94 3.80 0.00	64.95 3.15 0.00	56.71 2.60 0.00	48.41 2.13 0.00	46.73 2.18 0.00
JENNISON___2 23626	48.80 2.59 0.00	44.42 2.44 0.00	43.50 2.38 0.00	42.28 2.39 0.00	43.89 2.56 0.00	49.12 2.95 0.00	61.84 3.99 0.00	70.13 4.59 0.00	64.11 3.86 0.00	61.64 3.05 0.00	59.06 2.70 0.00	55.15 2.32 0.00	52.52 2.26 0.00	50.78 2.00 0.00	51.46 2.03 0.00	52.43 2.11 0.00	53.25 2.10 0.00	58.32 2.35 0.00	64.22 3.00 0.00	72.94 3.80 0.00	64.95 3.15 0.00	56.71 2.60 0.00	48.41 2.13 0.00	46.73 2.18 0.00
JERICHO_RISE_WT_PWR 323719	46.91 0.69 0.00	42.66 0.67 0.00	41.73 0.62 0.00	40.60 0.72 0.00	42.07 0.74 0.00	47.09 0.92 0.00	58.31 0.46 0.00	65.67 0.13 0.00	60.26 0.00 0.00	58.71 0.12 0.00	56.86 0.51 0.00	53.15 0.32 0.00	50.71 0.45 0.00	49.27 0.49 0.00	49.78 0.35 0.00	50.68 0.35 0.00	51.41 0.26 0.00	56.36 0.39 0.00	60.61 -0.61 0.00	68.17 -0.97 0.00	60.88 -0.93 0.00	53.85 -0.27 0.00	46.33 0.05 0.00	44.50 -0.04 0.00
KATONAH___115KV_46KV_TB4 355592	47.65 1.43 0.00	43.33 1.34 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.44 1.12 0.00	47.69 1.52 0.00	60.11 2.26 0.00	68.49 2.95 0.00	63.09 2.83 0.00	61.64 3.05 0.00	59.45 3.10 0.00	55.79 2.96 0.00	53.02 2.76 0.00	51.66 2.88 0.00	52.45 3.02 0.00	53.34 3.02 0.00	54.37 3.22 0.00	59.61 3.64 0.00	64.95 3.73 0.00	73.42 4.29 0.00	65.70 3.89 0.00	57.25 3.14 0.00	48.78 2.50 0.00	46.77 2.23 0.00
KCE_NY_1 323755	47.88 1.66 0.00	43.42 1.43 0.00	42.55 1.44 0.00	41.24 1.36 0.00	42.86 1.53 0.00	47.92 1.75 0.00	60.23 2.37 0.00	68.23 2.69 0.00	62.73 2.47 0.00	61.00 2.40 0.00	58.49 2.14 0.00	54.83 2.01 0.00	52.01 1.76 0.00	50.49 1.71 0.00	51.11 1.68 0.00	52.13 1.81 0.00	53.25 2.10 0.00	58.43 2.46 0.00	64.10 2.88 0.00	72.32 3.18 0.00	64.77 2.97 0.00	56.33 2.22 0.00	48.18 1.90 0.00	46.33 1.78 0.00
KCE_NY_6_ESR 323823	47.83 1.62 0.00	43.16 1.17 0.00	42.47 1.35 0.00	41.24 1.36 0.00	42.77 1.45 0.00	47.04 0.88 0.00	58.03 0.17 0.00	63.90 -1.64 0.00	59.54 -0.72 0.00	57.13 -1.46 0.00	54.61 -1.75 0.00	51.09 -1.74 0.00	49.15 -1.11 0.00	47.07 -1.71 0.00	47.95 -1.48 0.00	48.86 -1.46 0.00	48.54 -2.61 0.00	52.22 -3.75 0.00	57.06 -4.17 0.00	64.78 -4.35 0.00	57.91 -3.89 0.00	50.97 -3.14 0.00	44.06 -2.22 0.00	43.39 -1.16 0.00
KEDC_PORT_JEFF_GT2 24210	47.83 1.62 0.00	43.12 1.13 0.00	41.89 0.78 0.00	40.36 0.48 0.00	41.86 0.54 0.00	47.51 1.34 0.00	58.84 0.98 0.00	67.31 1.77 0.00	62.31 2.05 0.00	60.30 1.70 0.00	58.55 2.20 0.00	55.58 2.75 -0.01	54.08 2.51 -1.31	54.10 2.63 -2.69	55.85 2.82 -3.60	56.96 2.92 -3.72	58.77 3.12 -4.50	62.60 3.59 -3.05	65.50 3.86 -0.42	73.36 4.22 -0.01	65.71 3.90 -0.01	60.09 3.30 -2.67	54.02 2.92 -4.82	47.41 2.85 -0.01
KEDC_PORT_JEFF_GT3 24211	47.83 1.62 0.00	43.12 1.13 0.00	41.89 0.78 0.00	40.36 0.48 0.00	41.86 0.54 0.00	47.51 1.34 0.00	58.84 0.98 0.00	67.31 1.77 0.00	62.31 2.05 0.00	60.30 1.70 0.00	58.55 2.20 0.00	55.58 2.75 -0.01	54.08 2.51 -1.31	54.10 2.63 -2.69	55.85 2.82 -3.60	56.96 2.92 -3.72	58.77 3.12 -4.50	62.60 3.59 -3.05	65.50 3.86 -0.42	73.36 4.22 -0.01	65.71 3.90 -0.01	60.09 3.30 -2.67	54.02 2.92 -4.82	47.41 2.85 -0.01
KEDC_GLWD_GT4 24219	48.11 1.90 0.00	43.58 1.60 0.00	42.43 1.32 0.00	41.00 1.12 0.00	42.48 1.16 0.00	47.92 1.75 0.00	60.05 2.20 0.00	68.62 3.08 0.00	63.33 3.07 0.00	61.82 3.22 0.00	59.74 3.38 0.00	56.44 3.59 -0.02	55.79 3.26 -2.27	56.77 3.32 -4.67	59.10 3.41 -6.26	60.15 3.37 -6.46	62.60 3.63 -7.82	65.18 3.92 -5.29	66.17 4.22 -0.73	73.92 4.77 -0.02	66.21 4.39 -0.02	62.39 3.63 -4.65	57.63 2.96 -8.38	47.28 2.72 -0.02
KEDC_GLWD_GT5 24220	48.11 1.90 0.00	43.58 1.60 0.00	42.43 1.32 0.00	41.00 1.12 0.00	42.48 1.16 0.00	47.92 1.75 0.00	60.05 2.20 0.00	68.62 3.08 0.00	63.33 3.07 0.00	61.82 3.22 0.00	59.74 3.38 0.00	56.44 3.59 -0.02	55.79 3.26 -2.27	56.77 3.32 -4.67	59.10 3.41 -6.26	60.15 3.37 -6.46	62.60 3.63 -7.82	65.18 3.92 -5.29	66.17 4.22 -0.73	73.92 4.77 -0.02	66.21 4.39 -0.02	62.39 3.63 -4.65	57.63 2.96 -8.38	47.28 2.72 -0.02



KENSICO____ 23655	47.65 1.43 0.00	43.29 1.30 0.00	42.22 1.11 0.00	40.88 1.00 0.00	42.32 0.99 0.00	47.60 1.43 0.00	59.88 2.02 0.00	68.36 2.82 0.00	62.91 2.65 0.00	61.53 2.93 0.00	59.34 2.99 0.00	55.79 2.96 0.00	52.97 2.71 0.00	51.56 2.71 0.00	52.30 2.87 0.00	53.19 2.87 0.00	54.22 3.07 0.00	59.50 3.53 0.00	64.83 3.61 0.00	73.22 4.08 0.00	65.51 3.71 0.00	57.15 3.03 0.00	48.74 2.45 0.00	46.73 2.18 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	47.46 1.25 0.00	43.12 1.13 0.00	42.14 1.03 0.00	40.76 0.88 0.00	42.28 0.95 0.00	47.46 1.29 0.00	59.88 2.02 0.00	68.10 2.56 0.00	62.67 2.41 0.00	61.12 2.52 0.00	58.83 2.48 0.00	55.20 2.38 0.00	52.42 2.16 0.00	50.98 2.20 0.00	51.70 2.27 0.00	52.64 2.31 0.00	53.76 2.61 0.00	59.10 3.13 0.00	64.46 3.24 0.00	72.94 3.80 0.00	65.20 3.40 0.00	56.93 2.81 0.00	48.51 2.22 0.00	46.51 1.96 0.00
KIAC_JFK_GT1 23816	47.56 1.34 0.00	43.12 1.13 0.00	42.02 0.90 0.00	40.64 0.76 0.00	42.07 0.74 0.00	47.46 1.29 0.00	59.88 2.02 0.00	68.62 3.08 0.00	63.09 2.83 0.00	61.82 3.22 0.00	59.62 3.27 0.00	56.10 3.28 0.00	53.27 3.02 0.00	51.90 3.12 0.00	52.59 3.16 0.00	53.49 3.17 0.00	54.58 3.43 0.00	59.89 3.92 0.00	65.32 4.10 0.00	73.77 4.63 0.00	66.07 4.26 0.00	57.47 3.36 0.00	48.83 2.55 0.00	46.77 2.23 0.00
KIAC_JFK_GT2 23817	47.56 1.34 0.00	43.12 1.13 0.00	42.02 0.90 0.00	40.64 0.76 0.00	42.07 0.74 0.00	47.46 1.29 0.00	59.88 2.02 0.00	68.62 3.08 0.00	63.09 2.83 0.00	61.82 3.22 0.00	59.62 3.27 0.00	56.10 3.28 0.00	53.27 3.02 0.00	51.90 3.12 0.00	52.59 3.16 0.00	53.49 3.17 0.00	54.58 3.43 0.00	59.89 3.92 0.00	65.32 4.10 0.00	73.77 4.63 0.00	66.07 4.26 0.00	57.47 3.36 0.00	48.83 2.55 0.00	46.77 2.23 0.00
KIAC_JFK____ 323774	47.56 1.34 0.00	43.12 1.13 0.00	42.01 0.90 0.00	40.68 0.80 0.00	42.07 0.74 0.00	47.46 1.29 0.00	59.88 2.02 0.00	68.62 3.08 0.00	63.09 2.83 0.00	61.82 3.22 0.00	59.51 3.15 0.00	56.16 3.33 0.00	53.27 3.02 0.00	51.85 3.08 0.00	52.60 3.17 0.00	53.49 3.17 0.00	54.58 3.43 0.00	59.72 3.75 0.00	65.26 4.04 0.00	73.77 4.63 0.00	66.13 4.32 0.00	57.47 3.36 0.00	48.83 2.54 0.00	46.73 2.18 0.00
KINTIGH____ 23543	46.72 0.51 0.00	42.15 0.17 0.00	41.52 0.41 0.00	40.36 0.48 0.00	41.74 0.41 0.00	46.21 0.05 0.00	57.16 -0.69 0.00	63.77 -1.77 0.00	59.05 -1.21 0.00	56.84 -1.76 0.00	54.55 -1.80 0.00	51.03 -1.80 0.00	48.90 -1.36 0.00	46.98 -1.80 0.00	47.90 -1.53 0.00	48.76 -1.56 0.00	48.75 -2.40 0.00	52.50 -3.47 0.00	57.61 -3.61 0.00	65.33 -3.80 0.00	58.53 -3.28 0.00	51.25 -2.87 0.00	44.39 -1.90 0.00	43.25 -1.29 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	47.83 1.62 0.00	43.50 1.51 0.00	42.51 1.40 0.00	41.40 1.52 0.00	42.90 1.57 0.00	48.11 1.94 0.00	59.36 1.50 0.00	66.65 1.11 0.00	61.10 0.84 0.00	59.59 1.00 0.00	57.14 0.79 0.00	54.04 1.22 0.00	51.56 1.31 0.00	50.10 1.32 0.00	50.62 1.19 0.00	51.53 1.21 0.00	52.38 1.23 0.00	56.81 0.84 0.00	61.65 0.43 0.00	69.48 0.35 0.00	62.48 0.68 0.00	55.63 1.52 0.00	47.40 1.11 0.00	45.53 0.98 0.00
LACHUTE__HYDRO 323717	49.18 2.96 0.00	44.51 2.52 0.00	43.70 2.59 0.00	42.28 2.39 0.00	44.14 2.81 0.00	49.40 3.23 0.00	62.65 4.80 0.00	71.05 5.51 0.00	65.20 4.94 0.00	63.22 4.63 0.00	60.36 4.00 0.00	56.42 3.59 0.00	53.52 3.26 0.00	51.81 3.03 0.00	52.35 2.92 0.00	53.64 3.32 0.00	54.94 3.79 0.00	60.50 4.53 0.00	66.73 5.51 0.00	75.22 6.09 0.00	67.48 5.68 0.00	58.06 3.95 0.00	49.52 3.24 0.00	47.62 3.07 0.00
LAWRNCV_115KV_TB1 80681	45.66 -0.55 0.00	41.57 -0.42 0.00	40.62 -0.49 0.00	39.52 -0.36 0.00	41.00 -0.33 0.00	45.94 -0.23 0.00	57.39 -0.46 0.00	64.95 -0.59 0.00	59.47 -0.78 0.00	57.89 -0.70 0.00	55.45 -0.90 0.00	51.98 -0.85 0.00	49.60 -0.65 0.00	48.24 -0.54 0.00	48.79 -0.64 0.00	49.62 -0.70 0.00	50.33 -0.82 0.00	55.19 -0.78 0.00	60.12 -1.10 0.00	68.03 -1.11 0.00	60.75 -1.05 0.00	53.41 -0.70 0.00	45.64 -0.65 0.00	43.92 -0.62 0.00
LEDERLE____ 23769	47.51 1.29 0.00	43.16 1.18 0.00	42.10 0.99 0.00	40.80 0.92 0.00	42.24 0.91 0.00	47.46 1.29 0.00	59.76 1.91 0.00	68.16 2.62 0.00	62.73 2.47 0.00	61.35 2.75 0.00	59.12 2.76 0.00	55.57 2.75 0.00	52.77 2.51 0.00	51.37 2.59 0.00	52.10 2.67 0.00	52.99 2.67 0.00	54.07 2.92 0.00	59.33 3.36 0.00	64.65 3.43 0.00	73.01 3.87 0.00	65.32 3.52 0.00	56.98 2.87 0.00	48.55 2.27 0.00	46.60 2.05 0.00
LIGHTHSE_115KV_TB6 355974	45.66 -0.55 0.00	41.53 -0.46 0.00	40.66 -0.45 0.00	39.44 -0.44 0.00	40.92 -0.41 0.00	45.80 -0.37 0.00	57.62 -0.23 0.00	65.34 -0.20 0.00	59.90 -0.36 0.00	57.78 -0.82 0.00	55.45 -0.90 0.00	51.77 -1.06 0.00	49.35 -0.90 0.00	47.80 -0.98 0.00	48.44 -0.99 0.00	49.37 -0.96 0.00	50.08 -1.07 0.00	54.85 -1.12 0.00	60.36 -0.86 0.00	68.51 -0.62 0.00	61.12 -0.68 0.00	53.36 -0.76 0.00	45.59 -0.69 0.00	43.92 -0.62 0.00
LINDEN COGEN____ 23786	47.74 1.52 0.00	43.29 1.30 0.00	42.18 1.07 0.00	40.88 1.00 0.00	42.28 0.95 0.00	47.55 1.38 0.00	59.93 2.08 0.00	68.56 3.02 0.00	63.03 2.77 0.00	61.82 3.22 0.00	59.51 3.15 0.00	56.16 3.33 0.00	53.27 3.02 0.00	51.85 3.08 0.00	52.60 3.17 0.00	53.44 3.12 0.00	54.53 3.38 0.00	59.61 3.64 0.00	65.08 3.86 0.00	73.57 4.43 0.00	65.88 4.08 0.00	57.42 3.30 0.00	48.83 2.54 0.00	46.77 2.23 0.00
LINDHRST_69_KV_BK1 356055	48.53 2.31 0.00	43.79 1.81 0.00	42.55 1.44 0.00	41.00 1.12 0.00	42.57 1.24 0.00	48.25 2.08 0.00	59.88 2.02 0.00	68.56 3.01 0.00	63.45 3.19 0.00	61.53 2.93 0.00	59.79 3.44 0.00	56.48 3.65 -0.01	55.15 3.37 -1.52	55.38 3.46 -3.13	57.19 3.56 -4.20	58.28 3.62 -4.33	60.23 3.84 -5.24	64.00 4.48 -3.55	66.36 4.65 -0.49	74.40 5.25 -0.01	66.63 4.82 -0.01	61.29 4.06 -3.12	55.47 3.56 -5.62	47.94 3.39 -0.01
LIPA_MISC_IPP 23656	47.32 1.11 0.00	42.70 0.71 0.00	41.44 0.33 0.00	39.88 0.00 0.00	41.41 0.08 0.00	47.00 0.83 0.00	58.20 0.35 0.00	66.52 0.98 0.00	61.64 1.39 0.00	59.47 0.88 0.00	57.93 1.58 0.00	54.74 1.90 -0.01	53.32 1.76 -1.30	53.40 1.95 -2.67	55.24 2.22 -3.58	56.33 2.31 -3.70	58.13 2.51 -4.47	62.08 3.08 -3.03	64.70 3.06 -0.42	72.60 3.46 -0.01	64.96 3.15 -0.01	59.53 2.76 -2.66	53.49 2.41 -4.80	47.01 2.45 -0.01
LISF__SOLAR 323691	47.41 1.20 0.00	42.74 0.76 0.00	41.52 0.41 0.00	39.96 0.08 0.00	41.45 0.12 0.00	47.04 0.88 0.00	58.31 0.46 0.00	66.65 1.11 0.00	61.70 1.44 0.00	59.53 0.93 0.00	57.82 1.46 0.00	54.89 2.06 -0.01	53.42 1.86 -1.30	53.46 2.00 -2.68	55.29 2.28 -3.59	56.39 2.37 -3.70	58.24 2.61 -4.48	62.02 3.02 -3.03	64.94 3.30 -0.42	72.74 3.59 -0.01	65.15 3.34 -0.01	59.70 2.92 -2.66	53.68 2.59 -4.80	47.09 2.54 -0.01



LITTLE FALLS___HYD 24013	45.01 -1.20 0.00	40.98 -1.01 0.00	40.17 -0.95 0.00	39.05 -0.84 0.00	40.63 -0.70 0.00	45.43 -0.74 0.00	57.10 -0.75 0.00	64.89 -0.66 0.00	59.47 -0.78 0.00	57.72 -0.88 0.00	55.51 -0.85 0.00	51.93 -0.90 0.00	49.35 -0.90 0.00	47.95 -0.83 0.00	48.49 -0.94 0.00	49.37 -0.96 0.00	50.13 -1.02 0.00	54.85 -1.12 0.00	60.00 -1.22 0.00	67.82 -1.31 0.00	60.32 -1.48 0.00	52.49 -1.62 0.00	44.66 -1.62 0.00	42.72 -1.83 0.00
LITTLRIV_115KV_TB1 356100	46.17 -0.05 0.00	42.03 0.04 0.00	41.11 0.00 0.00	40.04 0.16 0.00	41.54 0.21 0.00	46.58 0.42 0.00	58.26 0.40 0.00	65.93 0.39 0.00	60.20 -0.06 0.00	58.48 -0.12 0.00	55.96 -0.39 0.00	52.40 -0.42 0.00	50.00 -0.25 0.00	48.58 -0.20 0.00	49.13 -0.30 0.00	50.07 -0.25 0.00	50.79 -0.36 0.00	55.69 -0.28 0.00	60.85 -0.37 0.00	68.93 -0.21 0.00	61.55 -0.25 0.00	54.12 0.00 0.00	46.19 -0.09 0.00	44.50 -0.04 0.00
LI_NEWBRDGE___DRP 323616	47.69 1.48 0.00	43.12 1.13 0.00	41.93 0.82 0.00	40.40 0.52 0.00	41.95 0.62 0.00	47.46 1.29 0.00	59.07 1.21 0.00	67.51 1.97 0.00	62.43 2.17 0.00	60.76 2.17 0.00	59.00 2.65 0.00	55.58 2.75 -0.01	53.98 2.51 -1.21	53.90 2.63 -2.49	55.44 2.67 -3.34	56.43 2.67 -3.44	58.18 2.86 -4.17	62.15 3.36 -2.82	64.97 3.37 -0.39	73.02 3.87 -0.01	65.33 3.52 -0.01	59.51 2.92 -2.48	53.30 2.55 -4.47	46.96 2.41 -0.01
LOCKPORT_115KV_TB60_63_64 80432	46.95 0.74 0.00	42.62 0.63 0.00	41.73 0.62 0.00	40.84 0.96 0.00	41.95 0.62 0.00	46.21 0.05 0.00	56.87 -0.98 0.00	62.79 -2.75 0.00	58.27 -1.99 0.00	55.90 -2.70 0.00	53.65 -2.70 0.00	50.19 -2.64 0.00	48.20 -2.06 0.00	46.05 -2.73 0.00	47.06 -2.37 0.00	47.96 -2.37 0.00	47.67 -3.48 0.00	50.93 -5.04 0.00	56.02 -5.20 0.00	63.61 -5.53 0.00	56.98 -4.82 0.00	49.89 -4.22 0.00	43.46 -2.82 0.00	42.72 -1.83 0.00
LOCKPORT___CC1 323769	46.95 0.74 0.00	42.57 0.59 0.00	41.73 0.62 0.00	40.48 0.60 0.00	42.20 0.87 0.00	46.45 0.28 0.00	56.87 -0.98 0.00	62.79 -2.75 0.00	58.27 -1.99 0.00	55.90 -2.69 0.00	53.54 -2.82 0.00	50.03 -2.80 0.00	48.19 -2.06 0.00	46.19 -2.59 0.00	47.06 -2.37 0.00	48.01 -2.31 0.00	47.67 -3.48 0.00	51.27 -4.70 0.00	56.02 -5.20 0.00	63.60 -5.53 0.00	56.92 -4.88 0.00	50.22 -3.90 0.00	43.41 -2.87 0.00	42.68 -1.87 0.00
LOCKPORT___CC2 323770	46.95 0.74 0.00	42.57 0.59 0.00	41.73 0.62 0.00	40.48 0.60 0.00	42.20 0.87 0.00	46.45 0.28 0.00	56.87 -0.98 0.00	62.79 -2.75 0.00	58.27 -1.99 0.00	55.90 -2.69 0.00	53.54 -2.82 0.00	50.03 -2.80 0.00	48.19 -2.06 0.00	46.19 -2.59 0.00	47.06 -2.37 0.00	48.01 -2.31 0.00	47.67 -3.48 0.00	51.27 -4.70 0.00	56.02 -5.20 0.00	63.60 -5.53 0.00	56.92 -4.88 0.00	50.22 -3.90 0.00	43.41 -2.87 0.00	42.68 -1.87 0.00
LOCKPORT___CC3 323771	46.95 0.74 0.00	42.57 0.59 0.00	41.73 0.62 0.00	40.48 0.60 0.00	42.20 0.87 0.00	46.45 0.28 0.00	56.87 -0.98 0.00	62.79 -2.75 0.00	58.27 -1.99 0.00	55.90 -2.69 0.00	53.54 -2.82 0.00	50.03 -2.80 0.00	48.19 -2.06 0.00	46.19 -2.59 0.00	47.06 -2.37 0.00	48.01 -2.31 0.00	47.67 -3.48 0.00	51.27 -4.70 0.00	56.02 -5.20 0.00	63.60 -5.53 0.00	56.92 -4.88 0.00	50.22 -3.90 0.00	43.41 -2.87 0.00	42.68 -1.87 0.00
LONG_LAKE_PHOENIX 24014	45.71 -0.51 0.00	41.48 -0.50 0.00	40.66 -0.45 0.00	39.36 -0.52 0.00	40.83 -0.50 0.00	45.57 -0.60 0.00	57.22 -0.64 0.00	64.82 -0.72 0.00	59.60 -0.66 0.00	57.78 -0.82 0.00	55.51 -0.85 0.00	51.93 -0.90 0.00	49.45 -0.80 0.00	47.95 -0.83 0.00	48.59 -0.84 0.00	49.47 -0.86 0.00	50.23 -0.92 0.00	54.91 -1.06 0.00	60.30 -0.92 0.00	68.17 -0.97 0.00	60.87 -0.93 0.00	53.25 -0.87 0.00	45.54 -0.74 0.00	43.88 -0.67 0.00
LOVETT___3 23632	47.37 1.16 0.00	42.99 1.01 0.00	41.97 0.86 0.00	40.64 0.76 0.00	42.11 0.79 0.00	47.28 1.11 0.00	59.53 1.68 0.00	67.83 2.29 0.00	62.49 2.23 0.00	61.06 2.46 0.00	58.89 2.54 0.00	55.36 2.54 0.00	52.57 2.31 0.00	51.17 2.39 0.00	51.85 2.42 0.00	52.74 2.42 0.00	53.81 2.66 0.00	59.05 3.08 0.00	64.34 3.12 0.00	72.66 3.53 0.00	65.02 3.21 0.00	56.71 2.60 0.00	48.37 2.08 0.00	46.37 1.83 0.00
LOVETT___4 23642	47.37 1.16 0.00	42.99 1.01 0.00	41.97 0.86 0.00	40.64 0.76 0.00	42.11 0.79 0.00	47.28 1.11 0.00	59.53 1.68 0.00	67.83 2.29 0.00	62.49 2.23 0.00	61.06 2.46 0.00	58.89 2.54 0.00	55.36 2.54 0.00	52.57 2.31 0.00	51.17 2.39 0.00	51.85 2.42 0.00	52.74 2.42 0.00	53.81 2.66 0.00	59.05 3.08 0.00	64.34 3.12 0.00	72.66 3.53 0.00	65.02 3.21 0.00	56.71 2.60 0.00	48.37 2.08 0.00	46.37 1.83 0.00
LOVETT___5 23593	47.37 1.16 0.00	42.99 1.01 0.00	41.97 0.86 0.00	40.64 0.76 0.00	42.11 0.79 0.00	47.28 1.11 0.00	59.53 1.68 0.00	67.83 2.29 0.00	62.49 2.23 0.00	61.06 2.46 0.00	58.89 2.54 0.00	55.36 2.54 0.00	52.57 2.31 0.00	51.17 2.39 0.00	51.85 2.42 0.00	52.74 2.42 0.00	53.81 2.66 0.00	59.05 3.08 0.00	64.34 3.12 0.00	72.66 3.53 0.00	65.02 3.21 0.00	56.71 2.60 0.00	48.37 2.08 0.00	46.37 1.83 0.00
LOWER RAQUET___HYD 24057	45.43 -0.79 0.00	41.31 -0.67 0.00	40.37 -0.74 0.00	39.32 -0.56 0.00	40.79 -0.54 0.00	45.71 -0.46 0.00	57.10 -0.75 0.00	64.69 -0.85 0.00	59.18 -1.08 0.00	57.54 -1.05 0.00	55.34 -1.01 0.00	51.72 -1.11 0.00	49.30 -0.96 0.00	47.95 -0.83 0.00	48.49 -0.94 0.00	49.36 -0.96 0.00	50.07 -1.08 0.00	55.02 -0.95 0.00	59.81 -1.41 0.00	67.55 -1.59 0.00	60.32 -1.48 0.00	52.98 -1.14 0.00	45.36 -0.93 0.00	43.66 -0.89 0.00
LOWER___HUDSON 24059	47.05 0.83 0.00	42.74 0.76 0.00	41.85 0.74 0.00	40.60 0.72 0.00	42.07 0.74 0.00	47.09 0.92 0.00	58.95 1.10 0.00	66.78 1.24 0.00	61.46 1.20 0.00	59.88 1.29 0.00	57.59 1.24 0.00	54.04 1.22 0.00	51.21 0.95 0.00	49.70 0.92 0.00	50.37 0.94 0.00	51.33 1.01 0.00	52.38 1.23 0.00	57.48 1.51 0.00	62.93 1.71 0.00	70.93 1.79 0.00	63.53 1.73 0.00	55.47 1.35 0.00	47.49 1.20 0.00	45.61 1.07 0.00
LOWVILLE_115KV_TB2 356335	46.35 0.14 0.00	42.20 0.21 0.00	41.28 0.16 0.00	40.16 0.28 0.00	41.74 0.41 0.00	46.81 0.65 0.00	58.95 1.10 0.00	66.98 1.44 0.00	61.10 0.84 0.00	58.83 0.23 0.00	56.35 0.00 0.00	52.62 -0.21 0.00	50.11 -0.15 0.00	48.63 -0.15 0.00	49.23 -0.20 0.00	50.17 -0.15 0.00	50.54 -0.61 0.00	55.52 -0.45 0.00	60.98 -0.24 0.00	69.14 0.00 0.00	61.68 -0.12 0.00	53.84 -0.27 0.00	45.87 -0.42 0.00	44.10 -0.45 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	47.83 1.62 0.00	43.41 1.43 0.00	42.55 1.44 0.00	41.20 1.32 0.00	42.82 1.49 0.00	47.88 1.71 0.00	60.17 2.31 0.00	68.16 2.62 0.00	62.67 2.41 0.00	60.94 2.34 0.00	58.50 2.14 0.00	54.78 1.95 0.00	52.01 1.76 0.00	50.49 1.71 0.00	51.11 1.68 0.00	52.13 1.81 0.00	53.20 2.05 0.00	58.49 2.52 0.00	64.10 2.88 0.00	72.25 3.11 0.00	64.71 2.90 0.00	56.28 2.16 0.00	48.14 1.85 0.00	46.33 1.78 0.00



