

Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

04/13/2025

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	52.72	50.63	47.23	46.57	47.49	47.42	50.03	53.52	54.26	50.60	48.70	47.04	44.26	43.00	42.41	41.55	44.50	51.99	56.94	61.88	66.72	58.96	50.99	47.97
24138	3.03	2.82	2.42	2.47	2.35	2.47	2.97	3.50	3.69	3.61	3.48	3.28	3.01	2.96	2.96	3.01	3.11	3.94	4.07	4.74	5.00	3.86	3.43	3.14
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	52.62	50.58	47.33	46.66	47.67	47.56	50.08	53.42	54.17	50.54	48.70	47.08	44.35	43.04	42.49	41.55	44.50	51.93	56.84	61.77	66.60	58.85	50.94	47.97
24260	2.93	2.77	2.51	2.56	2.53	2.61	3.01	3.40	3.59	3.52	3.48	3.33	3.09	3.00	3.04	3.01	3.10	3.84	3.96	4.63	4.88	3.75	3.38	3.14
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.08	-0.01	0.00	0.00	0.00	0.00	0.00	-0.08	-0.01	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_2	52.62	50.58	47.33	46.66	47.67	47.56	50.08	53.42	54.17	50.54	48.70	47.08	44.35	43.04	42.49	41.55	44.50	51.93	56.84	61.77	66.60	58.85	50.94	47.97
24261	2.93	2.77	2.51	2.56	2.53	2.61	3.01	3.40	3.59	3.52	3.48	3.33	3.09	3.00	3.04	3.01	3.10	3.84	3.96	4.63	4.88	3.75	3.38	3.14
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.08	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.08	-0.01	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	52.52	50.49	47.15	46.49	47.63	47.51	49.66	52.67	53.30	49.47	47.61	45.99	43.07	41.80	41.26	40.16	43.22	50.55	56.09	61.20	66.04	58.30	50.27	47.43
24011	2.83	2.68	2.33	2.38	2.48	2.56	2.59	2.65	2.73	2.53	2.40	2.23	1.82	1.76	1.81	1.62	1.82	2.54	3.22	4.06	4.32	3.20	2.71	2.60
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK RESOURCE___RCVRY	52.77	50.73	47.37	46.66	47.81	47.65	49.84	52.92	53.50	49.66	47.79	46.16	43.19	41.88	41.30	40.24	43.38	50.74	56.35	61.60	66.41	58.57	50.51	47.66
23798	3.08	2.92	2.55	2.56	2.66	2.70	2.78	2.90	2.93	2.72	2.58	2.40	1.94	1.84	1.85	1.69	1.99	2.73	3.49	4.46	4.69	3.47	2.95	2.83
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	52.52	50.49	47.15	46.49	47.63	47.51	49.66	52.67	53.30	49.47	47.61	45.99	43.07	41.80	41.26	40.16	43.22	50.55	56.09	61.20	66.04	58.30	50.27	47.43
24028	2.83	2.68	2.33	2.38	2.48	2.56	2.59	2.65	2.73	2.53	2.40	2.23	1.82	1.76	1.81	1.62	1.82	2.54	3.22	4.06	4.32	3.20	2.71	2.60
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK_NYS___DAM	51.58	49.53	46.38	45.69	46.73	46.62	48.90	51.97	52.69	49.19	47.43	45.86	42.99	41.80	41.18	40.36	43.26	50.26	55.40	60.11	64.69	57.41	49.65	46.76
23527	1.89	1.72	1.57	1.59	1.58	1.66	1.83	1.95	2.12	2.25	2.22	2.10	1.73	1.76	1.73	1.81	1.86	2.26	2.54	2.97	2.96	2.31	2.09	1.93
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	50.04	48.10	45.08	44.37	45.46	45.31	47.54	50.57	51.18	47.64	45.80	44.33	41.67	40.56	40.12	39.12	41.89	48.67	53.66	58.12	62.65	55.65	48.09	45.32
24190	0.35	0.29	0.27	0.26	0.32	0.36	0.47	0.55	0.61	0.70	0.59	0.57	0.41	0.52	0.67	0.58	0.50	0.67	0.79	0.97	0.93	0.55	0.52	0.49
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	49.69	47.86	45.00	44.28	45.15	44.95	46.83	49.62	50.22	46.56	44.99	43.62	41.05	39.84	39.21	38.20	40.90	47.38	52.07	56.00	60.74	54.82	47.28	44.78
355683	0.00	0.05	0.18	0.18	0.00	0.00	-0.24	-0.40	-0.35	-0.38	-0.23	-0.13	-0.21	-0.20	-0.24	-0.35	-0.50	-0.62	-0.79	-1.14	-0.99	-0.28	-0.29	-0.04
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	51.03	49.10	45.98	45.30	46.37	46.21	48.38	51.37	51.83	48.11	46.21	44.68	41.95	40.80	40.28	39.31	42.23	49.20	54.45	59.09	63.76	56.59	48.89	46.08
323833	1.34	1.29	1.16	1.19	1.22	1.26	1.32	1.35	1.26	1.17	0.99	0.92	0.70	0.76	0.83	0.77	0.83	1.20	1.58	1.94	2.03	1.49	1.33	1.25
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	51.03	49.05	45.98	45.30	46.32	46.17	48.38	51.32	51.83	48.11	46.21	44.68	41.95	40.80	40.28	39.31	42.23	49.20	54.45	59.09	63.76	56.59	48.89	46.08
323834	1.34	1.24	1.16	1.19	1.17	1.21	1.32	1.30	1.26	1.17	0.99	0.92	0.70	0.76	0.83	0.77	0.83	1.20	1.58	1.94	2.03	1.49	1.33	1.25
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	50.04	48.10	45.08	44.37	45.46	45.31	47.54	50.57	51.18	47.64	45.80	44.33	41.67	40.56	40.12	39.12	41.89	48.67	53.66	58.12	62.65	55.65	48.09	45.32
23571	0.35	0.29	0.27	0.26	0.32	0.36	0.47	0.55	0.61	0.70	0.59	0.57	0.41	0.52	0.67	0.58	0.50	0.67	0.79	0.97	0.93	0.55	0.52	0.49
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	50.04 0.35 0.00	48.10 0.29 0.00	45.08 0.27 0.00	44.37 0.26 0.00	45.46 0.32 0.00	45.31 0.36 0.00	47.54 0.47 0.00	50.57 0.55 0.00	51.18 0.61 0.00	47.64 0.70 0.00	45.80 0.59 0.00	44.33 0.57 0.00	41.67 0.41 0.00	40.56 0.52 0.00	40.12 0.67 0.00	39.12 0.58 0.00	41.89 0.50 0.00	48.67 0.67 0.00	53.66 0.79 0.00	58.12 0.97 0.00	62.65 0.93 0.00	55.65 0.55 0.00	48.09 0.52 0.00	45.32 0.49 0.00
ALBANY___3 23573	50.04 0.35 0.00	48.10 0.29 0.00	45.08 0.27 0.00	44.37 0.26 0.00	45.46 0.32 0.00	45.31 0.36 0.00	47.54 0.47 0.00	50.57 0.55 0.00	51.18 0.61 0.00	47.64 0.70 0.00	45.80 0.59 0.00	44.33 0.57 0.00	41.67 0.41 0.00	40.56 0.52 0.00	40.12 0.67 0.00	39.12 0.58 0.00	41.89 0.50 0.00	48.67 0.67 0.00	53.66 0.79 0.00	58.12 0.97 0.00	62.65 0.93 0.00	55.65 0.55 0.00	48.09 0.52 0.00	45.32 0.49 0.00
ALBANY___4 23574	50.04 0.35 0.00	48.10 0.29 0.00	45.08 0.27 0.00	44.37 0.26 0.00	45.46 0.32 0.00	45.31 0.36 0.00	47.54 0.47 0.00	50.57 0.55 0.00	51.18 0.61 0.00	47.64 0.70 0.00	45.80 0.59 0.00	44.33 0.57 0.00	41.67 0.41 0.00	40.56 0.52 0.00	40.12 0.67 0.00	39.12 0.58 0.00	41.89 0.50 0.00	48.67 0.67 0.00	53.66 0.79 0.00	58.12 0.97 0.00	62.65 0.93 0.00	55.65 0.55 0.00	48.09 0.52 0.00	45.32 0.49 0.00
ALBANY___LFGE 323615	50.53 0.84 0.00	48.57 0.76 0.00	45.53 0.71 0.00	44.85 0.75 0.00	45.87 0.72 0.00	45.72 0.76 0.00	48.01 0.94 0.00	51.02 1.00 0.00	51.63 1.06 0.00	48.06 1.12 0.00	46.26 1.04 0.00	44.72 0.96 0.00	42.04 0.78 0.00	40.92 0.88 0.00	40.36 0.91 0.00	39.43 0.89 0.00	42.27 0.87 0.00	49.11 1.10 0.00	54.19 1.32 0.00	58.74 1.60 0.00	63.33 1.60 0.00	56.20 1.10 0.00	48.56 1.00 0.00	45.73 0.90 0.00
ALCOA_PA_115KV_PL-6C 55860	49.74 0.05 0.00	47.95 0.14 0.00	45.22 0.40 0.00	44.50 0.40 0.00	45.19 0.05 0.00	45.04 0.09 0.00	46.88 -0.19 0.00	49.67 -0.35 0.00	50.27 -0.30 0.00	46.56 -0.38 0.00	45.17 -0.05 0.00	43.84 0.09 0.00	41.21 -0.04 0.00	39.96 -0.08 0.00	39.33 -0.12 0.00	38.31 -0.23 0.00	40.98 -0.41 0.00	47.38 -0.62 0.00	52.02 -0.85 0.00	56.06 -1.09 0.00	60.86 -0.86 0.00	54.88 -0.22 0.00	47.37 -0.19 0.00	45.01 0.18 0.00
ALCOA_RYNLDS___DRP 24188	49.74 0.05 0.00	47.95 0.14 0.00	45.22 0.40 0.00	44.50 0.40 0.00	45.19 0.05 0.00	45.04 0.09 0.00	46.88 -0.19 0.00	49.67 -0.35 0.00	50.27 -0.30 0.00	46.56 -0.38 0.00	45.17 -0.05 0.00	43.84 0.09 0.00	41.21 -0.04 0.00	39.96 -0.08 0.00	39.33 -0.12 0.00	38.31 -0.23 0.00	40.98 -0.41 0.00	47.38 -0.62 0.00	52.02 -0.85 0.00	56.06 -1.09 0.00	60.86 -0.86 0.00	54.88 -0.22 0.00	47.37 -0.19 0.00	45.01 0.18 0.00
ALCOA___DSASP 323711	49.74 0.05 0.00	47.95 0.14 0.00	45.26 0.45 0.00	44.50 0.40 0.00	45.55 0.41 0.00	45.31 0.36 0.00	46.88 -0.19 0.00	49.67 -0.35 0.00	50.27 -0.30 0.00	46.56 -0.38 0.00	45.17 -0.05 0.00	43.84 0.09 0.00	41.21 -0.04 0.00	39.96 -0.08 0.00	39.29 -0.16 0.00	38.31 -0.23 0.00	40.98 -0.41 0.00	47.38 -0.63 0.00	52.02 -0.85 0.00	56.06 -1.09 0.00	60.86 -0.86 0.00	54.88 -0.22 0.00	47.37 -0.19 0.00	45.01 0.18 0.00