LUTHERNY_35_KV_BK2 355980	47.88 1.66 0.00	43.41 1.43 0.00	42.55 1.44 0.00	41.24 1.36 0.00	42.86 1.53 0.00	47.92 1.75 0.00	60.22 2.37 0.00	68.23 2.69 0.00	62.73 2.47 0.00	61.00 2.40 0.00	58.55 2.20 0.00	54.83 2.01 0.00	52.01 1.76 0.00	50.49 1.71 0.00	51.11 1.68 0.00	52.13 1.81 0.00	53.25 2.10 0.00	58.49 2.52 0.00	64.10 2.88 0.00	72.32 3.18 0.00	64.71 2.90 0.00	56.33 2.22 0.00	48.18 1.90 0.00	46.33 1.78 0.00
LWR___OSWEGATCHIE_HYD 23850	45.24 -0.97 0.00	41.19 -0.80 0.00	40.29 -0.82 0.00	39.20 -0.68 0.00	40.71 -0.62 0.00	45.66 -0.51 0.00	57.33 -0.52 0.00	65.08 -0.46 0.00	59.41 -0.84 0.00	57.48 -1.11 0.00	55.00 -1.35 0.00	51.45 -1.37 0.00	49.05 -1.21 0.00	47.66 -1.12 0.00	48.20 -1.24 0.00	49.06 -1.26 0.00	49.67 -1.48 0.00	54.51 -1.46 0.00	59.69 -1.53 0.00	67.68 -1.45 0.00	60.44 -1.36 0.00	52.92 -1.19 0.00	45.13 -1.16 0.00	43.39 -1.16 0.00
LYONS_FALL_HYD 23570	46.58 0.37 0.00	42.41 0.42 0.00	41.52 0.41 0.00	40.36 0.48 0.00	41.91 0.58 0.00	46.95 0.78 0.00	59.12 1.27 0.00	67.18 1.64 0.00	61.40 1.14 0.00	59.24 0.65 0.00	56.80 0.45 0.00	53.09 0.27 0.00	50.56 0.30 0.00	49.07 0.29 0.00	49.68 0.25 0.00	50.57 0.25 0.00	51.15 0.00 0.00	56.14 0.17 0.00	61.65 0.43 0.00	69.83 0.69 0.00	62.29 0.49 0.00	54.39 0.27 0.00	46.38 0.09 0.00	44.64 0.09 0.00
MADISON___COUNTY_LFGE 323628	47.32 1.11 0.00	43.08 1.09 0.00	42.18 1.07 0.00	40.92 1.04 0.00	42.49 1.16 0.00	47.55 1.39 0.00	59.82 1.97 0.00	67.83 2.29 0.00	62.19 1.93 0.00	60.06 1.46 0.00	57.59 1.24 0.00	53.88 1.06 0.00	51.31 1.06 0.00	49.76 0.98 0.00	50.42 0.99 0.00	51.33 1.01 0.00	52.17 1.02 0.00	57.15 1.18 0.00	62.81 1.59 0.00	71.21 2.07 0.00	63.53 1.73 0.00	55.47 1.35 0.00	47.40 1.11 0.00	45.62 1.07 0.00
MALONE___115KV_TB1 356076	47.14 0.92 0.00	42.83 0.84 0.00	41.89 0.78 0.00	40.80 0.92 0.00	42.28 0.95 0.00	47.41 1.25 0.00	58.95 1.10 0.00	66.46 0.92 0.00	60.92 0.66 0.00	59.42 0.82 0.00	56.92 0.56 0.00	53.51 0.69 0.00	51.11 0.85 0.00	49.66 0.88 0.00	50.17 0.74 0.00	51.08 0.75 0.00	51.87 0.72 0.00	56.53 0.56 0.00	61.40 0.18 0.00	69.28 0.14 0.00	62.05 0.25 0.00	54.87 0.76 0.00	46.75 0.46 0.00	44.95 0.40 0.00
MAPLEWOD_115KV_TB3 80458	46.58 0.37 0.00	42.36 0.38 0.00	41.48 0.37 0.00	40.24 0.36 0.00	41.74 0.41 0.00	46.58 0.42 0.00	58.49 0.64 0.00	66.33 0.79 0.00	61.04 0.78 0.00	59.53 0.94 0.00	57.31 0.96 0.00	53.73 0.90 0.00	50.96 0.70 0.00	49.51 0.73 0.00	50.17 0.74 0.00	51.13 0.81 0.00	52.12 0.97 0.00	57.26 1.29 0.00	62.57 1.35 0.00	70.52 1.38 0.00	63.10 1.30 0.00	55.14 1.03 0.00	47.16 0.88 0.00	45.39 0.85 0.00
MAPLE_RIDGE_WT_1 323574	46.12 -0.09 0.00	41.90 -0.08 0.00	41.03 -0.08 0.00	39.84 -0.04 0.00	41.29 -0.04 0.00	46.12 -0.05 0.00	57.74 -0.12 0.00	65.34 -0.20 0.00	60.08 -0.18 0.00	58.42 -0.18 0.00	56.24 -0.11 0.00	52.67 -0.16 0.00	50.16 -0.10 0.00	48.68 -0.10 0.00	49.28 -0.15 0.00	50.17 -0.15 0.00	50.95 -0.20 0.00	55.75 -0.22 0.00	60.79 -0.43 0.00	68.51 -0.62 0.00	61.12 -0.68 0.00	53.47 -0.65 0.00	45.64 -0.65 0.00	43.83 -0.71 0.00
MAPLE_RIDGE_WT_2 323611	46.12 -0.09 0.00	41.90 -0.08 0.00	41.03 -0.08 0.00	39.84 -0.04 0.00	41.29 -0.04 0.00	46.12 -0.05 0.00	57.74 -0.12 0.00	65.34 -0.20 0.00	60.08 -0.18 0.00	58.42 -0.18 0.00	56.24 -0.11 0.00	52.67 -0.16 0.00	50.16 -0.10 0.00	48.68 -0.10 0.00	49.28 -0.15 0.00	50.17 -0.15 0.00	50.95 -0.20 0.00	55.75 -0.22 0.00	60.79 -0.43 0.00	68.51 -0.62 0.00	61.12 -0.68 0.00	53.47 -0.65 0.00	45.64 -0.65 0.00	43.83 -0.71 0.00
MARBLE_RIVER_WT_PWR 323696	46.95 0.74 0.00	42.66 0.67 0.00	41.77 0.66 0.00	40.60 0.72 0.00	42.11 0.78 0.00	47.09 0.92 0.00	58.37 0.52 0.00	65.67 0.13 0.00	60.26 0.00 0.00	58.71 0.12 0.00	56.86 0.51 0.00	53.20 0.37 0.00	50.71 0.45 0.00	49.27 0.49 0.00	49.78 0.35 0.00	50.68 0.35 0.00	51.41 0.26 0.00	56.36 0.39 0.00	60.67 -0.55 0.00	68.24 -0.90 0.00	60.94 -0.87 0.00	53.90 -0.22 0.00	46.38 0.09 0.00	44.55 0.00 0.00
MARSHVLE_115KV_TB1 80742	49.22 3.00 0.00	44.63 2.65 0.00	43.82 2.71 0.00	42.44 2.55 0.00	44.18 2.85 0.00	49.49 3.32 0.00	62.54 4.69 0.00	70.72 5.18 0.00	64.54 4.28 0.00	61.88 3.28 0.00	59.06 2.70 0.00	55.10 2.27 0.00	52.67 2.41 0.00	51.07 2.29 0.00	51.56 2.13 0.00	52.69 2.37 0.00	54.07 2.92 0.00	59.89 3.92 0.00	66.18 4.96 0.00	74.74 5.60 0.00	66.93 5.13 0.00	58.01 3.90 0.00	49.48 3.19 0.00	47.62 3.07 0.00
MARSH_HILL_WT_PWR 323713	48.07 1.85 0.00	43.54 1.55 0.00	42.80 1.69 0.00	41.44 1.55 0.00	43.06 1.74 0.00	47.74 1.57 0.00	59.70 1.85 0.00	66.72 1.18 0.00	60.80 0.54 0.00	57.90 -0.70 0.00	55.28 -1.07 0.00	51.66 -1.16 0.00	49.50 -0.75 0.00	47.61 -1.17 0.00	48.30 -1.13 0.00	49.32 -1.01 0.00	49.72 -1.43 0.00	53.96 -2.01 0.00	59.51 -1.71 0.00	67.20 -1.94 0.00	59.70 -2.10 0.00	52.11 -2.00 0.00	44.62 -1.66 0.00	43.43 -1.11 0.00
MCINTYRE_115KV_TB2 80467	46.77 0.55 0.00	42.57 0.59 0.00	41.65 0.53 0.00	40.56 0.68 0.00	42.07 0.74 0.00	47.18 1.02 0.00	58.95 1.10 0.00	66.72 1.18 0.00	60.80 0.54 0.00	59.01 0.41 0.00	56.47 0.11 0.00	52.83 0.00 0.00	50.41 0.15 0.00	48.98 0.20 0.00	49.58 0.15 0.00	50.52 0.20 0.00	51.25 0.10 0.00	56.25 0.28 0.00	61.53 0.31 0.00	69.83 0.69 0.00	62.36 0.56 0.00	54.82 0.70 0.00	46.79 0.51 0.00	45.08 0.53 0.00
MECO_____69_KV_BK1 80468	49.54 3.33 0.00	44.93 2.94 0.00	44.07 2.96 0.00	42.67 2.79 0.00	44.47 3.14 0.00	49.77 3.60 0.00	63.00 5.15 0.00	71.24 5.70 0.00	65.14 4.88 0.00	62.58 3.98 0.00	59.74 3.38 0.00	55.68 2.85 0.00	53.07 2.81 0.00	51.51 2.73 0.00	52.05 2.62 0.00	53.24 2.92 0.00	54.53 3.38 0.00	60.39 4.42 0.00	66.67 5.45 0.00	75.29 6.15 0.00	67.36 5.56 0.00	58.34 4.22 0.00	49.76 3.47 0.00	47.89 3.34 0.00
MENANDS___115KV_TB5 355628	46.31 0.09 0.00	42.11 0.13 0.00	41.23 0.12 0.00	40.04 0.16 0.00	41.49 0.17 0.00	46.31 0.14 0.00	58.14 0.29 0.00	65.93 0.39 0.00	60.68 0.42 0.00	59.18 0.59 0.00	57.03 0.68 0.00	53.51 0.69 0.00	50.71 0.45 0.00	49.27 0.49 0.00	49.93 0.49 0.00	50.87 0.55 0.00	51.87 0.72 0.00	56.92 0.95 0.00	62.20 0.98 0.00	70.04 0.90 0.00	62.73 0.93 0.00	54.82 0.70 0.00	46.93 0.65 0.00	45.17 0.62 0.00
MG INDUSTRY___DRP 24185	46.63 0.42 0.00	42.41 0.42 0.00	41.56 0.45 0.00	40.32 0.44 0.00	41.82 0.50 0.00	46.63 0.46 0.00	58.49 0.64 0.00	66.26 0.72 0.00	60.92 0.66 0.00	59.30 0.70 0.00	56.97 0.62 0.00	53.41 0.58 0.00	50.66 0.40 0.00	49.22 0.44 0.00	49.88 0.44 0.00	50.82 0.50 0.00	51.82 0.66 0.00	56.87 0.90 0.00	62.26 1.04 0.00	70.17 1.04 0.00	62.85 1.05 0.00	54.93 0.81 0.00	47.02 0.74 0.00	45.26 0.71 0.00



MID___OSWEGATCHIE_HYD 23849	45.24 -0.97 0.00	41.19 -0.80 0.00	40.29 -0.82 0.00	39.20 -0.68 0.00	40.71 -0.62 0.00	45.66 -0.51 0.00	57.33 -0.52 0.00	65.08 -0.46 0.00	59.41 -0.84 0.00	57.48 -1.11 0.00	55.00 -1.35 0.00	51.45 -1.37 0.00	49.05 -1.21 0.00	47.66 -1.12 0.00	48.20 -1.24 0.00	49.06 -1.26 0.00	49.67 -1.48 0.00	54.51 -1.46 0.00	59.69 -1.53 0.00	67.68 -1.45 0.00	60.44 -1.36 0.00	52.92 -1.19 0.00	45.13 -1.16 0.00	43.39 -1.16 0.00
MID___RAQUETTE_HYD 23851	45.43 -0.79 0.00	41.32 -0.67 0.00	40.37 -0.74 0.00	39.32 -0.56 0.00	40.79 -0.54 0.00	45.71 -0.46 0.00	57.10 -0.75 0.00	64.69 -0.85 0.00	59.17 -1.08 0.00	57.54 -1.05 0.00	55.17 -1.18 0.00	51.72 -1.11 0.00	49.30 -0.95 0.00	47.95 -0.83 0.00	48.49 -0.94 0.00	49.37 -0.96 0.00	50.08 -1.07 0.00	54.85 -1.12 0.00	59.81 -1.41 0.00	67.68 -1.45 0.00	60.44 -1.36 0.00	53.14 -0.97 0.00	45.36 -0.93 0.00	43.66 -0.89 0.00
MILLIKEN___1 23584	47.51 1.29 0.00	43.16 1.18 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.53 1.20 0.00	47.46 1.29 0.00	59.76 1.91 0.00	67.64 2.10 0.00	61.95 1.69 0.00	59.77 1.17 0.00	57.26 0.90 0.00	53.51 0.69 0.00	50.96 0.70 0.00	49.32 0.54 0.00	49.97 0.54 0.00	50.93 0.60 0.00	51.77 0.61 0.00	56.64 0.67 0.00	62.38 1.16 0.00	70.73 1.59 0.00	63.04 1.24 0.00	55.09 0.97 0.00	47.12 0.83 0.00	45.48 0.94 0.00
MILLIKEN___2 23585	47.51 1.29 0.00	43.16 1.18 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.53 1.20 0.00	47.46 1.29 0.00	59.76 1.91 0.00	67.64 2.10 0.00	61.95 1.69 0.00	59.77 1.17 0.00	57.26 0.90 0.00	53.51 0.69 0.00	50.96 0.70 0.00	49.32 0.54 0.00	49.97 0.54 0.00	50.93 0.60 0.00	51.77 0.61 0.00	56.64 0.67 0.00	62.38 1.16 0.00	70.73 1.59 0.00	63.04 1.24 0.00	55.09 0.97 0.00	47.12 0.83 0.00	45.48 0.94 0.00
MILLIKEN___DIESEL 23629	47.51 1.29 0.00	43.16 1.18 0.00	42.30 1.19 0.00	41.00 1.12 0.00	42.53 1.20 0.00	47.46 1.29 0.00	59.76 1.91 0.00	67.64 2.10 0.00	61.95 1.69 0.00	59.77 1.17 0.00	57.26 0.90 0.00	53.51 0.69 0.00	50.96 0.70 0.00	49.32 0.54 0.00	49.97 0.54 0.00	50.93 0.60 0.00	51.77 0.61 0.00	56.64 0.67 0.00	62.38 1.16 0.00	70.73 1.59 0.00	63.04 1.24 0.00	55.09 0.97 0.00	47.12 0.83 0.00	45.48 0.94 0.00
MILLSEAT___LFGE 323607	47.60 1.39 0.00	43.29 1.30 0.00	42.39 1.28 0.00	41.12 1.24 0.00	42.81 1.49 0.00	47.37 1.20 0.00	58.31 0.46 0.00	64.76 -0.78 0.00	59.90 -0.36 0.00	57.42 -1.17 0.00	54.84 -1.52 0.00	51.03 -1.80 0.00	49.15 -1.11 0.00	47.32 -1.46 0.00	48.15 -1.29 0.00	49.11 -1.21 0.00	48.80 -2.35 0.00	52.84 -3.13 0.00	57.48 -3.74 0.00	65.33 -3.80 0.00	58.59 -3.22 0.00	51.46 -2.65 0.00	44.43 -1.85 0.00	43.57 -0.98 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	47.51 1.29 0.00	43.12 1.13 0.00	42.10 0.99 0.00	40.76 0.88 0.00	42.20 0.87 0.00	47.46 1.29 0.00	59.70 1.85 0.00	68.10 2.56 0.00	62.67 2.41 0.00	61.29 2.70 0.00	59.06 2.70 0.00	55.57 2.75 0.00	52.77 2.51 0.00	51.37 2.59 0.00	52.05 2.62 0.00	52.94 2.62 0.00	54.02 2.86 0.00	59.22 3.25 0.00	64.59 3.37 0.00	72.94 3.80 0.00	65.26 3.46 0.00	56.93 2.81 0.00	48.55 2.27 0.00	46.55 2.00 0.00
MILLWOOD_13_KV_LOAD 356217	47.56 1.34 0.00	43.20 1.22 0.00	42.18 1.07 0.00	40.88 1.00 0.00	42.32 0.99 0.00	47.55 1.39 0.00	59.88 2.02 0.00	68.23 2.69 0.00	62.85 2.59 0.00	61.41 2.81 0.00	59.23 2.87 0.00	55.68 2.85 0.00	52.87 2.61 0.00	51.51 2.73 0.00	52.25 2.82 0.00	53.14 2.82 0.00	54.17 3.02 0.00	59.38 3.41 0.00	64.77 3.55 0.00	73.22 4.08 0.00	65.45 3.65 0.00	57.09 2.98 0.00	48.64 2.36 0.00	46.64 2.09 0.00
MODEL_CITY_ENERGY 24167	46.49 0.28 0.00	42.28 0.30 0.00	41.32 0.21 0.00	40.12 0.24 0.00	41.95 0.62 0.00	46.12 -0.05 0.00	56.29 -1.56 0.00	62.07 -3.48 0.00	57.67 -2.59 0.00	55.32 -3.28 0.00	52.97 -3.38 0.00	49.55 -3.28 0.00	47.74 -2.51 0.00	45.76 -3.02 0.00	46.62 -2.82 0.00	47.55 -2.77 0.00	47.16 -3.99 0.00	50.71 -5.26 0.00	55.40 -5.82 0.00	62.91 -6.22 0.00	56.36 -5.44 0.00	49.73 -4.38 0.00	43.00 -3.29 0.00	42.28 -2.27 0.00
MODERN_LFGE___ 323580	46.49 0.28 0.00	42.28 0.30 0.00	41.32 0.21 0.00	40.12 0.24 0.00	41.95 0.62 0.00	46.12 -0.05 0.00	56.29 -1.56 0.00	62.07 -3.48 0.00	57.67 -2.59 0.00	55.32 -3.28 0.00	52.97 -3.38 0.00	49.55 -3.28 0.00	47.74 -2.51 0.00	45.76 -3.02 0.00	46.62 -2.82 0.00	47.55 -2.77 0.00	47.16 -3.99 0.00	50.71 -5.26 0.00	55.40 -5.82 0.00	62.91 -6.22 0.00	56.36 -5.44 0.00	49.73 -4.38 0.00	43.00 -3.29 0.00	42.28 -2.27 0.00
MOHAWK_PAPER___DRP 24187	46.58 0.37 0.00	42.36 0.38 0.00	41.48 0.37 0.00	40.24 0.36 0.00	41.74 0.41 0.00	46.58 0.42 0.00	58.49 0.64 0.00	66.33 0.79 0.00	61.04 0.78 0.00	59.53 0.94 0.00	57.31 0.96 0.00	53.73 0.90 0.00	50.96 0.70 0.00	49.51 0.73 0.00	50.17 0.74 0.00	51.13 0.81 0.00	52.12 0.97 0.00	57.26 1.29 0.00	62.57 1.35 0.00	70.52 1.38 0.00	63.10 1.30 0.00	55.14 1.03 0.00	47.16 0.88 0.00	45.39 0.85 0.00
MOHICAN___35_KV_115KV_LD 80490	48.16 1.94 0.00	43.67 1.68 0.00	42.84 1.73 0.00	41.48 1.60 0.00	43.15 1.82 0.00	48.29 2.12 0.00	60.86 3.01 0.00	69.01 3.47 0.00	63.45 3.19 0.00	61.64 3.05 0.00	59.06 2.70 0.00	55.26 2.43 0.00	52.42 2.16 0.00	50.83 2.05 0.00	51.46 2.03 0.00	52.54 2.21 0.00	53.71 2.56 0.00	59.10 3.13 0.00	64.83 3.61 0.00	73.15 4.01 0.00	65.51 3.71 0.00	56.77 2.65 0.00	48.51 2.22 0.00	46.64 2.09 0.00
MONGAUP___HYD 23641	47.32 1.11 0.00	43.04 1.05 0.00	42.06 0.95 0.00	40.68 0.80 0.00	42.20 0.87 0.00	47.32 1.15 0.00	59.42 1.56 0.00	67.37 1.83 0.00	61.89 1.63 0.00	60.23 1.64 0.00	57.93 1.58 0.00	54.47 1.64 0.00	51.66 1.41 0.00	50.20 1.42 0.00	50.91 1.48 0.00	51.83 1.51 0.00	52.58 1.43 0.00	58.27 2.30 0.00	63.79 2.57 0.00	72.18 3.04 0.00	64.02 2.22 0.00	56.39 2.27 0.00	48.27 1.99 0.00	46.33 1.78 0.00
MONTAUK___DIESEL 23721	47.88 1.66 0.00	43.12 1.13 0.00	41.81 0.70 0.00	40.00 0.12 0.00	41.33 0.00 0.00	46.81 0.65 0.00	58.32 0.46 0.00	66.92 1.38 0.00	62.07 1.81 0.00	59.71 1.11 0.00	57.71 1.35 0.00	54.63 1.80 -0.01	53.37 1.81 -1.30	53.46 2.00 -2.68	55.58 2.57 -3.58	56.94 2.92 -3.70	58.95 3.32 -4.47	63.03 4.03 -3.03	65.43 3.80 -0.42	73.22 4.08 -0.01	65.70 3.89 -0.01	60.35 3.57 -2.66	54.32 3.24 -4.80	48.03 3.47 -0.01
MOONROAD_115KV_HARTFLD_TB1-2 355988	49.31 3.10 0.00	44.55 2.56 0.00	43.78 2.67 0.00	42.59 2.71 0.00	44.06 2.73 0.00	48.57 2.40 0.00	60.40 2.55 0.00	69.60 4.06 0.00	62.19 1.93 0.00	59.59 1.00 0.00	56.92 0.56 0.00	52.93 0.11 0.00	50.56 0.30 0.00	48.19 -0.59 0.00	48.79 -0.64 0.00	49.47 -0.86 0.00	48.70 -2.46 0.00	51.83 -4.14 0.00	56.81 -4.41 0.00	64.09 -5.05 0.00	57.11 -4.70 0.00	49.84 -4.28 0.00	43.28 -3.01 0.00	42.50 -2.05 0.00



MORRIS RIDGE___SOLAR 323848	47.37 1.16 0.00	42.87 0.88 0.00	42.14 1.03 0.00	40.84 0.96 0.00	42.40 1.07 0.00	46.95 0.78 0.00	58.37 0.52 0.00	64.95 -0.59 0.00	59.23 -1.02 0.00	56.49 -2.11 0.00	53.99 -2.36 0.00	50.56 -2.27 0.00	48.50 -1.76 0.00	46.63 -2.15 0.00	47.36 -2.07 0.00	48.36 -1.96 0.00	48.70 -2.45 0.00	52.78 -3.19 0.00	57.97 -3.25 0.00	65.33 -3.80 0.00	58.16 -3.65 0.00	50.92 -3.19 0.00	43.74 -2.55 0.00	42.72 -1.83 0.00
MORTIMER_115KV_TB3 55949	46.82 0.60 0.00	42.41 0.42 0.00	41.65 0.53 0.00	40.44 0.56 0.00	41.82 0.50 0.00	46.54 0.37 0.00	57.97 0.12 0.00	65.15 -0.39 0.00	60.14 -0.12 0.00	57.95 -0.64 0.00	55.57 -0.79 0.00	51.82 -1.00 0.00	49.65 -0.60 0.00	47.95 -0.83 0.00	48.74 -0.69 0.00	49.67 -0.65 0.00	49.82 -1.33 0.00	54.01 -1.96 0.00	59.32 -1.90 0.00	67.20 -1.94 0.00	60.20 -1.61 0.00	52.60 -1.52 0.00	45.31 -0.97 0.00	44.01 -0.53 0.00
MOTHAVN_138_KV_9M4_REV_LBMP_J 345006	47.88 1.66 0.00	43.46 1.47 0.00	42.34 1.23 0.00	41.00 1.12 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.17 2.31 0.00	68.75 3.21 0.00	63.27 3.01 0.00	61.94 3.34 0.00	59.74 3.38 0.00	56.21 3.38 0.00	53.37 3.12 0.00	51.95 3.17 0.00	52.69 3.26 0.00	53.54 3.22 0.00	54.63 3.48 0.00	59.89 3.92 0.00	65.26 4.04 0.00	73.70 4.56 0.00	65.94 4.14 0.00	57.47 3.36 0.00	48.97 2.68 0.00	46.95 2.41 0.00
MUNSVILLE_WIND_PWR 323609	50.19 3.98 0.00	45.81 3.82 0.00	44.85 3.74 0.00	43.63 3.75 0.00	45.42 4.09 0.00	50.88 4.71 0.00	64.27 6.42 0.00	72.94 7.40 0.00	66.41 6.15 0.00	63.46 4.86 0.00	60.52 4.17 0.00	56.37 3.54 0.00	53.72 3.46 0.00	51.95 3.17 0.00	52.60 3.17 0.00	53.69 3.37 0.00	54.53 3.38 0.00	59.94 3.97 0.00	66.24 5.02 0.00	75.57 6.43 0.00	67.18 5.37 0.00	58.50 4.38 0.00	49.80 3.52 0.00	48.02 3.48 0.00
N SALMON___HYD 24042	47.14 0.92 0.00	42.83 0.84 0.00	41.89 0.78 0.00	40.80 0.92 0.00	42.28 0.95 0.00	47.42 1.25 0.00	58.95 1.10 0.00	66.46 0.92 0.00	60.92 0.66 0.00	59.42 0.82 0.00	57.37 1.02 0.00	53.57 0.74 0.00	51.11 0.85 0.00	49.66 0.88 0.00	50.17 0.74 0.00	51.08 0.76 0.00	51.87 0.72 0.00	56.98 1.01 0.00	61.40 0.18 0.00	69.14 0.00 0.00	61.68 -0.12 0.00	54.44 0.33 0.00	46.75 0.46 0.00	44.95 0.40 0.00
N.AKRON__115KV_KNAPP 355671	47.56 1.34 0.00	43.20 1.22 0.00	42.30 1.19 0.00	41.36 1.48 0.00	42.53 1.20 0.00	47.05 0.88 0.00	58.14 0.29 0.00	64.56 -0.98 0.00	59.72 -0.54 0.00	57.31 -1.29 0.00	54.78 -1.58 0.00	51.08 -1.74 0.00	49.05 -1.21 0.00	47.07 -1.71 0.00	48.05 -1.38 0.00	48.91 -1.41 0.00	48.70 -2.46 0.00	52.33 -3.64 0.00	57.36 -3.86 0.00	65.13 -4.01 0.00	58.40 -3.40 0.00	51.03 -3.08 0.00	44.34 -1.94 0.00	43.48 -1.07 0.00
N.BELMOR_69_KV_BK1 55787	48.20 1.99 0.00	43.54 1.55 0.00	42.34 1.23 0.00	40.84 0.96 0.00	42.36 1.03 0.00	47.92 1.75 0.00	59.70 1.85 0.00	68.29 2.75 0.00	63.15 2.89 0.00	61.41 2.81 0.00	59.51 3.16 0.00	56.12 3.28 -0.01	55.11 3.02 -1.84	55.64 3.07 -3.78	57.66 3.16 -5.07	58.72 3.17 -5.23	60.91 3.43 -6.33	64.17 3.92 -4.29	65.85 4.04 -0.59	73.78 4.63 -0.01	66.08 4.26 -0.01	61.50 3.63 -3.76	56.17 3.10 -6.79	47.45 2.90 -0.01
N.E_GEN_SANDY PD 24062	47.00 0.78 0.00	42.70 0.71 0.00	41.73 0.62 0.00	40.48 0.60 0.00	41.91 0.58 0.00	47.00 0.83 0.00	58.78 0.92 0.00	66.72 1.18 0.00	61.40 1.14 0.00	60.00 1.40 0.00	57.82 1.46 0.00	54.36 1.53 0.00	51.46 1.20 0.00	50.00 1.22 0.00	50.71 1.28 0.00	51.58 1.26 0.00	52.64 1.48 0.00	57.71 1.74 0.00	63.06 1.83 0.00	71.14 2.01 0.00	63.72 1.92 0.00	55.74 1.62 0.00	47.67 1.39 0.00	45.75 1.20 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	47.37 1.16 0.00	43.04 1.05 0.00	42.02 0.90 0.00	40.68 0.80 0.00	42.11 0.79 0.00	47.32 1.15 0.00	59.59 1.74 0.00	67.90 2.36 0.00	62.55 2.29 0.00	61.12 2.52 0.00	58.95 2.59 0.00	55.42 2.59 0.00	52.62 2.36 0.00	51.22 2.44 0.00	51.90 2.47 0.00	52.84 2.52 0.00	53.86 2.71 0.00	59.10 3.13 0.00	64.40 3.18 0.00	72.73 3.60 0.00	65.08 3.28 0.00	56.77 2.65 0.00	48.41 2.13 0.00	46.42 1.87 0.00
N.QUEENS_27_KV_LOAD 356247	48.07 1.85 -0.01	43.63 1.64 -0.01	42.52 1.40 -0.01	41.04 1.16 0.00	42.49 1.16 0.00	47.88 1.71 0.00	60.11 2.26 0.00	68.75 3.21 0.00	63.33 3.07 0.00	62.10 3.52 0.01	59.90 3.55 0.01	56.41 3.59 0.01	53.51 3.27 0.01	52.14 3.37 0.01	52.83 3.41 0.01	53.74 3.42 0.01	54.83 3.68 0.01	60.05 4.09 0.01	65.44 4.22 0.01	73.91 4.77 0.00	66.18 4.39 0.01	57.68 3.57 0.01	49.10 2.82 0.01	47.09 2.54 -0.01
N.TROY___115KV_TB1 355778	47.09 0.88 0.00	42.74 0.76 0.00	41.85 0.74 0.00	40.56 0.68 0.00	42.07 0.74 0.00	47.09 0.92 0.00	58.95 1.10 0.00	66.79 1.25 0.00	61.46 1.21 0.00	59.89 1.29 0.00	57.65 1.30 0.00	54.04 1.22 0.00	51.21 0.95 0.00	49.71 0.93 0.00	50.37 0.94 0.00	51.33 1.01 0.00	52.38 1.23 0.00	57.54 1.57 0.00	62.93 1.71 0.00	70.93 1.80 0.00	63.53 1.73 0.00	55.47 1.35 0.00	47.49 1.20 0.00	45.62 1.07 0.00
NARROWS_GT1_1 24228	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
NARROWS_GT1_2 24229	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
NARROWS_GT1_3 24230	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
NARROWS_GT1_4 24231	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24



NARROWS_GT1_5 24232	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
NARROWS_GT1_6 24233	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
NARROWS_GT1_7 24234	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
NARROWS_GT1_8 24235	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
NARROWS_GT2_1 24236	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
NARROWS_GT2_2 24237	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
NARROWS_GT2_3 24238	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
NARROWS_GT2_4 24239	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
NARROWS_GT2_5 24240	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
NARROWS_GT2_6 24241	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
NARROWS_GT2_7 24242	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
NARROWS_GT2_8 24243	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	47.05 0.83 0.00	42.78 0.80 0.00	41.93 0.82 0.00	40.64 0.76 0.00	42.24 0.91 0.00	47.09 0.92 0.00	59.30 1.45 0.00	67.05 1.51 0.00	61.52 1.27 0.00	59.83 1.23 0.00	57.26 0.90 0.00	53.57 0.74 0.00	50.86 0.60 0.00	49.32 0.54 0.00	50.02 0.59 0.00	51.03 0.70 0.00	52.23 1.07 0.00	57.54 1.57 0.00	63.06 1.84 0.00	71.14 2.00 0.00	63.66 1.85 0.00	55.58 1.46 0.00	47.53 1.25 0.00	45.84 1.29 0.00
NCHELSEA_115KV_TR2 355582	47.56 1.34 0.00	43.20 1.22 0.00	42.18 1.07 0.00	40.84 0.96 0.00	42.32 0.99 0.00	47.55 1.39 0.00	59.94 2.08 0.00	68.16 2.62 0.00	62.79 2.53 0.00	61.35 2.75 0.00	59.06 2.70 0.00	55.47 2.64 0.00	52.72 2.46 0.00	51.27 2.49 0.00	52.05 2.62 0.00	52.94 2.62 0.00	54.02 2.86 0.00	59.33 3.36 0.00	64.65 3.43 0.00	73.01 3.87 0.00	65.32 3.52 0.00	56.98 2.87 0.00	48.60 2.31 0.00	46.64 2.09 0.00
NEG CAPITAL___MECHNVIL 23645	47.83 1.62 0.00	43.42 1.43 0.00	42.55 1.44 0.00	41.24 1.36 0.00	42.81 1.49 0.00	47.88 1.71 0.00	60.17 2.32 0.00	68.17 2.62 0.00	62.73 2.47 0.00	61.00 2.40 0.00	58.55 2.20 0.00	54.89 2.06 0.00	52.06 1.81 0.00	50.53 1.75 0.00	51.16 1.73 0.00	52.18 1.86 0.00	53.30 2.15 0.00	58.49 2.52 0.00	64.16 2.94 0.00	72.32 3.18 0.00	64.77 2.97 0.00	56.33 2.22 0.00	48.18 1.90 0.00	46.33 1.78 0.00