ALLEGHENY___COGEN 23514	50.44 0.75 0.00	48.43 0.62 0.00	45.26 0.45 0.00	44.46 0.35 0.00	45.51 0.36 0.00	45.22 0.27 0.00	47.59 0.52 0.00	50.42 0.40 0.00	50.06 -0.51 0.00	45.67 -1.27 0.00	43.45 -1.76 0.00	42.00 -1.75 0.00	40.06 -1.20 0.00	38.60 -1.44 0.00	38.47 -0.98 0.00	37.62 -0.93 0.00	40.98 -0.41 0.00	47.28 -0.72 0.00	52.81 -0.05 0.00	58.00 0.86 0.00	63.02 1.30 0.00	55.87 0.77 0.00	48.09 0.52 0.00	44.87 0.04 0.00
ALTAMONT_115KV_TB 2 55880	50.63 0.94 0.00	48.67 0.86 0.00	45.62 0.81 0.00	44.94 0.84 0.00	46.05 0.90 0.00	45.85 0.90 0.00	48.06 0.99 0.00	51.07 1.05 0.00	51.68 1.11 0.00	48.01 1.08 0.00	46.26 1.04 0.00	44.76 1.01 0.00	42.08 0.83 0.00	40.96 0.92 0.00	40.44 0.99 0.00	39.43 0.89 0.00	42.31 0.91 0.00	49.15 1.15 0.00	54.19 1.32 0.00	58.74 1.60 0.00	63.33 1.60 0.00	56.26 1.16 0.00	48.61 1.05 0.00	45.82 0.99 0.00
ALTONA_WT_PWR 323606	50.68 0.99 0.00	48.86 1.05 0.00	45.94 1.12 0.00	45.12 1.02 0.00	46.19 1.04 0.00	45.94 0.99 0.00	47.77 0.71 0.00	50.62 0.60 0.00	51.28 0.71 0.00	47.45 0.52 0.00	45.80 0.59 0.00	44.45 0.70 0.00	41.71 0.45 0.00	40.40 0.36 0.00	39.73 0.28 0.00	38.70 0.15 0.00	41.44 0.04 0.00	48.19 0.19 0.00	52.97 0.11 0.00	57.20 0.06 0.00	62.03 0.31 0.00	55.81 0.71 0.00	47.99 0.43 0.00	45.28 0.45 0.00
AMERICAN_REF_FUEL 24010	46.21 -3.48 0.00	44.37 -3.44 0.00	41.45 -3.36 0.00	40.66 -3.44 0.00	41.53 -3.61 0.00	41.22 -3.73 0.00	43.58 -3.48 0.00	46.12 -3.90 0.00	46.02 -4.55 0.00	42.57 -4.36 0.00	40.74 -4.48 0.00	39.91 -3.85 0.00	38.37 -2.89 0.00	36.91 -3.12 0.00	36.85 -2.60 0.00	35.88 -2.66 0.00	38.96 -2.44 0.00	43.97 -4.03 0.00	48.32 -4.55 0.00	52.46 -4.68 0.00	56.60 -5.12 0.00	50.53 -4.57 0.00	43.66 -3.90 0.00	40.97 -3.86 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	48.70 -0.99 0.00	46.76 -1.05 0.00	43.70 -1.12 0.00	42.82 -1.28 0.00	43.75 -1.40 0.00	43.20 -1.75 0.00	45.94 -1.13 0.00	49.02 -1.00 0.00	49.00 -1.57 0.00	45.25 -1.69 0.00	43.45 -1.76 0.00	42.31 -1.44 0.00	40.59 -0.66 0.00	39.08 -0.96 0.00	38.86 -0.59 0.00	37.81 -0.73 0.00	41.11 -0.29 0.00	46.71 -1.29 0.00	51.33 -1.53 0.00	55.94 -1.20 0.00	60.42 -1.30 0.00	53.72 -1.38 0.00	46.28 -1.28 0.00	43.31 -1.52 0.00
ARTHUR KILL_GT_1 23520	52.48 2.78 -0.01	50.40 2.58 -0.01	49.75 2.78 -2.15	49.70 2.78 -2.81	50.32 2.66 -2.51	50.37 2.79 -2.63	51.06 3.34 -0.65	53.18 3.15 -0.01	53.87 3.29 -0.01	53.01 3.24 -2.84	51.05 3.21 -2.63	51.05 3.06 -4.23	51.00 2.81 -6.94	50.31 3.12 -7.15	50.31 3.08 -7.78	50.31 3.01 -8.76	50.35 2.90 -6.06	54.22 3.60 -2.62	56.63 3.75 -0.01	61.61 4.46 -0.01	66.42 4.69 -0.01	58.64 3.53 -0.01	51.06 3.14 -0.36	50.36 2.91 -2.62
ARTHUR_KILL_2 23512	52.38 2.68 -0.01	50.30 2.48 -0.01	49.61 2.64 -2.15	49.61 2.69 -2.81	50.23 2.57 -2.51	50.23 2.65 -2.63	50.92 3.20 -0.65	53.03 3.00 -0.01	53.77 3.19 -0.01	52.92 3.15 -2.84	50.92 3.08 -2.63	50.92 2.93 -4.23	50.92 2.72 -6.94	50.23 3.04 -7.15	50.23 3.00 -7.78	50.23 2.93 -8.76	50.23 2.77 -6.06	54.08 3.46 -2.62	56.47 3.60 -0.01	61.44 4.29 -0.01	66.23 4.50 -0.01	58.53 3.42 -0.01	50.92 3.00 -0.36	50.23 2.78 -2.62
ARTHUR_KILL_3 23513	52.22 2.53 0.00	50.25 2.44 0.00	49.07 2.11 -2.14	49.07 2.16 -2.81	49.68 2.03 -2.50	49.73 2.16 -2.62	50.30 2.59 -0.64	53.02 3.00 0.00	53.76 3.19 0.00	52.96 3.19 -2.83	50.95 3.12 -2.62	51.00 3.02 -4.22	50.95 2.76 -6.94	49.82 2.64 -7.14	49.87 2.64 -7.78	50.07 2.78 -8.75	50.30 2.85 -6.05	54.07 3.46 -2.61	56.36 3.49 0.00	61.26 4.12 0.00	65.98 4.26 0.00	58.41 3.31 0.00	50.91 3.00 -0.35	50.22 2.78 -2.61

ARTHUR_KILL_COGEN 323718	52.48 2.78 -0.01	50.40 2.58 -0.01	49.75 2.78 -2.15	49.70 2.78 -2.81	50.32 2.66 -2.51	50.37 2.79 -2.63	51.06 3.34 -0.65	53.18 3.15 -0.01	53.87 3.29 -0.01	53.01 3.24 -2.84	51.05 3.21 -2.63	51.05 3.06 -4.23	51.00 2.81 -6.94	50.31 3.12 -7.15	50.31 3.08 -7.78	50.31 3.01 -8.76	50.35 2.90 -6.06	54.22 3.60 -2.62	56.63 3.75 -0.01	61.61 4.46 -0.01	66.42 4.69 -0.01	58.64 3.53 -0.01	51.06 3.14 -0.36	50.36 2.91 -2.62
ASHOKAN____ 23654	51.63 1.94 0.00	49.58 1.77 0.00	46.43 1.61 0.00	45.78 1.68 0.00	46.73 1.58 0.00	46.62 1.66 0.00	48.90 1.83 0.00	51.82 1.80 0.00	52.49 1.92 0.00	48.67 1.74 0.00	46.57 1.36 0.00	44.89 1.14 0.00	42.08 0.82 0.00	40.84 0.80 0.00	40.20 0.75 0.00	39.35 0.81 0.00	42.39 0.99 0.00	49.83 1.82 0.00	55.03 2.17 0.00	60.11 2.97 0.00	64.87 3.15 0.00	57.31 2.21 0.00	49.47 1.90 0.00	46.58 1.75 0.00
ASTORIA_EAST_ENERGY_CC1 323581	53.08 3.38 -0.01	50.88 3.06 -0.01	47.20 2.37 -0.01	46.49 2.38 -0.01	47.46 2.30 -0.01	47.39 2.43 -0.01	49.71 2.63 -0.01	53.63 3.60 -0.01	54.32 3.74 -0.01	50.36 3.33 -0.09	48.53 3.30 -0.01	46.78 3.02 -0.01	44.03 2.76 -0.01	42.69 2.64 -0.01	42.10 2.64 -0.01	41.25 2.70 -0.01	44.39 2.98 -0.01	52.20 3.84 -0.36	56.89 4.02 -0.01	61.95 4.80 -0.01	66.79 5.06 -0.01	59.02 3.91 -0.01	51.03 3.43 -0.04	48.03 3.18 -0.01
ASTORIA_EAST_ENERGY_CC2 323582	53.08 3.38 -0.01	50.88 3.06 -0.01	47.20 2.37 -0.01	46.49 2.38 -0.01	47.46 2.30 -0.01	47.39 2.43 -0.01	49.71 2.63 -0.01	53.63 3.60 -0.01	54.32 3.74 -0.01	50.36 3.33 -0.09	48.53 3.30 -0.01	46.78 3.02 -0.01	44.03 2.76 -0.01	42.69 2.64 -0.01	42.10 2.64 -0.01	41.25 2.70 -0.01	44.39 2.98 -0.01	52.20 3.84 -0.36	56.89 4.02 -0.01	61.95 4.80 -0.01	66.79 5.06 -0.01	59.02 3.91 -0.01	51.03 3.43 -0.04	48.03 3.18 -0.01
ASTORIA_GT2_1 24094	53.08 3.38 -0.01	50.97 3.16 -0.01	47.24 2.42 -0.01	46.49 2.38 -0.01	47.59 2.44 -0.01	47.43 2.47 -0.01	49.90 2.82 -0.01	53.63 3.60 -0.01	54.32 3.74 -0.01	50.36 3.33 -0.09	48.53 3.30 -0.01	46.91 3.15 -0.01	44.19 2.93 -0.01	42.89 2.84 -0.01	42.34 2.88 -0.01	41.44 2.89 -0.01	44.34 2.94 -0.01	52.20 3.84 -0.36	56.90 4.02 -0.01	61.95 4.80 -0.01	66.79 5.06 -0.01	59.02 3.91 -0.01	51.02 3.42 -0.04	48.07 3.23 -0.01
ASTORIA_GT2_2 24095	53.08 3.38 -0.01	50.97 3.16 -0.01	47.24 2.42 -0.01	46.49 2.38 -0.01	47.59 2.44 -0.01	47.43 2.47 -0.01	49.90 2.82 -0.01	53.63 3.60 -0.01	54.32 3.74 -0.01	50.36 3.33 -0.09	48.53 3.30 -0.01	46.91 3.15 -0.01	44.19 2.93 -0.01	42.89 2.84 -0.01	42.34 2.88 -0.01	41.44 2.89 -0.01	44.34 2.94 -0.01	52.20 3.84 -0.36	56.90 4.02 -0.01	61.95 4.80 -0.01	66.79 5.06 -0.01	59.02 3.91 -0.01	51.02 3.42 -0.04	48.07 3.23 -0.01
ASTORIA_GT2_3 24096	53.08 3.38 -0.01	50.97 3.16 -0.01	47.24 2.42 -0.01	46.49 2.38 -0.01	47.59 2.44 -0.01	47.43 2.47 -0.01	49.90 2.82 -0.01	53.63 3.60 -0.01	54.32 3.74 -0.01	50.36 3.33 -0.09	48.53 3.30 -0.01	46.91 3.15 -0.01	44.19 2.93 -0.01	42.89 2.84 -0.01	42.34 2.88 -0.01	41.44 2.89 -0.01	44.34 2.94 -0.01	52.20 3.84 -0.36	56.90 4.02 -0.01	61.95 4.80 -0.01	66.79 5.06 -0.01	59.02 3.91 -0.01	51.02 3.42 -0.04	48.07 3.23 -0.01
ASTORIA_GT2_4 24097	53.08 3.38 -0.01	50.97 3.16 -0.01	47.24 2.42 -0.01	46.49 2.38 -0.01	47.59 2.44 -0.01	47.43 2.47 -0.01	49.90 2.82 -0.01	53.63 3.60 -0.01	54.32 3.74 -0.01	50.36 3.33 -0.09	48.53 3.30 -0.01	46.91 3.15 -0.01	44.19 2.93 -0.01	42.89 2.84 -0.01	42.34 2.88 -0.01	41.44 2.89 -0.01	44.34 2.94 -0.01	52.20 3.84 -0.36	56.90 4.02 -0.01	61.95 4.80 -0.01	66.79 5.06 -0.01	59.02 3.91 -0.01	51.02 3.42 -0.04	48.07 3.23 -0.01
ASTORIA_GT3_1 24098	53.08 3.38 -0.01	50.97 3.16 -0.01	47.24 2.42 -0.01	46.49 2.38 -0.01	47.59 2.44 -0.01	47.43 2.47 -0.01	49.90 2.82 -0.01	53.63 3.60 -0.01	54.32 3.74 -0.01	50.36 3.33 -0.09	48.53 3.30 -0.01	46.91 3.15 -0.01	44.19 2.93 -0.01	42.89 2.84 -0.01	42.34 2.88 -0.01	41.44 2.89 -0.01	44.34 2.94 -0.01	52.20 3.84 -0.36	56.90 4.02 -0.01	61.95 4.80 -0.01	66.79 5.06 -0.01	59.02 3.91 -0.01	51.02 3.42 -0.04	48.07 3.23 -0.01
ASTORIA_GT3_2 24099	53.08 3.38 -0.01	50.97 3.16 -0.01	47.24 2.42 -0.01	46.49 2.38 -0.01	47.59 2.44 -0.01	47.43 2.47 -0.01	49.90 2.82 -0.01	53.63 3.60 -0.01	54.32 3.74 -0.01	50.36 3.33 -0.09	48.53 3.30 -0.01	46.91 3.15 -0.01	44.19 2.93 -0.01	42.89 2.84 -0.01	42.34 2.88 -0.01	41.44 2.89 -0.01	44.34 2.94 -0.01	52.20 3.84 -0.36	56.90 4.02 -0.01	61.95 4.80 -0.01	66.79 5.06 -0.01	59.02 3.91 -0.01	51.02 3.42 -0.04	48.07 3.23 -0.01