NEG CENTRAL_HIGH_ACRES 23767	45.94 -0.28 0.00	41.65 -0.34 0.00	40.87 -0.25 0.00	39.64 -0.24 0.00	41.04 -0.29 0.00	45.75 -0.42 0.00	57.16 -0.69 0.00	64.49 -1.05 0.00	59.41 -0.84 0.00	57.36 -1.23 0.00	54.95 -1.41 0.00	51.24 -1.58 0.00	49.10 -1.15 0.00	47.51 -1.27 0.00	48.20 -1.23 0.00	49.11 -1.21 0.00	49.41 -1.74 0.00	53.84 -2.13 0.00	58.96 -2.26 0.00	66.79 -2.35 0.00	59.70 -2.10 0.00	52.27 -1.84 0.00	44.85 -1.44 0.00	43.48 -1.07 0.00
NEG CENTRAL___DRP 24199	47.00 0.79 0.00	42.66 0.67 0.00	41.85 0.74 0.00	40.56 0.68 0.00	42.03 0.70 0.00	46.91 0.74 0.00	58.78 0.93 0.00	66.39 0.85 0.00	60.92 0.66 0.00	58.71 0.12 0.00	56.30 -0.06 0.00	52.72 -0.11 0.00	50.26 0.00 0.00	48.63 -0.15 0.00	49.28 -0.15 0.00	50.22 -0.10 0.00	50.90 -0.26 0.00	55.41 -0.56 0.00	60.98 -0.24 0.00	69.07 -0.07 0.00	61.55 -0.25 0.00	53.90 -0.22 0.00	46.19 -0.09 0.00	44.64 0.09 0.00
NEG CENTRAL___INDECK 23768	48.48 2.26 0.00	44.00 2.02 0.00	43.21 2.10 0.00	41.84 1.95 0.00	43.39 2.07 0.00	48.34 2.17 0.00	60.46 2.61 0.00	67.70 2.16 0.00	61.58 1.32 0.00	58.65 0.06 0.00	55.85 -0.51 0.00	52.04 -0.79 0.00	49.85 -0.40 0.00	48.05 -0.73 0.00	48.79 -0.64 0.00	49.82 -0.50 0.00	50.18 -0.97 0.00	54.79 -1.18 0.00	60.67 -0.55 0.00	69.00 -0.14 0.00	61.68 -0.12 0.00	53.90 -0.22 0.00	46.19 -0.09 0.00	44.90 0.35 0.00
NEG CENTRAL___SENECA 23627	47.42 1.20 0.00	42.99 1.01 0.00	42.22 1.11 0.00	40.92 1.04 0.00	42.40 1.07 0.00	47.28 1.11 0.00	59.18 1.33 0.00	66.65 1.11 0.00	61.16 0.90 0.00	58.77 0.18 0.00	56.30 -0.06 0.00	52.72 -0.11 0.00	50.36 0.10 0.00	48.63 -0.15 0.00	49.33 -0.10 0.00	50.27 -0.05 0.00	50.90 -0.26 0.00	55.24 -0.73 0.00	60.91 -0.31 0.00	68.93 -0.21 0.00	61.43 -0.37 0.00	53.90 -0.22 0.00	46.19 -0.09 0.00	44.68 0.13 0.00
NEG CENTRAL___STATE_STREET 24147	46.77 0.55 0.00	42.49 0.50 0.00	41.65 0.53 0.00	40.36 0.48 0.00	41.82 0.50 0.00	46.68 0.51 0.00	58.66 0.81 0.00	66.46 0.92 0.00	60.98 0.72 0.00	59.01 0.41 0.00	56.64 0.28 0.00	52.93 0.11 0.00	50.46 0.20 0.00	48.88 0.10 0.00	49.53 0.10 0.00	50.47 0.15 0.00	51.20 0.05 0.00	55.91 -0.06 0.00	61.53 0.31 0.00	69.62 0.48 0.00	62.11 0.31 0.00	54.28 0.16 0.00	46.42 0.14 0.00	44.81 0.27 0.00
NEG MILLWOOD___DRP 24198	47.69 1.48 0.00	43.41 1.43 0.00	42.39 1.27 0.00	41.08 1.20 0.00	42.57 1.24 0.00	47.83 1.66 0.00	60.34 2.49 0.00	68.62 3.08 0.00	63.27 3.01 0.00	61.76 3.16 0.00	59.51 3.16 0.00	55.84 3.01 0.00	53.12 2.86 0.00	51.76 2.98 0.00	52.50 3.06 0.00	53.39 3.07 0.00	54.53 3.38 0.00	59.72 3.75 0.00	65.14 3.92 0.00	73.63 4.49 0.00	65.88 4.08 0.00	57.42 3.30 0.00	48.92 2.64 0.00	46.91 2.36 0.00
NEG NORTH_FLCN_SEA 23793	47.51 1.29 0.00	43.16 1.18 0.00	42.22 1.11 0.00	41.08 1.20 0.00	42.61 1.28 0.00	47.69 1.52 0.00	58.66 0.81 0.00	65.74 0.20 0.00	60.32 0.06 0.00	58.77 0.18 0.00	56.35 0.00 0.00	53.51 0.69 0.00	51.01 0.75 0.00	49.56 0.78 0.00	50.07 0.64 0.00	50.98 0.65 0.00	51.77 0.61 0.00	55.97 0.00 0.00	60.73 -0.49 0.00	68.45 -0.69 0.00	61.68 -0.12 0.00	55.03 0.92 0.00	46.93 0.65 0.00	45.13 0.58 0.00
NEG NORTH_KES_CHATEGAY 23792	46.91 0.69 0.00	42.66 0.67 0.00	41.73 0.62 0.00	40.60 0.72 0.00	42.07 0.74 0.00	47.09 0.92 0.00	58.32 0.46 0.00	65.67 0.13 0.00	60.26 0.00 0.00	58.71 0.12 0.00	56.35 0.00 0.00	53.14 0.32 0.00	50.71 0.45 0.00	49.27 0.49 0.00	49.78 0.35 0.00	50.67 0.35 0.00	51.41 0.26 0.00	55.86 -0.11 0.00	60.61 -0.61 0.00	68.31 -0.83 0.00	61.25 -0.56 0.00	54.33 0.22 0.00	46.33 0.05 0.00	44.50 -0.04 0.00
NEG NORTH___ALICE_FALLS 23915	47.83 1.62 0.00	43.50 1.51 0.00	42.51 1.40 0.00	41.40 1.52 0.00	42.90 1.57 0.00	48.11 1.94 0.00	59.36 1.50 0.00	66.65 1.11 0.00	61.10 0.84 0.00	59.59 1.00 0.00	57.14 0.79 0.00	54.04 1.22 0.00	51.56 1.31 0.00	50.10 1.32 0.00	50.62 1.19 0.00	51.53 1.21 0.00	52.38 1.23 0.00	56.81 0.84 0.00	61.65 0.43 0.00	69.48 0.35 0.00	62.48 0.68 0.00	55.63 1.52 0.00	47.40 1.11 0.00	45.53 0.98 0.00
NEG NORTH___LWR_SARANAC 23913	47.83 1.62 0.00	43.50 1.51 0.00	42.51 1.40 0.00	41.40 1.52 0.00	42.90 1.57 0.00	48.11 1.94 0.00	59.36 1.50 0.00	66.65 1.11 0.00	61.10 0.84 0.00	59.59 1.00 0.00	57.14 0.79 0.00	54.04 1.22 0.00	51.56 1.31 0.00	50.10 1.32 0.00	50.62 1.19 0.00	51.53 1.21 0.00	52.38 1.23 0.00	56.81 0.84 0.00	61.65 0.43 0.00	69.48 0.35 0.00	62.48 0.68 0.00	55.63 1.52 0.00	47.40 1.11 0.00	45.53 0.98 0.00
NEG NORTH___PLATTSBURG 23628	47.83 1.62 0.00	43.50 1.51 0.00	42.51 1.40 0.00	41.40 1.52 0.00	42.90 1.57 0.00	48.11 1.94 0.00	59.35 1.50 0.00	66.65 1.11 0.00	61.10 0.84 0.00	59.59 1.00 0.00	57.88 1.52 0.00	54.04 1.22 0.00	51.56 1.30 0.00	50.10 1.32 0.00	50.62 1.18 0.00	51.53 1.21 0.00	52.38 1.23 0.00	57.53 1.56 0.00	61.65 0.43 0.00	69.34 0.21 0.00	61.86 0.06 0.00	54.93 0.81 0.00	47.39 1.11 0.00	45.53 0.98 0.00
NEG WEST_LEA_LOCKPORT 23791	46.95 0.74 0.00	42.57 0.59 0.00	41.73 0.62 0.00	40.80 0.92 0.00	41.95 0.62 0.00	46.21 0.05 0.00	56.87 -0.98 0.00	62.79 -2.75 0.00	58.27 -1.99 0.00	55.90 -2.70 0.00	53.65 -2.70 0.00	50.19 -2.64 0.00	48.20 -2.06 0.00	46.05 -2.73 0.00	47.06 -2.37 0.00	47.96 -2.37 0.00	47.67 -3.48 0.00	50.93 -5.04 0.00	55.96 -5.26 0.00	63.54 -5.60 0.00	56.92 -4.88 0.00	49.84 -4.28 0.00	43.41 -2.87 0.00	42.68 -1.87 0.00
NEG WEST___LANCASTER 23811	47.32 1.11 0.00	42.74 0.76 0.00	42.06 0.95 0.00	40.92 1.04 0.00	42.28 0.95 0.00	46.63 0.46 0.00	57.80 -0.06 0.00	63.71 -1.84 0.00	59.05 -1.21 0.00	56.60 -1.99 0.00	54.21 -2.14 0.00	50.71 -2.11 0.00	48.60 -1.66 0.00	46.49 -2.29 0.00	47.40 -2.03 0.00	48.21 -2.11 0.00	48.13 -3.02 0.00	51.66 -4.31 0.00	56.75 -4.47 0.00	64.44 -4.70 0.00	57.54 -4.26 0.00	50.33 -3.79 0.00	43.65 -2.64 0.00	43.17 -1.38 0.00
NEG_PENN_ALLEGHNY 23528	47.14 0.92 0.00	42.78 0.80 0.00	41.98 0.86 0.00	40.68 0.80 0.00	42.20 0.87 0.00	47.00 0.83 0.00	58.95 1.10 0.00	66.59 1.05 0.00	61.16 0.91 0.00	59.12 0.53 0.00	56.75 0.40 0.00	53.09 0.27 0.00	50.66 0.40 0.00	48.98 0.20 0.00	49.68 0.25 0.00	50.57 0.25 0.00	51.25 0.10 0.00	55.86 -0.11 0.00	61.34 0.12 0.00	69.41 0.28 0.00	61.93 0.12 0.00	54.22 0.11 0.00	46.38 0.09 0.00	44.86 0.31 0.00
NEG___GEN_MONROE 24207	47.00 0.79 0.00	42.62 0.63 0.00	41.85 0.74 0.00	40.68 0.80 0.00	42.07 0.74 0.00	46.86 0.69 0.00	58.32 0.46 0.00	65.34 -0.20 0.00	60.20 -0.06 0.00	57.89 -0.70 0.00	55.40 -0.96 0.00	51.61 -1.22 0.00	49.40 -0.85 0.00	47.66 -1.12 0.00	48.49 -0.94 0.00	49.42 -0.91 0.00	49.51 -1.64 0.00	53.68 -2.29 0.00	58.96 -2.27 0.00	66.99 -2.14 0.00	60.01 -1.79 0.00	52.44 -1.68 0.00	45.27 -1.02 0.00	44.06 -0.49 0.00



NEPA___ENERGY 23901	48.02 1.80 0.00	43.37 1.39 0.00	42.67 1.56 0.00	41.52 1.64 0.00	42.94 1.61 0.00	47.32 1.15 0.00	58.78 0.93 0.00	67.51 1.97 0.00	60.38 0.12 0.00	57.89 -0.70 0.00	55.40 -0.96 0.00	51.72 -1.11 0.00	49.50 -0.75 0.00	47.37 -1.41 0.00	48.20 -1.24 0.00	49.01 -1.31 0.00	48.80 -2.35 0.00	52.33 -3.64 0.00	57.49 -3.73 0.00	65.27 -3.87 0.00	58.28 -3.52 0.00	50.92 -3.19 0.00	44.16 -2.13 0.00	43.43 -1.11 0.00
NEVERSink___HYD 23608	47.14 0.92 0.00	42.83 0.84 0.00	41.85 0.74 0.00	40.52 0.64 0.00	42.03 0.70 0.00	47.14 0.97 0.00	59.47 1.62 0.00	67.64 2.10 0.00	62.24 1.99 0.00	60.77 2.17 0.00	58.38 2.03 0.00	54.83 2.01 0.00	52.06 1.81 0.00	50.59 1.81 0.00	51.31 1.88 0.00	52.23 1.91 0.00	53.35 2.20 0.00	58.55 2.58 0.00	63.98 2.76 0.00	72.39 3.25 0.00	64.71 2.91 0.00	56.49 2.38 0.00	48.14 1.85 0.00	46.20 1.65 0.00
NEWKRMKL_115KV_TB1 55635	46.08 -0.14 0.00	41.94 -0.04 0.00	41.07 -0.04 0.00	39.88 0.00 0.00	41.33 0.00 0.00	46.08 -0.09 0.00	57.91 0.06 0.00	65.67 0.13 0.00	60.44 0.18 0.00	58.95 0.35 0.00	56.75 0.39 0.00	53.25 0.42 0.00	50.51 0.25 0.00	49.07 0.29 0.00	49.73 0.30 0.00	50.62 0.30 0.00	51.66 0.51 0.00	56.70 0.73 0.00	61.89 0.67 0.00	69.76 0.62 0.00	62.48 0.68 0.00	54.55 0.43 0.00	46.65 0.37 0.00	44.95 0.40 0.00
NEWTON___FALLS_HYD 23847	45.24 -0.97 0.00	41.19 -0.80 0.00	40.29 -0.82 0.00	39.20 -0.68 0.00	40.71 -0.62 0.00	45.66 -0.51 0.00	57.33 -0.52 0.00	65.08 -0.46 0.00	59.41 -0.84 0.00	57.48 -1.11 0.00	55.00 -1.35 0.00	51.45 -1.37 0.00	49.05 -1.21 0.00	47.66 -1.12 0.00	48.20 -1.24 0.00	49.06 -1.26 0.00	49.67 -1.48 0.00	54.51 -1.46 0.00	59.69 -1.53 0.00	67.68 -1.45 0.00	60.44 -1.36 0.00	52.92 -1.19 0.00	45.13 -1.16 0.00	43.39 -1.16 0.00
NGRID_A1_DSASP 323792	46.86 0.65 0.00	41.86 -0.13 0.00	41.73 0.62 0.00	40.48 0.60 0.00	41.54 0.21 0.00	45.66 -0.51 0.00	56.12 -1.73 0.00	61.81 -3.73 0.00	57.49 -2.77 0.00	55.20 -3.40 0.00	52.91 -3.44 0.00	49.55 -3.28 0.00	47.74 -2.51 0.00	45.71 -3.07 0.00	46.62 -2.82 0.00	47.50 -2.82 0.00	47.11 -4.04 0.00	50.60 -5.37 0.00	55.16 -6.06 0.00	62.71 -6.43 0.00	56.18 -5.62 0.00	49.68 -4.44 0.00	42.95 -3.33 0.00	42.28 -2.27 0.00
NGRID_A2_DSASP 323793	46.86 0.65 0.00	41.86 -0.13 0.00	41.73 0.62 0.00	40.48 0.60 0.00	41.54 0.21 0.00	45.66 -0.51 0.00	56.12 -1.73 0.00	61.81 -3.73 0.00	57.49 -2.77 0.00	55.20 -3.40 0.00	52.91 -3.44 0.00	49.55 -3.28 0.00	47.74 -2.51 0.00	45.71 -3.07 0.00	46.62 -2.82 0.00	47.50 -2.82 0.00	47.11 -4.04 0.00	50.60 -5.37 0.00	55.16 -6.06 0.00	62.71 -6.43 0.00	56.18 -5.62 0.00	49.68 -4.44 0.00	42.95 -3.33 0.00	42.28 -2.27 0.00
NGRID_A4_DSASP 323807	46.86 0.65 0.00	41.86 -0.13 0.00	41.73 0.62 0.00	40.48 0.60 0.00	41.54 0.21 0.00	45.66 -0.51 0.00	56.12 -1.73 0.00	61.81 -3.73 0.00	57.49 -2.77 0.00	55.20 -3.40 0.00	52.91 -3.44 0.00	49.55 -3.28 0.00	47.74 -2.51 0.00	45.71 -3.07 0.00	46.62 -2.82 0.00	47.50 -2.82 0.00	47.11 -4.04 0.00	50.60 -5.37 0.00	55.16 -6.06 0.00	62.71 -6.43 0.00	56.18 -5.62 0.00	49.68 -4.44 0.00	42.95 -3.33 0.00	42.28 -2.27 0.00
NIAGARA_115E_LBMP 323715	46.26 0.05 0.00	42.16 0.17 0.00	41.11 0.00 0.00	39.92 0.04 0.00	41.78 0.46 0.00	45.94 -0.23 0.00	55.95 -1.91 0.00	61.61 -3.93 0.00	57.31 -2.95 0.00	54.96 -3.63 0.00	52.69 -3.66 0.00	49.29 -3.54 0.00	47.49 -2.76 0.00	45.46 -3.32 0.00	46.37 -3.06 0.00	47.30 -3.02 0.00	46.91 -4.25 0.00	50.43 -5.54 0.00	54.98 -6.25 0.00	62.50 -6.64 0.00	55.99 -5.81 0.00	49.46 -4.65 0.00	42.76 -3.52 0.00	42.05 -2.49 0.00
NIAGARA_115W_LBMP 323714	46.77 0.56 0.00	41.70 -0.29 0.00	41.64 0.53 0.00	40.40 0.52 0.00	41.37 0.04 0.00	45.52 -0.65 0.00	55.95 -1.91 0.00	61.61 -3.93 0.00	57.31 -2.95 0.00	55.02 -3.58 0.00	52.75 -3.61 0.00	49.39 -3.43 0.00	47.54 -2.71 0.00	45.56 -3.22 0.00	46.41 -3.02 0.00	47.35 -2.97 0.00	46.96 -4.19 0.00	50.43 -5.54 0.00	54.98 -6.25 0.00	62.50 -6.64 0.00	55.99 -5.81 0.00	49.52 -4.60 0.00	42.81 -3.47 0.00	42.14 -2.41 0.00
NIAGARA_230_LBMP 323716	46.68 0.46 0.00	42.07 0.08 0.00	41.48 0.37 0.00	40.28 0.40 0.00	41.70 0.37 0.00	45.89 -0.28 0.00	56.41 -1.44 0.00	62.27 -3.28 0.00	57.85 -2.41 0.00	55.55 -3.05 0.00	53.25 -3.10 0.00	49.82 -3.01 0.00	48.00 -2.26 0.00	46.00 -2.78 0.00	46.86 -2.57 0.00	47.76 -2.56 0.00	47.42 -3.73 0.00	50.99 -4.98 0.00	55.59 -5.63 0.00	63.19 -5.95 0.00	56.61 -5.19 0.00	50.00 -4.11 0.00	43.23 -3.06 0.00	42.50 -2.05 0.00
NIAGARA___115KV_198_GIBSON 55903	46.77 0.55 0.00	41.69 -0.29 0.00	41.65 0.53 0.00	40.00 0.12 0.00	41.87 0.54 0.00	46.03 -0.14 0.00	55.94 -1.91 0.00	61.61 -3.93 0.00	57.31 -2.95 0.00	55.02 -3.57 0.00	52.86 -3.49 0.00	49.55 -3.28 0.00	47.54 -2.71 0.00	45.41 -3.37 0.00	46.42 -3.02 0.00	47.30 -3.02 0.00	46.96 -4.19 0.00	50.09 -5.88 0.00	54.98 -6.24 0.00	62.50 -6.64 0.00	55.93 -5.87 0.00	49.14 -4.98 0.00	42.86 -3.43 0.00	42.14 -2.41 0.00
NIAGARA___ 23760	46.68 0.46 0.00	42.07 0.08 0.00	41.48 0.37 0.00	40.28 0.40 0.00	41.70 0.37 0.00	45.89 -0.28 0.00	56.41 -1.44 0.00	62.27 -3.28 0.00	57.85 -2.41 0.00	55.55 -3.05 0.00	53.25 -3.10 0.00	49.82 -3.01 0.00	48.00 -2.26 0.00	46.00 -2.78 0.00	46.86 -2.57 0.00	47.76 -2.56 0.00	47.42 -3.73 0.00	50.99 -4.98 0.00	55.59 -5.63 0.00	63.19 -5.95 0.00	56.61 -5.19 0.00	50.00 -4.11 0.00	43.23 -3.06 0.00	42.50 -2.05 0.00
NINE_MILE_1 23575	45.38 -0.83 0.00	41.19 -0.80 0.00	40.37 -0.74 0.00	39.12 -0.76 0.00	40.54 -0.79 0.00	45.20 -0.97 0.00	56.70 -1.16 0.00	64.16 -1.38 0.00	58.99 -1.27 0.00	57.25 -1.35 0.00	55.00 -1.35 0.00	51.51 -1.32 0.00	49.05 -1.21 0.00	47.56 -1.22 0.00	48.20 -1.23 0.00	49.11 -1.21 0.00	49.82 -1.33 0.00	54.46 -1.51 0.00	59.75 -1.47 0.00	67.55 -1.59 0.00	60.32 -1.48 0.00	52.82 -1.30 0.00	45.17 -1.11 0.00	43.57 -0.98 0.00
NINE_MILE_2 23744	45.38 -0.83 0.00	41.19 -0.80 0.00	40.37 -0.74 0.00	39.12 -0.76 0.00	40.54 -0.79 0.00	45.25 -0.92 0.00	56.70 -1.16 0.00	64.16 -1.38 0.00	58.99 -1.27 0.00	57.25 -1.35 0.00	55.00 -1.35 0.00	51.51 -1.32 0.00	49.05 -1.21 0.00	47.56 -1.22 0.00	48.24 -1.19 0.00	49.11 -1.21 0.00	49.82 -1.33 0.00	54.46 -1.51 0.00	59.75 -1.47 0.00	67.55 -1.59 0.00	60.32 -1.48 0.00	52.82 -1.30 0.00	45.17 -1.11 0.00	43.57 -0.98 0.00
NM_CAPITAL___DRP 24208	46.22 0.00 0.00	42.03 0.04 0.00	41.15 0.04 0.00	39.96 0.08 0.00	41.41 0.08 0.00	46.21 0.05 0.00	58.03 0.17 0.00	65.80 0.26 0.00	60.56 0.30 0.00	59.06 0.47 0.00	56.86 0.51 0.00	53.36 0.53 0.00	50.61 0.35 0.00	49.17 0.39 0.00	49.83 0.40 0.00	50.72 0.40 0.00	51.77 0.61 0.00	56.81 0.84 0.00	62.02 0.80 0.00	69.90 0.76 0.00	62.61 0.80 0.00	54.71 0.60 0.00	46.79 0.51 0.00	45.04 0.49 0.00



NM_CENTRAL___DRP 24181	46.22 0.00 0.00	41.99 0.00 0.00	41.15 0.04 0.00	39.84 -0.04 0.00	41.33 0.00 0.00	46.12 -0.05 0.00	57.91 0.06 0.00	65.54 0.00 0.00	60.32 0.06 0.00	58.48 -0.12 0.00	56.18 -0.17 0.00	52.56 -0.26 0.00	50.11 -0.15 0.00	48.54 -0.24 0.00	49.18 -0.25 0.00	50.07 -0.25 0.00	50.84 -0.31 0.00	55.47 -0.50 0.00	60.91 -0.31 0.00	68.93 -0.21 0.00	61.49 -0.31 0.00	53.79 -0.32 0.00	46.05 -0.23 0.00	44.37 -0.18 0.00
NM_FRONTIER___DRP 24179	46.77 0.55 0.00	41.69 -0.29 0.00	41.65 0.53 0.00	40.00 0.12 0.00	41.87 0.54 0.00	46.03 -0.14 0.00	55.94 -1.91 0.00	61.61 -3.93 0.00	57.31 -2.95 0.00	55.02 -3.57 0.00	52.86 -3.49 0.00	49.55 -3.28 0.00	47.54 -2.71 0.00	45.41 -3.37 0.00	46.42 -3.02 0.00	47.30 -3.02 0.00	46.96 -4.19 0.00	50.09 -5.88 0.00	54.98 -6.24 0.00	62.50 -6.64 0.00	55.93 -5.87 0.00	49.14 -4.98 0.00	42.86 -3.43 0.00	42.14 -2.41 0.00
NM_ST_REGIS___HYD 24053	45.89 -0.32 0.00	41.73 -0.25 0.00	40.78 -0.33 0.00	39.72 -0.16 0.00	41.20 -0.12 0.00	46.17 0.00 0.00	57.62 -0.23 0.00	65.15 -0.39 0.00	59.66 -0.60 0.00	58.07 -0.53 0.00	55.62 -0.73 0.00	52.19 -0.63 0.00	49.80 -0.45 0.00	48.44 -0.34 0.00	48.94 -0.49 0.00	49.82 -0.50 0.00	50.54 -0.61 0.00	55.30 -0.67 0.00	60.24 -0.98 0.00	68.10 -1.04 0.00	60.87 -0.93 0.00	53.63 -0.49 0.00	45.73 -0.56 0.00	44.01 -0.53 0.00
NORTHPORT___1 23551	47.56 1.34 0.00	42.95 0.97 0.00	41.73 0.62 0.00	40.24 0.36 0.00	41.74 0.41 0.00	47.32 1.15 0.00	58.31 0.46 0.00	66.59 1.05 0.00	61.70 1.44 0.00	59.94 1.35 0.00	58.10 1.75 0.00	55.22 2.38 -0.01	53.65 2.11 -1.28	53.66 2.25 -2.63	55.18 2.23 -3.52	56.12 2.16 -3.64	57.96 2.40 -4.40	61.64 2.69 -2.98	64.51 2.88 -0.41	72.26 3.11 -0.01	64.72 2.91 -0.01	59.22 2.49 -2.62	53.50 2.50 -4.72	47.00 2.45 -0.01
NORTHPORT___2 23552	47.56 1.34 0.00	42.95 0.97 0.00	41.73 0.62 0.00	40.24 0.36 0.00	41.74 0.41 0.00	47.32 1.15 0.00	58.31 0.46 0.00	66.59 1.05 0.00	61.70 1.44 0.00	59.94 1.35 0.00	58.10 1.75 0.00	55.22 2.38 -0.01	53.65 2.11 -1.28	53.66 2.25 -2.63	55.18 2.23 -3.52	56.12 2.16 -3.64	57.96 2.40 -4.40	61.64 2.69 -2.98	64.51 2.88 -0.41	72.26 3.11 -0.01	64.72 2.91 -0.01	59.22 2.49 -2.62	53.50 2.50 -4.72	47.00 2.45 -0.01
NORTHPORT___3 23553	48.07 1.85 0.00	43.42 1.43 0.00	42.18 1.07 0.00	40.68 0.80 0.00	42.24 0.91 0.00	47.78 1.62 0.00	59.47 1.62 0.00	68.03 2.49 0.00	62.91 2.65 0.00	61.17 2.58 0.00	59.28 2.93 0.00	56.11 3.28 -0.01	54.52 2.96 -1.30	54.48 3.03 -2.67	56.13 3.12 -3.58	57.14 3.12 -3.70	59.00 3.38 -4.47	62.75 3.75 -3.03	65.68 4.04 -0.42	73.64 4.49 -0.01	65.95 4.14 -0.01	60.24 3.47 -2.66	54.09 3.01 -4.80	47.36 2.81 -0.01
NORTHPORT___4 23650	48.07 1.85 0.00	43.42 1.43 0.00	42.18 1.07 0.00	40.68 0.80 0.00	42.24 0.91 0.00	47.78 1.62 0.00	59.47 1.62 0.00	68.03 2.49 0.00	62.91 2.65 0.00	61.17 2.58 0.00	59.28 2.93 0.00	56.11 3.28 -0.01	54.52 2.96 -1.30	54.48 3.03 -2.67	56.13 3.12 -3.58	57.14 3.12 -3.70	59.00 3.38 -4.47	62.75 3.75 -3.03	65.68 4.04 -0.42	73.64 4.49 -0.01	65.95 4.14 -0.01	60.24 3.47 -2.66	54.09 3.01 -4.80	47.36 2.81 -0.01
NORTHPORT___IC 23718	47.56 1.34 0.00	42.95 0.97 0.00	41.73 0.62 0.00	40.20 0.32 0.00	41.74 0.41 0.00	47.32 1.15 0.00	58.32 0.46 0.00	66.59 1.05 0.00	61.70 1.45 0.00	59.94 1.35 0.00	58.33 1.97 0.00	55.11 2.27 -0.01	53.65 2.11 -1.28	53.65 2.24 -2.63	55.18 2.22 -3.52	56.17 2.21 -3.64	57.96 2.40 -4.40	61.80 2.85 -2.98	64.38 2.75 -0.41	72.26 3.11 -0.01	64.65 2.84 -0.01	59.17 2.44 -2.62	53.41 2.41 -4.72	47.01 2.45 -0.01
NORTH___COUNTRY_ESR 323785	46.91 0.69 0.00	42.66 0.67 0.00	41.73 0.62 0.00	40.60 0.72 0.00	42.07 0.74 0.00	47.09 0.92 0.00	58.31 0.46 0.00	65.67 0.13 0.00	60.26 0.00 0.00	58.71 0.12 0.00	56.86 0.51 0.00	53.15 0.32 0.00	50.71 0.45 0.00	49.27 0.49 0.00	49.78 0.35 0.00	50.68 0.35 0.00	51.41 0.26 0.00	56.36 0.39 0.00	60.61 -0.61 0.00	68.17 -0.97 0.00	60.88 -0.93 0.00	53.85 -0.27 0.00	46.33 0.05 0.00	44.50 -0.04 0.00
NPX_GEN_1385_PROXY 323591	47.09 0.88 0.00	42.53 0.54 0.00	41.32 0.21 0.00	39.84 -0.04 0.00	41.33 0.00 0.00	46.86 0.69 0.00	57.68 -0.17 0.00	65.54 0.00 0.00	61.10 0.84 0.00	59.36 0.76 0.00	57.37 1.02 0.00	54.68 1.85 -0.01	52.74 1.20 -1.28	52.77 1.36 -2.63	54.09 1.14 -3.52	55.02 1.06 -3.64	57.04 1.48 -4.40	60.69 1.74 -2.98	63.16 1.53 -0.41	69.70 1.59 1.03	63.36 1.55 -0.01	58.09 1.35 -2.62	53.09 2.08 -4.72	46.56 2.01 -0.01
NPX_GEN_CSC 323557	47.00 0.78 0.00	42.36 0.38 0.00	41.11 0.00 0.00	39.56 -0.32 0.00	41.04 -0.29 0.00	46.63 0.46 0.00	57.80 -0.06 0.00	66.13 0.59 0.00	61.22 0.96 0.00	58.89 0.29 0.00	57.14 0.79 0.00	54.31 1.48 -0.01	52.86 1.30 -1.30	52.92 1.46 -2.67	54.89 1.88 -3.58	55.98 1.96 -3.70	57.82 2.20 -4.47	61.63 2.63 -3.03	64.45 2.82 -0.42	72.18 3.04 -0.01	64.66 2.84 -0.01	59.21 2.44 -2.66	53.30 2.22 -4.80	46.69 2.14 -0.01
NSINS_S___GLNS_FALLS 23858	48.20 1.99 0.00	43.71 1.72 0.00	42.84 1.73 0.00	41.52 1.64 0.00	43.19 1.86 0.00	48.34 2.17 0.00	60.92 3.07 0.00	69.15 3.60 0.00	63.51 3.25 0.00	61.70 3.11 0.00	59.12 2.76 0.00	55.36 2.54 0.00	52.52 2.26 0.00	50.93 2.15 0.00	51.56 2.13 0.00	52.64 2.31 0.00	53.76 2.61 0.00	59.16 3.19 0.00	64.95 3.73 0.00	73.22 4.08 0.00	65.57 3.77 0.00	56.82 2.71 0.00	48.55 2.27 0.00	46.69 2.14 0.00
NUCOR_STEEL___DRP 24197	46.91 0.69 0.00	42.62 0.63 0.00	41.77 0.66 0.00	40.48 0.60 0.00	41.95 0.62 0.00	46.81 0.65 0.00	58.84 0.98 0.00	66.59 1.05 0.00	61.10 0.84 0.00	59.18 0.59 0.00	56.75 0.39 0.00	53.04 0.21 0.00	50.56 0.30 0.00	48.98 0.20 0.00	49.63 0.20 0.00	50.52 0.20 0.00	51.30 0.15 0.00	56.03 0.06 0.00	61.59 0.37 0.00	69.69 0.55 0.00	62.17 0.37 0.00	54.33 0.22 0.00	46.56 0.28 0.00	44.90 0.36 0.00
NUMBER_THREE_WT_PWR 323818	46.26 0.05 0.00	42.16 0.17 0.00	41.23 0.12 0.00	40.08 0.20 0.00	41.66 0.33 0.00	46.72 0.56 0.00	58.84 0.98 0.00	66.92 1.38 0.00	61.04 0.78 0.00	58.77 0.18 0.00	56.30 -0.06 0.00	52.56 -0.26 0.00	50.06 -0.20 0.00	48.54 -0.24 0.00	49.14 -0.29 0.00	50.07 -0.25 0.00	50.44 -0.72 0.00	55.41 -0.56 0.00	60.86 -0.37 0.00	69.00 -0.14 0.00	61.56 -0.25 0.00	53.68 -0.43 0.00	45.78 -0.51 0.00	44.01 -0.53 0.00
NYISO_LBMP_REFERENCE 24008	46.22 0.00 0.00	41.99 0.00 0.00	41.11 0.00 0.00	39.88 0.00 0.00	41.33 0.00 0.00	46.17 0.00 0.00	57.85 0.00 0.00	65.54 0.00 0.00	60.26 0.00 0.00	58.60 0.00 0.00	56.35 0.00 0.00	52.83 0.00 0.00	50.26 0.00 0.00	48.78 0.00 0.00	49.43 0.00 0.00	50.32 0.00 0.00	51.15 0.00 0.00	55.97 0.00 0.00	61.22 0.00 0.00	69.14 0.00 0.00	61.80 0.00 0.00	54.12 0.00 0.00	46.28 0.00 0.00	44.55 0.00 0.00



NYPA_BRENTWD____GT 24164	48.11 1.90 0.00	43.42 1.43 0.00	42.18 1.07 0.00	40.64 0.76 0.00	42.16 0.83 0.00	47.83 1.66 0.00	59.18 1.33 0.00	67.70 2.16 0.00	62.67 2.41 0.00	60.77 2.17 0.00	58.95 2.59 0.00	56.01 3.17 -0.01	54.45 2.86 -1.33	54.44 2.93 -2.74	56.11 3.02 -3.67	57.17 3.07 -3.78	59.01 3.28 -4.58	62.76 3.69 -3.10	65.69 4.04 -0.43	73.57 4.43 -0.01	65.89 4.08 -0.01	60.30 3.47 -2.72	54.38 3.19 -4.91	47.59 3.03 -0.01
NYPA_GOWANUS____GT5 24156	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
NYPA_GOWANUS____GT6 24157	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.49 1.60 -0.01	42.95 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.83 4.04 -13.20	63.85 4.00 -3.49	89.43 4.01 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.79 4.42 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.00 -32.20	81.84 4.06 -23.67	61.24 3.29 -11.67	58.77 2.99 -11.24
NYPA_HARLEM_RVR_GT1 24160	48.02 1.80 -0.01	43.59 1.60 -0.01	42.47 1.35 -0.01	41.04 1.16 0.00	42.45 1.12 0.00	47.78 1.62 0.01	60.04 2.20 0.01	68.68 3.15 0.01	63.20 2.95 0.01	61.99 3.40 0.01	59.73 3.38 0.01	56.31 3.49 0.01	53.42 3.17 0.01	51.99 3.22 0.01	52.74 3.31 0.01	53.63 3.32 0.01	54.72 3.58 0.01	59.77 3.81 0.01	65.31 4.10 0.01	73.76 4.63 0.01	66.12 4.32 0.01	57.62 3.52 0.01	49.05 2.78 0.01	47.00 2.45 -0.01
NYPA_HARLEM_RVR_GT2 24161	48.02 1.80 -0.01	43.59 1.60 -0.01	42.47 1.35 -0.01	41.04 1.16 0.00	42.45 1.12 0.00	47.78 1.62 0.01	60.04 2.20 0.01	68.68 3.15 0.01	63.20 2.95 0.01	61.99 3.40 0.01	59.73 3.38 0.01	56.31 3.49 0.01	53.42 3.17 0.01	51.99 3.22 0.01	52.74 3.31 0.01	53.63 3.32 0.01	54.72 3.58 0.01	59.77 3.81 0.01	65.31 4.10 0.01	73.76 4.63 0.01	66.12 4.32 0.01	57.62 3.52 0.01	49.05 2.78 0.01	47.00 2.45 -0.01
NYPA_KENT____GT 24152	52.92 2.17 -4.53	50.58 1.89 -6.70	50.10 1.65 -7.34	41.32 1.43 0.00	42.81 1.45 -0.03	52.84 2.03 -4.64	60.63 2.78 0.00	69.27 3.73 0.00	63.76 3.49 0.00	70.94 3.87 -8.48	62.43 3.83 -2.24	77.69 3.91 -20.95	66.12 3.57 -12.30	83.33 3.61 -30.94	83.28 3.71 -30.14	82.68 3.67 -28.69	83.09 3.94 -28.00	84.91 4.25 -24.69	86.90 4.59 -21.08	88.32 5.25 -13.94	87.33 4.82 -20.70	73.23 3.90 -15.22	56.33 3.15 -6.90	54.04 2.85 -6.64
NYPA_POUCH1____GT 24155	56.35 2.22 -7.91	55.66 1.97 -11.70	55.65 1.73 -12.82	41.41 1.52 -0.01	42.91 1.53 -0.06	56.40 2.12 -8.10	60.64 2.78 -0.01	69.21 3.67 0.00	63.76 3.49 -0.01	75.55 3.75 -13.20	63.62 3.78 -3.49	89.17 3.75 -32.59	69.59 3.42 -15.92	98.53 3.46 -46.28	98.52 3.56 -45.53	98.52 3.57 -44.63	98.53 3.84 -43.55	98.51 4.14 -38.40	98.54 4.53 -32.79	98.80 5.32 -24.34	98.77 4.76 -32.20	81.63 3.84 -23.67	61.11 3.15 -11.67	58.64 2.85 -11.24
NYPA_VERNON____GT2 24162	49.36 1.99 -1.16	45.45 1.76 -1.70	44.50 1.52 -1.87	41.20 1.31 0.00	42.66 1.32 -0.01	49.24 1.89 -1.18	60.46 2.61 0.00	69.08 3.54 0.00	63.57 3.31 0.00	66.12 3.75 -3.77	61.01 3.66 -0.99	65.95 3.81 -9.32	62.40 3.46 -8.68	67.90 3.51 -15.60	67.79 3.61 -14.75	66.65 3.57 -12.76	67.44 3.84 -12.45	71.09 4.14 -10.98	75.06 4.47 -9.37	77.71 5.04 -3.53	75.64 4.64 -9.20	64.66 3.79 -6.76	51.41 3.01 -2.12	49.26 2.67 -2.04
NYPA_VERNON____GT3 24163	49.36 1.99 -1.16	45.45 1.76 -1.70	44.50 1.52 -1.87	41.20 1.31 0.00	42.66 1.32 -0.01	49.24 1.89 -1.18	60.46 2.61 0.00	69.08 3.54 0.00	63.57 3.31 0.00	66.12 3.75 -3.77	61.01 3.66 -0.99	65.95 3.81 -9.32	62.40 3.46 -8.68	67.90 3.51 -15.60	67.79 3.61 -14.75	66.65 3.57 -12.76	67.44 3.84 -12.45	71.09 4.14 -10.98	75.06 4.47 -9.37	77.71 5.04 -3.53	75.64 4.64 -9.20	64.66 3.79 -6.76	51.41 3.01 -2.12	49.26 2.67 -2.04
NYPA____ASTORIA_CC1 323568	48.16 1.94 -0.01	43.72 1.72 -0.01	42.60 1.48 -0.01	41.16 1.28 0.00	42.61 1.28 0.00	48.02 1.85 0.00	60.40 2.54 0.00	69.01 3.47 0.00	63.51 3.25 0.00	64.16 3.69 -1.87	60.50 3.66 -0.49	61.20 3.75 -4.62	60.09 3.42 -6.42	61.20 3.46 -8.96	61.20 3.56 -8.21	60.23 3.57 -6.33	61.11 3.79 -6.18	65.50 4.08 -5.45	70.28 4.41 -4.65	74.12 4.98 0.00	70.94 4.57 -4.57	61.20 3.73 -3.35	49.68 2.96 -0.43	47.63 2.67 -0.41
NYPA____ASTORIA_CC2 323569	48.16 1.94 -0.01	43.72 1.72 -0.01	42.60 1.48 -0.01	41.16 1.28 0.00	42.61 1.28 0.00	48.02 1.85 0.00	60.40 2.54 0.00	69.01 3.47 0.00	63.51 3.25 0.00	64.16 3.69 -1.87	60.50 3.66 -0.49	61.20 3.75 -4.62	60.09 3.42 -6.42	61.20 3.46 -8.96	61.20 3.56 -8.21	60.23 3.57 -6.33	61.11 3.79 -6.18	65.50 4.08 -5.45	70.28 4.41 -4.65	74.12 4.98 0.00	70.94 4.57 -4.57	61.20 3.73 -3.35	49.68 2.96 -0.43	47.63 2.67 -0.41
NYPA____HOLTSVILL 23794	47.65 1.43 0.00	42.99 1.01 0.00	41.73 0.62 0.00	40.20 0.32 0.00	41.74 0.41 0.00	47.32 1.15 0.00	58.55 0.70 0.00	66.85 1.31 0.00	61.94 1.68 0.00	59.94 1.35 0.00	58.21 1.86 0.00	55.27 2.43 -0.01	53.71 2.16 -1.30	53.74 2.29 -2.67	55.48 2.47 -3.58	56.53 2.52 -3.69	58.33 2.71 -4.47	62.13 3.13 -3.02	65.00 3.36 -0.42	72.81 3.66 -0.01	65.21 3.40 -0.01	59.69 2.92 -2.66	53.76 2.68 -4.79	47.18 2.63 -0.01
NYPA____HELLGATE_GT1 24158	48.02 1.80 -0.01	43.59 1.60 -0.01	42.47 1.35 -0.01	41.04 1.16 0.00	42.45 1.12 0.00	47.78 1.62 0.01	60.04 2.20 0.01	68.68 3.15 0.01	63.20 2.95 0.01	61.99 3.40 0.01	59.73 3.38 0.01	56.31 3.49 0.01	53.42 3.17 0.01	51.99 3.22 0.01	52.74 3.31 0.01	53.63 3.32 0.01	54.72 3.58 0.01	59.77 3.81 0.01	65.31 4.10 0.01	73.76 4.63 0.01	66.12 4.32 0.01	57.62 3.52 0.01	49.05 2.78 0.01	47.00 2.45 -0.01
NYPA____HELLGATE_GT2 24159	48.02 1.80 -0.01	43.59 1.60 -0.01	42.47 1.35 -0.01	41.04 1.16 0.00	42.45 1.12 0.00	47.78 1.62 0.01	60.04 2.20 0.01	68.68 3.15 0.01	63.20 2.95 0.01	61.99 3.40 0.01	59.73 3.38 0.01	56.31 3.49 0.01	53.42 3.17 0.01	51.99 3.22 0.01	52.74 3.31 0.01	53.63 3.32 0.01	54.72 3.58 0.01	59.77 3.81 0.01	65.31 4.10 0.01	73.76 4.63 0.01	66.12 4.32 0.01	57.62 3.52 0.01	49.05 2.78 0.01	47.00 2.45 -0.01
NYS_BARGE____HYD 23848	46.95 0.74 0.00	42.62 0.63 0.00	41.73 0.62 0.00	40.48 0.60 0.00	42.24 0.91 0.00	46.49 0.33 0.00	56.87 -0.98 0.00	62.79 -2.75 0.00	58.27 -1.99 0.00	55.90 -2.69 0.00	53.54 -2.82 0.00	50.03 -2.80 0.00	48.19 -2.06 0.00	46.19 -2.59 0.00	47.06 -2.37 0.00	48.01 -2.31 0.00	47.67 -3.48 0.00	51.32 -4.64 0.00	56.02 -5.20 0.00	63.60 -5.53 0.00	56.98 -4.82 0.00	50.27 -3.84 0.00	43.46 -2.82 0.00	42.72 -1.83 0.00



OAK ORCHARD___HYD 24046	46.81 0.60 0.00	42.41 0.42 0.00	41.64 0.53 0.00	40.36 0.48 0.00	41.83 0.50 0.00	46.54 0.37 0.00	57.97 0.12 0.00	65.15 -0.39 0.00	60.14 -0.12 0.00	57.95 -0.64 0.00	55.51 -0.84 0.00	51.77 -1.06 0.00	49.65 -0.60 0.00	48.00 -0.78 0.00	48.74 -0.69 0.00	49.67 -0.66 0.00	49.82 -1.33 0.00	54.23 -1.74 0.00	59.32 -1.90 0.00	67.20 -1.94 0.00	60.19 -1.61 0.00	52.76 -1.35 0.00	45.31 -0.97 0.00	44.01 -0.53 0.00
OAKDALE___35_KV_LOAD 356122	46.95 0.74 0.00	42.57 0.59 0.00	41.77 0.66 0.00	40.52 0.64 0.00	41.99 0.66 0.00	46.77 0.60 0.00	58.61 0.75 0.00	66.20 0.66 0.00	60.80 0.54 0.00	58.77 0.18 0.00	56.47 0.11 0.00	52.88 0.05 0.00	50.41 0.15 0.00	48.73 -0.05 0.00	49.43 0.00 0.00	50.32 0.00 0.00	51.00 -0.15 0.00	55.58 -0.39 0.00	60.98 -0.24 0.00	69.00 -0.14 0.00	61.55 -0.25 0.00	53.90 -0.22 0.00	46.19 -0.09 0.00	44.68 0.13 0.00
OCC_CHEM___DRP 24175	46.86 0.65 0.00	41.86 -0.13 0.00	41.73 0.62 0.00	40.16 0.28 0.00	41.95 0.62 0.00	46.12 -0.05 0.00	56.12 -1.74 0.00	61.80 -3.74 0.00	57.49 -2.77 0.00	55.20 -3.40 0.00	53.03 -3.32 0.00	49.71 -3.12 0.00	47.74 -2.51 0.00	45.56 -3.22 0.00	46.61 -2.82 0.00	47.45 -2.87 0.00	47.11 -4.04 0.00	50.26 -5.71 0.00	55.16 -6.06 0.00	62.71 -6.43 0.00	56.12 -5.69 0.00	49.24 -4.87 0.00	43.00 -3.29 0.00	42.27 -2.27 0.00
OH_GEN_PROXY 24063	46.63 0.42 0.00	42.03 0.04 0.00	41.48 0.37 0.00	40.24 0.36 0.00	41.70 0.37 0.00	45.89 -0.28 0.00	56.46 -1.39 0.00	62.40 -3.14 0.00	57.97 -2.29 0.00	55.61 -2.99 0.00	53.31 -3.04 0.00	49.87 -2.96 0.00	48.05 -2.21 0.00	46.05 -2.73 0.00	46.91 -2.52 0.00	47.81 -2.51 0.00	47.52 -3.63 0.00	51.10 -4.87 0.00	55.77 -5.45 0.00	63.33 -5.81 0.00	56.74 -5.07 0.00	50.11 -4.00 0.00	43.28 -3.01 0.00	42.54 -2.00 0.00
OLIN_CORP_DRP 24177	46.35 0.14 0.00	42.20 0.21 0.00	41.23 0.12 0.00	40.44 0.56 0.00	41.45 0.12 0.00	45.61 -0.55 0.00	56.06 -1.79 0.00	61.74 -3.80 0.00	57.43 -2.83 0.00	55.14 -3.46 0.00	52.92 -3.44 0.00	49.55 -3.28 0.00	47.59 -2.66 0.00	45.46 -3.32 0.00	46.47 -2.97 0.00	47.35 -2.97 0.00	47.01 -4.14 0.00	50.20 -5.76 0.00	55.10 -6.12 0.00	62.64 -6.50 0.00	56.12 -5.69 0.00	49.19 -4.92 0.00	42.91 -3.38 0.00	42.19 -2.36 0.00
OLIN_CORP_DSASP 323712	46.86 0.65 0.00	41.86 -0.13 0.00	41.73 0.62 0.00	40.48 0.60 0.00	41.54 0.21 0.00	45.66 -0.51 0.00	56.12 -1.73 0.00	61.81 -3.73 0.00	57.49 -2.77 0.00	55.20 -3.40 0.00	52.91 -3.44 0.00	49.55 -3.28 0.00	47.74 -2.51 0.00	45.71 -3.07 0.00	46.62 -2.82 0.00	47.50 -2.82 0.00	47.11 -4.04 0.00	50.60 -5.37 0.00	55.16 -6.06 0.00	62.71 -6.43 0.00	56.18 -5.62 0.00	49.68 -4.44 0.00	42.95 -3.33 0.00	42.28 -2.27 0.00
ONEIDA_HERK_LFGE 323681	46.81 0.60 0.00	42.57 0.59 0.00	41.69 0.58 0.00	40.52 0.64 0.00	42.07 0.74 0.00	47.09 0.92 0.00	59.24 1.39 0.00	67.31 1.77 0.00	61.65 1.39 0.00	59.53 0.93 0.00	57.08 0.73 0.00	53.41 0.58 0.00	50.86 0.61 0.00	49.32 0.54 0.00	49.98 0.54 0.00	50.88 0.55 0.00	51.56 0.41 0.00	56.53 0.56 0.00	62.01 0.79 0.00	70.24 1.10 0.00	62.73 0.93 0.00	54.77 0.65 0.00	46.70 0.42 0.00	44.95 0.40 0.00
ONEIDA___115KV_TB4 55905	47.32 1.11 0.00	43.08 1.09 0.00	42.18 1.07 0.00	40.92 1.04 0.00	42.49 1.16 0.00	47.55 1.39 0.00	59.82 1.97 0.00	67.83 2.29 0.00	62.19 1.93 0.00	60.06 1.46 0.00	57.59 1.24 0.00	53.88 1.06 0.00	51.31 1.06 0.00	49.76 0.98 0.00	50.42 0.99 0.00	51.33 1.01 0.00	52.17 1.02 0.00	57.15 1.18 0.00	62.81 1.59 0.00	71.21 2.07 0.00	63.53 1.73 0.00	55.47 1.35 0.00	47.40 1.11 0.00	45.62 1.07 0.00
ONONDAGA_REF_OCCRA 23987	46.40 0.18 0.00	42.11 0.13 0.00	41.28 0.16 0.00	40.00 0.12 0.00	41.45 0.12 0.00	46.26 0.09 0.00	58.14 0.29 0.00	65.87 0.33 0.00	60.56 0.30 0.00	58.65 0.06 0.00	56.35 0.00 0.00	52.72 -0.11 0.00	50.21 -0.05 0.00	48.63 -0.15 0.00	49.33 -0.10 0.00	50.22 -0.10 0.00	51.00 -0.15 0.00	55.69 -0.28 0.00	61.16 -0.06 0.00	69.21 0.07 0.00	61.74 -0.06 0.00	54.01 -0.11 0.00	46.19 -0.09 0.00	44.55 0.00 0.00
ONONDAGA___COGEN 23986	46.49 0.28 0.00	42.24 0.25 0.00	41.36 0.25 0.00	40.08 0.20 0.00	41.54 0.21 0.00	46.35 0.18 0.00	58.26 0.40 0.00	65.93 0.39 0.00	60.62 0.36 0.00	58.77 0.18 0.00	56.47 0.11 0.00	52.83 0.00 0.00	50.31 0.05 0.00	48.73 -0.05 0.00	49.38 -0.05 0.00	50.32 0.00 0.00	51.05 -0.10 0.00	55.75 -0.22 0.00	61.22 0.00 0.00	69.28 0.14 0.00	61.80 0.00 0.00	54.06 -0.05 0.00	46.28 0.00 0.00	44.59 0.04 0.00
ONTARIO___LFGE 23819	47.41 1.20 0.00	42.99 1.01 0.00	42.22 1.11 0.00	40.88 1.00 0.00	42.40 1.07 0.00	47.27 1.11 0.00	59.18 1.33 0.00	66.65 1.11 0.00	61.16 0.91 0.00	58.77 0.18 0.00	56.24 -0.11 0.00	52.67 -0.16 0.00	50.36 0.10 0.00	48.68 -0.10 0.00	49.33 -0.10 0.00	50.32 0.00 0.00	50.90 -0.25 0.00	55.30 -0.67 0.00	60.92 -0.30 0.00	69.00 -0.14 0.00	61.43 -0.37 0.00	53.74 -0.38 0.00	46.15 -0.14 0.00	44.68 0.13 0.00
ORANGEVILLE_WT_PWR 323706	47.19 0.97 0.00	42.70 0.71 0.00	41.98 0.86 0.00	40.72 0.84 0.00	42.28 0.95 0.00	46.72 0.56 0.00	57.85 0.00 0.00	64.23 -1.31 0.00	58.87 -1.38 0.00	56.25 -2.35 0.00	53.82 -2.53 0.00	50.35 -2.48 0.00	48.35 -1.91 0.00	46.44 -2.34 0.00	47.21 -2.22 0.00	48.16 -2.16 0.00	48.18 -2.97 0.00	52.11 -3.86 0.00	57.12 -4.10 0.00	64.16 -4.98 0.00	57.10 -4.70 0.00	50.06 -4.06 0.00	43.09 -3.19 0.00	42.18 -2.36 0.00
ORANGEVILLE___ESR 323794	47.19 0.97 0.00	42.70 0.71 0.00	41.98 0.86 0.00	40.72 0.84 0.00	42.28 0.95 0.00	46.72 0.56 0.00	57.85 0.00 0.00	64.23 -1.31 0.00	58.87 -1.38 0.00	56.25 -2.35 0.00	53.82 -2.53 0.00	50.35 -2.48 0.00	48.35 -1.91 0.00	46.44 -2.34 0.00	47.21 -2.22 0.00	48.16 -2.16 0.00	48.18 -2.97 0.00	52.11 -3.86 0.00	57.12 -4.10 0.00	64.16 -4.98 0.00	57.10 -4.70 0.00	50.06 -4.06 0.00	43.09 -3.19 0.00	42.18 -2.36 0.00
OSWEGATCHIE___HYD 24044	45.24 -0.97 0.00	41.19 -0.80 0.00	40.29 -0.82 0.00	39.20 -0.68 0.00	40.71 -0.62 0.00	45.66 -0.51 0.00	57.33 -0.52 0.00	65.09 -0.46 0.00	59.41 -0.84 0.00	57.48 -1.12 0.00	55.11 -1.24 0.00	51.45 -1.37 0.00	49.05 -1.21 0.00	47.66 -1.12 0.00	48.20 -1.23 0.00	49.07 -1.26 0.00	49.67 -1.49 0.00	54.63 -1.34 0.00	59.69 -1.53 0.00	67.62 -1.52 0.00	60.38 -1.42 0.00	52.82 -1.30 0.00	45.13 -1.16 0.00	43.39 -1.16 0.00
OSWEGO___5 23606	45.66 -0.55 0.00	41.48 -0.50 0.00	40.62 -0.49 0.00	39.36 -0.52 0.00	40.79 -0.54 0.00	45.52 -0.65 0.00	57.10 -0.75 0.00	64.62 -0.92 0.00	59.41 -0.84 0.00	57.66 -0.94 0.00	55.34 -1.01 0.00	51.82 -1.01 0.00	49.40 -0.85 0.00	47.85 -0.93 0.00	48.54 -0.89 0.00	49.42 -0.90 0.00	50.13 -1.02 0.00	54.79 -1.18 0.00	60.12 -1.10 0.00	67.96 -1.18 0.00	60.69 -1.11 0.00	53.14 -0.97 0.00	45.45 -0.83 0.00	43.83 -0.71 0.00



OSWEGO___6 23613	45.66 -0.55 0.00	41.48 -0.50 0.00	40.62 -0.49 0.00	39.36 -0.52 0.00	40.79 -0.54 0.00	45.52 -0.65 0.00	57.10 -0.75 0.00	64.62 -0.92 0.00	59.41 -0.84 0.00	57.66 -0.94 0.00	55.34 -1.01 0.00	51.82 -1.01 0.00	49.40 -0.85 0.00	47.85 -0.93 0.00	48.54 -0.89 0.00	49.42 -0.90 0.00	50.13 -1.02 0.00	54.79 -1.18 0.00	60.12 -1.10 0.00	67.96 -1.18 0.00	60.69 -1.11 0.00	53.14 -0.97 0.00	45.45 -0.83 0.00	43.83 -0.71 0.00
OUTOKUMPU-AB___DRP 24206	47.60 1.39 0.00	42.87 0.88 0.00	42.30 1.19 0.00	41.08 1.20 0.00	42.53 1.20 0.00	46.81 0.65 0.00	57.45 -0.40 0.00	63.31 -2.23 0.00	58.93 -1.33 0.00	56.55 -2.05 0.00	54.27 -2.09 0.00	50.77 -2.06 0.00	48.75 -1.51 0.00	46.58 -2.20 0.00	47.60 -1.83 0.00	48.41 -1.91 0.00	48.13 -3.02 0.00	51.44 -4.53 0.00	56.51 -4.71 0.00	64.23 -4.91 0.00	57.48 -4.33 0.00	50.33 -3.79 0.00	43.88 -2.41 0.00	43.12 -1.43 0.00
OXBOW___BTM 323836	47.19 0.97 0.00	42.32 0.33 0.00	41.98 0.86 0.00	40.72 0.84 0.00	41.95 0.62 0.00	46.12 -0.05 0.00	56.70 -1.16 0.00	62.53 -3.01 0.00	58.15 -2.11 0.00	55.84 -2.75 0.00	53.48 -2.87 0.00	50.03 -2.80 0.00	48.19 -2.06 0.00	46.19 -2.59 0.00	47.06 -2.37 0.00	48.01 -2.31 0.00	47.62 -3.53 0.00	51.16 -4.81 0.00	55.83 -5.39 0.00	63.40 -5.74 0.00	56.80 -5.00 0.00	50.11 -4.00 0.00	43.37 -2.91 0.00	42.68 -1.87 0.00
OXBOW____ 24026	47.19 0.97 0.00	42.32 0.34 0.00	41.97 0.86 0.00	40.56 0.68 0.00	42.20 0.87 0.00	46.40 0.23 0.00	56.70 -1.16 0.00	62.53 -3.01 0.00	58.15 -2.11 0.00	55.84 -2.75 0.00	53.59 -2.76 0.00	50.19 -2.64 0.00	48.20 -2.06 0.00	46.05 -2.73 0.00	47.06 -2.37 0.00	47.91 -2.42 0.00	47.62 -3.53 0.00	50.82 -5.15 0.00	55.77 -5.45 0.00	63.40 -5.74 0.00	56.73 -5.07 0.00	49.73 -4.38 0.00	43.37 -2.92 0.00	42.68 -1.87 0.00
OXY_CHEM_DSASP 323612	46.86 0.65 0.00	41.86 -0.13 0.00	41.73 0.62 0.00	40.16 0.28 0.00	41.95 0.62 0.00	46.12 -0.05 0.00	56.12 -1.74 0.00	61.80 -3.74 0.00	57.49 -2.77 0.00	55.20 -3.40 0.00	53.03 -3.32 0.00	49.71 -3.12 0.00	47.74 -2.51 0.00	45.56 -3.22 0.00	46.61 -2.82 0.00	47.45 -2.87 0.00	47.11 -4.04 0.00	50.26 -5.71 0.00	55.16 -6.06 0.00	62.71 -6.43 0.00	56.12 -5.69 0.00	49.24 -4.87 0.00	43.00 -3.29 0.00	42.27 -2.27 0.00
OZONE_PARK_ESR 323760	48.20 1.99 0.00	43.75 1.76 0.00	42.63 1.52 0.00	41.24 1.36 0.00	42.69 1.36 0.00	48.06 1.89 0.00	60.63 2.78 0.00	69.34 3.80 0.00	63.75 3.49 0.00	62.46 3.87 0.00	60.24 3.89 0.00	56.68 3.86 0.00	53.82 3.57 0.00	52.39 3.61 0.00	53.14 3.71 0.00	54.05 3.72 0.00	55.09 3.94 0.00	60.45 4.48 0.00	65.87 4.65 0.00	74.39 5.25 0.00	66.62 4.82 0.00	58.01 3.90 0.00	49.34 3.05 0.00	47.31 2.76 0.00
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	46.86 0.65 0.00	41.86 -0.13 0.00	41.73 0.62 0.00	40.16 0.28 0.00	41.95 0.62 0.00	46.12 -0.05 0.00	56.12 -1.74 0.00	61.80 -3.74 0.00	57.49 -2.77 0.00	55.20 -3.40 0.00	53.03 -3.32 0.00	49.71 -3.12 0.00	47.74 -2.51 0.00	45.56 -3.22 0.00	46.61 -2.82 0.00	47.45 -2.87 0.00	47.11 -4.04 0.00	50.26 -5.71 0.00	55.16 -6.06 0.00	62.71 -6.43 0.00	56.12 -5.69 0.00	49.24 -4.87 0.00	43.00 -3.29 0.00	42.27 -2.27 0.00
PACKARD__115KV_DUPONT_184 80571	46.86 0.65 0.00	41.86 -0.13 0.00	41.73 0.62 0.00	40.16 0.28 0.00	41.95 0.62 0.00	46.12 -0.05 0.00	56.12 -1.74 0.00	61.80 -3.74 0.00	57.49 -2.77 0.00	55.20 -3.40 0.00	53.03 -3.32 0.00	49.71 -3.12 0.00	47.74 -2.51 0.00	45.56 -3.22 0.00	46.61 -2.82 0.00	47.45 -2.87 0.00	47.11 -4.04 0.00	50.26 -5.71 0.00	55.16 -6.06 0.00	62.71 -6.43 0.00	56.12 -5.69 0.00	49.24 -4.87 0.00	43.00 -3.29 0.00	42.27 -2.27 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	48.03 1.80 -0.01	43.59 1.60 -0.01	42.48 1.36 -0.01	40.96 1.08 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.11 2.26 0.00	68.69 3.15 0.00	63.21 2.95 0.00	61.99 3.40 0.01	59.78 3.44 0.01	56.25 3.43 0.01	53.41 3.17 0.01	51.99 3.22 0.01	52.73 3.31 0.01	53.63 3.32 0.01	54.67 3.53 0.01	59.99 4.03 0.01	65.31 4.10 0.01	73.77 4.63 0.00	66.06 4.26 0.01	57.57 3.46 0.01	49.01 2.73 0.01	47.00 2.45 -0.01
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	48.21 1.99 -0.01	43.80 1.81 -0.01	42.72 1.60 -0.01	41.24 1.36 0.00	42.73 1.41 0.00	48.11 1.94 0.00	60.46 2.60 0.00	69.08 3.54 0.00	63.51 3.25 0.00	62.22 3.63 0.01	59.95 3.61 0.01	56.41 3.59 0.01	53.51 3.27 0.01	52.09 3.32 0.01	52.78 3.36 0.01	53.69 3.37 0.01	54.78 3.63 0.01	60.05 4.09 0.01	65.44 4.22 0.01	73.91 4.77 0.00	66.18 4.39 0.01	57.68 3.57 0.01	49.10 2.82 0.01	47.09 2.54 -0.01
PATROON__115KV_TB1 80586	46.22 0.00 0.00	42.07 0.08 0.00	41.19 0.08 0.00	39.96 0.08 0.00	41.45 0.12 0.00	46.21 0.05 0.00	58.08 0.23 0.00	65.87 0.33 0.00	60.62 0.36 0.00	59.12 0.53 0.00	56.92 0.56 0.00	53.41 0.58 0.00	50.66 0.40 0.00	49.22 0.44 0.00	49.88 0.44 0.00	50.82 0.50 0.00	51.82 0.66 0.00	56.87 0.90 0.00	62.14 0.92 0.00	69.97 0.83 0.00	62.67 0.87 0.00	54.71 0.60 0.00	46.79 0.51 0.00	45.08 0.53 0.00
PATTRSNVILLE___SOLAR 323815	47.60 1.39 0.00	43.21 1.22 0.00	42.34 1.23 0.00	41.04 1.16 0.00	42.61 1.28 0.00	47.65 1.48 0.00	59.93 2.08 0.00	67.83 2.29 0.00	62.24 1.99 0.00	60.30 1.70 0.00	57.82 1.46 0.00	54.15 1.32 0.00	51.51 1.26 0.00	50.00 1.22 0.00	50.62 1.18 0.00	51.63 1.31 0.00	52.74 1.59 0.00	57.98 2.01 0.00	63.67 2.45 0.00	71.91 2.77 0.00	64.34 2.53 0.00	56.06 1.95 0.00	47.90 1.62 0.00	46.11 1.56 0.00
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	47.60 1.39 0.00	42.99 1.01 0.00	42.26 1.15 0.00	41.16 1.28 0.00	42.53 1.20 0.00	46.81 0.65 0.00	57.97 0.12 0.00	63.90 -1.64 0.00	59.41 -0.84 0.00	56.96 -1.64 0.00	54.55 -1.80 0.00	50.98 -1.85 0.00	48.90 -1.36 0.00	46.78 -2.00 0.00	47.70 -1.73 0.00	48.56 -1.76 0.00	48.44 -2.71 0.00	51.88 -4.09 0.00	57.06 -4.16 0.00	64.78 -4.36 0.00	57.85 -3.96 0.00	50.60 -3.52 0.00	43.92 -2.36 0.00	43.34 -1.20 0.00
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	47.69 1.48 0.00	43.41 1.43 0.00	42.39 1.27 0.00	41.08 1.20 0.00	42.57 1.24 0.00	47.83 1.66 0.00	60.34 2.49 0.00	68.62 3.08 0.00	63.27 3.01 0.00	61.76 3.16 0.00	59.51 3.16 0.00	55.84 3.01 0.00	53.12 2.86 0.00	51.76 2.98 0.00	52.50 3.06 0.00	53.39 3.07 0.00	54.53 3.38 0.00	59.72 3.75 0.00	65.14 3.92 0.00	73.63 4.49 0.00	65.88 4.08 0.00	57.42 3.30 0.00	48.92 2.64 0.00	46.91 2.36 0.00
PEEKSKILL____ 23653	47.37 1.16 0.00	43.04 1.05 0.00	41.98 0.86 0.00	40.68 0.80 0.00	42.11 0.78 0.00	47.32 1.15 0.00	59.59 1.73 0.00	67.90 2.36 0.00	62.49 2.23 0.00	61.11 2.52 0.00	58.83 2.48 0.00	55.42 2.59 0.00	52.57 2.31 0.00	51.17 2.39 0.00	51.90 2.47 0.00	52.79 2.47 0.00	53.86 2.71 0.00	58.93 2.96 0.00	64.40 3.18 0.00	72.80 3.66 0.00	65.14 3.34 0.00	56.82 2.70 0.00	48.41 2.13 0.00	46.42 1.87 0.00