ASTORIA_GT3_3 24100	53.08 3.38 -0.01	50.97 3.16 -0.01	47.24 2.42 -0.01	46.49 2.38 -0.01	47.59 2.44 -0.01	47.43 2.47 -0.01	49.90 2.82 -0.01	53.63 3.60 -0.01	54.32 3.74 -0.01	50.36 3.33 -0.09	48.53 3.30 -0.01	46.91 3.15 -0.01	44.19 2.93 -0.01	42.89 2.84 -0.01	42.34 2.88 -0.01	41.44 2.89 -0.01	44.34 2.94 -0.01	52.20 3.84 -0.36	56.90 4.02 -0.01	61.95 4.80 -0.01	66.79 5.06 -0.01	59.02 3.91 -0.01	51.02 3.42 -0.04	48.07 3.23 -0.01
ASTORIA_GT3_4 24101	53.08 3.38 -0.01	50.97 3.16 -0.01	47.24 2.42 -0.01	46.49 2.38 -0.01	47.59 2.44 -0.01	47.43 2.47 -0.01	49.90 2.82 -0.01	53.63 3.60 -0.01	54.32 3.74 -0.01	50.36 3.33 -0.09	48.53 3.30 -0.01	46.91 3.15 -0.01	44.19 2.93 -0.01	42.89 2.84 -0.01	42.34 2.88 -0.01	41.44 2.89 -0.01	44.34 2.94 -0.01	52.20 3.84 -0.36	56.90 4.02 -0.01	61.95 4.80 -0.01	66.79 5.06 -0.01	59.02 3.91 -0.01	51.02 3.42 -0.04	48.07 3.23 -0.01
ASTORIA_GT4_1 24102	53.08 3.38 -0.01	50.97 3.16 -0.01	47.24 2.42 -0.01	46.49 2.38 -0.01	47.59 2.44 -0.01	47.43 2.47 -0.01	49.90 2.82 -0.01	53.63 3.60 -0.01	54.32 3.74 -0.01	50.36 3.33 -0.09	48.53 3.30 -0.01	46.91 3.15 -0.01	44.19 2.93 -0.01	42.89 2.84 -0.01	42.34 2.88 -0.01	41.44 2.89 -0.01	44.34 2.94 -0.01	52.20 3.84 -0.36	56.90 4.02 -0.01	61.95 4.80 -0.01	66.79 5.06 -0.01	59.02 3.91 -0.01	51.02 3.42 -0.04	48.07 3.23 -0.01
ASTORIA_GT4_2 24103	53.08 3.38 -0.01	50.97 3.16 -0.01	47.24 2.42 -0.01	46.49 2.38 -0.01	47.59 2.44 -0.01	47.43 2.47 -0.01	49.90 2.82 -0.01	53.63 3.60 -0.01	54.32 3.74 -0.01	50.36 3.33 -0.09	48.53 3.30 -0.01	46.91 3.15 -0.01	44.19 2.93 -0.01	42.89 2.84 -0.01	42.34 2.88 -0.01	41.44 2.89 -0.01	44.34 2.94 -0.01	52.20 3.84 -0.36	56.90 4.02 -0.01	61.95 4.80 -0.01	66.79 5.06 -0.01	59.02 3.91 -0.01	51.02 3.42 -0.04	48.07 3.23 -0.01
ASTORIA_GT4_3 24104	53.08 3.38 -0.01	50.97 3.16 -0.01	47.24 2.42 -0.01	46.49 2.38 -0.01	47.59 2.44 -0.01	47.43 2.47 -0.01	49.90 2.82 -0.01	53.63 3.60 -0.01	54.32 3.74 -0.01	50.36 3.33 -0.09	48.53 3.30 -0.01	46.91 3.15 -0.01	44.19 2.93 -0.01	42.89 2.84 -0.01	42.34 2.88 -0.01	41.44 2.89 -0.01	44.34 2.94 -0.01	52.20 3.84 -0.36	56.90 4.02 -0.01	61.95 4.80 -0.01	66.79 5.06 -0.01	59.02 3.91 -0.01	51.02 3.42 -0.04	48.07 3.23 -0.01

ASTORIA_GT4_4 24105	53.08 3.38 -0.01	50.97 3.16 -0.01	47.24 2.42 -0.01	46.49 2.38 -0.01	47.59 2.44 -0.01	47.43 2.47 -0.01	49.90 2.82 -0.01	53.63 3.60 -0.01	54.32 3.74 -0.01	50.36 3.33 -0.09	48.53 3.30 -0.01	46.91 3.15 -0.01	44.19 2.93 -0.01	42.89 2.84 -0.01	42.34 2.88 -0.01	41.44 2.89 -0.01	44.34 2.94 -0.01	52.20 3.84 -0.36	56.90 4.02 -0.01	61.95 4.80 -0.01	66.79 5.06 -0.01	59.02 3.91 -0.01	51.02 3.42 -0.04	48.07 3.23 -0.01
ASTORIA_GT_1 23523	53.18 3.48 -0.01	50.97 3.15 -0.01	47.24 2.42 -0.01	46.58 2.47 -0.01	47.55 2.39 -0.01	47.43 2.47 -0.01	49.80 2.73 -0.01	53.73 3.70 -0.01	54.42 3.84 -0.01	50.45 3.42 -0.09	48.58 3.35 -0.01	46.87 3.11 -0.01	44.11 2.84 -0.01	42.73 2.68 -0.01	42.14 2.68 -0.01	41.29 2.74 -0.01	44.47 3.06 -0.01	52.30 3.94 -0.36	57.00 4.13 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.07 3.47 -0.04	48.11 3.27 -0.01
ASTORIA_GT_10 24110	52.68 2.98 -0.01	50.64 2.82 -0.01	47.38 2.55 -0.01	46.67 2.56 -0.01	47.73 2.57 -0.01	47.57 2.61 -0.01	50.11 3.01 -0.03	53.43 3.40 -0.01	54.12 3.54 -0.01	51.17 3.52 -0.71	50.02 3.44 -1.37	47.59 3.33 -0.51	45.19 3.09 -0.84	43.91 3.00 -0.87	43.43 3.04 -0.94	42.61 3.01 -1.06	45.24 3.10 -0.73	52.20 3.84 -0.36	56.84 3.96 -0.01	61.78 4.63 -0.01	66.55 4.81 -0.01	58.85 3.75 -0.01	50.98 3.38 -0.04	48.03 3.18 -0.01
ASTORIA_GT_11 24225	52.68 2.98 -0.01	50.64 2.82 -0.01	47.38 2.55 -0.01	46.67 2.56 -0.01	47.73 2.57 -0.01	47.57 2.61 -0.01	50.11 3.01 -0.03	53.43 3.40 -0.01	54.12 3.54 -0.01	51.17 3.52 -0.71	50.02 3.44 -1.37	47.59 3.33 -0.51	45.19 3.09 -0.84	43.91 3.00 -0.87	43.43 3.04 -0.94	42.61 3.01 -1.06	45.24 3.10 -0.73	52.20 3.84 -0.36	56.84 3.96 -0.01	61.78 4.63 -0.01	66.55 4.81 -0.01	58.85 3.75 -0.01	50.98 3.38 -0.04	48.03 3.18 -0.01
ASTORIA_GT_12 24226	52.68 2.98 -0.01	50.64 2.82 -0.01	47.38 2.55 -0.01	46.67 2.56 -0.01	47.73 2.57 -0.01	47.57 2.61 -0.01	50.11 3.01 -0.03	53.43 3.40 -0.01	54.12 3.54 -0.01	51.17 3.52 -0.71	50.02 3.44 -1.37	47.59 3.33 -0.51	45.19 3.09 -0.84	43.91 3.00 -0.87	43.43 3.04 -0.94	42.61 3.01 -1.06	45.24 3.10 -0.73	52.20 3.84 -0.36	56.84 3.96 -0.01	61.78 4.63 -0.01	66.55 4.81 -0.01	58.85 3.75 -0.01	50.98 3.38 -0.04	48.03 3.18 -0.01
ASTORIA_GT_13 24227	52.68 2.98 -0.01	50.64 2.82 -0.01	47.38 2.55 -0.01	46.67 2.56 -0.01	47.73 2.57 -0.01	47.57 2.61 -0.01	50.11 3.01 -0.03	53.43 3.40 -0.01	54.12 3.54 -0.01	51.17 3.52 -0.71	50.02 3.44 -1.37	47.59 3.33 -0.51	45.19 3.09 -0.84	43.91 3.00 -0.87	43.43 3.04 -0.94	42.61 3.01 -1.06	45.24 3.10 -0.73	52.20 3.84 -0.36	56.84 3.96 -0.01	61.78 4.63 -0.01	66.55 4.81 -0.01	58.85 3.75 -0.01	50.98 3.38 -0.04	48.03 3.18 -0.01
ASTORIA_GT_5 24106	53.18 3.48 -0.01	51.02 3.20 -0.01	47.29 2.46 -0.01	46.58 2.47 -0.01	47.64 2.48 -0.01	47.52 2.56 -0.01	49.99 2.92 -0.01	53.73 3.70 -0.01	54.43 3.84 -0.01	50.45 3.43 -0.09	48.58 3.35 -0.01	47.00 3.24 -0.01	44.27 3.01 -0.01	42.97 2.92 -0.01	42.42 2.96 -0.01	41.48 2.93 -0.01	44.43 3.02 -0.01	52.30 3.94 -0.36	57.00 4.12 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.13 4.02 -0.01	51.07 3.47 -0.04	48.16 3.32 -0.01
ASTORIA_GT_7 24107	53.18 3.48 -0.01	51.02 3.20 -0.01	47.29 2.46 -0.01	46.58 2.47 -0.01	47.64 2.48 -0.01	47.52 2.56 -0.01	49.99 2.92 -0.01	53.73 3.70 -0.01	54.43 3.84 -0.01	50.45 3.43 -0.09	48.58 3.35 -0.01	47.00 3.24 -0.01	44.27 3.01 -0.01	42.97 2.92 -0.01	42.42 2.96 -0.01	41.48 2.93 -0.01	44.43 3.02 -0.01	52.30 3.94 -0.36	57.00 4.12 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.13 4.02 -0.01	51.07 3.47 -0.04	48.16 3.32 -0.01
ASTORIA_GT_8 24108	53.18 3.48 -0.01	51.02 3.20 -0.01	47.29 2.46 -0.01	46.58 2.47 -0.01	47.64 2.48 -0.01	47.52 2.56 -0.01	49.99 2.92 -0.01	53.73 3.70 -0.01	54.43 3.84 -0.01	50.45 3.43 -0.09	48.58 3.35 -0.01	47.00 3.24 -0.01	44.27 3.01 -0.01	42.97 2.92 -0.01	42.42 2.96 -0.01	41.48 2.93 -0.01	44.43 3.02 -0.01	52.30 3.94 -0.36	57.00 4.12 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.13 4.02 -0.01	51.07 3.47 -0.04	48.16 3.32 -0.01
ASTORIA___2 24149	53.08 3.38 -0.01	50.88 3.06 -0.01	47.20 2.37 -0.01	46.49 2.38 -0.01	47.46 2.30 -0.01	47.39 2.43 -0.01	49.71 2.63 -0.01	53.63 3.60 -0.01	54.32 3.74 -0.01	50.36 3.33 -0.09	48.53 3.30 -0.01	46.78 3.02 -0.01	44.03 2.76 -0.01	42.69 2.64 -0.01	42.10 2.64 -0.01	41.25 2.70 -0.01	44.39 2.98 -0.01	52.20 3.84 -0.36	56.89 4.02 -0.01	61.95 4.80 -0.01	66.79 5.06 -0.01	59.02 3.91 -0.01	51.03 3.43 -0.04	48.03 3.18 -0.01
ASTORIA___3 23516	52.68 2.98 -0.01	50.64 2.82 -0.01	47.33 2.51 -0.01	46.67 2.56 -0.01	47.59 2.44 -0.01	47.52 2.56 -0.01	50.11 3.01 -0.03	53.43 3.40 -0.01	54.12 3.54 -0.01	51.17 3.52 -0.71	50.02 3.43 -1.37	47.55 3.28 -0.51	45.15 3.05 -0.84	43.83 2.92 -0.87	43.31 2.92 -0.94	42.62 3.01 -1.06	45.28 3.14 -0.73	52.20 3.84 -0.36	56.84 3.97 -0.01	61.78 4.63 -0.01	66.55 4.82 -0.01	58.86 3.75 -0.01	50.98 3.38 -0.04	47.98 3.14 -0.01
ASTORIA___4 23517	52.68 2.98 -0.01	50.64 2.82 -0.01	47.38 2.55 -0.01	46.67 2.56 -0.01	47.73 2.57 -0.01	47.57 2.61 -0.01	50.11 3.01 -0.03	53.43 3.40 -0.01	54.12 3.54 -0.01	51.17 3.52 -0.71	50.02 3.44 -1.37	47.59 3.33 -0.51	45.19 3.09 -0.84	43.91 3.00 -0.87	43.43 3.04 -0.94	42.61 3.01 -1.06	45.24 3.10 -0.73	52.20 3.84 -0.36	56.84 3.96 -0.01	61.78 4.63 -0.01	66.55 4.81 -0.01	58.85 3.75 -0.01	50.98 3.38 -0.04	48.03 3.18 -0.01
ASTORIA___5 23518	52.68 2.98 -0.01	50.64 2.82 -0.01	47.33 2.51 -0.01	46.67 2.56 -0.01	47.59 2.44 -0.01	47.52 2.56 -0.01	50.11 3.01 -0.03	53.43 3.40 -0.01	54.12 3.54 -0.01	51.17 3.52 -0.71	50.02 3.43 -1.37	47.55 3.28 -0.51	45.15 3.05 -0.84	43.83 2.92 -0.87	43.31 2.92 -0.94	42.62 3.01 -1.06	45.28 3.14 -0.73	52.20 3.84 -0.36	56.84 3.97 -0.01	61.78 4.63 -0.01	66.55 4.82 -0.01	58.86 3.75 -0.01	50.98 3.38 -0.04	47.98 3.14 -0.01
AST_ENERGY_2_CC3 323677	52.37 2.68 0.00	50.34 2.53 0.00	47.10 2.28 0.00	46.44 2.34 0.00	47.36 2.21 0.00	47.29 2.34 0.00	49.84 2.78 0.00	53.17 3.15 0.00	53.91 3.34 0.00	50.29 3.28 -0.07	48.48 3.26 0.00	46.86 3.11 0.00	44.10 2.84 0.00	42.80 2.76 0.00	42.21 2.76 0.00	41.40 2.85 0.00	44.34 2.94 0.00	51.67 3.60 -0.07	56.57 3.70 0.00	61.48 4.34 0.00	66.23 4.50 0.00	58.57 3.47 0.00	50.70 3.14 0.00	47.70 2.87 0.00
AST_ENERGY_2_CC4 323678	52.37 2.68 0.00	50.34 2.53 0.00	47.10 2.28 0.00	46.44 2.34 0.00	47.36 2.21 0.00	47.29 2.34 0.00	49.84 2.78 0.00	53.17 3.15 0.00	53.91 3.34 0.00	50.29 3.28 -0.07	48.48 3.26 0.00	46.86 3.11 0.00	44.10 2.84 0.00	42.80 2.76 0.00	42.21 2.76 0.00	41.40 2.85 0.00	44.34 2.94 0.00	51.67 3.60 -0.07	56.57 3.70 0.00	61.48 4.34 0.00	66.23 4.50 0.00	58.57 3.47 0.00	50.70 3.14 0.00	47.70 2.87 0.00

ATHENS_STG_1 23668	50.68 0.99 0.00	48.72 0.91 0.00	45.67 0.85 0.00	44.99 0.88 0.00	46.00 0.86 0.00	45.85 0.90 0.00	48.10 1.03 0.00	51.22 1.20 0.00	51.83 1.26 0.00	48.20 1.27 0.00	46.48 1.26 0.00	44.98 1.22 0.00	42.32 1.07 0.00	41.16 1.12 0.00	40.59 1.14 0.00	39.70 1.16 0.00	42.52 1.12 0.00	49.40 1.39 0.00	54.34 1.48 0.00	58.92 1.77 0.00	63.51 1.79 0.00	56.42 1.32 0.00	48.75 1.19 0.00	45.95 1.12 0.00
ATHENS_STG_2 23670	50.68 0.99 0.00	48.72 0.91 0.00	45.67 0.85 0.00	44.99 0.88 0.00	46.00 0.86 0.00	45.85 0.90 0.00	48.10 1.03 0.00	51.22 1.20 0.00	51.83 1.26 0.00	48.20 1.27 0.00	46.48 1.26 0.00	44.98 1.22 0.00	42.32 1.07 0.00	41.16 1.12 0.00	40.59 1.14 0.00	39.70 1.16 0.00	42.52 1.12 0.00	49.40 1.39 0.00	54.34 1.48 0.00	58.92 1.77 0.00	63.51 1.79 0.00	56.42 1.32 0.00	48.75 1.19 0.00	45.95 1.12 0.00
ATHENS_STG_3 23677	50.68 0.99 0.00	48.72 0.91 0.00	45.67 0.85 0.00	44.99 0.88 0.00	46.00 0.86 0.00	45.85 0.90 0.00	48.10 1.03 0.00	51.22 1.20 0.00	51.83 1.26 0.00	48.20 1.27 0.00	46.48 1.26 0.00	44.98 1.22 0.00	42.32 1.07 0.00	41.16 1.12 0.00	40.59 1.14 0.00	39.70 1.16 0.00	42.52 1.12 0.00	49.40 1.39 0.00	54.34 1.48 0.00	58.92 1.77 0.00	63.51 1.79 0.00	56.42 1.32 0.00	48.75 1.19 0.00	45.95 1.12 0.00
AUBURN___LFGE 323710	49.64 -0.05 0.00	47.86 0.05 0.00	44.77 -0.04 0.00	44.02 -0.09 0.00	45.10 -0.05 0.00	44.91 -0.04 0.00	47.16 0.09 0.00	50.22 0.20 0.00	50.67 0.10 0.00	46.89 -0.05 0.00	44.99 -0.23 0.00	43.54 -0.22 0.00	41.21 -0.04 0.00	39.88 -0.16 0.00	39.21 -0.24 0.00	38.47 -0.08 0.00	41.56 0.17 0.00	48.10 0.10 0.00	53.08 0.21 0.00	57.54 0.40 0.00	62.28 0.56 0.00	55.27 0.17 0.00	47.56 0.00 0.00	44.65 -0.18 0.00
BABYLON_RES_REC 323704	51.48 1.79 0.00	49.29 1.48 0.00	46.29 1.48 0.00	45.74 1.63 0.00	46.28 1.13 0.00	46.26 1.30 0.00	48.53 1.46 0.00	51.77 1.75 0.00	52.23 1.67 0.00	49.23 2.30 0.00	47.29 2.08 0.00	45.77 2.01 0.00	43.40 2.14 0.00	42.08 2.04 0.00	41.82 2.37 0.00	41.05 2.50 0.00	43.92 2.53 0.00	50.59 2.59 0.00	55.61 2.75 0.00	60.51 3.37 0.00	65.18 3.45 0.00	57.52 2.42 0.00	49.80 2.24 0.00	46.80 1.97 0.00
BABYLON__69_KV_BK2 356345	51.88 2.19 0.00	49.72 1.91 0.00	46.74 1.93 0.00	46.09 1.98 0.00	46.95 1.81 0.00	46.84 1.89 0.00	48.90 1.84 0.00	52.22 2.20 0.00	52.59 2.02 0.00	49.56 2.63 0.00	47.65 2.44 0.00	46.29 2.54 0.00	43.77 2.52 0.00	42.52 2.48 0.00	42.21 2.76 0.00	41.40 2.85 0.00	44.30 2.90 0.00	51.02 3.02 0.00	56.14 3.28 0.00	61.09 3.94 0.00	65.80 4.07 0.00	58.02 2.92 0.00	50.27 2.71 0.00	47.61 2.78 0.00
BALL_HILL_WT_PWR 323825	48.00 -1.69 0.00	46.04 -1.77 0.00	43.07 -1.75 0.00	42.25 -1.85 0.00	43.16 -1.99 0.00	42.71 -2.25 0.00	45.33 -1.74 0.00	48.27 -1.75 0.00	48.19 -2.38 0.00	44.49 -2.44 0.00	42.69 -2.53 0.00	41.61 -2.14 0.00	39.97 -1.28 0.00	38.47 -1.56 0.00	38.27 -1.18 0.00	37.31 -1.23 0.00	40.49 -0.91 0.00	45.94 -2.06 0.00	50.49 -2.38 0.00	54.91 -2.23 0.00	59.32 -2.41 0.00	52.79 -2.31 0.00	45.52 -2.04 0.00	42.68 -2.15 0.00
BARON_WINDS___WT_PWR 323822	48.80 -0.89 0.00	46.95 -0.86 0.00	43.87 -0.94 0.00	43.13 -0.97 0.00	44.11 -1.04 0.00	43.78 -1.17 0.00	46.27 -0.80 0.00	49.27 -0.75 0.00	49.21 -1.36 0.00	45.29 -1.64 0.00	43.36 -1.86 0.00	42.09 -1.66 0.00	40.26 -0.99 0.00	38.84 -1.20 0.00	38.54 -0.91 0.00	37.70 -0.85 0.00	40.90 -0.49 0.00	46.90 -1.10 0.00	51.65 -1.21 0.00	56.29 -0.86 0.00	60.86 -0.86 0.00	54.05 -1.05 0.00	46.56 -1.00 0.00	43.75 -1.08 0.00
BARRETT_IC_1 23704	51.23 1.54 0.00	49.15 1.34 0.00	46.16 1.34 0.00	45.61 1.50 0.00	46.14 0.99 0.00	46.12 1.17 0.00	48.43 1.37 0.00	51.62 1.60 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.20 1.99 0.00	45.64 1.88 0.00	43.19 1.94 0.00	42.00 1.96 0.00	41.62 2.17 0.00	40.86 2.31 0.00	43.63 2.23 0.00	50.35 2.35 0.00	55.18 2.32 0.00	60.06 2.91 0.00	64.69 2.96 0.00	57.08 1.98 0.00	49.47 1.90 0.00	46.58 1.75 0.00
BARRETT_IC_10 23701	51.23 1.54 0.00	49.15 1.34 0.00	46.16 1.34 0.00	45.61 1.50 0.00	46.14 0.99 0.00	46.12 1.17 0.00	48.43 1.37 0.00	51.62 1.60 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.20 1.99 0.00	45.64 1.88 0.00	43.19 1.94 0.00	42.00 1.96 0.00	41.62 2.17 0.00	40.86 2.31 0.00	43.63 2.23 0.00	50.35 2.35 0.00	55.18 2.32 0.00	60.06 2.91 0.00	64.69 2.96 0.00	57.08 1.98 0.00	49.47 1.90 0.00	46.58 1.75 0.00
BARRETT_IC_11 23702	51.23 1.54 0.00	49.15 1.34 0.00	46.16 1.34 0.00	45.61 1.50 0.00	46.14 0.99 0.00	46.12 1.17 0.00	48.43 1.37 0.00	51.62 1.60 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.20 1.99 0.00	45.64 1.88 0.00	43.19 1.94 0.00	42.00 1.96 0.00	41.62 2.17 0.00	40.86 2.31 0.00	43.63 2.23 0.00	50.35 2.35 0.00	55.18 2.32 0.00	60.06 2.91 0.00	64.69 2.96 0.00	57.08 1.98 0.00	49.47 1.90 0.00	46.58 1.75 0.00
BARRETT_IC_12 23703	51.23 1.54 0.00	49.15 1.34 0.00	46.16 1.34 0.00	45.61 1.50 0.00	46.14 0.99 0.00	46.12 1.17 0.00	48.43 1.37 0.00	51.62 1.60 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.20 1.99 0.00	45.64 1.88 0.00	43.19 1.94 0.00	42.00 1.96 0.00	41.62 2.17 0.00	40.86 2.31 0.00	43.63 2.23 0.00	50.35 2.35 0.00	55.18 2.32 0.00	60.06 2.91 0.00	64.69 2.96 0.00	57.08 1.98 0.00	49.47 1.90 0.00	46.58 1.75 0.00
BARRETT_IC_2 23705	51.23 1.54 0.00	49.15 1.34 0.00	46.16 1.34 0.00	45.61 1.50 0.00	46.14 0.99 0.00	46.12 1.17 0.00	48.43 1.37 0.00	51.62 1.60 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.20 1.99 0.00	45.64 1.88 0.00	43.19 1.94 0.00	42.00 1.96 0.00	41.62 2.17 0.00	40.86 2.31 0.00	43.63 2.23 0.00	50.35 2.35 0.00	55.18 2.32 0.00	60.06 2.91 0.00	64.69 2.96 0.00	57.08 1.98 0.00	49.47 1.90 0.00	46.58 1.75 0.00
BARRETT_IC_3 23706	51.23 1.54 0.00	49.15 1.34 0.00	46.16 1.34 0.00	45.61 1.50 0.00	46.14 0.99 0.00	46.12 1.17 0.00	48.43 1.37 0.00	51.62 1.60 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.20 1.99 0.00	45.64 1.88 0.00	43.19 1.94 0.00	42.00 1.96 0.00	41.62 2.17 0.00	40.86 2.31 0.00	43.63 2.23 0.00	50.35 2.35 0.00	55.18 2.32 0.00	60.06 2.91 0.00	64.69 2.96 0.00	57.08 1.98 0.00	49.47 1.90 0.00	46.58 1.75 0.00