PGE MADISON___WINDPWR 24146	50.19 3.98 0.00	45.81 3.82 0.00	44.85 3.74 0.00	43.63 3.75 0.00	45.42 4.09 0.00	50.88 4.71 0.00	64.27 6.42 0.00	72.94 7.40 0.00	66.41 6.15 0.00	63.46 4.86 0.00	60.52 4.17 0.00	56.37 3.54 0.00	53.72 3.46 0.00	51.95 3.17 0.00	52.60 3.17 0.00	53.69 3.37 0.00	54.53 3.38 0.00	59.94 3.97 0.00	66.24 5.02 0.00	75.57 6.43 0.00	67.18 5.37 0.00	58.50 4.38 0.00	49.80 3.52 0.00	48.02 3.48 0.00
PIERCEFIELD___HYD 23852	45.43 -0.79 0.00	41.32 -0.67 0.00	40.37 -0.74 0.00	39.32 -0.56 0.00	40.79 -0.54 0.00	45.71 -0.46 0.00	57.10 -0.75 0.00	64.69 -0.85 0.00	59.17 -1.08 0.00	57.54 -1.05 0.00	55.17 -1.18 0.00	51.72 -1.11 0.00	49.30 -0.95 0.00	47.95 -0.83 0.00	48.49 -0.94 0.00	49.37 -0.96 0.00	50.08 -1.07 0.00	54.85 -1.12 0.00	59.81 -1.41 0.00	67.68 -1.45 0.00	60.44 -1.36 0.00	53.14 -0.97 0.00	45.36 -0.93 0.00	43.66 -0.89 0.00
PINELAWN_CC_1 323563	48.11 1.90 0.00	43.42 1.43 0.00	42.18 1.07 0.00	40.68 0.80 0.00	42.20 0.87 0.00	47.83 1.66 0.00	58.90 1.04 0.00	67.31 1.77 0.00	62.24 1.99 0.00	60.41 1.82 0.00	58.55 2.20 0.00	55.53 2.69 -0.01	54.14 2.41 -1.47	54.33 2.53 -3.02	56.09 2.62 -4.04	57.11 2.62 -4.17	59.06 2.86 -5.05	62.58 3.19 -3.42	65.18 3.49 -0.47	72.81 3.66 -0.01	65.46 3.65 -0.01	60.20 3.08 -3.00	54.80 3.10 -5.42	47.50 2.94 -0.01
PJM_GEN_HTP_PROXY 323702	47.88 1.66 0.00	43.46 1.47 0.00	42.30 1.19 0.00	41.04 1.16 0.00	42.40 1.07 0.00	47.74 1.57 0.00	60.17 2.32 0.00	68.75 3.21 0.00	63.27 3.01 0.00	61.93 3.34 0.00	59.68 3.32 0.00	56.26 3.43 0.00	53.37 3.12 0.00	51.95 3.17 0.00	52.69 3.26 0.00	53.59 3.27 0.00	54.63 3.48 0.00	59.78 3.81 0.00	65.26 4.04 0.00	73.77 4.63 0.00	66.01 4.20 0.00	57.53 3.41 0.00	48.97 2.68 0.00	46.91 2.36 0.00
PJM_GEN_KEystone 24065	46.91 0.69 0.00	42.49 0.51 0.00	41.64 0.53 0.00	40.36 0.48 0.00	41.83 0.50 0.00	46.58 0.41 0.00	58.31 0.46 0.00	65.87 0.33 0.00	60.62 0.36 0.00	58.77 0.18 0.00	56.41 0.06 0.00	52.93 0.11 0.00	50.51 0.25 0.00	48.83 0.05 0.00	49.58 0.15 0.00	50.47 0.15 0.00	51.05 -0.10 0.00	55.58 -0.39 0.00	60.79 -0.43 0.00	68.86 -0.28 0.00	61.56 -0.25 0.00	53.85 -0.27 0.00	46.10 -0.18 0.00	44.68 0.13 0.00
PJM_GEN_NEPTUNE_PROXY 323594	47.69 1.48 0.00	43.08 1.09 0.00	41.89 0.78 0.00	40.44 0.56 0.00	41.91 0.58 0.00	47.42 1.25 0.00	59.01 1.16 0.00	67.44 1.90 0.00	62.42 2.17 0.00	60.70 2.11 0.00	58.83 2.48 0.00	55.58 2.75 -0.01	53.98 2.51 -1.21	53.85 2.58 -2.49	55.38 2.62 -3.34	56.38 2.62 -3.44	58.18 2.86 -4.17	61.92 3.13 -2.82	64.97 3.36 -0.39	72.95 3.80 -0.01	65.33 3.52 -0.01	59.51 2.92 -2.48	53.30 2.54 -4.47	46.91 2.36 -0.01
PJM_GEN_VFT_PROXY 323633	47.74 1.52 0.00	43.29 1.30 0.00	42.18 1.07 0.00	40.88 1.00 0.00	42.28 0.95 0.00	47.55 1.38 0.00	59.93 2.08 0.00	68.56 3.02 0.00	63.03 2.77 0.00	61.82 3.22 0.00	59.51 3.15 0.00	56.16 3.33 0.00	53.27 3.02 0.00	51.85 3.08 0.00	52.60 3.17 0.00	53.44 3.12 0.00	54.53 3.38 0.00	59.61 3.64 0.00	65.08 3.86 0.00	73.57 4.43 0.00	65.88 4.08 0.00	57.42 3.30 0.00	48.83 2.54 0.00	46.77 2.23 0.00
PLATSBURG_115KV_PMLD1 355749	47.46 1.25 0.00	43.16 1.18 0.00	42.22 1.11 0.00	41.08 1.20 0.00	42.57 1.24 0.00	47.65 1.48 0.00	58.78 0.93 0.00	66.00 0.46 0.00	60.50 0.24 0.00	59.01 0.41 0.00	56.58 0.23 0.00	53.57 0.74 0.00	51.11 0.85 0.00	49.66 0.88 0.00	50.17 0.74 0.00	51.08 0.75 0.00	51.87 0.72 0.00	56.14 0.17 0.00	60.91 -0.31 0.00	68.65 -0.48 0.00	61.74 -0.06 0.00	55.03 0.92 0.00	46.93 0.65 0.00	45.08 0.53 0.00
PLEASANTVLY___LBMP 24000	47.28 1.06 0.00	42.91 0.92 0.00	41.89 0.78 0.00	40.60 0.72 0.00	42.03 0.70 0.00	47.23 1.06 0.00	59.36 1.50 0.00	67.57 2.03 0.00	62.19 1.93 0.00	60.76 2.17 0.00	58.61 2.25 0.00	55.10 2.27 0.00	52.27 2.01 0.00	50.88 2.10 0.00	51.56 2.13 0.00	52.49 2.16 0.00	53.50 2.35 0.00	58.71 2.74 0.00	63.98 2.75 0.00	72.25 3.11 0.00	64.64 2.84 0.00	56.44 2.33 0.00	48.18 1.90 0.00	46.24 1.69 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	47.65 1.43 0.00	43.29 1.30 0.00	42.22 1.11 0.00	40.88 1.00 0.00	42.32 0.99 0.00	47.60 1.43 0.00	59.88 2.02 0.00	68.29 2.75 0.00	62.85 2.59 0.00	61.47 2.87 0.00	59.28 2.93 0.00	55.79 2.96 0.00	52.97 2.71 0.00	51.51 2.73 0.00	52.25 2.82 0.00	53.14 2.82 0.00	54.22 3.07 0.00	59.44 3.47 0.00	64.77 3.55 0.00	73.22 4.08 0.00	65.51 3.71 0.00	57.09 2.98 0.00	48.69 2.41 0.00	46.69 2.14 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	47.65 1.43 0.00	43.29 1.30 0.00	42.22 1.11 0.00	40.88 1.00 0.00	42.32 0.99 0.00	47.60 1.43 0.00	59.88 2.02 0.00	68.29 2.75 0.00	62.85 2.59 0.00	61.47 2.87 0.00	59.28 2.93 0.00	55.79 2.96 0.00	52.97 2.71 0.00	51.51 2.73 0.00	52.25 2.82 0.00	53.14 2.82 0.00	54.22 3.07 0.00	59.44 3.47 0.00	64.77 3.55 0.00	73.22 4.08 0.00	65.51 3.71 0.00	57.09 2.98 0.00	48.69 2.41 0.00	46.69 2.14 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	47.51 1.29 0.00	43.16 1.18 0.00	42.14 1.03 0.00	40.80 0.92 0.00	42.28 0.95 0.00	47.46 1.29 0.00	59.82 1.97 0.00	68.03 2.49 0.00	62.67 2.41 0.00	61.23 2.64 0.00	58.95 2.59 0.00	55.36 2.54 0.00	52.57 2.31 0.00	51.12 2.34 0.00	51.85 2.42 0.00	52.79 2.47 0.00	53.86 2.71 0.00	59.16 3.19 0.00	64.53 3.31 0.00	72.87 3.73 0.00	65.14 3.34 0.00	56.87 2.76 0.00	48.51 2.22 0.00	46.55 2.00 0.00
POLETTI___ 23519	47.83 1.62 0.00	43.41 1.43 0.00	42.30 1.19 0.00	40.96 1.08 0.00	42.40 1.07 0.00	47.74 1.57 0.00	60.17 2.31 0.00	68.75 3.21 0.00	63.27 3.01 0.00	61.94 3.34 0.00	59.74 3.38 0.00	56.26 3.43 0.00	53.37 3.12 0.00	52.00 3.22 0.00	52.69 3.26 0.00	53.59 3.27 0.00	54.63 3.48 0.00	59.94 3.97 0.00	65.26 4.04 0.00	73.77 4.63 0.00	66.00 4.20 0.00	57.52 3.41 0.00	48.97 2.68 0.00	46.91 2.36 0.00
POMONA___ESR 323819	47.37 1.16 0.00	43.04 1.05 0.00	42.01 0.90 0.00	40.68 0.80 0.00	42.11 0.78 0.00	47.32 1.15 0.00	59.59 1.73 0.00	67.90 2.36 0.00	62.55 2.29 0.00	61.11 2.52 0.00	58.83 2.48 0.00	55.42 2.59 0.00	52.62 2.36 0.00	51.17 2.39 0.00	51.90 2.47 0.00	52.79 2.47 0.00	53.86 2.71 0.00	58.93 2.96 0.00	64.40 3.18 0.00	72.80 3.66 0.00	65.14 3.34 0.00	56.82 2.70 0.00	48.41 2.13 0.00	46.42 1.87 0.00
PORT_JEFF_3 23555	47.83 1.62 0.00	43.12 1.13 0.00	41.89 0.78 0.00	40.36 0.48 0.00	41.86 0.54 0.00	47.51 1.34 0.00	58.84 0.98 0.00	67.24 1.70 0.00	62.31 2.05 0.00	60.23 1.64 0.00	58.49 2.14 0.00	55.58 2.75 -0.01	54.02 2.46 -1.30	54.04 2.58 -2.68	55.78 2.77 -3.58	56.84 2.82 -3.70	58.70 3.07 -4.48	62.47 3.47 -3.03	65.43 3.80 -0.42	73.29 4.15 -0.01	65.58 3.77 -0.01	60.02 3.25 -2.66	54.00 2.92 -4.80	47.36 2.81 -0.01



PORT_JEFF_4 23616	47.83 1.62 0.00	43.12 1.13 0.00	41.89 0.78 0.00	40.36 0.48 0.00	41.86 0.54 0.00	47.51 1.34 0.00	58.84 0.98 0.00	67.24 1.70 0.00	62.31 2.05 0.00	60.23 1.64 0.00	58.49 2.14 0.00	55.58 2.75 -0.01	54.02 2.46 -1.30	54.04 2.58 -2.68	55.78 2.77 -3.58	56.84 2.82 -3.70	58.70 3.07 -4.48	62.47 3.47 -3.03	65.43 3.80 -0.42	73.29 4.15 -0.01	65.58 3.77 -0.01	60.02 3.25 -2.66	54.00 2.92 -4.80	47.36 2.81 -0.01
PORT_JEFF_IC 23713	47.83 1.62 0.00	43.12 1.13 0.00	41.89 0.78 0.00	40.32 0.44 0.00	41.87 0.54 0.00	47.51 1.34 0.00	58.84 0.98 0.00	67.31 1.77 0.00	62.31 2.05 0.00	60.30 1.70 0.00	58.72 2.37 0.00	55.53 2.69 -0.01	54.08 2.51 -1.31	54.10 2.63 -2.69	55.85 2.82 -3.60	56.96 2.92 -3.72	58.77 3.12 -4.50	62.77 3.75 -3.05	65.37 3.73 -0.42	73.36 4.22 -0.01	65.64 3.83 -0.01	60.09 3.30 -2.67	53.98 2.87 -4.82	47.41 2.85 -0.01
PPL PILGRIM_ST_GT1 24216	48.11 1.90 0.00	43.42 1.43 0.00	42.18 1.07 0.00	40.64 0.76 0.00	42.16 0.83 0.00	47.83 1.66 0.00	59.18 1.33 0.00	67.70 2.16 0.00	62.67 2.41 0.00	60.77 2.17 0.00	58.95 2.59 0.00	56.01 3.17 -0.01	54.45 2.86 -1.33	54.44 2.93 -2.74	56.11 3.02 -3.67	57.17 3.07 -3.78	59.01 3.28 -4.58	62.76 3.69 -3.10	65.69 4.04 -0.43	73.57 4.43 -0.01	65.89 4.08 -0.01	60.30 3.47 -2.72	54.38 3.19 -4.91	47.59 3.03 -0.01
PPL PILGRIM_ST_GT2 24217	48.11 1.90 0.00	43.42 1.43 0.00	42.18 1.07 0.00	40.64 0.76 0.00	42.16 0.83 0.00	47.83 1.66 0.00	59.18 1.33 0.00	67.70 2.16 0.00	62.67 2.41 0.00	60.77 2.17 0.00	58.95 2.59 0.00	56.01 3.17 -0.01	54.45 2.86 -1.33	54.44 2.93 -2.74	56.11 3.02 -3.67	57.17 3.07 -3.78	59.01 3.28 -4.58	62.76 3.69 -3.10	65.69 4.04 -0.43	73.57 4.43 -0.01	65.89 4.08 -0.01	60.30 3.47 -2.72	54.38 3.19 -4.91	47.59 3.03 -0.01
PPL_SHRM_GT3 24213	47.05 0.83 0.00	42.41 0.42 0.00	41.15 0.04 0.00	39.61 -0.28 0.00	41.08 -0.25 0.00	46.68 0.51 0.00	57.85 0.00 0.00	66.13 0.59 0.00	61.22 0.96 0.00	58.89 0.29 0.00	57.20 0.85 0.00	54.37 1.53 -0.01	52.86 1.30 -1.30	52.92 1.46 -2.68	54.90 1.88 -3.59	56.04 2.01 -3.71	57.88 2.25 -4.48	61.64 2.63 -3.04	64.52 2.88 -0.42	72.26 3.11 -0.01	64.72 2.91 -0.01	59.27 2.49 -2.67	53.36 2.27 -4.81	46.74 2.18 -0.01
PPL_SHRM_GT4 24214	47.05 0.83 0.00	42.41 0.42 0.00	41.15 0.04 0.00	39.61 -0.28 0.00	41.08 -0.25 0.00	46.68 0.51 0.00	57.85 0.00 0.00	66.13 0.59 0.00	61.22 0.96 0.00	58.89 0.29 0.00	57.20 0.85 0.00	54.37 1.53 -0.01	52.86 1.30 -1.30	52.92 1.46 -2.68	54.90 1.88 -3.59	56.04 2.01 -3.71	57.88 2.25 -4.48	61.64 2.63 -3.04	64.52 2.88 -0.42	72.26 3.11 -0.01	64.72 2.91 -0.01	59.27 2.49 -2.67	53.36 2.27 -4.81	46.74 2.18 -0.01
PROJECT___ORANGE 1 24174	46.26 0.05 0.00	42.03 0.04 0.00	41.15 0.04 0.00	39.88 0.00 0.00	41.33 0.00 0.00	46.12 -0.05 0.00	57.97 0.12 0.00	65.61 0.07 0.00	60.38 0.12 0.00	58.48 -0.12 0.00	56.24 -0.11 0.00	52.62 -0.21 0.00	50.16 -0.10 0.00	48.58 -0.20 0.00	49.23 -0.20 0.00	50.12 -0.20 0.00	50.84 -0.31 0.00	55.52 -0.45 0.00	60.98 -0.24 0.00	68.93 -0.21 0.00	61.49 -0.31 0.00	53.79 -0.32 0.00	46.05 -0.23 0.00	44.41 -0.13 0.00
PROJECT___ORANGE 2 24166	46.26 0.05 0.00	42.03 0.04 0.00	41.15 0.04 0.00	39.88 0.00 0.00	41.33 0.00 0.00	46.12 -0.05 0.00	57.97 0.12 0.00	65.61 0.07 0.00	60.38 0.12 0.00	58.48 -0.12 0.00	56.24 -0.11 0.00	52.62 -0.21 0.00	50.16 -0.10 0.00	48.58 -0.20 0.00	49.23 -0.20 0.00	50.12 -0.20 0.00	50.84 -0.31 0.00	55.52 -0.45 0.00	60.98 -0.24 0.00	68.93 -0.21 0.00	61.49 -0.31 0.00	53.79 -0.32 0.00	46.05 -0.23 0.00	44.41 -0.13 0.00
PUCKETT___SOLAR 323809	47.74 1.52 0.00	43.37 1.38 0.00	42.51 1.40 0.00	41.24 1.36 0.00	42.81 1.49 0.00	47.74 1.57 0.00	59.99 2.14 0.00	67.83 2.29 0.00	62.13 1.87 0.00	59.83 1.23 0.00	57.31 0.96 0.00	53.51 0.68 0.00	51.01 0.75 0.00	49.32 0.54 0.00	49.98 0.54 0.00	50.97 0.65 0.00	51.71 0.56 0.00	56.59 0.62 0.00	62.26 1.04 0.00	70.66 1.52 0.00	62.97 1.17 0.00	55.09 0.98 0.00	47.12 0.83 0.00	45.53 0.98 0.00
PYRITES___HYD 24023	46.49 0.28 0.00	42.32 0.34 0.00	41.36 0.25 0.00	40.28 0.40 0.00	41.82 0.50 0.00	46.91 0.74 0.00	58.66 0.81 0.00	66.39 0.85 0.00	60.56 0.30 0.00	58.77 0.18 0.00	56.24 -0.11 0.00	52.62 -0.21 0.00	50.21 -0.05 0.00	48.83 0.05 0.00	49.38 -0.05 0.00	50.32 0.00 0.00	51.00 -0.15 0.00	55.97 0.00 0.00	61.22 0.00 0.00	69.41 0.28 0.00	61.99 0.19 0.00	54.44 0.32 0.00	46.47 0.19 0.00	44.77 0.22 0.00
QUAKERRD_115KV_BK1 80622	45.71 -0.51 0.00	41.44 -0.55 0.00	40.70 -0.41 0.00	39.48 -0.40 0.00	40.87 -0.45 0.00	45.52 -0.65 0.00	56.81 -1.04 0.00	64.03 -1.51 0.00	59.05 -1.21 0.00	57.01 -1.58 0.00	54.66 -1.69 0.00	50.98 -1.85 0.00	48.80 -1.46 0.00	47.17 -1.61 0.00	47.95 -1.48 0.00	48.81 -1.51 0.00	49.11 -2.05 0.00	53.40 -2.57 0.00	58.59 -2.63 0.00	66.37 -2.77 0.00	59.39 -2.41 0.00	51.84 -2.27 0.00	44.62 -1.67 0.00	43.25 -1.29 0.00
QUEENSBRY_115KV_TB8 356137	48.25 2.03 0.00	43.75 1.76 0.00	42.92 1.81 0.00	41.56 1.68 0.00	43.27 1.94 0.00	48.38 2.22 0.00	61.03 3.18 0.00	69.28 3.74 0.00	63.69 3.43 0.00	61.82 3.22 0.00	59.28 2.93 0.00	55.47 2.64 0.00	52.62 2.36 0.00	51.02 2.24 0.00	51.61 2.17 0.00	52.69 2.37 0.00	53.86 2.71 0.00	59.27 3.30 0.00	65.08 3.86 0.00	73.35 4.22 0.00	65.70 3.89 0.00	56.87 2.76 0.00	48.60 2.31 0.00	46.73 2.18 0.00
RAMAPO___LBMP 323565	47.23 1.02 0.00	42.91 0.92 0.00	41.85 0.74 0.00	40.56 0.68 0.00	41.99 0.66 0.00	47.14 0.97 0.00	59.36 1.50 0.00	67.64 2.10 0.00	62.31 2.05 0.00	60.88 2.29 0.00	58.66 2.31 0.00	55.15 2.32 0.00	52.37 2.11 0.00	50.93 2.15 0.00	51.66 2.22 0.00	52.54 2.21 0.00	53.61 2.46 0.00	58.82 2.85 0.00	64.10 2.88 0.00	72.39 3.25 0.00	64.77 2.97 0.00	56.55 2.44 0.00	48.23 1.94 0.00	46.24 1.69 0.00
RANKINE____ 23646	47.79 1.57 0.00	43.12 1.13 0.00	42.43 1.32 0.00	41.32 1.44 0.00	42.69 1.36 0.00	47.00 0.83 0.00	57.97 0.12 0.00	63.84 -1.70 0.00	59.47 -0.78 0.00	57.07 -1.52 0.00	54.72 -1.63 0.00	51.19 -1.64 0.00	49.10 -1.16 0.00	46.93 -1.85 0.00	47.90 -1.53 0.00	48.76 -1.56 0.00	48.54 -2.61 0.00	51.88 -4.09 0.00	57.00 -4.22 0.00	64.71 -4.42 0.00	57.85 -3.96 0.00	50.65 -3.46 0.00	44.06 -2.22 0.00	43.39 -1.16 0.00
RAVENSWOOD_GT2_1 24244	47.93 1.71 0.00	43.46 1.47 0.00	42.39 1.27 0.00	41.00 1.12 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.17 2.31 0.00	68.75 3.21 0.00	63.27 3.01 0.00	61.99 3.40 0.00	59.79 3.44 0.00	56.26 3.43 0.00	53.42 3.17 0.00	52.00 3.22 0.00	52.74 3.31 0.00	53.59 3.27 0.00	54.68 3.53 0.00	59.94 3.97 0.00	65.32 4.10 0.00	73.77 4.63 0.00	66.00 4.20 0.00	57.52 3.41 0.00	49.02 2.73 0.00	46.95 2.41 0.00



RAVENSWOOD_GT2_2 24245	47.93 1.71 0.00	43.46 1.47 0.00	42.39 1.27 0.00	41.00 1.12 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.17 2.31 0.00	68.75 3.21 0.00	63.27 3.01 0.00	61.99 3.40 0.00	59.79 3.44 0.00	56.26 3.43 0.00	53.42 3.17 0.00	52.00 3.22 0.00	52.74 3.31 0.00	53.59 3.27 0.00	54.68 3.53 0.00	59.94 3.97 0.00	65.32 4.10 0.00	73.77 4.63 0.00	66.00 4.20 0.00	57.52 3.41 0.00	49.02 2.73 0.00	46.95 2.41 0.00
RAVENSWOOD_GT2_3 24246	47.93 1.71 0.00	43.50 1.51 0.00	42.39 1.27 0.00	41.00 1.12 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.22 2.37 0.00	68.82 3.28 0.00	63.33 3.07 0.00	61.99 3.40 0.00	59.79 3.44 0.00	56.26 3.43 0.00	53.42 3.17 0.00	52.00 3.22 0.00	52.74 3.31 0.00	53.64 3.32 0.00	54.68 3.53 0.00	60.00 4.03 0.00	65.32 4.10 0.00	73.84 4.70 0.00	66.07 4.26 0.00	57.58 3.46 0.00	49.02 2.73 0.00	47.00 2.45 0.00
RAVENSWOOD_GT2_4 24247	47.93 1.71 0.00	43.50 1.51 0.00	42.39 1.27 0.00	41.00 1.12 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.22 2.37 0.00	68.82 3.28 0.00	63.33 3.07 0.00	61.99 3.40 0.00	59.79 3.44 0.00	56.26 3.43 0.00	53.42 3.17 0.00	52.00 3.22 0.00	52.74 3.31 0.00	53.64 3.32 0.00	54.68 3.53 0.00	60.00 4.03 0.00	65.32 4.10 0.00	73.84 4.70 0.00	66.07 4.26 0.00	57.58 3.46 0.00	49.02 2.73 0.00	47.00 2.45 0.00
RAVENSWOOD_GT3_1 24248	47.93 1.71 0.00	43.50 1.51 0.00	42.39 1.27 0.00	41.00 1.12 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.17 2.31 0.00	68.82 3.28 0.00	63.27 3.01 0.00	61.99 3.40 0.00	59.79 3.44 0.00	56.26 3.43 0.00	53.42 3.17 0.00	52.00 3.22 0.00	52.74 3.31 0.00	53.59 3.27 0.00	54.68 3.53 0.00	59.94 3.97 0.00	65.32 4.10 0.00	73.77 4.63 0.00	66.00 4.20 0.00	57.52 3.41 0.00	49.02 2.73 0.00	47.00 2.45 0.00
RAVENSWOOD_GT3_2 24249	47.93 1.71 0.00	43.50 1.51 0.00	42.39 1.27 0.00	41.00 1.12 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.17 2.31 0.00	68.82 3.28 0.00	63.27 3.01 0.00	61.99 3.40 0.00	59.79 3.44 0.00	56.26 3.43 0.00	53.42 3.17 0.00	52.00 3.22 0.00	52.74 3.31 0.00	53.59 3.27 0.00	54.68 3.53 0.00	59.94 3.97 0.00	65.32 4.10 0.00	73.77 4.63 0.00	66.00 4.20 0.00	57.52 3.41 0.00	49.02 2.73 0.00	47.00 2.45 0.00
RAVENSWOOD_GT3_3 24250	47.97 1.76 0.00	43.54 1.55 0.00	42.43 1.32 0.00	41.04 1.16 0.00	42.49 1.16 0.00	47.83 1.66 0.00	60.28 2.43 0.00	68.88 3.34 0.00	63.39 3.13 0.00	62.05 3.46 0.00	59.85 3.49 0.00	56.31 3.49 0.00	53.47 3.22 0.00	52.05 3.27 0.00	52.79 3.36 0.00	53.69 3.37 0.00	54.73 3.58 0.00	60.06 4.09 0.00	65.38 4.16 0.00	73.91 4.77 0.00	66.13 4.33 0.00	57.63 3.52 0.00	49.06 2.78 0.00	47.04 2.49 0.00
RAVENSWOOD_GT3_4 24251	47.97 1.76 0.00	43.54 1.55 0.00	42.43 1.32 0.00	41.04 1.16 0.00	42.49 1.16 0.00	47.83 1.66 0.00	60.28 2.43 0.00	68.88 3.34 0.00	63.39 3.13 0.00	62.05 3.46 0.00	59.85 3.49 0.00	56.31 3.49 0.00	53.47 3.22 0.00	52.05 3.27 0.00	52.79 3.36 0.00	53.69 3.37 0.00	54.73 3.58 0.00	60.06 4.09 0.00	65.38 4.16 0.00	73.91 4.77 0.00	66.13 4.33 0.00	57.63 3.52 0.00	49.06 2.78 0.00	47.04 2.49 0.00
RAVENSWOOD_GT_1 23729	49.36 1.99 -1.16	45.45 1.76 -1.70	44.50 1.52 -1.87	41.16 1.28 0.00	42.66 1.32 -0.01	49.24 1.89 -1.18	60.46 2.60 0.00	69.08 3.54 0.00	63.57 3.31 0.00	66.11 3.75 -3.77	61.12 3.78 -0.99	65.89 3.75 -9.32	62.40 3.47 -8.68	67.90 3.51 -15.60	67.79 3.61 -14.75	66.65 3.57 -12.76	67.44 3.84 -12.45	71.26 4.31 -10.98	75.06 4.47 -9.37	77.71 5.05 -3.53	75.58 4.57 -9.20	64.61 3.73 -6.76	51.41 3.01 -2.12	49.31 2.72 -2.04
RAVENSWOOD_GT_10 24258	47.88 1.66 0.00	43.46 1.47 0.00	42.34 1.23 0.00	41.00 1.12 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.17 2.31 0.00	68.75 3.21 0.00	63.27 3.01 0.00	61.75 3.34 0.19	59.74 3.44 0.05	55.79 3.43 0.47	52.77 3.17 0.65	51.09 3.22 0.91	51.86 3.26 0.83	52.95 3.27 0.64	54.06 3.53 0.62	59.39 3.97 0.55	64.79 4.04 0.47	73.77 4.63 0.00	65.54 4.20 0.46	57.19 3.41 0.34	48.97 2.73 0.04	46.91 2.41 0.04
RAVENSWOOD_GT_11 24259	47.88 1.66 0.00	43.46 1.47 0.00	42.34 1.23 0.00	41.00 1.12 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.17 2.31 0.00	68.75 3.21 0.00	63.27 3.01 0.00	61.75 3.34 0.19	59.74 3.44 0.05	55.79 3.43 0.47	52.77 3.17 0.65	51.09 3.22 0.91	51.86 3.26 0.83	52.95 3.27 0.64	54.06 3.53 0.62	59.39 3.97 0.55	64.79 4.04 0.47	73.77 4.63 0.00	65.54 4.20 0.46	57.19 3.41 0.34	48.97 2.73 0.04	46.91 2.41 0.04
RAVENSWOOD_GT_4 24252	48.70 1.62 -0.87	44.70 1.43 -1.29	43.71 1.19 -1.41	41.00 1.12 0.00	42.41 1.07 -0.01	48.63 1.57 -0.89	60.17 2.31 0.00	68.75 3.21 0.00	63.27 3.01 0.00	61.94 3.34 -0.01	59.74 3.38 -0.01	56.21 3.38 -0.01	50.14 3.12 3.23	50.10 3.17 1.85	51.34 3.26 1.35	53.55 3.22 -0.01	54.64 3.48 -0.01	59.95 3.97 -0.01	65.27 4.04 -0.01	76.39 4.56 -2.69	65.95 4.14 -0.01	57.48 3.36 -0.01	49.92 2.68 -0.95	47.83 2.36 -0.92
RAVENSWOOD_GT_5 24254	48.70 1.62 -0.87	44.70 1.43 -1.29	43.71 1.19 -1.41	41.00 1.12 0.00	42.41 1.07 -0.01	48.63 1.57 -0.89	60.17 2.31 0.00	68.75 3.21 0.00	63.27 3.01 0.00	61.94 3.34 -0.01	59.74 3.38 -0.01	56.21 3.38 -0.01	50.14 3.12 3.23	50.10 3.17 1.85	51.34 3.26 1.35	53.55 3.22 -0.01	54.64 3.48 -0.01	59.95 3.97 -0.01	65.27 4.04 -0.01	76.39 4.56 -2.69	65.95 4.14 -0.01	57.48 3.36 -0.01	49.92 2.68 -0.95	47.83 2.36 -0.92
RAVENSWOOD_GT_6 24253	48.70 1.62 -0.87	44.70 1.43 -1.29	43.71 1.19 -1.41	41.00 1.12 0.00	42.41 1.07 -0.01	48.63 1.57 -0.89	60.17 2.31 0.00	68.75 3.21 0.00	63.27 3.01 0.00	61.94 3.34 -0.01	59.74 3.38 -0.01	56.21 3.38 -0.01	50.14 3.12 3.23	50.10 3.17 1.85	51.34 3.26 1.35	53.55 3.22 -0.01	54.64 3.48 -0.01	59.95 3.97 -0.01	65.27 4.04 -0.01	76.39 4.56 -2.69	65.95 4.14 -0.01	57.48 3.36 -0.01	49.92 2.68 -0.95	47.83 2.36 -0.92
RAVENSWOOD_GT_7 24255	48.70 1.62 -0.87	44.70 1.43 -1.29	43.71 1.19 -1.41	41.00 1.12 0.00	42.41 1.07 -0.01	48.63 1.57 -0.89	60.17 2.31 0.00	68.75 3.21 0.00	63.27 3.01 0.00	61.94 3.34 -0.01	59.74 3.38 -0.01	56.21 3.38 -0.01	50.14 3.12 3.23	50.10 3.17 1.85	51.34 3.26 1.35	53.55 3.22 -0.01	54.64 3.48 -0.01	59.95 3.97 -0.01	65.27 4.04 -0.01	76.39 4.56 -2.69	65.95 4.14 -0.01	57.48 3.36 -0.01	49.92 2.68 -0.95	47.83 2.36 -0.92
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	47.88 1.66 0.00	43.46 1.47 0.00	42.34 1.23 0.00	41.00 1.12 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.17 2.31 0.00	68.75 3.21 0.00	63.27 3.01 0.00	61.75 3.34 0.19	59.74 3.44 0.05	55.79 3.43 0.47	52.77 3.17 0.65	51.09 3.22 0.91	51.86 3.26 0.83	52.95 3.27 0.64	54.06 3.53 0.62	59.39 3.97 0.55	64.79 4.04 0.47	73.77 4.63 0.00	65.54 4.20 0.46	57.19 3.41 0.34	48.97 2.73 0.04	46.91 2.41 0.04