BARRETT_IC_4 23707	51.23 1.54 0.00	49.15 1.34 0.00	46.16 1.34 0.00	45.61 1.50 0.00	46.14 0.99 0.00	46.12 1.17 0.00	48.43 1.37 0.00	51.62 1.60 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.20 1.99 0.00	45.64 1.88 0.00	43.19 1.94 0.00	42.00 1.96 0.00	41.62 2.17 0.00	40.86 2.31 0.00	43.63 2.23 0.00	50.35 2.35 0.00	55.18 2.32 0.00	60.06 2.91 0.00	64.69 2.96 0.00	57.08 1.98 0.00	49.47 1.90 0.00	46.58 1.75 0.00

BARRETT_IC_5 23708	51.23 1.54 0.00	49.15 1.34 0.00	46.16 1.34 0.00	45.61 1.50 0.00	46.14 0.99 0.00	46.12 1.17 0.00	48.43 1.37 0.00	51.62 1.60 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.20 1.99 0.00	45.64 1.88 0.00	43.19 1.94 0.00	42.00 1.96 0.00	41.62 2.17 0.00	40.86 2.31 0.00	43.63 2.23 0.00	50.35 2.35 0.00	55.18 2.32 0.00	60.06 2.91 0.00	64.69 2.96 0.00	57.08 1.98 0.00	49.47 1.90 0.00	46.58 1.75 0.00
BARRETT_IC_6 23709	51.23 1.54 0.00	49.15 1.34 0.00	46.16 1.34 0.00	45.61 1.50 0.00	46.14 0.99 0.00	46.12 1.17 0.00	48.43 1.37 0.00	51.62 1.60 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.20 1.99 0.00	45.64 1.88 0.00	43.19 1.94 0.00	42.00 1.96 0.00	41.62 2.17 0.00	40.86 2.31 0.00	43.63 2.23 0.00	50.35 2.35 0.00	55.18 2.32 0.00	60.06 2.91 0.00	64.69 2.96 0.00	57.08 1.98 0.00	49.47 1.90 0.00	46.58 1.75 0.00
BARRETT_IC_7 23710	51.23 1.54 0.00	49.20 1.39 0.00	46.25 1.43 0.00	45.60 1.50 0.00	46.46 1.31 0.00	46.35 1.39 0.00	48.43 1.36 0.00	51.62 1.60 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.20 1.99 0.00	45.73 1.97 0.00	43.23 1.98 0.00	42.08 2.04 0.00	41.74 2.29 0.00	40.86 2.31 0.00	43.59 2.19 0.00	50.35 2.35 0.00	55.19 2.33 0.00	60.06 2.91 0.00	64.69 2.96 0.00	57.08 1.98 0.00	49.51 1.95 0.00	46.85 2.02 0.00
BARRETT_IC_8 23711	51.23 1.54 0.00	49.15 1.34 0.00	46.16 1.34 0.00	45.61 1.50 0.00	46.14 0.99 0.00	46.12 1.17 0.00	48.43 1.37 0.00	51.62 1.60 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.20 1.99 0.00	45.64 1.88 0.00	43.19 1.94 0.00	42.00 1.96 0.00	41.62 2.17 0.00	40.86 2.31 0.00	43.63 2.23 0.00	50.35 2.35 0.00	55.18 2.32 0.00	60.06 2.91 0.00	64.69 2.96 0.00	57.08 1.98 0.00	49.47 1.90 0.00	46.58 1.75 0.00
BARRETT_IC_9 23700	51.23 1.54 0.00	49.15 1.34 0.00	46.16 1.34 0.00	45.61 1.50 0.00	46.14 0.99 0.00	46.12 1.17 0.00	48.43 1.37 0.00	51.62 1.60 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.20 1.99 0.00	45.64 1.88 0.00	43.19 1.94 0.00	42.00 1.96 0.00	41.62 2.17 0.00	40.86 2.31 0.00	43.63 2.23 0.00	50.35 2.35 0.00	55.18 2.32 0.00	60.06 2.91 0.00	64.69 2.96 0.00	57.08 1.98 0.00	49.47 1.90 0.00	46.58 1.75 0.00
BARRETT___1 23545	51.23 1.54 0.00	49.15 1.34 0.00	46.16 1.34 0.00	45.61 1.50 0.00	46.14 0.99 0.00	46.12 1.17 0.00	48.43 1.37 0.00	51.62 1.60 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.20 1.99 0.00	45.64 1.88 0.00	43.19 1.94 0.00	42.00 1.96 0.00	41.62 2.17 0.00	40.86 2.31 0.00	43.63 2.23 0.00	50.35 2.35 0.00	55.18 2.32 0.00	60.06 2.91 0.00	64.69 2.96 0.00	57.08 1.98 0.00	49.47 1.90 0.00	46.58 1.75 0.00
BARRETT___2 23546	51.23 1.54 0.00	49.15 1.34 0.00	46.16 1.34 0.00	45.61 1.50 0.00	46.14 0.99 0.00	46.12 1.17 0.00	48.43 1.37 0.00	51.62 1.60 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.20 1.99 0.00	45.64 1.88 0.00	43.19 1.94 0.00	42.00 1.96 0.00	41.62 2.17 0.00	40.86 2.31 0.00	43.63 2.23 0.00	50.35 2.35 0.00	55.18 2.32 0.00	60.06 2.91 0.00	64.69 2.96 0.00	57.08 1.98 0.00	49.47 1.90 0.00	46.58 1.75 0.00
BATAVIA__115KV_TB1 55881	48.25 -1.44 0.00	46.28 -1.53 0.00	43.25 -1.57 0.00	42.43 -1.68 0.00	43.48 -1.67 0.00	43.11 -1.84 0.00	45.42 -1.65 0.00	48.17 -1.85 0.00	48.14 -2.43 0.00	44.40 -2.53 0.00	42.41 -2.80 0.00	41.35 -2.41 0.00	39.44 -1.82 0.00	37.95 -2.08 0.00	37.28 -2.17 0.00	37.00 -1.54 0.00	40.36 -1.03 0.00	45.75 -2.26 0.00	50.59 -2.27 0.00	55.03 -2.11 0.00	59.44 -2.28 0.00	52.95 -2.15 0.00	45.71 -1.85 0.00	42.50 -2.33 0.00
BAYONEEC___CTG1 323682	52.32 2.63 0.00	50.34 2.53 0.00	47.06 2.24 0.00	46.40 2.29 0.00	47.31 2.17 0.00	47.24 2.29 0.00	49.80 2.73 0.00	53.12 3.10 0.00	53.86 3.29 0.00	50.29 3.28 -0.07	48.43 3.21 0.00	46.82 3.06 0.00	44.10 2.84 0.00	42.76 2.72 0.00	42.17 2.72 0.00	41.36 2.81 0.00	44.34 2.94 0.00	51.62 3.55 -0.07	56.51 3.64 0.00	61.37 4.23 0.00	66.17 4.45 0.00	58.52 3.42 0.00	50.65 3.09 0.00	47.70 2.87 0.00
BAYONEEC___CTG10 323750	52.32 2.63 0.00	50.34 2.53 0.00	47.06 2.24 0.00	46.40 2.29 0.00	47.31 2.17 0.00	47.24 2.29 0.00	49.80 2.73 0.00	53.12 3.10 0.00	53.86 3.29 0.00	50.29 3.28 -0.07	48.43 3.21 0.00	46.82 3.06 0.00	44.10 2.84 0.00	42.76 2.72 0.00	42.17 2.72 0.00	41.36 2.81 0.00	44.34 2.94 0.00	51.62 3.55 -0.07	56.51 3.64 0.00	61.37 4.23 0.00	66.17 4.45 0.00	58.52 3.42 0.00	50.65 3.09 0.00	47.70 2.87 0.00
BAYONEEC___CTG2 323683	52.32 2.63 0.00	50.34 2.53 0.00	47.06 2.24 0.00	46.40 2.29 0.00	47.31 2.17 0.00	47.24 2.29 0.00	49.80 2.73 0.00	53.12 3.10 0.00	53.86 3.29 0.00	50.29 3.28 -0.07	48.43 3.21 0.00	46.82 3.06 0.00	44.10 2.84 0.00	42.76 2.72 0.00	42.17 2.72 0.00	41.36 2.81 0.00	44.34 2.94 0.00	51.62 3.55 -0.07	56.51 3.64 0.00	61.37 4.23 0.00	66.17 4.45 0.00	58.52 3.42 0.00	50.65 3.09 0.00	47.70 2.87 0.00
BAYONEEC___CTG3 323684	52.32 2.63 0.00	50.34 2.53 0.00	47.06 2.24 0.00	46.40 2.29 0.00	47.31 2.17 0.00	47.24 2.29 0.00	49.80 2.73 0.00	53.12 3.10 0.00	53.86 3.29 0.00	50.29 3.28 -0.07	48.43 3.21 0.00	46.82 3.06 0.00	44.10 2.84 0.00	42.76 2.72 0.00	42.17 2.72 0.00	41.36 2.81 0.00	44.34 2.94 0.00	51.62 3.55 -0.07	56.51 3.64 0.00	61.37 4.23 0.00	66.17 4.45 0.00	58.52 3.42 0.00	50.65 3.09 0.00	47.70 2.87 0.00
BAYONEEC___CTG4 323685	52.32 2.63 0.00	50.34 2.53 0.00	47.06 2.24 0.00	46.40 2.29 0.00	47.31 2.17 0.00	47.24 2.29 0.00	49.80 2.73 0.00	53.12 3.10 0.00	53.86 3.29 0.00	50.29 3.28 -0.07	48.43 3.21 0.00	46.82 3.06 0.00	44.10 2.84 0.00	42.76 2.72 0.00	42.17 2.72 0.00	41.36 2.81 0.00	44.34 2.94 0.00	51.62 3.55 -0.07	56.51 3.64 0.00	61.37 4.23 0.00	66.17 4.45 0.00	58.52 3.42 0.00	50.65 3.09 0.00	47.70 2.87 0.00
BAYONEEC___CTG5 323686	52.32 2.63 0.00	50.34 2.53 0.00	47.06 2.24 0.00	46.40 2.29 0.00	47.31 2.17 0.00	47.24 2.29 0.00	49.80 2.73 0.00	53.12 3.10 0.00	53.86 3.29 0.00	50.29 3.28 -0.07	48.43 3.21 0.00	46.82 3.06 0.00	44.10 2.84 0.00	42.76 2.72 0.00	42.17 2.72 0.00	41.36 2.81 0.00	44.34 2.94 0.00	51.62 3.55 -0.07	56.51 3.64 0.00	61.37 4.23 0.00	66.17 4.45 0.00	58.52 3.42 0.00	50.65 3.09 0.00	47.70 2.87 0.00
BAYONEEC___CTG6 323687	52.32 2.63 0.00	50.34 2.53 0.00	47.06 2.24 0.00	46.40 2.29 0.00	47.31 2.17 0.00	47.24 2.29 0.00	49.80 2.73 0.00	53.12 3.10 0.00	53.86 3.29 0.00	50.29 3.28 -0.07	48.43 3.21 0.00	46.82 3.06 0.00	44.10 2.84 0.00	42.76 2.72 0.00	42.17 2.72 0.00	41.36 2.81 0.00	44.34 2.94 0.00	51.62 3.55 -0.07	56.51 3.64 0.00	61.37 4.23 0.00	66.17 4.45 0.00	58.52 3.42 0.00	50.65 3.09 0.00	47.70 2.87 0.00

BAYONEEC___CTG7 323688	52.32 2.63 0.00	50.34 2.53 0.00	47.06 2.24 0.00	46.40 2.29 0.00	47.31 2.17 0.00	47.24 2.29 0.00	49.80 2.73 0.00	53.12 3.10 0.00	53.86 3.29 0.00	50.29 3.28 -0.07	48.43 3.21 0.00	46.82 3.06 0.00	44.10 2.84 0.00	42.76 2.72 0.00	42.17 2.72 0.00	41.36 2.81 0.00	44.34 2.94 0.00	51.62 3.55 -0.07	56.51 3.64 0.00	61.37 4.23 0.00	66.17 4.45 0.00	58.52 3.42 0.00	50.65 3.09 0.00	47.70 2.87 0.00
BAYONEEC___CTG8 323689	52.32 2.63 0.00	50.34 2.53 0.00	47.06 2.24 0.00	46.40 2.29 0.00	47.31 2.17 0.00	47.24 2.29 0.00	49.80 2.73 0.00	53.12 3.10 0.00	53.86 3.29 0.00	50.29 3.28 -0.07	48.43 3.21 0.00	46.82 3.06 0.00	44.10 2.84 0.00	42.76 2.72 0.00	42.17 2.72 0.00	41.36 2.81 0.00	44.34 2.94 0.00	51.62 3.55 -0.07	56.51 3.64 0.00	61.37 4.23 0.00	66.17 4.45 0.00	58.52 3.42 0.00	50.65 3.09 0.00	47.70 2.87 0.00
BAYONEEC___CTG9 323749	52.32 2.63 0.00	50.34 2.53 0.00	47.06 2.24 0.00	46.40 2.29 0.00	47.31 2.17 0.00	47.24 2.29 0.00	49.80 2.73 0.00	53.12 3.10 0.00	53.86 3.29 0.00	50.29 3.28 -0.07	48.43 3.21 0.00	46.82 3.06 0.00	44.10 2.84 0.00	42.76 2.72 0.00	42.17 2.72 0.00	41.36 2.81 0.00	44.34 2.94 0.00	51.62 3.55 -0.07	56.51 3.64 0.00	61.37 4.23 0.00	66.17 4.45 0.00	58.52 3.42 0.00	50.65 3.09 0.00	47.70 2.87 0.00
BEACON___LESR 323632	50.83 1.14 0.00	48.86 1.05 0.00	45.76 0.94 0.00	45.12 1.02 0.00	46.14 0.99 0.00	45.99 1.03 0.00	48.29 1.22 0.00	51.32 1.30 0.00	51.94 1.37 0.00	48.34 1.41 0.00	46.53 1.31 0.00	44.98 1.22 0.00	42.24 0.99 0.00	41.08 1.04 0.00	40.55 1.10 0.00	39.58 1.04 0.00	42.47 1.07 0.00	49.40 1.39 0.00	54.56 1.69 0.00	59.20 2.05 0.00	63.82 2.10 0.00	56.53 1.43 0.00	48.85 1.28 0.00	45.99 1.16 0.00
BEAVER RIVER___HYD 24048	49.89 0.20 0.00	48.00 0.19 0.00	45.04 0.23 0.00	44.33 0.22 0.00	45.51 0.36 0.00	45.22 0.27 0.00	47.16 0.09 0.00	50.07 0.05 0.00	50.37 -0.20 0.00	46.56 -0.38 0.00	44.76 -0.45 0.00	43.19 -0.57 0.00	40.64 -0.62 0.00	39.00 -1.04 0.00	38.30 -1.15 0.00	37.46 -1.08 0.00	40.36 -1.03 0.00	47.04 -0.96 0.00	52.12 -0.74 0.00	57.14 0.00 0.00	61.97 0.25 0.00	55.16 0.06 0.00	47.33 -0.24 0.00	44.61 -0.22 0.00
BEEBEE_GT_13 23619	48.65 -1.04 0.00	46.71 -1.10 0.00	43.70 -1.12 0.00	42.91 -1.19 0.00	43.93 -1.22 0.00	43.69 -1.26 0.00	45.89 -1.18 0.00	48.77 -1.25 0.00	49.00 -1.57 0.00	45.34 -1.60 0.00	43.41 -1.81 0.00	42.22 -1.53 0.00	40.10 -1.16 0.00	38.68 -1.36 0.00	38.03 -1.42 0.00	37.54 -1.00 0.00	40.69 -0.70 0.00	46.56 -1.44 0.00	51.44 -1.43 0.00	55.77 -1.37 0.00	60.30 -1.42 0.00	53.67 -1.43 0.00	46.28 -1.28 0.00	43.26 -1.57 0.00
BENSHRST_27_KV_BENSHRST_1 355998	53.03 3.33 -0.01	50.93 3.11 -0.01	49.97 3.00 -2.15	49.96 3.04 -2.81	50.68 3.02 -2.51	50.68 3.10 -2.63	51.20 3.48 -0.65	53.78 3.75 -0.01	54.53 3.94 -0.01	54.16 3.85 -3.37	52.90 3.80 -3.89	51.97 3.63 -4.58	52.16 3.38 -7.52	51.03 3.24 -7.75	51.16 3.27 -8.43	51.31 3.28 -9.49	51.35 3.39 -6.56	55.04 4.22 -2.81	57.27 4.39 -0.01	62.35 5.20 -0.01	67.22 5.49 -0.01	59.35 4.24 -0.01	51.65 3.71 -0.37	50.90 3.45 -2.62
BETHLEHEM___GRP 23843	50.04 0.35 0.00	48.10 0.29 0.00	45.08 0.27 0.00	44.37 0.26 0.00	45.46 0.32 0.00	45.31 0.36 0.00	47.54 0.47 0.00	50.57 0.55 0.00	51.18 0.61 0.00	47.64 0.70 0.00	45.80 0.59 0.00	44.33 0.57 0.00	41.67 0.41 0.00	40.56 0.52 0.00	40.12 0.67 0.00	39.12 0.58 0.00	41.89 0.50 0.00	48.67 0.67 0.00	53.66 0.79 0.00	58.12 0.97 0.00	62.65 0.93 0.00	55.65 0.55 0.00	48.09 0.52 0.00	45.32 0.49 0.00
BETHLEHEM___GS1 323560	50.04 0.35 0.00	48.10 0.29 0.00	45.09 0.27 0.00	44.37 0.27 0.00	45.42 0.27 0.00	45.27 0.32 0.00	47.54 0.47 0.00	50.57 0.55 0.00	51.18 0.61 0.00	47.64 0.71 0.00	45.80 0.59 0.00	44.28 0.53 0.00	41.62 0.37 0.00	40.56 0.52 0.00	40.00 0.55 0.00	39.12 0.58 0.00	41.90 0.50 0.00	48.67 0.67 0.00	53.71 0.84 0.00	58.11 0.97 0.00	62.65 0.93 0.00	55.65 0.55 0.00	48.09 0.52 0.00	45.28 0.45 0.00
BETHLEHEM___GS2 323561	50.04 0.35 0.00	48.10 0.29 0.00	45.09 0.27 0.00	44.37 0.27 0.00	45.42 0.27 0.00	45.27 0.32 0.00	47.54 0.47 0.00	50.57 0.55 0.00	51.18 0.61 0.00	47.64 0.71 0.00	45.80 0.59 0.00	44.28 0.53 0.00	41.62 0.37 0.00	40.56 0.52 0.00	40.00 0.55 0.00	39.12 0.58 0.00	41.90 0.50 0.00	48.67 0.67 0.00	53.71 0.84 0.00	58.11 0.97 0.00	62.65 0.93 0.00	55.65 0.55 0.00	48.09 0.52 0.00	45.28 0.45 0.00
BETHLEHEM___GS3 323562	50.04 0.35 0.00	48.10 0.29 0.00	45.09 0.27 0.00	44.37 0.27 0.00	45.42 0.27 0.00	45.27 0.32 0.00	47.54 0.47 0.00	50.57 0.55 0.00	51.18 0.61 0.00	47.64 0.71 0.00	45.80 0.59 0.00	44.28 0.53 0.00	41.62 0.37 0.00	40.56 0.52 0.00	40.00 0.55 0.00	39.12 0.58 0.00	41.90 0.50 0.00	48.67 0.67 0.00	53.71 0.84 0.00	58.11 0.97 0.00	62.65 0.93 0.00	55.65 0.55 0.00	48.09 0.52 0.00	45.28 0.45 0.00
BETHLEHEM___STEEL 23779	47.70 -1.99 0.00	45.80 -2.01 0.00	42.80 -2.02 0.00	41.94 -2.16 0.00	42.93 -2.21 0.00	42.48 -2.47 0.00	45.00 -2.07 0.00	47.82 -2.20 0.00	47.74 -2.83 0.00	44.12 -2.82 0.00	42.28 -2.94 0.00	41.22 -2.54 0.00	39.52 -1.73 0.00	37.95 -2.08 0.00	37.32 -2.13 0.00	37.04 -1.50 0.00	40.36 -1.03 0.00	45.55 -2.45 0.00	50.06 -2.80 0.00	54.46 -2.69 0.00	58.76 -2.96 0.00	52.34 -2.76 0.00	45.19 -2.38 0.00	42.14 -2.69 0.00
BETHLHEM_115KV_TB1 79974	50.14 0.45 0.00	48.24 0.43 0.00	45.17 0.36 0.00	44.50 0.40 0.00	45.60 0.45 0.00	45.45 0.49 0.00	47.63 0.56 0.00	50.67 0.65 0.00	51.28 0.71 0.00	47.73 0.80 0.00	45.90 0.68 0.00	44.41 0.66 0.00	41.75 0.50 0.00	40.68 0.64 0.00	40.20 0.75 0.00	39.20 0.66 0.00	41.98 0.58 0.00	48.77 0.77 0.00	53.76 0.90 0.00	58.23 1.09 0.00	62.77 1.05 0.00	55.76 0.66 0.00	48.18 0.62 0.00	45.41 0.58 0.00
BETHPAGE_CC_5 323564	51.38 1.69 0.00	49.24 1.43 0.00	46.21 1.39 0.00	45.65 1.54 0.00	46.23 1.08 0.00	46.21 1.26 0.00	48.48 1.41 0.00	51.77 1.75 0.00	52.28 1.72 0.00	49.28 2.35 0.00	47.34 2.13 0.00	45.77 2.01 0.00	43.44 2.18 0.00	42.16 2.12 0.00	41.86 2.41 0.00	41.09 2.54 0.00	43.92 2.53 0.00	50.59 2.59 0.00	55.50 2.64 0.00	60.40 3.26 0.00	64.99 3.27 0.00	57.41 2.31 0.00	49.71 2.14 0.00	46.71 1.88 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	47.75 -1.94 0.00	45.85 -1.96 0.00	42.84 -1.97 0.00	42.03 -2.07 0.00	42.98 -2.17 0.00	42.52 -2.43 0.00	45.09 -1.98 0.00	47.97 -2.05 0.00	47.84 -2.73 0.00	44.21 -2.72 0.00	42.41 -2.80 0.00	41.35 -2.41 0.00	39.60 -1.65 0.00	38.04 -2.00 0.00	37.40 -2.05 0.00	37.12 -1.43 0.00	40.45 -0.95 0.00	45.65 -2.35 0.00	50.22 -2.64 0.00	54.63 -2.51 0.00	58.95 -2.78 0.00	52.51 -2.59 0.00	45.28 -2.28 0.00	42.23 -2.60 0.00

BINGHAMTON___COGEN 23790	49.64 -0.05 0.00	47.81 0.00 0.00	44.73 -0.09 0.00	44.02 -0.09 0.00	45.10 -0.05 0.00	44.91 -0.04 0.00	47.16 0.09 0.00	50.27 0.25 0.00	50.67 0.10 0.00	46.84 -0.09 0.00	45.08 -0.14 0.00	43.58 -0.18 0.00	41.34 0.08 0.00	40.00 -0.04 0.00	39.37 -0.08 0.00	38.58 0.04 0.00	41.69 0.29 0.00	48.10 0.10 0.00	52.92 0.05 0.00	57.49 0.34 0.00	62.09 0.37 0.00	55.16 0.06 0.00	47.52 -0.05 0.00	44.70 -0.13 0.00
BIXINCNT_115KV_LOAD 355685	48.10 -1.59 0.00	46.09 -1.72 0.00	43.11 -1.70 0.00	42.25 -1.85 0.00	43.21 -1.94 0.00	42.79 -2.16 0.00	45.47 -1.60 0.00	48.57 -1.45 0.00	48.50 -2.07 0.00	44.78 -2.16 0.00	42.96 -2.26 0.00	41.79 -1.97 0.00	40.06 -1.20 0.00	38.48 -1.56 0.00	37.83 -1.62 0.00	37.46 -1.08 0.00	40.82 -0.58 0.00	46.23 -1.78 0.00	50.80 -2.06 0.00	55.37 -1.77 0.00	59.75 -1.98 0.00	53.12 -1.98 0.00	45.80 -1.76 0.00	42.72 -2.11 0.00
BLACK RIVER___HYD 24047	50.14 0.45 0.00	48.24 0.43 0.00	45.22 0.40 0.00	44.50 0.40 0.00	45.69 0.54 0.00	45.36 0.40 0.00	47.40 0.33 0.00	50.32 0.30 0.00	50.52 -0.05 0.00	46.61 -0.33 0.00	44.81 -0.41 0.00	43.10 -0.66 0.00	40.59 -0.66 0.00	39.00 -1.04 0.00	38.27 -1.18 0.00	37.46 -1.08 0.00	40.45 -0.95 0.00	47.28 -0.72 0.00	52.55 -0.32 0.00	57.88 0.74 0.00	62.84 1.11 0.00	55.71 0.61 0.00	47.71 0.14 0.00	44.83 0.00 0.00
BLACKRVR_115KV_TB2 79977	50.14 0.45 0.00	48.24 0.43 0.00	45.22 0.40 0.00	44.50 0.40 0.00	45.64 0.50 0.00	45.31 0.36 0.00	47.40 0.33 0.00	50.32 0.30 0.00	50.52 -0.05 0.00	46.61 -0.33 0.00	44.81 -0.41 0.00	43.10 -0.66 0.00	40.59 -0.66 0.00	39.00 -1.04 0.00	38.23 -1.22 0.00	37.46 -1.08 0.00	40.45 -0.95 0.00	47.28 -0.72 0.00	52.60 -0.26 0.00	57.89 0.74 0.00	62.83 1.11 0.00	55.71 0.61 0.00	47.71 0.14 0.00	44.83 0.00 0.00