RAVENSWOOD_GT_9 24257	47.88 1.66 0.00	43.46 1.47 0.00	42.34 1.23 0.00	41.00 1.12 0.00	42.44 1.12 0.00	47.78 1.62 0.00	60.17 2.31 0.00	68.75 3.21 0.00	63.27 3.01 0.00	61.75 3.34 0.19	59.74 3.44 0.05	55.79 3.43 0.47	52.77 3.17 0.65	51.09 3.22 0.91	51.86 3.26 0.83	52.95 3.27 0.64	54.06 3.53 0.62	59.39 3.97 0.55	64.79 4.04 0.47	73.77 4.63 0.00	65.54 4.20 0.46	57.19 3.41 0.34	48.97 2.73 0.04	46.91 2.41 0.04
RAVENSWOOD___1 23533	48.16 1.94 -0.01	43.72 1.72 -0.01	42.60 1.48 -0.01	41.16 1.28 0.00	42.61 1.28 0.00	48.02 1.85 0.00	60.40 2.54 0.00	69.01 3.47 0.00	63.51 3.25 0.00	64.16 3.69 -1.87	60.50 3.66 -0.49	61.21 3.75 -4.63	60.10 3.42 -6.42	61.21 3.46 -8.97	61.21 3.56 -8.22	60.18 3.52 -6.34	61.12 3.79 -6.18	65.51 4.08 -5.45	70.29 4.41 -4.66	74.12 4.98 0.00	71.01 4.64 -4.57	61.20 3.73 -3.36	49.68 2.96 -0.43	47.63 2.67 -0.42
RAVENSWOOD___2 23534	48.16 1.94 -0.01	43.72 1.72 -0.01	42.60 1.48 -0.01	41.16 1.28 0.00	42.57 1.24 0.00	48.02 1.85 0.00	60.40 2.54 0.00	69.01 3.47 0.00	63.51 3.25 0.00	64.15 3.69 -1.86	60.45 3.61 -0.49	61.13 3.70 -4.61	60.07 3.42 -6.40	61.13 3.41 -8.93	61.13 3.51 -8.19	60.16 3.52 -6.32	61.10 3.79 -6.16	65.49 4.08 -5.43	70.27 4.41 -4.64	74.12 4.98 0.00	70.93 4.57 -4.56	61.19 3.73 -3.35	49.68 2.96 -0.43	47.63 2.67 -0.41
RAVENSWOOD___3 23535	47.93 1.71 0.00	43.50 1.51 0.00	42.39 1.28 0.00	41.04 1.16 0.00	42.45 1.12 0.00	47.78 1.62 0.00	60.17 2.32 0.00	68.82 3.28 0.00	63.27 3.01 0.00	61.99 3.40 0.00	59.68 3.32 0.00	56.31 3.49 0.00	53.42 3.17 0.00	52.00 3.22 0.00	52.74 3.31 0.00	53.59 3.27 0.00	54.68 3.53 0.00	59.78 3.81 0.00	65.32 4.10 0.00	73.77 4.63 0.00	66.06 4.26 0.00	57.58 3.47 0.00	49.01 2.73 0.00	47.00 2.45 0.00
RAVENSWOOD___4 23820	47.03 1.94 1.12	42.05 1.72 1.66	40.77 1.48 1.82	41.16 1.28 0.00	42.56 1.24 0.01	46.86 1.85 1.16	60.34 2.49 0.00	69.01 3.47 0.00	63.51 3.25 0.00	62.22 3.63 0.01	59.96 3.61 0.01	56.52 3.70 0.01	57.80 3.37 -4.18	54.59 3.41 -2.39	54.69 3.51 -1.75	53.83 3.52 0.01	54.88 3.73 0.01	59.99 4.03 0.01	65.56 4.35 0.01	70.64 4.98 3.48	66.37 4.57 0.01	57.84 3.73 0.01	48.02 2.96 1.23	45.99 2.63 1.19
RCPL_TRUST___DRP 24196	48.06 1.85 0.00	43.62 1.64 0.00	42.51 1.40 0.00	41.28 1.40 0.00	42.69 1.36 0.00	47.97 1.80 0.00	60.69 2.83 0.00	69.41 3.87 0.00	63.87 3.62 0.00	62.35 3.75 0.00	60.24 3.89 0.00	56.79 3.96 0.00	53.87 3.62 0.00	52.49 3.71 0.00	53.19 3.76 0.00	54.10 3.77 0.00	55.14 3.99 0.00	60.50 4.53 0.00	65.75 4.53 0.00	74.18 5.05 0.00	66.38 4.57 0.00	57.79 3.68 0.00	49.20 2.92 0.00	47.13 2.58 0.00
RED___ROCHESTER 323720	47.09 0.88 0.00	42.66 0.67 0.00	41.85 0.74 0.00	40.60 0.72 0.00	42.07 0.74 0.00	46.81 0.65 0.00	58.31 0.46 0.00	65.61 0.07 0.00	60.56 0.30 0.00	58.42 -0.18 0.00	55.90 -0.45 0.00	52.09 -0.74 0.00	50.01 -0.25 0.00	48.39 -0.39 0.00	49.09 -0.34 0.00	50.07 -0.25 0.00	50.18 -0.97 0.00	54.63 -1.34 0.00	59.75 -1.47 0.00	67.75 -1.38 0.00	60.69 -1.11 0.00	53.14 -0.97 0.00	45.64 -0.65 0.00	44.28 -0.27 0.00
REGAN___SOLAR 323812	49.22 3.00 0.00	44.63 2.65 0.00	43.78 2.67 0.00	42.40 2.51 0.00	44.14 2.81 0.00	49.40 3.23 0.00	62.48 4.63 0.00	70.72 5.18 0.00	64.65 4.40 0.00	62.23 3.63 0.00	59.40 3.04 0.00	55.47 2.64 0.00	52.87 2.61 0.00	51.27 2.49 0.00	51.85 2.42 0.00	52.99 2.67 0.00	54.27 3.12 0.00	59.94 3.97 0.00	66.18 4.96 0.00	74.67 5.53 0.00	66.87 5.07 0.00	57.96 3.84 0.00	49.43 3.15 0.00	47.58 3.03 0.00
RENSSELAER___COGEN 23796	46.03 -0.18 0.00	41.86 -0.13 0.00	40.99 -0.12 0.00	39.84 -0.04 0.00	41.25 -0.08 0.00	46.03 -0.14 0.00	57.80 -0.06 0.00	65.48 -0.07 0.00	60.26 0.00 0.00	58.77 0.18 0.00	56.58 0.23 0.00	53.15 0.32 0.00	50.36 0.10 0.00	48.93 0.15 0.00	49.58 0.15 0.00	50.52 0.20 0.00	51.51 0.36 0.00	56.47 0.50 0.00	61.77 0.55 0.00	69.62 0.49 0.00	62.36 0.55 0.00	54.50 0.38 0.00	46.61 0.33 0.00	44.90 0.35 0.00
REPUBLIC_115KV_BARTNBRK 55605	49.45 3.24 0.00	44.72 2.73 0.00	43.95 2.84 0.00	42.48 2.59 0.00	44.39 3.06 0.00	49.68 3.51 0.00	63.06 5.21 0.00	71.57 6.03 0.00	65.74 5.48 0.00	63.69 5.10 0.00	60.81 4.45 0.00	56.79 3.96 0.00	53.87 3.62 0.00	52.15 3.37 0.00	52.69 3.26 0.00	54.10 3.77 0.00	55.35 4.19 0.00	61.06 5.09 0.00	67.22 6.00 0.00	75.77 6.64 0.00	68.04 6.24 0.00	58.39 4.28 0.00	49.80 3.52 0.00	47.89 3.34 0.00
REVERE_CPPR_DRP 24186	47.56 1.34 0.00	43.29 1.30 0.00	42.39 1.27 0.00	41.16 1.28 0.00	42.78 1.45 0.00	47.88 1.71 0.00	60.28 2.43 0.00	68.49 2.95 0.00	62.67 2.41 0.00	60.41 1.82 0.00	57.93 1.58 0.00	54.15 1.32 0.00	51.61 1.36 0.00	50.05 1.27 0.00	50.72 1.29 0.00	51.63 1.31 0.00	52.43 1.28 0.00	57.48 1.51 0.00	63.18 1.96 0.00	71.69 2.56 0.00	63.97 2.16 0.00	55.79 1.68 0.00	47.63 1.34 0.00	45.84 1.29 0.00
REYNOLDS_115KV_TB3 80639	46.35 0.14 0.00	42.15 0.17 0.00	41.28 0.16 0.00	40.08 0.20 0.00	41.54 0.21 0.00	46.35 0.18 0.00	58.14 0.29 0.00	65.93 0.39 0.00	60.68 0.42 0.00	59.24 0.64 0.00	57.03 0.68 0.00	53.51 0.69 0.00	50.71 0.45 0.00	49.27 0.49 0.00	49.93 0.49 0.00	50.87 0.55 0.00	51.87 0.72 0.00	56.92 0.95 0.00	62.20 0.98 0.00	70.10 0.97 0.00	62.73 0.93 0.00	54.87 0.76 0.00	46.98 0.69 0.00	45.17 0.62 0.00
RIVERBAY____ 323610	48.21 1.99 -0.01	43.80 1.81 -0.01	42.72 1.60 -0.01	41.24 1.36 0.00	42.73 1.41 0.00	48.11 1.94 0.00	60.46 2.60 0.00	69.08 3.54 0.00	63.51 3.25 0.00	62.22 3.63 0.01	59.95 3.61 0.01	56.41 3.59 0.01	53.51 3.27 0.01	52.09 3.32 0.01	52.78 3.36 0.01	53.69 3.37 0.01	54.78 3.63 0.01	60.05 4.09 0.01	65.44 4.22 0.01	73.91 4.77 0.00	66.18 4.39 0.01	57.68 3.57 0.01	49.10 2.82 0.01	47.09 2.54 -0.01
RIVERSDE_115KV_TB3 55908	46.22 0.00 0.00	42.03 0.04 0.00	41.15 0.04 0.00	39.96 0.08 0.00	41.41 0.08 0.00	46.21 0.05 0.00	58.03 0.17 0.00	65.80 0.26 0.00	60.56 0.30 0.00	59.06 0.47 0.00	56.86 0.51 0.00	53.36 0.53 0.00	50.61 0.35 0.00	49.17 0.39 0.00	49.83 0.40 0.00	50.72 0.40 0.00	51.77 0.61 0.00	56.81 0.84 0.00	62.02 0.80 0.00	69.90 0.76 0.00	62.61 0.80 0.00	54.71 0.60 0.00	46.79 0.51 0.00	45.04 0.49 0.00
ROARING___BROOK_WT_PWR 323790	46.12 -0.09 0.00	41.90 -0.08 0.00	41.03 -0.08 0.00	39.84 -0.04 0.00	41.29 -0.04 0.00	46.12 -0.05 0.00	57.74 -0.12 0.00	65.34 -0.20 0.00	60.08 -0.18 0.00	58.42 -0.18 0.00	56.24 -0.11 0.00	52.67 -0.16 0.00	50.16 -0.10 0.00	48.68 -0.10 0.00	49.28 -0.15 0.00	50.17 -0.15 0.00	50.95 -0.20 0.00	55.75 -0.22 0.00	60.79 -0.43 0.00	68.51 -0.62 0.00	61.12 -0.68 0.00	53.47 -0.65 0.00	45.64 -0.65 0.00	43.83 -0.71 0.00



ROCHESRG_115KV_T4 355643	46.68 0.46 0.00	42.24 0.25 0.00	41.52 0.41 0.00	40.28 0.40 0.00	41.70 0.37 0.00	46.40 0.23 0.00	57.74 -0.12 0.00	64.89 -0.66 0.00	59.90 -0.36 0.00	57.78 -0.82 0.00	55.40 -0.96 0.00	51.67 -1.16 0.00	49.50 -0.75 0.00	47.76 -1.02 0.00	48.59 -0.84 0.00	49.52 -0.81 0.00	49.67 -1.48 0.00	53.84 -2.13 0.00	59.08 -2.14 0.00	66.99 -2.14 0.00	59.95 -1.85 0.00	52.38 -1.73 0.00	45.17 -1.11 0.00	43.88 -0.67 0.00
ROCHESTER_9_IC 23652	46.86 0.65 0.00	42.45 0.46 0.00	41.69 0.58 0.00	40.48 0.60 0.00	41.91 0.58 0.00	46.63 0.46 0.00	58.08 0.23 0.00	65.28 -0.26 0.00	60.26 0.00 0.00	58.13 -0.47 0.00	55.68 -0.68 0.00	51.93 -0.90 0.00	49.75 -0.50 0.00	48.05 -0.73 0.00	48.84 -0.59 0.00	49.77 -0.55 0.00	49.92 -1.23 0.00	54.18 -1.79 0.00	59.44 -1.78 0.00	67.34 -1.80 0.00	60.32 -1.48 0.00	52.65 -1.46 0.00	45.40 -0.88 0.00	44.10 -0.45 0.00
ROCKVIEW_13_KV_LD 356306	47.88 1.66 0.00	43.46 1.47 0.00	42.39 1.27 0.00	41.04 1.16 0.00	42.49 1.16 0.00	47.83 1.66 0.00	60.22 2.37 0.00	68.75 3.21 0.00	63.27 3.01 0.00	61.88 3.28 0.00	59.68 3.32 0.00	56.16 3.33 0.00	53.32 3.07 0.00	51.90 3.12 0.00	52.64 3.21 0.00	53.54 3.22 0.00	54.58 3.43 0.00	59.89 3.92 0.00	65.26 4.04 0.00	73.70 4.56 0.00	66.00 4.20 0.00	57.52 3.41 0.00	49.02 2.73 0.00	47.00 2.45 0.00
ROME____115KV_TB2 80656	47.56 1.34 0.00	43.29 1.30 0.00	42.39 1.27 0.00	41.16 1.28 0.00	42.78 1.45 0.00	47.88 1.71 0.00	60.28 2.43 0.00	68.49 2.95 0.00	62.67 2.41 0.00	60.41 1.82 0.00	57.93 1.58 0.00	54.15 1.32 0.00	51.61 1.36 0.00	50.05 1.27 0.00	50.72 1.29 0.00	51.63 1.31 0.00	52.43 1.28 0.00	57.48 1.51 0.00	63.18 1.96 0.00	71.69 2.56 0.00	63.97 2.16 0.00	55.79 1.68 0.00	47.63 1.34 0.00	45.84 1.29 0.00
ROSETON___1 23587	47.23 1.02 0.00	42.91 0.92 0.00	41.89 0.78 0.00	40.60 0.72 0.00	42.03 0.70 0.00	47.18 1.01 0.00	59.30 1.45 0.00	67.51 1.96 0.00	62.13 1.87 0.00	60.70 2.11 0.00	58.49 2.14 0.00	55.05 2.22 0.00	52.21 1.96 0.00	50.78 2.00 0.00	51.51 2.08 0.00	52.39 2.06 0.00	53.46 2.30 0.00	58.49 2.52 0.00	63.91 2.69 0.00	72.18 3.04 0.00	64.65 2.84 0.00	56.44 2.33 0.00	48.14 1.85 0.00	46.20 1.65 0.00
ROSETON___2 23588	47.23 1.02 0.00	42.91 0.92 0.00	41.89 0.78 0.00	40.60 0.72 0.00	42.03 0.70 0.00	47.18 1.01 0.00	59.30 1.45 0.00	67.51 1.96 0.00	62.13 1.87 0.00	60.70 2.11 0.00	58.49 2.14 0.00	55.05 2.22 0.00	52.21 1.96 0.00	50.78 2.00 0.00	51.51 2.08 0.00	52.39 2.06 0.00	53.46 2.30 0.00	58.49 2.52 0.00	63.91 2.69 0.00	72.18 3.04 0.00	64.65 2.84 0.00	56.44 2.33 0.00	48.14 1.85 0.00	46.20 1.65 0.00
ROTRDAM_115KV_TB3 80664	47.09 0.88 0.00	42.78 0.80 0.00	41.89 0.78 0.00	40.60 0.72 0.00	42.11 0.79 0.00	47.09 0.92 0.00	59.13 1.27 0.00	66.98 1.44 0.00	61.58 1.33 0.00	59.94 1.35 0.00	57.59 1.24 0.00	53.99 1.16 0.00	51.26 1.01 0.00	49.80 1.02 0.00	50.47 1.04 0.00	51.43 1.11 0.00	52.43 1.28 0.00	57.54 1.57 0.00	62.93 1.71 0.00	71.00 1.87 0.00	63.53 1.73 0.00	55.47 1.35 0.00	47.44 1.16 0.00	45.62 1.07 0.00
RUSSELL___1 23602	47.05 0.83 0.00	42.66 0.67 0.00	41.85 0.74 0.00	40.64 0.76 0.00	42.07 0.74 0.00	46.81 0.65 0.00	58.32 0.46 0.00	65.61 0.07 0.00	60.56 0.30 0.00	58.42 -0.18 0.00	55.96 -0.39 0.00	52.14 -0.69 0.00	50.00 -0.25 0.00	48.29 -0.49 0.00	49.08 -0.35 0.00	50.02 -0.30 0.00	50.18 -0.97 0.00	54.46 -1.51 0.00	59.75 -1.47 0.00	67.75 -1.38 0.00	60.63 -1.17 0.00	52.92 -1.19 0.00	45.64 -0.65 0.00	44.28 -0.27 0.00
RUSSELL___2 23532	47.05 0.83 0.00	42.66 0.67 0.00	41.85 0.74 0.00	40.64 0.76 0.00	42.07 0.74 0.00	46.81 0.65 0.00	58.32 0.46 0.00	65.61 0.07 0.00	60.56 0.30 0.00	58.42 -0.18 0.00	55.96 -0.39 0.00	52.14 -0.69 0.00	50.00 -0.25 0.00	48.29 -0.49 0.00	49.08 -0.35 0.00	50.02 -0.30 0.00	50.18 -0.97 0.00	54.46 -1.51 0.00	59.75 -1.47 0.00	67.75 -1.38 0.00	60.63 -1.17 0.00	52.92 -1.19 0.00	45.64 -0.65 0.00	44.28 -0.27 0.00
RUSSELL___3 23549	47.05 0.83 0.00	42.66 0.67 0.00	41.85 0.74 0.00	40.64 0.76 0.00	42.07 0.74 0.00	46.81 0.65 0.00	58.32 0.46 0.00	65.61 0.07 0.00	60.56 0.30 0.00	58.42 -0.18 0.00	55.96 -0.39 0.00	52.14 -0.69 0.00	50.00 -0.25 0.00	48.29 -0.49 0.00	49.08 -0.35 0.00	50.02 -0.30 0.00	50.18 -0.97 0.00	54.46 -1.51 0.00	59.75 -1.47 0.00	67.75 -1.38 0.00	60.63 -1.17 0.00	52.92 -1.19 0.00	45.64 -0.65 0.00	44.28 -0.27 0.00
RUSSELL___4 23556	47.05 0.83 0.00	42.66 0.67 0.00	41.85 0.74 0.00	40.64 0.76 0.00	42.07 0.74 0.00	46.81 0.65 0.00	58.32 0.46 0.00	65.61 0.07 0.00	60.56 0.30 0.00	58.42 -0.18 0.00	55.96 -0.39 0.00	52.14 -0.69 0.00	50.00 -0.25 0.00	48.29 -0.49 0.00	49.08 -0.35 0.00	50.02 -0.30 0.00	50.18 -0.97 0.00	54.46 -1.51 0.00	59.75 -1.47 0.00	67.75 -1.38 0.00	60.63 -1.17 0.00	52.92 -1.19 0.00	45.64 -0.65 0.00	44.28 -0.27 0.00
RUSSELL___STATION 23914	47.05 0.83 0.00	42.66 0.67 0.00	41.85 0.74 0.00	40.64 0.76 0.00	42.07 0.74 0.00	46.81 0.65 0.00	58.32 0.46 0.00	65.61 0.07 0.00	60.56 0.30 0.00	58.42 -0.18 0.00	55.96 -0.39 0.00	52.14 -0.69 0.00	50.00 -0.25 0.00	48.29 -0.49 0.00	49.08 -0.35 0.00	50.02 -0.30 0.00	50.18 -0.97 0.00	54.46 -1.51 0.00	59.75 -1.47 0.00	67.75 -1.38 0.00	60.63 -1.17 0.00	52.92 -1.19 0.00	45.64 -0.65 0.00	44.28 -0.27 0.00
S SALMON___HYD 24043	45.66 -0.55 0.00	41.53 -0.46 0.00	40.66 -0.45 0.00	39.44 -0.44 0.00	40.92 -0.41 0.00	45.80 -0.37 0.00	57.62 -0.23 0.00	65.34 -0.20 0.00	59.90 -0.36 0.00	57.78 -0.82 0.00	55.40 -0.96 0.00	51.77 -1.06 0.00	49.35 -0.90 0.00	47.85 -0.93 0.00	48.44 -0.99 0.00	49.36 -0.96 0.00	50.07 -1.08 0.00	54.85 -1.12 0.00	60.36 -0.86 0.00	68.51 -0.62 0.00	61.12 -0.68 0.00	53.41 -0.71 0.00	45.59 -0.69 0.00	43.92 -0.62 0.00
S.PERRY__115KV_TB1 80734	48.48 2.26 0.00	44.00 2.02 0.00	43.21 2.10 0.00	41.92 2.03 0.00	43.40 2.07 0.00	48.34 2.17 0.00	60.46 2.60 0.00	67.70 2.16 0.00	61.58 1.33 0.00	58.65 0.06 0.00	55.90 -0.45 0.00	52.14 -0.69 0.00	49.85 -0.40 0.00	47.95 -0.83 0.00	48.79 -0.64 0.00	49.77 -0.55 0.00	50.18 -0.97 0.00	54.63 -1.34 0.00	60.67 -0.55 0.00	69.00 -0.14 0.00	61.68 -0.12 0.00	53.68 -0.43 0.00	46.19 -0.09 0.00	44.90 0.36 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	47.37 1.16 0.00	42.70 0.71 0.00	42.06 0.95 0.00	40.92 1.04 0.00	42.28 0.95 0.00	46.54 0.37 0.00	57.33 -0.52 0.00	63.18 -2.36 0.00	58.81 -1.45 0.00	56.49 -2.11 0.00	54.16 -2.20 0.00	50.71 -2.11 0.00	48.65 -1.61 0.00	46.49 -2.29 0.00	47.50 -1.93 0.00	48.36 -1.96 0.00	48.08 -3.07 0.00	51.38 -4.59 0.00	56.45 -4.78 0.00	64.09 -5.05 0.00	57.35 -4.45 0.00	50.27 -3.84 0.00	43.79 -2.50 0.00	43.03 -1.51 0.00



SAWYER___23_KV_LOAD 55526	47.37 1.16 0.00	42.70 0.71 0.00	42.06 0.95 0.00	40.92 1.04 0.00	42.28 0.95 0.00	46.54 0.37 0.00	57.33 -0.52 0.00	63.18 -2.36 0.00	58.81 -1.45 0.00	56.49 -2.11 0.00	54.16 -2.20 0.00	50.71 -2.11 0.00	48.65 -1.61 0.00	46.49 -2.29 0.00	47.50 -1.93 0.00	48.36 -1.96 0.00	48.08 -3.07 0.00	51.38 -4.59 0.00	56.45 -4.78 0.00	64.09 -5.05 0.00	57.35 -4.45 0.00	50.27 -3.84 0.00	43.79 -2.50 0.00	43.03 -1.51 0.00
SELKIRK___I 23801	46.63 0.42 0.00	42.41 0.42 0.00	41.56 0.45 0.00	40.32 0.44 0.00	41.83 0.50 0.00	46.63 0.46 0.00	58.49 0.64 0.00	66.26 0.72 0.00	60.92 0.66 0.00	59.30 0.71 0.00	56.98 0.62 0.00	53.46 0.64 0.00	50.66 0.40 0.00	49.22 0.44 0.00	49.87 0.44 0.00	50.82 0.50 0.00	51.81 0.66 0.00	56.81 0.84 0.00	62.26 1.04 0.00	70.18 1.04 0.00	62.85 1.05 0.00	54.93 0.81 0.00	47.02 0.74 0.00	45.26 0.71 0.00
SELKIRK___II 23799	46.35 0.14 0.00	42.16 0.17 0.00	41.28 0.17 0.00	40.04 0.16 0.00	41.49 0.17 0.00	46.31 0.14 0.00	58.14 0.29 0.00	65.87 0.33 0.00	60.62 0.36 0.00	59.12 0.53 0.00	56.86 0.51 0.00	53.41 0.58 0.00	50.66 0.40 0.00	49.17 0.39 0.00	49.87 0.44 0.00	50.77 0.45 0.00	51.77 0.62 0.00	56.70 0.73 0.00	62.01 0.79 0.00	69.97 0.83 0.00	62.67 0.86 0.00	54.77 0.65 0.00	46.84 0.56 0.00	45.08 0.54 0.00
SENECA OSWGO___HYD 24041	45.71 -0.51 0.00	41.48 -0.50 0.00	40.66 -0.45 0.00	39.36 -0.52 0.00	40.83 -0.49 0.00	45.57 -0.60 0.00	57.22 -0.64 0.00	64.82 -0.72 0.00	59.60 -0.66 0.00	57.78 -0.82 0.00	55.45 -0.90 0.00	51.88 -0.95 0.00	49.45 -0.81 0.00	47.95 -0.83 0.00	48.59 -0.84 0.00	49.47 -0.86 0.00	50.23 -0.92 0.00	54.90 -1.07 0.00	60.30 -0.92 0.00	68.24 -0.90 0.00	60.88 -0.93 0.00	53.30 -0.81 0.00	45.54 -0.74 0.00	43.88 -0.67 0.00
SENECA___115KV_TB3 355854	47.88 1.66 0.00	43.20 1.22 0.00	42.51 1.40 0.00	41.40 1.52 0.00	42.73 1.41 0.00	47.05 0.88 0.00	58.08 0.23 0.00	63.90 -1.64 0.00	59.60 -0.66 0.00	57.19 -1.41 0.00	54.83 -1.52 0.00	51.30 -1.53 0.00	49.20 -1.06 0.00	47.02 -1.76 0.00	48.00 -1.43 0.00	48.86 -1.46 0.00	48.64 -2.51 0.00	52.00 -3.97 0.00	57.12 -4.10 0.00	64.85 -4.29 0.00	57.97 -3.83 0.00	50.71 -3.41 0.00	44.16 -2.13 0.00	43.48 -1.07 0.00
SENECA___ENERGY 23797	46.68 0.46 0.00	42.36 0.38 0.00	41.52 0.41 0.00	40.24 0.36 0.00	41.74 0.41 0.00	46.58 0.41 0.00	58.37 0.52 0.00	65.94 0.40 0.00	60.56 0.30 0.00	58.42 -0.18 0.00	55.96 -0.39 0.00	52.35 -0.48 0.00	50.01 -0.25 0.00	48.39 -0.39 0.00	49.03 -0.40 0.00	49.97 -0.35 0.00	50.59 -0.56 0.00	55.19 -0.78 0.00	60.67 -0.55 0.00	68.66 -0.48 0.00	61.24 -0.56 0.00	53.57 -0.54 0.00	45.91 -0.37 0.00	44.37 -0.18 0.00
SHOEMAKER___GT 23640	47.00 0.78 0.00	42.74 0.76 0.00	41.77 0.66 0.00	40.48 0.60 0.00	41.91 0.58 0.00	47.00 0.83 0.00	59.12 1.27 0.00	67.24 1.70 0.00	61.82 1.56 0.00	60.35 1.76 0.00	58.04 1.69 0.00	54.57 1.74 0.00	51.82 1.56 0.00	50.34 1.56 0.00	51.11 1.68 0.00	51.98 1.66 0.00	52.99 1.84 0.00	58.10 2.13 0.00	63.49 2.27 0.00	71.76 2.63 0.00	64.15 2.35 0.00	56.06 1.95 0.00	47.86 1.57 0.00	45.93 1.38 0.00
SHOEMAKR_138KV_BK 111 55601	47.00 0.79 0.00	42.74 0.76 0.00	41.77 0.66 0.00	40.44 0.56 0.00	41.91 0.58 0.00	46.95 0.78 0.00	59.13 1.27 0.00	67.24 1.70 0.00	61.82 1.57 0.00	60.35 1.76 0.00	58.10 1.75 0.00	54.57 1.74 0.00	51.86 1.61 0.00	50.44 1.66 0.00	51.11 1.68 0.00	52.03 1.71 0.00	53.04 1.89 0.00	58.21 2.24 0.00	63.49 2.27 0.00	71.69 2.56 0.00	64.15 2.35 0.00	56.06 1.95 0.00	47.86 1.57 0.00	45.93 1.38 0.00
SHOREHAM_IC_1 23715	47.05 0.83 0.00	42.41 0.42 0.00	41.15 0.04 0.00	39.61 -0.28 0.00	41.08 -0.25 0.00	46.68 0.51 0.00	57.85 0.00 0.00	66.13 0.59 0.00	61.22 0.96 0.00	58.89 0.29 0.00	57.20 0.85 0.00	54.37 1.53 -0.01	52.86 1.30 -1.30	52.92 1.46 -2.68	54.90 1.88 -3.59	56.04 2.01 -3.71	57.88 2.25 -4.48	61.64 2.63 -3.04	64.52 2.88 -0.42	72.26 3.11 -0.01	64.72 2.91 -0.01	59.27 2.49 -2.67	53.36 2.27 -4.81	46.74 2.18 -0.01
SHOREHAM_IC_2 23716	47.05 0.83 0.00	42.41 0.42 0.00	41.15 0.04 0.00	39.61 -0.28 0.00	41.08 -0.25 0.00	46.68 0.51 0.00	57.85 0.00 0.00	66.13 0.59 0.00	61.22 0.96 0.00	58.89 0.29 0.00	57.20 0.85 0.00	54.37 1.53 -0.01	52.86 1.30 -1.30	52.92 1.46 -2.68	54.90 1.88 -3.59	56.04 2.01 -3.71	57.88 2.25 -4.48	61.64 2.63 -3.04	64.52 2.88 -0.42	72.26 3.11 -0.01	64.72 2.91 -0.01	59.27 2.49 -2.67	53.36 2.27 -4.81	46.74 2.18 -0.01
SISSONVILLE____ 23735	45.43 -0.79 0.00	41.32 -0.67 0.00	40.37 -0.74 0.00	39.32 -0.56 0.00	40.79 -0.54 0.00	45.71 -0.46 0.00	57.10 -0.75 0.00	64.69 -0.85 0.00	59.17 -1.08 0.00	57.54 -1.05 0.00	55.17 -1.18 0.00	51.72 -1.11 0.00	49.30 -0.95 0.00	47.95 -0.83 0.00	48.49 -0.94 0.00	49.37 -0.96 0.00	50.08 -1.07 0.00	54.85 -1.12 0.00	59.81 -1.41 0.00	67.68 -1.45 0.00	60.44 -1.36 0.00	53.14 -0.97 0.00	45.36 -0.93 0.00	43.66 -0.89 0.00
SITHE_IND_GS1 24169	45.43 -0.79 0.00	41.23 -0.75 0.00	40.41 -0.70 0.00	39.17 -0.72 0.00	40.59 -0.74 0.00	45.29 -0.88 0.00	56.75 -1.10 0.00	64.23 -1.31 0.00	59.05 -1.20 0.00	57.31 -1.29 0.00	55.06 -1.29 0.00	51.56 -1.27 0.00	49.10 -1.15 0.00	47.61 -1.17 0.00	48.24 -1.19 0.00	49.17 -1.16 0.00	49.87 -1.28 0.00	54.51 -1.46 0.00	59.75 -1.47 0.00	67.62 -1.52 0.00	60.38 -1.42 0.00	52.87 -1.24 0.00	45.22 -1.06 0.00	43.61 -0.94 0.00
SITHE_IND_GS2 24170	45.43 -0.79 0.00	41.23 -0.75 0.00	40.41 -0.70 0.00	39.17 -0.72 0.00	40.59 -0.74 0.00	45.29 -0.88 0.00	56.75 -1.10 0.00	64.23 -1.31 0.00	59.05 -1.20 0.00	57.31 -1.29 0.00	55.06 -1.29 0.00	51.56 -1.27 0.00	49.10 -1.15 0.00	47.61 -1.17 0.00	48.24 -1.19 0.00	49.17 -1.16 0.00	49.87 -1.28 0.00	54.51 -1.46 0.00	59.75 -1.47 0.00	67.62 -1.52 0.00	60.38 -1.42 0.00	52.87 -1.24 0.00	45.22 -1.06 0.00	43.61 -0.94 0.00
SITHE_IND_GS3 24171	45.43 -0.79 0.00	41.23 -0.75 0.00	40.41 -0.70 0.00	39.17 -0.72 0.00	40.59 -0.74 0.00	45.29 -0.88 0.00	56.75 -1.10 0.00	64.23 -1.31 0.00	59.05 -1.20 0.00	57.31 -1.29 0.00	55.06 -1.29 0.00	51.56 -1.27 0.00	49.10 -1.15 0.00	47.61 -1.17 0.00	48.24 -1.19 0.00	49.17 -1.16 0.00	49.87 -1.28 0.00	54.51 -1.46 0.00	59.75 -1.47 0.00	67.62 -1.52 0.00	60.38 -1.42 0.00	52.87 -1.24 0.00	45.22 -1.06 0.00	43.61 -0.94 0.00
SITHE_IND_GS4 24172	45.43 -0.79 0.00	41.23 -0.75 0.00	40.41 -0.70 0.00	39.17 -0.72 0.00	40.59 -0.74 0.00	45.29 -0.88 0.00	56.75 -1.10 0.00	64.23 -1.31 0.00	59.05 -1.20 0.00	57.31 -1.29 0.00	55.06 -1.29 0.00	51.56 -1.27 0.00	49.10 -1.15 0.00	47.61 -1.17 0.00	48.24 -1.19 0.00	49.17 -1.16 0.00	49.87 -1.28 0.00	54.51 -1.46 0.00	59.75 -1.47 0.00	67.62 -1.52 0.00	60.38 -1.42 0.00	52.87 -1.24 0.00	45.22 -1.06 0.00	43.61 -0.94 0.00



SITHE___BATAVIA 24024	47.93 1.71 0.00	43.54 1.55 0.00	42.63 1.52 0.00	41.36 1.48 0.00	43.02 1.70 0.00	47.74 1.57 0.00	58.95 1.10 0.00	65.67 0.13 0.00	60.68 0.42 0.00	58.19 -0.41 0.00	55.45 -0.90 0.00	51.56 -1.27 0.00	49.60 -0.65 0.00	47.85 -0.93 0.00	48.64 -0.79 0.00	49.62 -0.70 0.00	49.41 -1.74 0.00	53.62 -2.35 0.00	58.28 -2.94 0.00	66.17 -2.97 0.00	59.39 -2.41 0.00	52.11 -2.00 0.00	44.94 -1.34 0.00	43.97 -0.58 0.00
SITHE___INDEPEND 23800	45.43 -0.79 0.00	41.23 -0.76 0.00	40.41 -0.70 0.00	39.16 -0.72 0.00	40.58 -0.74 0.00	45.29 -0.88 0.00	56.75 -1.10 0.00	64.23 -1.31 0.00	59.05 -1.21 0.00	57.31 -1.29 0.00	55.06 -1.30 0.00	51.56 -1.27 0.00	49.10 -1.16 0.00	47.61 -1.17 0.00	48.24 -1.19 0.00	49.16 -1.16 0.00	49.87 -1.28 0.00	54.51 -1.46 0.00	59.75 -1.47 0.00	67.55 -1.59 0.00	60.38 -1.42 0.00	52.82 -1.30 0.00	45.22 -1.06 0.00	43.61 -0.94 0.00
SITHE___MASSENA 23902	46.54 0.33 0.00	42.32 0.33 0.00	41.40 0.29 0.00	40.24 0.36 0.00	41.74 0.41 0.00	46.68 0.51 0.00	58.26 0.41 0.00	65.87 0.33 0.00	60.44 0.18 0.00	58.89 0.29 0.00	56.64 0.28 0.00	52.99 0.16 0.00	50.56 0.30 0.00	49.12 0.34 0.00	49.68 0.25 0.00	50.57 0.25 0.00	51.31 0.15 0.00	56.31 0.34 0.00	61.22 0.00 0.00	69.07 -0.07 0.00	61.68 -0.12 0.00	54.22 0.11 0.00	46.47 0.19 0.00	44.77 0.22 0.00
SITHE___OGDNSBRG 24021	46.77 0.55 0.00	42.53 0.55 0.00	41.60 0.49 0.00	40.52 0.64 0.00	42.03 0.70 0.00	47.09 0.92 0.00	58.89 1.04 0.00	66.59 1.05 0.00	60.80 0.54 0.00	59.01 0.41 0.00	56.47 0.11 0.00	52.83 0.00 0.00	50.41 0.15 0.00	48.98 0.20 0.00	49.58 0.15 0.00	50.52 0.20 0.00	51.25 0.10 0.00	56.25 0.28 0.00	61.53 0.31 0.00	69.76 0.62 0.00	62.30 0.49 0.00	54.76 0.65 0.00	46.75 0.46 0.00	45.04 0.49 0.00
SITHE___STERLING 23777	47.32 1.11 0.00	43.08 1.09 0.00	42.18 1.07 0.00	40.92 1.04 0.00	42.48 1.16 0.00	47.55 1.38 0.00	59.82 1.97 0.00	67.83 2.29 0.00	62.19 1.93 0.00	60.06 1.47 0.00	57.59 1.24 0.00	53.88 1.06 0.00	51.31 1.06 0.00	49.76 0.98 0.00	50.42 0.99 0.00	51.33 1.01 0.00	52.17 1.02 0.00	57.15 1.18 0.00	62.81 1.59 0.00	71.21 2.07 0.00	63.53 1.73 0.00	55.52 1.40 0.00	47.39 1.11 0.00	45.61 1.07 0.00
SLEIGHT__34_KV_TB1 80719	46.49 0.28 0.00	42.20 0.21 0.00	41.40 0.29 0.00	40.12 0.24 0.00	41.58 0.25 0.00	46.35 0.18 0.00	58.08 0.23 0.00	65.61 0.07 0.00	60.38 0.12 0.00	58.30 -0.29 0.00	55.90 -0.45 0.00	52.14 -0.69 0.00	49.85 -0.40 0.00	48.24 -0.54 0.00	48.94 -0.49 0.00	49.87 -0.45 0.00	50.23 -0.92 0.00	54.68 -1.29 0.00	60.06 -1.16 0.00	68.03 -1.11 0.00	60.75 -1.05 0.00	53.09 -1.03 0.00	45.59 -0.69 0.00	44.10 -0.45 0.00
SOUTH CAIRO___GT 23612	47.32 1.11 0.00	43.08 1.09 0.00	42.22 1.11 0.00	40.88 1.00 0.00	42.53 1.20 0.00	47.41 1.25 0.00	59.88 2.02 0.00	67.70 2.16 0.00	62.07 1.81 0.00	60.24 1.64 0.00	57.54 1.18 0.00	53.83 1.00 0.00	51.06 0.80 0.00	49.51 0.73 0.00	50.22 0.79 0.00	51.28 0.96 0.00	52.53 1.38 0.00	58.04 2.07 0.00	63.61 2.39 0.00	71.83 2.70 0.00	64.27 2.47 0.00	56.06 1.95 0.00	47.90 1.62 0.00	46.20 1.65 0.00
SOUTH HAMPTN___IC 23720	47.69 1.48 0.00	42.95 0.97 0.00	41.69 0.58 0.00	40.08 0.20 0.00	41.54 0.21 0.00	47.14 0.97 0.00	58.55 0.70 0.00	67.05 1.51 0.00	62.13 1.87 0.00	59.83 1.23 0.00	57.93 1.58 0.00	55.11 2.27 -0.01	53.62 2.06 -1.30	53.65 2.20 -2.68	55.58 2.57 -3.58	56.79 2.77 -3.70	58.64 3.02 -4.47	62.53 3.53 -3.03	65.37 3.73 -0.42	73.22 4.08 -0.01	65.58 3.77 -0.01	60.08 3.30 -2.66	54.05 2.96 -4.80	47.50 2.94 -0.01
SOUTHDOW_115KV_TB1 355954	49.64 3.42 0.00	44.84 2.86 0.00	44.07 2.96 0.00	42.87 2.99 0.00	44.35 3.02 0.00	48.94 2.77 0.00	60.92 3.07 0.00	69.67 4.13 0.00	62.73 2.47 0.00	60.06 1.46 0.00	57.31 0.96 0.00	53.41 0.58 0.00	51.06 0.80 0.00	48.73 -0.05 0.00	49.43 0.00 0.00	50.12 -0.20 0.00	49.62 -1.53 0.00	53.00 -2.97 0.00	58.16 -3.06 0.00	65.82 -3.32 0.00	58.71 -3.09 0.00	51.25 -2.87 0.00	44.48 -1.81 0.00	43.74 -0.80 0.00
SOUTHOLD_69_KV_BK 2 55809	48.02 1.80 0.00	43.29 1.30 0.00	41.97 0.86 0.00	40.20 0.32 0.00	41.62 0.29 0.00	47.18 1.02 0.00	58.78 0.93 0.00	67.38 1.84 0.00	62.49 2.23 0.00	60.12 1.52 0.00	58.21 1.86 0.00	55.11 2.27 -0.01	53.77 2.21 -1.30	53.85 2.39 -2.68	55.88 2.87 -3.58	57.24 3.22 -3.70	59.21 3.58 -4.48	63.31 4.31 -3.03	65.86 4.22 -0.42	73.71 4.56 -0.01	66.08 4.26 -0.01	60.62 3.84 -2.66	54.46 3.38 -4.80	48.07 3.52 -0.01
SOUTHOLD___IC 23719	48.02 1.80 0.00	43.29 1.30 0.00	41.98 0.86 0.00	40.24 0.36 0.00	41.62 0.29 0.00	47.18 1.01 0.00	58.72 0.87 0.00	67.37 1.83 0.00	62.49 2.23 0.00	60.12 1.52 0.00	58.04 1.69 0.00	55.22 2.38 -0.01	53.77 2.21 -1.30	53.84 2.39 -2.68	55.88 2.87 -3.58	57.24 3.22 -3.70	59.21 3.58 -4.48	63.14 4.14 -3.03	65.92 4.28 -0.42	73.71 4.56 -0.01	66.07 4.26 -0.01	60.62 3.84 -2.66	54.56 3.47 -4.80	48.07 3.52 -0.01
SOUTH_FORK_WT_PWR 323839	47.83 1.62 0.00	43.08 1.09 0.00	41.77 0.66 0.00	40.00 0.12 0.00	41.29 -0.04 0.00	46.72 0.56 0.00	58.20 0.35 0.00	66.78 1.24 0.00	62.01 1.75 0.00	59.65 1.06 0.00	57.37 1.02 0.00	54.58 1.74 -0.01	53.21 1.66 -1.30	53.36 1.90 -2.68	55.48 2.47 -3.58	56.84 2.82 -3.70	58.85 3.22 -4.47	62.81 3.81 -3.03	65.43 3.80 -0.42	73.15 4.01 -0.01	65.64 3.83 -0.01	60.35 3.57 -2.66	54.37 3.29 -4.80	48.03 3.48 -0.01
SPIERFLS_115KV_TB 1 80737	48.06 1.85 0.00	43.58 1.60 0.00	42.76 1.64 0.00	41.40 1.52 0.00	43.06 1.74 0.00	48.20 2.03 0.00	60.75 2.89 0.00	68.95 3.41 0.00	63.39 3.13 0.00	61.58 2.99 0.00	59.00 2.65 0.00	55.20 2.38 0.00	52.42 2.16 0.00	50.83 2.05 0.00	51.46 2.03 0.00	52.49 2.16 0.00	53.66 2.51 0.00	58.99 3.02 0.00	64.77 3.55 0.00	73.01 3.87 0.00	65.39 3.58 0.00	56.66 2.54 0.00	48.41 2.13 0.00	46.60 2.05 0.00
ST LAWRENCE____ 23600	46.08 -0.14 0.00	41.86 -0.13 0.00	40.99 -0.12 0.00	39.80 -0.08 0.00	41.25 -0.08 0.00	46.08 -0.09 0.00	57.51 -0.35 0.00	65.09 -0.46 0.00	59.77 -0.48 0.00	58.25 -0.35 0.00	56.07 -0.28 0.00	52.51 -0.32 0.00	50.01 -0.25 0.00	48.59 -0.19 0.00	49.18 -0.25 0.00	50.02 -0.30 0.00	50.80 -0.36 0.00	55.64 -0.33 0.00	60.55 -0.67 0.00	68.31 -0.83 0.00	61.06 -0.74 0.00	53.63 -0.49 0.00	45.96 -0.32 0.00	44.24 -0.31 0.00
STATE_CA_115KV_115_LB 55624	46.22 0.00 0.00	42.07 0.08 0.00	41.19 0.08 0.00	39.96 0.08 0.00	41.45 0.12 0.00	46.21 0.05 0.00	58.08 0.23 0.00	65.87 0.33 0.00	60.62 0.36 0.00	59.12 0.53 0.00	56.92 0.56 0.00	53.41 0.58 0.00	50.66 0.40 0.00	49.22 0.44 0.00	49.88 0.44 0.00	50.82 0.50 0.00	51.82 0.66 0.00	56.87 0.90 0.00	62.14 0.92 0.00	69.97 0.83 0.00	62.67 0.87 0.00	54.71 0.60 0.00	46.79 0.51 0.00	45.08 0.53 0.00



STATE_ST_34_KV_LOAD 55959	46.77 0.55 0.00	42.49 0.50 0.00	41.65 0.53 0.00	40.36 0.48 0.00	41.82 0.50 0.00	46.68 0.51 0.00	58.66 0.81 0.00	66.46 0.92 0.00	60.98 0.72 0.00	59.01 0.41 0.00	56.64 0.28 0.00	52.93 0.11 0.00	50.46 0.20 0.00	48.88 0.10 0.00	49.53 0.10 0.00	50.47 0.15 0.00	51.20 0.05 0.00	55.91 -0.06 0.00	61.53 0.31 0.00	69.62 0.48 0.00	62.11 0.31 0.00	54.28 0.16 0.00	46.42 0.14 0.00	44.81 0.27 0.00
STATION 5_MISC_HYD 23604	46.86 0.65 0.00	42.45 0.46 0.00	41.69 0.58 0.00	40.44 0.56 0.00	41.91 0.58 0.00	46.63 0.46 0.00	58.09 0.23 0.00	65.28 -0.26 0.00	60.26 0.00 0.00	58.13 -0.47 0.00	55.62 -0.73 0.00	51.88 -0.95 0.00	49.75 -0.50 0.00	48.14 -0.64 0.00	48.84 -0.59 0.00	49.82 -0.50 0.00	49.92 -1.23 0.00	54.34 -1.62 0.00	59.44 -1.78 0.00	67.41 -1.73 0.00	60.32 -1.48 0.00	52.87 -1.24 0.00	45.40 -0.88 0.00	44.10 -0.45 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	47.05 0.83 0.00	42.70 0.71 0.00	41.89 0.78 0.00	40.60 0.72 0.00	42.07 0.74 0.00	46.95 0.78 0.00	58.78 0.93 0.00	66.39 0.85 0.00	61.10 0.84 0.00	58.95 0.35 0.00	56.41 0.06 0.00	52.56 -0.26 0.00	50.31 0.05 0.00	48.73 -0.05 0.00	49.43 0.00 0.00	50.37 0.05 0.00	50.79 -0.36 0.00	55.30 -0.67 0.00	60.79 -0.43 0.00	68.79 -0.35 0.00	61.49 -0.31 0.00	53.68 -0.43 0.00	46.10 -0.19 0.00	44.64 0.09 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	46.54 0.32 0.00	42.20 0.21 0.00	41.40 0.29 0.00	40.20 0.32 0.00	41.62 0.29 0.00	46.31 0.14 0.00	57.74 -0.12 0.00	64.95 -0.59 0.00	59.96 -0.30 0.00	57.83 -0.76 0.00	55.45 -0.90 0.00	51.72 -1.11 0.00	49.55 -0.70 0.00	47.85 -0.93 0.00	48.64 -0.79 0.00	49.57 -0.75 0.00	49.77 -1.38 0.00	54.01 -1.96 0.00	59.26 -1.96 0.00	67.13 -2.00 0.00	60.13 -1.67 0.00	52.49 -1.62 0.00	45.22 -1.06 0.00	43.88 -0.67 0.00
STA_56___34_KV_BUS2 355983	46.54 0.32 0.00	42.20 0.21 0.00	41.40 0.29 0.00	40.20 0.32 0.00	41.62 0.29 0.00	46.31 0.14 0.00	57.74 -0.12 0.00	64.95 -0.59 0.00	59.96 -0.30 0.00	57.83 -0.76 0.00	55.45 -0.90 0.00	51.72 -1.11 0.00	49.55 -0.70 0.00	47.85 -0.93 0.00	48.64 -0.79 0.00	49.57 -0.75 0.00	49.77 -1.38 0.00	54.01 -1.96 0.00	59.26 -1.96 0.00	67.13 -2.00 0.00	60.13 -1.67 0.00	52.49 -1.62 0.00	45.22 -1.06 0.00	43.88 -0.67 0.00
STA_67___115KV_BK2 355882	46.82 0.60 0.00	42.36 0.38 0.00	41.65 0.53 0.00	40.40 0.52 0.00	41.82 0.50 0.00	46.54 0.37 0.00	57.91 0.06 0.00	65.08 -0.46 0.00	60.08 -0.18 0.00	57.95 -0.64 0.00	55.57 -0.79 0.00	51.82 -1.00 0.00	49.65 -0.60 0.00	47.95 -0.83 0.00	48.74 -0.69 0.00	49.67 -0.65 0.00	49.82 -1.33 0.00	54.01 -1.96 0.00	59.32 -1.90 0.00	67.20 -1.94 0.00	60.20 -1.61 0.00	52.55 -1.57 0.00	45.31 -0.97 0.00	44.01 -0.53 0.00
STA_7___115KV_9TRANS 80674	47.05 0.83 0.00	42.66 0.67 0.00	41.85 0.74 0.00	40.64 0.76 0.00	42.07 0.74 0.00	46.81 0.65 0.00	58.32 0.46 0.00	65.61 0.07 0.00	60.56 0.30 0.00	58.42 -0.18 0.00	55.96 -0.39 0.00	52.14 -0.69 0.00	50.00 -0.25 0.00	48.29 -0.49 0.00	49.08 -0.35 0.00	50.02 -0.30 0.00	50.18 -0.97 0.00	54.46 -1.51 0.00	59.75 -1.47 0.00	67.75 -1.38 0.00	60.63 -1.17 0.00	52.92 -1.19 0.00	45.64 -0.65 0.00	44.28 -0.27 0.00
STA_82___115KV_TB1 80780	46.82 0.60 0.00	42.36 0.38 0.00	41.65 0.53 0.00	40.40 0.52 0.00	41.82 0.50 0.00	46.54 0.37 0.00	57.97 0.12 0.00	65.08 -0.46 0.00	60.08 -0.18 0.00	57.95 -0.64 0.00	55.57 -0.79 0.00	51.82 -1.00 0.00	49.65 -0.60 0.00	47.90 -0.88 0.00	48.74 -0.69 0.00	49.67 -0.65 0.00	49.82 -1.33 0.00	54.01 -1.96 0.00	59.32 -1.90 0.00	67.20 -1.94 0.00	60.20 -1.61 0.00	52.55 -1.57 0.00	45.31 -0.97 0.00	44.01 -0.53 0.00
STEEL___WIND 323596	47.83 1.62 0.00	43.16 1.17 0.00	42.47 1.35 0.00	41.24 1.36 0.00	42.77 1.45 0.00	47.04 0.88 0.00	58.03 0.17 0.00	63.90 -1.64 0.00	59.54 -0.72 0.00	57.13 -1.46 0.00	54.61 -1.75 0.00	51.09 -1.74 0.00	49.15 -1.11 0.00	47.07 -1.71 0.00	47.95 -1.48 0.00	48.86 -1.46 0.00	48.54 -2.61 0.00	52.22 -3.75 0.00	57.06 -4.17 0.00	64.78 -4.35 0.00	57.91 -3.89 0.00	50.97 -3.14 0.00	44.06 -2.22 0.00	43.39 -1.16 0.00
STEPHTWN_115KV_BK_2 55603	46.49 0.28 0.00	42.28 0.29 0.00	41.40 0.29 0.00	40.16 0.28 0.00	41.66 0.33 0.00	46.49 0.32 0.00	58.49 0.64 0.00	66.33 0.79 0.00	61.04 0.78 0.00	59.47 0.88 0.00	57.26 0.90 0.00	53.67 0.85 0.00	50.96 0.70 0.00	49.51 0.73 0.00	50.12 0.69 0.00	51.08 0.75 0.00	52.17 1.02 0.00	57.26 1.29 0.00	62.57 1.35 0.00	70.45 1.31 0.00	63.10 1.30 0.00	55.09 0.97 0.00	47.07 0.79 0.00	45.35 0.80 0.00
STEUBEN_REC_LFGE 323667	48.43 2.22 0.00	43.83 1.85 0.00	43.08 1.97 0.00	41.84 1.95 0.00	43.35 2.03 0.00	48.11 1.94 0.00	60.17 2.31 0.00	67.24 1.70 0.00	61.34 1.08 0.00	58.48 -0.12 0.00	55.85 -0.51 0.00	52.19 -0.63 0.00	49.95 -0.30 0.00	47.95 -0.83 0.00	48.74 -0.69 0.00	49.67 -0.65 0.00	50.08 -1.07 0.00	54.12 -1.85 0.00	59.81 -1.41 0.00	67.62 -1.52 0.00	60.07 -1.73 0.00	52.38 -1.73 0.00	44.94 -1.34 0.00	43.74 -0.80 0.00
STILLWATER___SOLAR 323814	47.74 1.52 0.00	43.33 1.34 0.00	42.47 1.35 0.00	41.16 1.28 0.00	42.73 1.41 0.00	47.78 1.62 0.00	60.05 2.20 0.00	68.03 2.49 0.00	62.55 2.29 0.00	60.82 2.23 0.00	58.33 1.97 0.00	54.68 1.85 0.00	51.86 1.61 0.00	50.29 1.51 0.00	50.96 1.53 0.00	51.98 1.66 0.00	53.09 1.94 0.00	58.32 2.35 0.00	63.98 2.76 0.00	72.11 2.97 0.00	64.59 2.78 0.00	56.22 2.11 0.00	48.09 1.80 0.00	46.24 1.69 0.00
STONY___BROOK 24151	47.88 1.66 0.00	43.21 1.22 0.00	41.93 0.82 0.00	40.40 0.52 0.00	41.95 0.62 0.00	47.55 1.38 0.00	58.95 1.10 0.00	67.44 1.90 0.00	62.49 2.23 0.00	60.47 1.87 0.00	58.72 2.37 0.00	55.74 2.90 -0.01	54.23 2.66 -1.31	54.20 2.73 -2.69	56.00 2.97 -3.61	57.06 3.02 -3.72	58.93 3.28 -4.50	62.77 3.75 -3.05	65.68 4.04 -0.42	73.57 4.43 -0.01	65.83 4.01 -0.01	60.20 3.41 -2.68	54.12 3.01 -4.83	47.45 2.89 -0.01
STURGEON_POOL_HYD 23609	47.32 1.11 0.00	42.99 1.01 0.00	42.02 0.90 0.00	40.68 0.80 0.00	42.11 0.79 0.00	47.28 1.11 0.00	59.53 1.68 0.00	67.70 2.16 0.00	62.31 2.05 0.00	60.88 2.29 0.00	58.66 2.31 0.00	55.10 2.27 0.00	52.32 2.06 0.00	50.93 2.15 0.00	51.66 2.22 0.00	52.54 2.21 0.00	53.61 2.46 0.00	58.82 2.85 0.00	64.10 2.88 0.00	72.46 3.32 0.00	64.77 2.97 0.00	56.60 2.49 0.00	48.32 2.04 0.00	46.37 1.83 0.00
ST_LAW_115_BK7_LBMP 345037	46.03 -0.18 0.00	41.86 -0.13 0.00	40.95 -0.16 0.00	39.80 -0.08 0.00	41.25 -0.08 0.00	46.08 -0.09 0.00	57.51 -0.35 0.00	65.09 -0.46 0.00	59.77 -0.48 0.00	58.19 -0.41 0.00	56.02 -0.34 0.00	52.46 -0.37 0.00	50.01 -0.25 0.00	48.54 -0.24 0.00	49.14 -0.29 0.00	50.02 -0.30 0.00	50.74 -0.41 0.00	55.64 -0.33 0.00	60.55 -0.67 0.00	68.31 -0.83 0.00	61.00 -0.81 0.00	53.63 -0.49 0.00	45.96 -0.32 0.00	44.24 -0.31 0.00



ST_LAW_115_BK8_LBMP 345038	46.03 -0.18 0.00	41.86 -0.13 0.00	40.95 -0.16 0.00	39.80 -0.08 0.00	41.25 -0.08 0.00	46.08 -0.09 0.00	57.51 -0.35 0.00	65.09 -0.46 0.00	59.77 -0.48 0.00	58.19 -0.41 0.00	56.02 -0.34 0.00	52.46 -0.37 0.00	50.01 -0.25 0.00	48.54 -0.24 0.00	49.14 -0.29 0.00	50.02 -0.30 0.00	50.74 -0.41 0.00	55.64 -0.33 0.00	60.55 -0.67 0.00	68.31 -0.83 0.00	61.00 -0.81 0.00	53.63 -0.49 0.00	45.96 -0.32 0.00	44.24 -0.31 0.00
ST_LAW_230_BK5_LBMP 345035	46.08 -0.14 0.00	41.86 -0.13 0.00	40.99 -0.12 0.00	39.80 -0.08 0.00	41.25 -0.08 0.00	46.08 -0.09 0.00	57.51 -0.35 0.00	65.09 -0.46 0.00	59.77 -0.48 0.00	58.25 -0.35 0.00	56.07 -0.28 0.00	52.51 -0.32 0.00	50.01 -0.25 0.00	48.59 -0.19 0.00	49.18 -0.25 0.00	50.02 -0.30 0.00	50.80 -0.36 0.00	55.64 -0.33 0.00	60.55 -0.67 0.00	68.31 -0.83 0.00	61.06 -0.74 0.00	53.63 -0.49 0.00	45.96 -0.32 0.00	44.24 -0.31 0.00
ST_LAW_230_BK6_LBMP 345036	46.08 -0.14 0.00	41.86 -0.13 0.00	40.99 -0.12 0.00	39.80 -0.08 0.00	41.25 -0.08 0.00	46.08 -0.09 0.00	57.51 -0.35 0.00	65.09 -0.46 0.00	59.77 -0.48 0.00	58.25 -0.35 0.00	56.07 -0.28 0.00	52.51 -0.32 0.00	50.01 -0.25 0.00	48.59 -0.19 0.00	49.18 -0.25 0.00	50.02 -0.30 0.00	50.80 -0.36 0.00	55.64 -0.33 0.00	60.55 -0.67 0.00	68.31 -0.83 0.00	61.06 -0.74 0.00	53.63 -0.49 0.00	45.96 -0.32 0.00	44.24 -0.31 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	47.14 0.92 0.00	42.83 0.84 0.00	41.81 0.70 0.00	40.52 0.64 0.00	41.95 0.62 0.00	47.09 0.92 0.00	59.24 1.39 0.00	67.51 1.97 0.00	62.13 1.87 0.00	60.65 2.05 0.00	58.44 2.09 0.00	54.94 2.11 0.00	52.17 1.91 0.00	50.73 1.95 0.00	51.46 2.03 0.00	52.33 2.01 0.00	53.40 2.25 0.00	58.60 2.63 0.00	63.85 2.63 0.00	72.18 3.04 0.00	64.52 2.72 0.00	56.33 2.22 0.00	48.04 1.76 0.00	46.11 1.56 0.00
SWANROAD_115KV_TB1 355699	46.40 0.18 0.00	42.24 0.25 0.00	41.23 0.12 0.00	40.52 0.64 0.00	41.45 0.12 0.00	45.66 -0.51 0.00	56.12 -1.74 0.00	61.87 -3.67 0.00	57.49 -2.77 0.00	55.14 -3.46 0.00	52.97 -3.38 0.00	49.55 -3.28 0.00	47.59 -2.66 0.00	45.46 -3.32 0.00	46.47 -2.97 0.00	47.35 -2.97 0.00	47.06 -4.09 0.00	50.20 -5.76 0.00	55.16 -6.06 0.00	62.71 -6.43 0.00	56.12 -5.69 0.00	49.24 -4.87 0.00	42.91 -3.38 0.00	42.19 -2.36 0.00
SYNERGY___BIOGAS 323694	47.93 1.71 0.00	43.54 1.55 0.00	42.63 1.52 0.00	41.60 1.71 0.00	42.86 1.53 0.00	47.55 1.39 0.00	58.95 1.10 0.00	65.67 0.13 0.00	60.68 0.42 0.00	58.19 -0.41 0.00	55.51 -0.85 0.00	51.67 -1.16 0.00	49.60 -0.65 0.00	47.71 -1.07 0.00	48.64 -0.79 0.00	49.57 -0.75 0.00	49.41 -1.74 0.00	53.34 -2.63 0.00	58.22 -3.00 0.00	66.16 -2.97 0.00	59.33 -2.47 0.00	51.79 -2.33 0.00	44.94 -1.34 0.00	43.97 -0.58 0.00
SYRACUSE___ENERGY_ST1 323597	46.49 0.28 0.00	42.24 0.25 0.00	41.36 0.25 0.00	40.08 0.20 0.00	41.54 0.21 0.00	46.35 0.18 0.00	58.26 0.40 0.00	65.93 0.39 0.00	60.62 0.36 0.00	58.77 0.18 0.00	56.47 0.11 0.00	52.83 0.00 0.00	50.31 0.05 0.00	48.73 -0.05 0.00	49.38 -0.05 0.00	50.32 0.00 0.00	51.05 -0.10 0.00	55.75 -0.22 0.00	61.22 0.00 0.00	69.28 0.14 0.00	61.80 0.00 0.00	54.06 -0.05 0.00	46.28 0.00 0.00	44.59 0.04 0.00
SYRACUSE___ENERGY_ST2 323598	46.49 0.28 0.00	42.24 0.25 0.00	41.36 0.25 0.00	40.08 0.20 0.00	41.54 0.21 0.00	46.35 0.18 0.00	58.26 0.40 0.00	65.93 0.39 0.00	60.62 0.36 0.00	58.77 0.18 0.00	56.47 0.11 0.00	52.83 0.00 0.00	50.31 0.05 0.00	48.73 -0.05 0.00	49.38 -0.05 0.00	50.32 0.00 0.00	51.05 -0.10 0.00	55.75 -0.22 0.00	61.22 0.00 0.00	69.28 0.14 0.00	61.80 0.00 0.00	54.06 -0.05 0.00	46.28 0.00 0.00	44.59 0.04 0.00
SYRACUSE___POWER 24017	46.35 0.14 0.00	42.11 0.13 0.00	41.28 0.16 0.00	39.96 0.08 0.00	41.45 0.12 0.00	46.26 0.09 0.00	58.08 0.23 0.00	65.80 0.26 0.00	60.50 0.24 0.00	58.60 0.00 0.00	56.35 0.00 0.00	52.72 -0.11 0.00	50.21 -0.05 0.00	48.63 -0.15 0.00	49.28 -0.15 0.00	50.22 -0.10 0.00	50.95 -0.20 0.00	55.69 -0.28 0.00	61.16 -0.06 0.00	69.14 0.00 0.00	61.68 -0.12 0.00	53.95 -0.16 0.00	46.19 -0.09 0.00	44.50 -0.04 0.00
TALLMAN___138KV_BK151 55660	47.32 1.11 0.00	42.99 1.01 0.00	41.93 0.82 0.00	40.64 0.76 0.00	42.07 0.74 0.00	47.28 1.11 0.00	59.53 1.68 0.00	67.83 2.29 0.00	62.49 2.23 0.00	61.06 2.46 0.00	58.83 2.48 0.00	55.31 2.48 0.00	52.57 2.31 0.00	51.12 2.34 0.00	51.85 2.42 0.00	52.74 2.42 0.00	53.81 2.66 0.00	58.99 3.02 0.00	64.34 3.12 0.00	72.66 3.53 0.00	65.02 3.21 0.00	56.71 2.60 0.00	48.37 2.08 0.00	46.37 1.83 0.00
TEALLAVE_115KV_TB7 355573	46.22 0.00 0.00	41.99 0.00 0.00	41.15 0.04 0.00	39.84 -0.04 0.00	41.33 0.00 0.00	46.12 -0.05 0.00	57.91 0.06 0.00	65.54 0.00 0.00	60.32 0.06 0.00	58.48 -0.12 0.00	56.18 -0.17 0.00	52.56 -0.26 0.00	50.11 -0.15 0.00	48.54 -0.24 0.00	49.18 -0.25 0.00	50.07 -0.25 0.00	50.84 -0.31 0.00	55.47 -0.50 0.00	60.91 -0.31 0.00	68.93 -0.21 0.00	61.49 -0.31 0.00	53.79 -0.32 0.00	46.05 -0.23 0.00	44.37 -0.18 0.00
TELGRAPH_34_KV_EAST 80808	47.28 1.06 0.00	42.91 0.92 0.00	42.02 0.90 0.00	41.08 1.20 0.00	42.28 0.95 0.00	46.68 0.51 0.00	57.62 -0.23 0.00	63.84 -1.70 0.00	59.17 -1.08 0.00	56.78 -1.82 0.00	54.38 -1.97 0.00	50.77 -2.06 0.00	48.75 -1.51 0.00	46.73 -2.05 0.00	47.70 -1.73 0.00	48.61 -1.71 0.00	48.34 -2.81 0.00	51.88 -4.09 0.00	57.00 -4.22 0.00	64.71 -4.42 0.00	57.97 -3.83 0.00	50.71 -3.41 0.00	44.06 -2.22 0.00	43.21 -1.34 0.00
TEMPLE___115KV_TB 2 55572	46.26 0.05 0.00	42.03 0.04 0.00	41.15 0.04 0.00	39.88 0.00 0.00	41.33 0.00 0.00	46.12 -0.05 0.00	57.97 0.12 0.00	65.61 0.07 0.00	60.38 0.12 0.00	58.48 -0.12 0.00	56.24 -0.11 0.00	52.62 -0.21 0.00	50.16 -0.10 0.00	48.58 -0.20 0.00	49.23 -0.20 0.00	50.12 -0.20 0.00	50.84 -0.31 0.00	55.52 -0.45 0.00	60.98 -0.24 0.00	68.93 -0.21 0.00	61.49 -0.31 0.00	53.79 -0.32 0.00	46.05 -0.23 0.00	44.41 -0.13 0.00
TIANA____69_KV_BK 1 55817	47.60 1.39 0.00	42.91 0.92 0.00	41.65 0.53 0.00	40.04 0.16 0.00	41.54 0.21 0.00	47.14 0.97 0.00	58.55 0.69 0.00	66.98 1.44 0.00	62.07 1.81 0.00	59.77 1.17 0.00	58.16 1.80 0.00	55.00 2.17 -0.01	53.57 2.01 -1.30	53.65 2.20 -2.68	55.58 2.57 -3.58	56.74 2.72 -3.70	58.59 2.97 -4.47	62.58 3.58 -3.03	65.25 3.61 -0.42	73.16 4.01 -0.01	65.46 3.65 -0.01	60.02 3.25 -2.66	53.86 2.78 -4.80	47.36 2.81 -0.01
TILDEN___115KV_TB1 80814	46.35 0.14 0.00	42.11 0.13 0.00	41.28 0.16 0.00	39.96 0.08 0.00	41.45 0.12 0.00	46.26 0.09 0.00	58.08 0.23 0.00	65.80 0.26 0.00	60.50 0.24 0.00	58.60 0.00 0.00	56.35 0.00 0.00	52.72 -0.11 0.00	50.21 -0.05 0.00	48.63 -0.15 0.00	49.28 -0.15 0.00	50.22 -0.10 0.00	50.95 -0.20 0.00	55.69 -0.28 0.00	61.16 -0.06 0.00	69.14 0.00 0.00	61.68 -0.12 0.00	53.95 -0.16 0.00	46.19 -0.09 0.00	44.50 -0.04 0.00