BLISS_WT_PWR 323608	48.05 -1.64 0.00	46.09 -1.72 0.00	43.07 -1.75 0.00	42.21 -1.90 0.00	43.16 -1.99 0.00	42.75 -2.20 0.00	45.47 -1.60 0.00	48.57 -1.45 0.00	48.49 -2.08 0.00	44.78 -2.16 0.00	43.00 -2.21 0.00	41.83 -1.92 0.00	40.18 -1.07 0.00	38.75 -1.28 0.00	38.50 -0.95 0.00	37.50 -1.04 0.00	40.73 -0.66 0.00	46.28 -1.73 0.00	50.86 -2.01 0.00	55.37 -1.77 0.00	59.81 -1.91 0.00	53.17 -1.93 0.00	45.85 -1.71 0.00	42.95 -1.88 0.00
BLUESTONE___WT_PWR 323821	52.22 2.53 0.00	50.25 2.44 0.00	47.01 2.20 0.00	46.22 2.12 0.00	47.45 2.30 0.00	47.20 2.25 0.00	49.65 2.59 0.00	52.97 2.95 0.00	53.25 2.68 0.00	49.14 2.21 0.00	47.20 1.99 0.00	45.42 1.66 0.00	42.99 1.73 0.00	41.48 1.44 0.00	40.83 1.38 0.00	39.97 1.43 0.00	43.22 1.82 0.00	50.21 2.21 0.00	55.45 2.59 0.00	60.75 3.60 0.00	65.73 4.01 0.00	58.13 3.03 0.00	49.89 2.33 0.00	46.89 2.06 0.00
BLUE_CIRC_CHEM_DRP 24182	50.68 0.99 0.00	48.77 0.96 0.00	45.71 0.90 0.00	45.03 0.93 0.00	46.14 0.99 0.00	45.94 0.99 0.00	48.10 1.04 0.00	51.07 1.05 0.00	51.63 1.06 0.00	47.97 1.03 0.00	46.17 0.95 0.00	44.63 0.88 0.00	41.96 0.70 0.00	40.80 0.76 0.00	40.32 0.87 0.00	39.31 0.77 0.00	42.18 0.79 0.00	49.06 1.06 0.00	54.19 1.32 0.00	58.74 1.60 0.00	63.33 1.60 0.00	56.26 1.16 0.00	48.66 1.09 0.00	45.86 1.03 0.00
BOC_GAS_DRP 24189	50.44 0.75 0.00	48.48 0.67 0.00	45.44 0.63 0.00	44.77 0.66 0.00	45.87 0.72 0.00	45.67 0.72 0.00	47.87 0.80 0.00	50.92 0.90 0.00	51.53 0.96 0.00	47.92 0.99 0.00	46.17 0.95 0.00	44.63 0.88 0.00	42.00 0.74 0.00	40.88 0.84 0.00	40.36 0.91 0.00	39.39 0.85 0.00	42.23 0.83 0.00	49.01 1.01 0.00	53.97 1.11 0.00	58.46 1.31 0.00	63.08 1.36 0.00	56.04 0.94 0.00	48.47 0.90 0.00	45.68 0.85 0.00
BOONVILLE_115KV_TB1 79983	50.54 0.84 0.00	48.62 0.81 0.00	45.58 0.76 0.00	44.85 0.75 0.00	45.96 0.81 0.00	45.72 0.76 0.00	47.91 0.85 0.00	50.97 0.95 0.00	51.38 0.81 0.00	47.59 0.66 0.00	45.76 0.54 0.00	44.15 0.39 0.00	41.63 0.37 0.00	40.08 0.04 0.00	39.41 -0.04 0.00	38.58 0.04 0.00	41.52 0.12 0.00	48.34 0.34 0.00	53.45 0.58 0.00	58.29 1.14 0.00	63.08 1.36 0.00	56.04 0.94 0.00	48.13 0.57 0.00	45.32 0.49 0.00
BORALEX_4TH_BRANCH 23824	51.58 1.89 0.00	49.53 1.72 0.00	46.38 1.57 0.00	45.69 1.59 0.00	46.82 1.67 0.00	46.66 1.71 0.00	48.90 1.84 0.00	51.97 1.95 0.00	52.69 2.12 0.00	49.19 2.25 0.00	47.43 2.22 0.00	45.86 2.10 0.00	42.99 1.73 0.00	41.84 1.80 0.00	41.34 1.89 0.00	40.36 1.81 0.00	43.22 1.82 0.00	50.26 2.26 0.00	55.40 2.54 0.00	60.12 2.97 0.00	64.69 2.96 0.00	57.41 2.31 0.00	49.66 2.09 0.00	46.76 1.93 0.00
BOWLINE___1 23526	51.53 1.84 0.00	49.53 1.72 0.00	46.38 1.57 0.00	45.69 1.59 0.00	46.68 1.54 0.00	46.57 1.62 0.00	49.00 1.93 0.00	52.27 2.25 0.00	53.00 2.43 0.00	49.28 2.35 0.00	47.57 2.35 0.00	45.99 2.23 0.00	43.32 2.06 0.00	42.04 2.00 0.00	41.42 1.97 0.00	40.59 2.04 0.00	43.51 2.11 0.00	50.59 2.59 0.00	55.46 2.59 0.00	60.28 3.14 0.00	64.99 3.27 0.00	57.52 2.42 0.00	49.75 2.19 0.00	46.89 2.06 0.00
BOWLINE___2 23595	51.53 1.84 0.00	49.53 1.72 0.00	46.38 1.57 0.00	45.69 1.59 0.00	46.68 1.54 0.00	46.57 1.62 0.00	49.00 1.93 0.00	52.27 2.25 0.00	53.00 2.43 0.00	49.28 2.35 0.00	47.57 2.35 0.00	45.99 2.23 0.00	43.32 2.06 0.00	42.04 2.00 0.00	41.42 1.97 0.00	40.59 2.04 0.00	43.51 2.11 0.00	50.59 2.59 0.00	55.46 2.59 0.00	60.28 3.14 0.00	64.99 3.27 0.00	57.52 2.42 0.00	49.75 2.19 0.00	46.89 2.06 0.00
BRADY___115KV_TB2 356060	49.94 0.25 0.00	48.15 0.33 0.00	45.40 0.58 0.00	44.68 0.57 0.00	45.37 0.23 0.00	45.22 0.27 0.00	47.07 0.00 0.00	49.77 -0.25 0.00	50.27 -0.30 0.00	46.51 -0.42 0.00	45.08 -0.14 0.00	43.76 0.00 0.00	41.09 -0.17 0.00	39.80 -0.24 0.00	39.13 -0.32 0.00	38.16 -0.39 0.00	40.86 -0.54 0.00	47.33 -0.67 0.00	52.07 -0.79 0.00	56.34 -0.80 0.00	61.17 -0.56 0.00	55.16 0.06 0.00	47.52 -0.05 0.00	45.14 0.31 0.00
BRANSCOMB___SOLAR 323811	51.87 2.18 0.00	49.86 2.05 0.00	46.65 1.84 0.00	45.96 1.85 0.00	47.04 1.90 0.00	46.88 1.93 0.00	49.14 2.07 0.00	52.17 2.15 0.00	52.74 2.17 0.00	49.00 2.06 0.00	47.16 1.94 0.00	45.51 1.75 0.00	42.66 1.40 0.00	41.44 1.40 0.00	40.87 1.42 0.00	39.89 1.35 0.00	42.89 1.49 0.00	50.06 2.06 0.00	55.40 2.54 0.00	60.34 3.20 0.00	65.12 3.39 0.00	57.64 2.54 0.00	49.75 2.19 0.00	46.89 2.06 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	51.63 1.94 0.00	49.44 1.63 0.00	46.56 1.75 0.00	45.91 1.81 0.00	46.77 1.63 0.00	46.62 1.66 0.00	48.67 1.60 0.00	51.92 1.90 0.00	52.33 1.77 0.00	49.32 2.39 0.00	47.47 2.26 0.00	46.08 2.32 0.00	43.61 2.35 0.00	42.36 2.32 0.00	42.09 2.64 0.00	41.24 2.70 0.00	44.13 2.73 0.00	50.73 2.74 0.00	55.77 2.91 0.00	60.69 3.54 0.00	65.30 3.58 0.00	57.69 2.59 0.00	49.99 2.43 0.00	47.43 2.60 0.00

BRISTLHL_115KV_TB1 79998	48.80 -0.89 0.00	47.00 -0.81 0.00	44.01 -0.81 0.00	43.27 -0.84 0.00	44.33 -0.81 0.00	44.14 -0.81 0.00	46.27 -0.80 0.00	49.22 -0.80 0.00	49.71 -0.86 0.00	46.04 -0.89 0.00	44.27 -0.95 0.00	42.79 -0.96 0.00	40.47 -0.78 0.00	39.24 -0.80 0.00	38.58 -0.87 0.00	37.77 -0.77 0.00	40.74 -0.66 0.00	47.14 -0.86 0.00	51.97 -0.90 0.00	56.34 -0.80 0.00	60.92 -0.80 0.00	54.16 -0.94 0.00	46.71 -0.86 0.00	43.89 -0.94 0.00
BROOKHAVEN___DRP 24191	51.43 1.74 0.00	49.29 1.48 0.00	46.34 1.52 0.00	45.69 1.59 0.00	46.55 1.40 0.00	46.39 1.44 0.00	48.48 1.41 0.00	51.77 1.75 0.00	52.08 1.52 0.00	49.09 2.16 0.00	47.16 1.94 0.00	45.77 2.01 0.00	43.28 2.02 0.00	42.04 2.00 0.00	41.78 2.33 0.00	40.93 2.39 0.00	43.84 2.44 0.00	50.54 2.54 0.00	55.66 2.80 0.00	60.52 3.37 0.00	65.18 3.46 0.00	57.52 2.42 0.00	49.85 2.28 0.00	47.34 2.51 0.00
BROOKLYN_NAVY_YARD 23515	52.27 2.58 0.00	50.30 2.48 0.00	47.06 2.24 0.00	46.44 2.34 0.00	47.36 2.21 0.00	47.24 2.29 0.00	49.89 2.82 0.00	53.12 3.10 0.00	53.86 3.29 0.00	50.39 3.38 -0.07	48.48 3.26 0.00	46.91 3.15 0.00	44.18 2.93 0.00	42.88 2.84 0.00	42.29 2.84 0.00	41.47 2.93 0.00	44.38 2.98 0.00	51.72 3.65 -0.07	56.62 3.75 0.00	61.54 4.40 0.00	66.35 4.63 0.00	58.68 3.58 0.00	50.75 3.19 0.00	47.74 2.91 0.00
BROOKLYN___ARMY_DRP 323595	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.91 3.12 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.84 4.03 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62
BROOKVLE_69_KV_TB1 55790	52.03 2.34 0.00	49.96 2.15 0.00	46.83 2.02 0.00	46.18 2.07 0.00	47.09 1.94 0.00	46.97 2.02 0.00	49.23 2.17 0.00	52.52 2.50 0.00	53.14 2.58 0.00	49.84 2.91 0.00	47.97 2.76 0.00	46.47 2.71 0.00	43.85 2.60 0.00	42.64 2.60 0.00	42.21 2.76 0.00	41.32 2.78 0.00	44.17 2.77 0.00	51.17 3.17 0.00	56.03 3.17 0.00	60.97 3.83 0.00	65.67 3.95 0.00	58.02 2.92 0.00	50.32 2.76 0.00	47.47 2.64 0.00
BROOME_2_LFGE 323671	49.64 -0.05 0.00	47.81 0.00 0.00	44.73 -0.09 0.00	44.02 -0.09 0.00	45.06 -0.09 0.00	44.86 -0.09 0.00	47.16 0.09 0.00	50.27 0.25 0.00	50.67 0.10 0.00	46.84 -0.09 0.00	45.08 -0.14 0.00	43.58 -0.17 0.00	41.34 0.08 0.00	40.04 0.00 0.00	39.49 0.04 0.00	38.62 0.08 0.00	41.65 0.25 0.00	48.10 0.10 0.00	52.92 0.05 0.00	57.49 0.34 0.00	62.10 0.37 0.00	55.16 0.06 0.00	47.52 -0.05 0.00	44.74 -0.09 0.00
BROOME___LFGE 323600	49.64 -0.05 0.00	47.81 0.00 0.00	44.73 -0.09 0.00	44.02 -0.09 0.00	45.06 -0.09 0.00	44.86 -0.09 0.00	47.16 0.09 0.00	50.27 0.25 0.00	50.67 0.10 0.00	46.84 -0.09 0.00	45.08 -0.14 0.00	43.58 -0.17 0.00	41.34 0.08 0.00	40.04 0.00 0.00	39.49 0.04 0.00	38.62 0.08 0.00	41.65 0.25 0.00	48.10 0.10 0.00	52.92 0.05 0.00	57.49 0.34 0.00	62.10 0.37 0.00	55.16 0.06 0.00	47.52 -0.05 0.00	44.74 -0.09 0.00
BROWNFLS_115KV_TB_3_5 80003	49.19 -0.50 0.00	47.38 -0.43 0.00	44.59 -0.22 0.00	43.88 -0.22 0.00	44.74 -0.41 0.00	44.55 -0.40 0.00	46.41 -0.66 0.00	49.22 -0.80 0.00	49.61 -0.96 0.00	45.90 -1.03 0.00	44.36 -0.86 0.00	42.84 -0.92 0.00	40.31 -0.95 0.00	38.80 -1.24 0.00	38.15 -1.30 0.00	37.23 -1.31 0.00	39.99 -1.41 0.00	46.47 -1.54 0.00	51.33 -1.53 0.00	55.89 -1.26 0.00	60.67 -1.05 0.00	54.38 -0.72 0.00	46.75 -0.81 0.00	44.20 -0.63 0.00