TRIGEN___CC 323695	47.93 1.71 0.00	43.33 1.34 0.00	42.14 1.03 0.00	40.64 0.76 0.00	42.16 0.83 0.00	47.69 1.52 0.00	59.47 1.62 0.00	67.97 2.43 0.00	62.85 2.59 0.00	61.17 2.58 0.00	59.34 2.99 0.00	55.91 3.06 -0.02	55.39 2.81 -2.32	56.42 2.88 -4.76	58.73 2.92 -6.38	59.82 2.92 -6.58	62.29 3.17 -7.97	64.95 3.58 -5.40	65.63 3.67 -0.74	73.37 4.22 -0.02	65.65 3.83 -0.02	62.05 3.19 -4.74	57.56 2.73 -8.54	47.10 2.54 -0.02
TRINITY___115KV___4 BK 55933	46.08 -0.14 0.00	41.94 -0.04 0.00	41.07 -0.04 0.00	39.84 -0.04 0.00	41.33 0.00 0.00	46.08 -0.09 0.00	57.85 0.00 0.00	65.61 0.07 0.00	60.38 0.12 0.00	58.89 0.29 0.00	56.69 0.34 0.00	53.20 0.37 0.00	50.46 0.20 0.00	49.02 0.24 0.00	49.68 0.25 0.00	50.62 0.30 0.00	51.61 0.46 0.00	56.64 0.67 0.00	61.83 0.61 0.00	69.69 0.55 0.00	62.42 0.62 0.00	54.55 0.43 0.00	46.65 0.37 0.00	44.95 0.40 0.00
UNION___PROCESSING_DRP 323587	46.82 0.60 0.00	42.41 0.42 0.00	41.65 0.53 0.00	40.44 0.56 0.00	41.82 0.50 0.00	46.54 0.37 0.00	57.97 0.12 0.00	65.15 -0.39 0.00	60.14 -0.12 0.00	57.95 -0.64 0.00	55.57 -0.79 0.00	51.82 -1.00 0.00	49.65 -0.60 0.00	47.95 -0.83 0.00	48.74 -0.69 0.00	49.67 -0.65 0.00	49.82 -1.33 0.00	54.01 -1.96 0.00	59.32 -1.90 0.00	67.20 -1.94 0.00	60.20 -1.61 0.00	52.60 -1.52 0.00	45.31 -0.97 0.00	44.01 -0.53 0.00
UPPER HUDSON___HYD 24058	48.07 1.85 0.00	43.58 1.60 0.00	42.76 1.65 0.00	41.40 1.52 0.00	43.06 1.74 0.00	48.20 2.03 0.00	60.74 2.89 0.00	68.95 3.41 0.00	63.39 3.13 0.00	61.58 2.99 0.00	58.95 2.59 0.00	55.26 2.43 0.00	52.42 2.16 0.00	50.83 2.05 0.00	51.46 2.03 0.00	52.48 2.16 0.00	53.66 2.51 0.00	58.93 2.96 0.00	64.77 3.55 0.00	73.01 3.87 0.00	65.39 3.58 0.00	56.71 2.60 0.00	48.41 2.13 0.00	46.60 2.05 0.00
UPPER RAQUET___HYD 24056	45.43 -0.79 0.00	41.31 -0.67 0.00	40.37 -0.74 0.00	39.32 -0.56 0.00	40.79 -0.54 0.00	45.71 -0.46 0.00	57.10 -0.75 0.00	64.69 -0.85 0.00	59.18 -1.08 0.00	57.54 -1.05 0.00	55.34 -1.01 0.00	51.72 -1.11 0.00	49.30 -0.96 0.00	47.95 -0.83 0.00	48.49 -0.94 0.00	49.36 -0.96 0.00	50.07 -1.08 0.00	55.02 -0.95 0.00	59.81 -1.41 0.00	67.55 -1.59 0.00	60.32 -1.48 0.00	52.98 -1.14 0.00	45.36 -0.93 0.00	43.66 -0.89 0.00
VALLEY44_115KV_TB2 355964	47.37 1.16 0.00	42.83 0.84 0.00	42.10 0.99 0.00	41.00 1.12 0.00	42.36 1.03 0.00	46.72 0.55 0.00	58.14 0.29 0.00	64.75 -0.79 0.00	59.53 -0.72 0.00	57.01 -1.58 0.00	54.49 -1.86 0.00	50.87 -1.95 0.00	48.70 -1.56 0.00	46.63 -2.15 0.00	47.45 -1.98 0.00	48.26 -2.06 0.00	48.34 -2.81 0.00	52.00 -3.97 0.00	57.18 -4.04 0.00	64.92 -4.22 0.00	57.91 -3.89 0.00	50.60 -3.52 0.00	43.79 -2.50 0.00	43.21 -1.34 0.00
VALLEY___115KV_TB 1-4 80826	45.57 -0.65 0.00	41.48 -0.50 0.00	40.66 -0.45 0.00	39.48 -0.40 0.00	41.04 -0.29 0.00	45.89 -0.28 0.00	57.68 -0.17 0.00	65.48 -0.07 0.00	60.14 -0.12 0.00	58.36 -0.23 0.00	56.13 -0.23 0.00	52.56 -0.26 0.00	49.95 -0.30 0.00	48.49 -0.29 0.00	49.08 -0.35 0.00	49.92 -0.40 0.00	50.74 -0.41 0.00	55.52 -0.45 0.00	60.73 -0.49 0.00	68.58 -0.55 0.00	61.12 -0.68 0.00	53.25 -0.87 0.00	45.36 -0.93 0.00	43.43 -1.11 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	48.34 2.13 0.00	44.00 2.02 0.00	43.08 1.97 0.00	41.84 1.95 0.00	43.44 2.11 0.00	48.57 2.40 0.00	61.09 3.24 0.00	69.47 3.93 0.00	63.75 3.49 0.00	61.76 3.16 0.00	59.40 3.04 0.00	55.57 2.75 0.00	52.92 2.66 0.00	51.27 2.49 0.00	51.95 2.52 0.00	52.89 2.57 0.00	53.71 2.56 0.00	58.71 2.74 0.00	64.22 3.00 0.00	72.66 3.53 0.00	64.89 3.09 0.00	56.77 2.65 0.00	48.51 2.22 0.00	46.73 2.18 0.00
VISCHER___FERRY HYD 24020	47.05 0.83 0.00	42.74 0.76 0.00	41.85 0.74 0.00	40.60 0.72 0.00	42.07 0.74 0.00	47.09 0.92 0.00	58.95 1.10 0.00	66.78 1.24 0.00	61.46 1.20 0.00	59.88 1.29 0.00	57.59 1.24 0.00	54.04 1.22 0.00	51.21 0.95 0.00	49.70 0.92 0.00	50.37 0.94 0.00	51.33 1.01 0.00	52.38 1.23 0.00	57.48 1.51 0.00	62.93 1.71 0.00	70.93 1.79 0.00	63.53 1.73 0.00	55.47 1.35 0.00	47.49 1.20 0.00	45.61 1.07 0.00
V_A_10_SYNC_DSASP 323832	46.72 0.51 0.00	42.16 0.17 0.00	41.52 0.41 0.00	40.28 0.40 0.00	41.74 0.41 0.00	46.21 0.05 0.00	57.16 -0.69 0.00	63.77 -1.77 0.00	59.05 -1.20 0.00	56.84 -1.76 0.00	54.50 -1.86 0.00	50.93 -1.90 0.00	48.90 -1.35 0.00	47.07 -1.71 0.00	47.90 -1.53 0.00	48.81 -1.51 0.00	48.75 -2.40 0.00	52.72 -3.25 0.00	57.61 -3.61 0.00	65.40 -3.73 0.00	58.52 -3.28 0.00	51.52 -2.60 0.00	44.38 -1.90 0.00	43.25 -1.29 0.00
V_CMM_10_SYNC_DSASP 323787	46.26 0.05 0.00	42.07 0.08 0.00	41.15 0.04 0.00	40.00 0.12 0.00	41.45 0.12 0.00	46.31 0.14 0.00	57.80 -0.06 0.00	65.41 -0.13 0.00	60.02 -0.24 0.00	58.48 -0.12 0.00	56.30 -0.06 0.00	52.72 -0.11 0.00	50.26 0.00 0.00	48.83 0.05 0.00	49.38 -0.05 0.00	50.27 -0.05 0.00	51.05 -0.10 0.00	55.91 -0.06 0.00	60.86 -0.37 0.00	68.58 -0.56 0.00	61.31 -0.50 0.00	53.85 -0.27 0.00	46.19 -0.09 0.00	44.46 -0.09 0.00
V_CMP_10_SYNC_DSASP 323788	47.46 1.25 0.00	43.16 1.17 0.00	42.22 1.11 0.00	41.08 1.20 0.00	42.57 1.24 0.00	47.65 1.48 0.00	58.78 0.92 0.00	66.00 0.46 0.00	60.50 0.24 0.00	59.01 0.41 0.00	57.31 0.96 0.00	53.57 0.74 0.00	51.11 0.85 0.00	49.66 0.88 0.00	50.17 0.74 0.00	51.08 0.76 0.00	51.87 0.72 0.00	56.86 0.89 0.00	60.92 -0.30 0.00	68.51 -0.62 0.00	61.18 -0.62 0.00	54.33 0.22 0.00	46.93 0.65 0.00	45.08 0.54 0.00
V_D_10_SYNC_DSASP 323841	46.54 0.33 0.00	42.32 0.33 0.00	41.40 0.29 0.00	40.24 0.36 0.00	41.70 0.37 0.00	46.68 0.51 0.00	58.26 0.41 0.00	65.87 0.33 0.00	60.44 0.18 0.00	58.89 0.29 0.00	56.64 0.28 0.00	52.99 0.16 0.00	50.56 0.30 0.00	49.12 0.34 0.00	49.68 0.25 0.00	50.57 0.25 0.00	51.31 0.15 0.00	56.31 0.34 0.00	61.22 0.00 0.00	69.07 -0.07 0.00	61.68 -0.12 0.00	54.22 0.11 0.00	46.47 0.19 0.00	44.77 0.22 0.00
V_E_10_SYNC_DSASP 323830	50.19 3.98 0.00	45.81 3.82 0.00	44.85 3.74 0.00	43.63 3.75 0.00	45.42 4.09 0.00	50.88 4.71 0.00	64.27 6.42 0.00	72.94 7.40 0.00	66.41 6.15 0.00	63.46 4.86 0.00	60.52 4.17 0.00	56.37 3.54 0.00	53.72 3.46 0.00	51.95 3.17 0.00	52.60 3.17 0.00	53.69 3.37 0.00	54.53 3.38 0.00	59.94 3.97 0.00	66.24 5.02 0.00	75.57 6.43 0.00	67.18 5.37 0.00	58.50 4.38 0.00	49.80 3.52 0.00	48.02 3.48 0.00
V_F_30_NSYNC___DSASP 323816	47.83 1.62 0.00	43.42 1.43 0.00	42.55 1.44 0.00	41.20 1.31 0.00	42.81 1.49 0.00	47.88 1.71 0.00	60.17 2.32 0.00	68.17 2.62 0.00	62.67 2.41 0.00	60.94 2.35 0.00	58.49 2.14 0.00	54.83 2.01 0.00	52.01 1.76 0.00	50.44 1.66 0.00	51.11 1.68 0.00	52.13 1.81 0.00	53.20 2.05 0.00	58.43 2.46 0.00	64.04 2.82 0.00	72.25 3.11 0.00	64.71 2.91 0.00	56.28 2.17 0.00	48.14 1.85 0.00	46.33 1.78 0.00



V_F_30_SYNC_DSASP 323786	46.22 0.00 0.00	42.07 0.08 0.00	41.19 0.08 0.00	39.96 0.08 0.00	41.45 0.12 0.00	46.21 0.05 0.00	58.08 0.23 0.00	65.87 0.33 0.00	60.62 0.36 0.00	59.12 0.53 0.00	56.92 0.56 0.00	53.41 0.58 0.00	50.66 0.40 0.00	49.22 0.44 0.00	49.88 0.44 0.00	50.82 0.50 0.00	51.82 0.66 0.00	56.87 0.90 0.00	62.14 0.92 0.00	69.97 0.83 0.00	62.67 0.87 0.00	54.71 0.60 0.00	46.79 0.51 0.00	45.08 0.53 0.00
V_XM_10_SYNC_DSASP 323789	47.46 1.25 0.00	43.16 1.17 0.00	42.22 1.11 0.00	41.08 1.20 0.00	42.57 1.24 0.00	47.65 1.48 0.00	58.78 0.92 0.00	66.00 0.46 0.00	60.50 0.24 0.00	59.01 0.41 0.00	57.31 0.96 0.00	53.57 0.74 0.00	51.11 0.85 0.00	49.66 0.88 0.00	50.17 0.74 0.00	51.08 0.76 0.00	51.87 0.72 0.00	56.86 0.89 0.00	60.92 -0.30 0.00	68.51 -0.62 0.00	61.18 -0.62 0.00	54.33 0.22 0.00	46.93 0.65 0.00	45.08 0.54 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	47.46 1.25 0.00	43.12 1.13 0.00	42.10 0.99 0.00	40.76 0.88 0.00	42.20 0.87 0.00	47.41 1.25 0.00	59.70 1.85 0.00	68.10 2.56 0.00	62.67 2.41 0.00	61.29 2.70 0.00	59.06 2.70 0.00	55.52 2.69 0.00	52.72 2.46 0.00	51.32 2.54 0.00	52.05 2.62 0.00	52.94 2.62 0.00	54.02 2.86 0.00	59.22 3.25 0.00	64.59 3.37 0.00	72.94 3.80 0.00	65.20 3.40 0.00	56.93 2.81 0.00	48.51 2.22 0.00	46.55 2.00 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	47.93 1.71 0.00	43.50 1.51 0.00	42.39 1.27 0.00	41.08 1.20 0.00	42.49 1.16 0.00	47.78 1.62 0.00	60.28 2.43 0.00	68.95 3.41 0.00	63.45 3.19 0.00	62.05 3.46 0.00	59.90 3.55 0.00	56.37 3.54 0.00	53.52 3.27 0.00	52.10 3.32 0.00	52.84 3.41 0.00	53.74 3.42 0.00	54.78 3.63 0.00	60.11 4.14 0.00	65.38 4.16 0.00	73.84 4.70 0.00	66.07 4.26 0.00	57.58 3.46 0.00	49.02 2.73 0.00	47.00 2.45 0.00
W50THST__13_KV_LOAD 356117	48.11 1.89 0.00	43.62 1.64 0.00	42.51 1.40 0.00	41.32 1.44 0.00	42.73 1.41 0.00	47.97 1.80 0.00	60.69 2.83 0.00	69.47 3.93 0.00	63.93 3.68 0.00	62.40 3.81 0.00	60.30 3.94 0.00	56.84 4.01 0.00	53.92 3.67 0.00	52.54 3.76 0.00	53.24 3.81 0.00	54.15 3.82 0.00	55.19 4.04 0.00	60.50 4.53 0.00	65.75 4.53 0.00	74.25 5.12 0.00	66.44 4.64 0.00	57.79 3.68 0.00	49.20 2.92 0.00	47.18 2.63 0.00
WADING RIVER_IC_1 23522	46.95 0.74 0.00	42.32 0.33 0.00	41.11 0.00 0.00	39.52 -0.36 0.00	41.04 -0.29 0.00	46.58 0.41 0.00	57.80 -0.06 0.00	66.06 0.52 0.00	61.16 0.91 0.00	58.83 0.24 0.00	57.08 0.73 0.00	54.26 1.43 -0.01	52.81 1.26 -1.30	52.87 1.42 -2.67	54.89 1.88 -3.58	55.98 1.96 -3.70	57.82 2.20 -4.47	61.57 2.58 -3.03	64.45 2.82 -0.42	72.18 3.04 -0.01	64.66 2.84 -0.01	59.21 2.44 -2.66	53.26 2.18 -4.80	46.65 2.09 -0.01
WADING RIVER_IC_2 23547	46.95 0.74 0.00	42.32 0.33 0.00	41.11 0.00 0.00	39.52 -0.36 0.00	41.04 -0.29 0.00	46.58 0.41 0.00	57.80 -0.06 0.00	66.06 0.52 0.00	61.16 0.91 0.00	58.83 0.24 0.00	57.08 0.73 0.00	54.26 1.43 -0.01	52.81 1.26 -1.30	52.87 1.42 -2.67	54.89 1.88 -3.58	55.98 1.96 -3.70	57.82 2.20 -4.47	61.57 2.58 -3.03	64.45 2.82 -0.42	72.18 3.04 -0.01	64.66 2.84 -0.01	59.21 2.44 -2.66	53.26 2.18 -4.80	46.65 2.09 -0.01
WADING RIVER_IC_3 23601	46.95 0.74 0.00	42.32 0.33 0.00	41.11 0.00 0.00	39.52 -0.36 0.00	41.04 -0.29 0.00	46.58 0.41 0.00	57.80 -0.06 0.00	66.06 0.52 0.00	61.16 0.91 0.00	58.83 0.24 0.00	57.08 0.73 0.00	54.26 1.43 -0.01	52.81 1.26 -1.30	52.87 1.42 -2.67	54.89 1.88 -3.58	55.98 1.96 -3.70	57.82 2.20 -4.47	61.57 2.58 -3.03	64.45 2.82 -0.42	72.18 3.04 -0.01	64.66 2.84 -0.01	59.21 2.44 -2.66	53.26 2.18 -4.80	46.65 2.09 -0.01
WALDENNY_12_KV_BK2 80841	47.79 1.57 0.00	43.20 1.22 0.00	42.47 1.36 0.00	41.40 1.52 0.00	42.69 1.36 0.00	47.00 0.83 0.00	57.97 0.12 0.00	63.90 -1.64 0.00	59.53 -0.72 0.00	57.13 -1.46 0.00	54.78 -1.58 0.00	51.24 -1.58 0.00	49.20 -1.06 0.00	46.98 -1.80 0.00	48.00 -1.43 0.00	48.86 -1.46 0.00	48.59 -2.56 0.00	51.94 -4.03 0.00	57.06 -4.16 0.00	64.78 -4.36 0.00	57.97 -3.83 0.00	50.71 -3.41 0.00	44.16 -2.13 0.00	43.43 -1.11 0.00
WALDEN__HYDRO 24148	47.28 1.06 0.00	42.95 0.97 0.00	41.97 0.86 0.00	40.64 0.76 0.00	42.11 0.79 0.00	47.28 1.11 0.00	59.53 1.68 0.00	67.77 2.23 0.00	62.37 2.11 0.00	60.94 2.34 0.00	58.66 2.31 0.00	55.10 2.27 0.00	52.32 2.06 0.00	50.93 2.15 0.00	51.61 2.17 0.00	52.54 2.21 0.00	53.61 2.46 0.00	58.82 2.85 0.00	64.16 2.94 0.00	72.52 3.39 0.00	64.83 3.03 0.00	56.60 2.49 0.00	48.27 1.99 0.00	46.33 1.78 0.00
WARRENSBURG____ 23737	48.06 1.85 0.00	43.58 1.60 0.00	42.76 1.64 0.00	41.40 1.52 0.00	43.06 1.74 0.00	48.20 2.03 0.00	60.75 2.89 0.00	68.95 3.41 0.00	63.39 3.13 0.00	61.58 2.99 0.00	59.00 2.65 0.00	55.20 2.38 0.00	52.42 2.16 0.00	50.83 2.05 0.00	51.46 2.03 0.00	52.49 2.16 0.00	53.66 2.51 0.00	58.99 3.02 0.00	64.77 3.55 0.00	73.01 3.87 0.00	65.39 3.58 0.00	56.66 2.54 0.00	48.41 2.13 0.00	46.60 2.05 0.00
WATERSIDE____6 8 9 23538	47.03 1.94 1.12	42.05 1.72 1.66	40.77 1.48 1.82	41.12 1.24 0.00	42.56 1.24 0.01	46.86 1.85 1.16	60.34 2.49 0.00	69.01 3.47 0.00	63.51 3.25 0.00	62.22 3.63 0.01	60.01 3.66 0.01	56.46 3.65 0.01	57.80 3.37 -4.18	54.59 3.41 -2.39	54.69 3.51 -1.75	53.84 3.52 0.01	54.88 3.73 0.01	60.22 4.25 0.01	65.56 4.35 0.01	70.64 4.98 3.48	66.31 4.51 0.01	57.79 3.68 0.01	48.01 2.96 1.23	45.99 2.63 1.19
WATKINRD_115KV_LN8_ILLION 55919	45.34 -0.88 0.00	41.27 -0.71 0.00	40.45 -0.66 0.00	39.32 -0.56 0.00	40.87 -0.45 0.00	45.75 -0.42 0.00	57.56 -0.29 0.00	65.41 -0.13 0.00	59.96 -0.30 0.00	58.13 -0.47 0.00	55.90 -0.45 0.00	52.30 -0.53 0.00	49.75 -0.50 0.00	48.29 -0.49 0.00	48.84 -0.59 0.00	49.72 -0.60 0.00	50.49 -0.66 0.00	55.24 -0.73 0.00	60.42 -0.80 0.00	68.31 -0.83 0.00	60.75 -1.05 0.00	52.87 -1.24 0.00	44.94 -1.34 0.00	42.99 -1.56 0.00
WATSON__69_KV_BK 1 55734	48.39 2.17 0.00	43.62 1.64 0.00	42.39 1.27 0.00	40.76 0.88 0.00	42.36 1.03 0.00	48.06 1.89 0.00	59.59 1.74 0.00	68.23 2.69 0.00	63.15 2.89 0.00	61.17 2.58 0.00	59.51 3.16 0.00	56.27 3.43 -0.01	54.83 3.22 -1.36	54.84 3.27 -2.79	56.58 3.41 -3.74	57.71 3.52 -3.86	59.56 3.73 -4.67	63.50 4.37 -3.16	66.19 4.53 -0.43	74.26 5.12 -0.01	66.45 4.64 -0.01	60.84 3.95 -2.78	54.72 3.43 -5.01	47.90 3.34 -0.01
WDELAWARE__HYD 323627	47.00 0.78 0.00	42.70 0.71 0.00	41.73 0.62 0.00	40.40 0.52 0.00	41.91 0.58 0.00	47.00 0.83 0.00	59.30 1.45 0.00	67.44 1.90 0.00	62.06 1.81 0.00	60.59 1.99 0.00	58.21 1.86 0.00	54.68 1.85 0.00	51.91 1.66 0.00	50.44 1.66 0.00	51.16 1.73 0.00	52.08 1.76 0.00	53.20 2.05 0.00	58.37 2.41 0.00	63.79 2.57 0.00	72.18 3.04 0.00	64.52 2.72 0.00	56.33 2.22 0.00	48.00 1.71 0.00	46.06 1.52 0.00



WEST BABYLON___IC 23714	48.48 2.26 0.00	43.75 1.76 0.00	42.51 1.40 0.00	40.92 1.04 0.00	42.49 1.16 0.00	48.20 2.03 0.00	59.76 1.91 0.00	68.36 2.82 0.00	63.27 3.01 0.00	61.35 2.75 0.00	59.68 3.32 0.00	56.32 3.49 -0.01	55.00 3.27 -1.48	55.14 3.32 -3.04	56.97 3.46 -4.08	58.05 3.52 -4.21	59.98 3.73 -5.09	63.78 4.37 -3.45	66.22 4.53 -0.47	74.26 5.12 -0.01	66.51 4.70 -0.01	61.15 4.00 -3.03	55.26 3.52 -5.46	47.94 3.39 -0.01
WEST CANADA___HYD 24049	46.26 0.05 0.00	42.07 0.08 0.00	41.19 0.08 0.00	39.96 0.08 0.00	41.41 0.08 0.00	46.26 0.09 0.00	58.03 0.17 0.00	65.80 0.26 0.00	60.50 0.24 0.00	58.77 0.18 0.00	56.52 0.17 0.00	53.04 0.21 0.00	50.41 0.15 0.00	48.93 0.15 0.00	49.58 0.15 0.00	50.47 0.15 0.00	51.36 0.21 0.00	56.19 0.22 0.00	61.53 0.31 0.00	69.48 0.35 0.00	62.11 0.31 0.00	54.33 0.22 0.00	46.42 0.14 0.00	44.64 0.09 0.00
WESTERN_NY_WIND 24143	47.88 1.66 0.00	43.54 1.55 0.00	42.63 1.52 0.00	41.60 1.71 0.00	42.86 1.53 0.00	47.51 1.34 0.00	58.89 1.04 0.00	65.61 0.07 0.00	60.56 0.30 0.00	58.07 -0.53 0.00	55.45 -0.90 0.00	51.61 -1.22 0.00	49.55 -0.70 0.00	47.66 -1.12 0.00	48.59 -0.84 0.00	49.47 -0.86 0.00	49.31 -1.84 0.00	53.23 -2.74 0.00	58.10 -3.12 0.00	66.03 -3.11 0.00	59.21 -2.60 0.00	51.68 -2.44 0.00	44.85 -1.43 0.00	43.92 -0.62 0.00
WESTOVER___LESR 323668	47.05 0.83 0.00	42.70 0.71 0.00	41.89 0.78 0.00	40.64 0.76 0.00	42.11 0.79 0.00	46.86 0.69 0.00	58.78 0.93 0.00	66.33 0.79 0.00	60.92 0.66 0.00	58.89 0.29 0.00	56.52 0.17 0.00	52.88 0.05 0.00	50.46 0.20 0.00	48.73 -0.05 0.00	49.48 0.05 0.00	50.37 0.05 0.00	51.05 -0.10 0.00	55.63 -0.34 0.00	61.04 -0.18 0.00	69.07 -0.07 0.00	61.62 -0.19 0.00	53.95 -0.16 0.00	46.24 -0.05 0.00	44.72 0.18 0.00
WETHRSFD_WT_PWR 323626	47.23 1.02 0.00	42.70 0.71 0.00	42.01 0.90 0.00	40.72 0.84 0.00	42.28 0.95 0.00	46.72 0.56 0.00	57.91 0.06 0.00	64.29 -1.25 0.00	58.93 -1.33 0.00	56.25 -2.35 0.00	53.82 -2.53 0.00	50.35 -2.48 0.00	48.35 -1.91 0.00	46.44 -2.34 0.00	47.21 -2.22 0.00	48.21 -2.11 0.00	48.24 -2.91 0.00	52.16 -3.81 0.00	57.18 -4.04 0.00	64.23 -4.91 0.00	57.17 -4.64 0.00	50.11 -4.00 0.00	43.14 -3.15 0.00	42.23 -2.32 0.00
WHAVSTOR_138KV_BK127 55557	47.32 1.11 0.00	42.99 1.01 0.00	41.97 0.86 0.00	40.64 0.76 0.00	42.07 0.74 0.00	47.28 1.11 0.00	59.53 1.68 0.00	67.83 2.29 0.00	62.43 2.17 0.00	61.06 2.46 0.00	58.83 2.48 0.00	55.31 2.48 0.00	52.52 2.26 0.00	51.12 2.34 0.00	51.85 2.42 0.00	52.74 2.42 0.00	53.81 2.66 0.00	58.99 3.02 0.00	64.34 3.12 0.00	72.66 3.53 0.00	64.95 3.15 0.00	56.71 2.60 0.00	48.37 2.08 0.00	46.37 1.83 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	47.32 1.11 0.00	42.99 1.01 0.00	41.97 0.86 0.00	40.64 0.76 0.00	42.07 0.74 0.00	47.28 1.11 0.00	59.53 1.68 0.00	67.83 2.29 0.00	62.43 2.17 0.00	61.06 2.46 0.00	58.83 2.48 0.00	55.31 2.48 0.00	52.52 2.26 0.00	51.12 2.34 0.00	51.85 2.42 0.00	52.74 2.42 0.00	53.81 2.66 0.00	58.99 3.02 0.00	64.34 3.12 0.00	72.66 3.53 0.00	64.95 3.15 0.00	56.71 2.60 0.00	48.37 2.08 0.00	46.37 1.83 0.00
WHITEHAL_115KV_TB1 80871	48.57 2.36 0.00	44.00 2.02 0.00	43.17 2.06 0.00	41.80 1.91 0.00	43.56 2.23 0.00	48.75 2.59 0.00	61.67 3.82 0.00	69.93 4.39 0.00	64.24 3.98 0.00	62.29 3.69 0.00	59.62 3.27 0.00	55.73 2.91 0.00	52.87 2.61 0.00	51.22 2.44 0.00	51.80 2.37 0.00	52.99 2.67 0.00	54.22 3.07 0.00	59.78 3.81 0.00	65.69 4.47 0.00	74.11 4.98 0.00	66.38 4.57 0.00	57.36 3.25 0.00	48.92 2.64 0.00	47.04 2.49 0.00
WHITEPLN_13_KV_LOAD 356215	48.11 1.89 0.00	43.67 1.68 0.00	42.59 1.48 0.00	41.20 1.32 0.00	42.65 1.32 0.00	48.01 1.85 0.00	60.57 2.72 0.00	69.15 3.60 0.00	63.63 3.37 0.00	62.29 3.69 0.00	60.07 3.72 0.00	56.47 3.65 0.00	53.67 3.42 0.00	52.29 3.51 0.00	52.99 3.56 0.00	53.89 3.57 0.00	54.94 3.79 0.00	60.28 4.31 0.00	65.75 4.53 0.00	74.25 5.12 0.00	66.44 4.64 0.00	57.79 3.68 0.00	49.29 3.01 0.00	47.26 2.72 0.00
WM_FLOYD_69_KV_BK2 356380	47.51 1.29 0.00	42.87 0.88 0.00	41.60 0.49 0.00	40.00 0.12 0.00	41.54 0.21 0.00	47.18 1.02 0.00	58.49 0.64 0.00	66.85 1.31 0.00	61.88 1.63 0.00	59.71 1.11 0.00	58.16 1.80 0.00	55.00 2.17 -0.01	53.57 2.01 -1.30	53.61 2.15 -2.68	55.44 2.42 -3.59	56.54 2.52 -3.71	58.40 2.76 -4.49	62.37 3.36 -3.04	65.00 3.37 -0.42	72.95 3.80 -0.01	65.27 3.46 -0.01	59.81 3.03 -2.67	53.73 2.64 -4.81	47.18 2.63 -0.01
WOODARD___115KV_TB2 355635	46.17 -0.05 0.00	41.90 -0.08 0.00	41.07 -0.04 0.00	39.80 -0.08 0.00	41.25 -0.08 0.00	46.03 -0.14 0.00	57.80 -0.06 0.00	65.48 -0.07 0.00	60.20 -0.06 0.00	58.36 -0.23 0.00	56.13 -0.23 0.00	52.51 -0.32 0.00	50.00 -0.25 0.00	48.49 -0.29 0.00	49.13 -0.30 0.00	50.02 -0.30 0.00	50.74 -0.41 0.00	55.47 -0.50 0.00	60.85 -0.37 0.00	68.86 -0.28 0.00	61.43 -0.37 0.00	53.74 -0.38 0.00	46.01 -0.28 0.00	44.32 -0.22 0.00
YORK___WARBASSE 23770	56.44 2.31 -7.91	55.74 2.06 -11.70	55.74 1.81 -12.82	41.45 1.56 -0.01	42.96 1.57 -0.06	56.49 2.22 -8.10	60.81 2.95 -0.01	69.47 3.93 0.00	63.94 3.68 -0.01	75.84 4.04 -13.20	63.90 4.06 -3.49	89.38 3.96 -32.59	69.84 3.67 -15.92	98.77 3.71 -46.28	98.77 3.81 -45.53	98.77 3.82 -44.63	98.79 4.09 -43.55	98.96 4.59 -38.40	98.79 4.78 -32.79	99.01 5.53 -24.34	99.01 5.01 -32.20	81.79 4.00 -23.67	61.24 3.29 -11.67	58.77 2.98 -11.24