BROWNSV1_27_KV_LOAD 356125	52.72 3.03 0.00	50.68 2.87 0.00	47.37 2.55 0.00	46.71 2.60 0.00	47.72 2.57 0.00	47.60 2.65 0.00	50.17 3.11 0.00	53.47 3.45 0.00	54.27 3.69 0.00	50.62 3.61 -0.07	48.75 3.53 0.00	47.17 3.41 0.00	44.43 3.18 0.00	43.08 3.04 0.00	42.57 3.12 0.00	41.63 3.08 0.00	44.59 3.19 0.00	52.01 3.94 -0.07	56.94 4.07 0.00	61.89 4.74 0.00	66.72 5.00 0.00	59.01 3.91 0.00	51.04 3.47 0.00	48.06 3.23 0.00
BURROWS___LYONSDAL 23803	50.39 0.70 0.00	48.48 0.67 0.00	45.44 0.63 0.00	44.72 0.62 0.00	45.82 0.68 0.00	45.58 0.63 0.00	47.73 0.66 0.00	50.77 0.75 0.00	51.13 0.56 0.00	47.36 0.42 0.00	45.53 0.32 0.00	43.89 0.13 0.00	41.38 0.12 0.00	39.80 -0.24 0.00	39.13 -0.32 0.00	38.27 -0.27 0.00	41.23 -0.17 0.00	48.00 0.00 0.00	53.08 0.21 0.00	58.00 0.86 0.00	62.77 1.05 0.00	55.76 0.66 0.00	47.90 0.33 0.00	45.10 0.27 0.00
CAITHNESS_CC_1 323624	51.33 1.64 0.00	49.15 1.34 0.00	46.16 1.34 0.00	45.61 1.50 0.00	46.14 0.99 0.00	46.12 1.17 0.00	48.38 1.32 0.00	51.67 1.65 0.00	51.98 1.41 0.00	48.99 2.06 0.00	47.11 1.90 0.00	45.59 1.84 0.00	43.19 1.94 0.00	41.88 1.84 0.00	41.62 2.17 0.00	40.90 2.35 0.00	43.84 2.44 0.00	50.44 2.45 0.00	55.55 2.69 0.00	60.40 3.26 0.00	64.99 3.27 0.00	57.41 2.31 0.00	49.71 2.14 0.00	46.71 1.88 0.00
CALPINE BETH_PAGE_GT4 24209	51.23 1.54 0.00	49.15 1.34 0.00	46.16 1.34 0.00	45.52 1.41 0.00	46.37 1.22 0.00	46.26 1.30 0.00	48.34 1.27 0.00	51.62 1.60 0.00	52.13 1.57 0.00	49.09 2.16 0.00	47.16 1.94 0.00	45.90 2.14 0.00	43.40 2.15 0.00	42.20 2.16 0.00	41.86 2.41 0.00	41.01 2.47 0.00	43.80 2.40 0.00	50.40 2.40 0.00	55.29 2.43 0.00	60.17 3.03 0.00	64.81 3.09 0.00	57.19 2.09 0.00	49.56 2.00 0.00	46.85 2.02 0.00
CALPINE_BETH_PAGE_GT_4 323586	51.23 1.54 0.00	49.10 1.29 0.00	46.07 1.25 0.00	45.52 1.41 0.00	46.05 0.90 0.00	46.08 1.12 0.00	48.34 1.27 0.00	51.62 1.60 0.00	52.13 1.57 0.00	49.09 2.16 0.00	47.16 1.94 0.00	45.64 1.88 0.00	43.36 2.10 0.00	42.08 2.04 0.00	41.78 2.33 0.00	41.01 2.47 0.00	43.84 2.44 0.00	50.40 2.40 0.00	55.29 2.43 0.00	60.17 3.03 0.00	64.81 3.08 0.00	57.19 2.09 0.00	49.51 1.95 0.00	46.53 1.70 0.00
CALPINE_BP_GT1 23823	51.23 1.54 0.00	49.10 1.29 0.00	46.07 1.25 0.00	45.52 1.41 0.00	46.05 0.90 0.00	46.08 1.12 0.00	48.34 1.27 0.00	51.62 1.60 0.00	52.13 1.57 0.00	49.09 2.16 0.00	47.16 1.94 0.00	45.64 1.88 0.00	43.36 2.10 0.00	42.08 2.04 0.00	41.78 2.33 0.00	41.01 2.47 0.00	43.84 2.44 0.00	50.40 2.40 0.00	55.29 2.43 0.00	60.17 3.03 0.00	64.81 3.08 0.00	57.19 2.09 0.00	49.51 1.95 0.00	46.53 1.70 0.00
CALSPAN___DRP 24200	47.70 -1.99 0.00	45.80 -2.01 0.00	42.80 -2.02 0.00	41.94 -2.16 0.00	42.93 -2.21 0.00	42.48 -2.47 0.00	45.00 -2.07 0.00	47.82 -2.20 0.00	47.74 -2.83 0.00	44.12 -2.82 0.00	42.28 -2.94 0.00	41.22 -2.54 0.00	39.52 -1.73 0.00	37.95 -2.08 0.00	37.32 -2.13 0.00	37.04 -1.50 0.00	40.36 -1.03 0.00	45.55 -2.45 0.00	50.06 -2.80 0.00	54.46 -2.69 0.00	58.76 -2.96 0.00	52.34 -2.76 0.00	45.19 -2.38 0.00	42.14 -2.69 0.00

CALVERTON___SOLAR 323806	51.53 1.84 0.00	49.34 1.53 0.00	46.34 1.52 0.00	45.74 1.63 0.00	46.32 1.17 0.00	46.26 1.30 0.00	48.57 1.51 0.00	51.87 1.85 0.00	52.13 1.57 0.00	49.18 2.25 0.00	47.20 1.99 0.00	45.68 1.92 0.00	43.27 2.02 0.00	41.96 1.92 0.00	41.70 2.25 0.00	40.97 2.43 0.00	43.97 2.57 0.00	50.64 2.64 0.00	55.82 2.96 0.00	60.69 3.54 0.00	65.36 3.64 0.00	57.69 2.59 0.00	49.89 2.33 0.00	46.89 2.06 0.00
CANDIGU_WT_PWR 323617	48.80 -0.89 0.00	46.95 -0.86 0.00	43.87 -0.94 0.00	43.13 -0.97 0.00	44.11 -1.04 0.00	43.78 -1.17 0.00	46.27 -0.80 0.00	49.27 -0.75 0.00	49.21 -1.36 0.00	45.29 -1.64 0.00	43.36 -1.86 0.00	42.09 -1.66 0.00	40.26 -0.99 0.00	38.84 -1.20 0.00	38.54 -0.91 0.00	37.70 -0.85 0.00	40.90 -0.49 0.00	46.90 -1.10 0.00	51.65 -1.21 0.00	56.29 -0.86 0.00	60.86 -0.86 0.00	54.05 -1.05 0.00	46.56 -1.00 0.00	43.75 -1.08 0.00
CARR STREET_E_SYR 24060	49.24 -0.45 0.00	47.38 -0.43 0.00	44.37 -0.45 0.00	43.66 -0.44 0.00	44.70 -0.45 0.00	44.50 -0.45 0.00	46.69 -0.38 0.00	49.72 -0.30 0.00	50.16 -0.41 0.00	46.47 -0.47 0.00	44.68 -0.54 0.00	43.23 -0.52 0.00	40.92 -0.33 0.00	39.68 -0.36 0.00	39.09 -0.36 0.00	38.20 -0.35 0.00	41.15 -0.25 0.00	47.62 -0.39 0.00	52.50 -0.37 0.00	56.92 -0.23 0.00	61.54 -0.18 0.00	54.66 -0.44 0.00	47.13 -0.43 0.00	44.34 -0.49 0.00
CARTHAGE___PAPER 23857	49.94 0.25 0.00	48.00 0.19 0.00	45.04 0.23 0.00	44.33 0.22 0.00	45.51 0.36 0.00	45.22 0.27 0.00	47.16 0.09 0.00	50.07 0.05 0.00	50.32 -0.25 0.00	46.47 -0.47 0.00	44.68 -0.54 0.00	43.01 -0.74 0.00	40.47 -0.79 0.00	38.87 -1.16 0.00	38.15 -1.30 0.00	37.35 -1.20 0.00	40.28 -1.12 0.00	47.04 -0.96 0.00	52.23 -0.63 0.00	57.37 0.23 0.00	62.28 0.55 0.00	55.38 0.28 0.00	47.42 -0.14 0.00	44.65 -0.18 0.00
CASSADAGA_WT_PWR 323784	49.10 -0.59 0.00	47.09 -0.72 0.00	44.01 -0.81 0.00	43.13 -0.97 0.00	44.06 -1.08 0.00	43.51 -1.44 0.00	46.27 -0.80 0.00	49.52 -0.50 0.00	49.46 -1.11 0.00	45.71 -1.22 0.00	43.90 -1.31 0.00	42.66 -1.09 0.00	40.92 -0.33 0.00	39.39 -0.64 0.00	39.18 -0.27 0.00	38.08 -0.46 0.00	41.40 0.00 0.00	47.09 -0.91 0.00	51.81 -1.06 0.00	56.46 -0.68 0.00	60.99 -0.74 0.00	54.16 -0.94 0.00	46.66 -0.91 0.00	43.62 -1.21 0.00
CE_DUNWOOD___DRP 24194	51.98 2.29 0.00	49.96 2.15 0.00	46.79 1.97 0.00	46.13 2.03 0.00	47.13 1.99 0.00	47.02 2.07 0.00	49.42 2.35 0.00	52.67 2.65 0.00	53.40 2.83 0.00	49.71 2.77 0.00	47.98 2.76 0.00	46.43 2.67 0.00	43.69 2.43 0.00	42.44 2.40 0.00	41.90 2.45 0.00	40.97 2.43 0.00	43.88 2.48 0.00	51.08 3.07 0.00	56.04 3.17 0.00	60.92 3.77 0.00	65.61 3.89 0.00	58.08 2.98 0.00	50.23 2.66 0.00	47.34 2.51 0.00
CE_MILLWOOD___DRP 24193	51.88 2.19 0.00	49.87 2.06 0.00	46.70 1.88 0.00	46.05 1.94 0.00	47.09 1.94 0.00	46.93 1.98 0.00	49.33 2.26 0.00	52.57 2.55 0.00	53.30 2.73 0.00	49.61 2.68 0.00	47.89 2.67 0.00	46.29 2.54 0.00	43.61 2.35 0.00	42.32 2.28 0.00	41.82 2.37 0.00	40.89 2.35 0.00	43.80 2.40 0.00	50.98 2.98 0.00	55.88 3.01 0.00	60.74 3.60 0.00	65.49 3.77 0.00	57.97 2.87 0.00	50.13 2.57 0.00	47.25 2.42 0.00
CE_NYC2_DRP 24202	52.68 2.98 -0.01	50.64 2.82 -0.01	47.38 2.55 -0.01	46.67 2.56 -0.01	47.73 2.57 -0.01	47.61 2.65 -0.01	50.11 3.01 -0.03	53.43 3.40 -0.01	54.12 3.54 -0.01	51.17 3.52 -0.71	50.02 3.44 -1.37	47.59 3.33 -0.51	45.19 3.09 -0.84	43.91 3.00 -0.87	43.43 3.04 -0.94	42.61 3.01 -1.06	45.24 3.10 -0.73	52.20 3.84 -0.36	56.84 3.96 -0.01	61.78 4.63 -0.01	66.61 4.88 -0.01	58.85 3.75 -0.01	50.98 3.38 -0.04	48.03 3.18 -0.01
CE_NYC_DRP 24195	52.42 2.73 0.00	50.39 2.58 0.00	47.15 2.33 0.00	46.49 2.38 0.00	47.49 2.35 0.00	47.38 2.43 0.00	49.89 2.82 0.00	53.22 3.20 0.00	53.96 3.39 0.00	50.33 3.33 -0.06	48.52 3.30 0.00	46.91 3.15 0.00	44.18 2.93 0.00	42.88 2.84 0.00	42.33 2.88 0.00	41.43 2.89 0.00	44.34 2.94 0.00	51.72 3.65 -0.06	56.62 3.75 0.00	61.54 4.40 0.00	66.29 4.57 0.00	58.63 3.53 0.00	50.75 3.19 0.00	47.79 2.96 0.00
CHAFFEE___LFGE 323603	47.65 -2.04 0.00	45.80 -2.01 0.00	42.80 -2.02 0.00	42.03 -2.07 0.00	42.94 -2.21 0.00	42.48 -2.47 0.00	45.18 -1.88 0.00	48.57 -1.45 0.00	48.60 -1.97 0.00	44.78 -2.16 0.00	43.05 -2.17 0.00	41.74 -2.01 0.00	40.02 -1.24 0.00	38.47 -1.56 0.00	38.15 -1.30 0.00	37.19 -1.35 0.00	40.40 -0.99 0.00	46.08 -1.92 0.00	50.49 -2.38 0.00	55.09 -2.05 0.00	59.44 -2.28 0.00	52.79 -2.31 0.00	45.42 -2.14 0.00	42.63 -2.20 0.00
CHATEAUG_35_KV_LOAD 355732	50.49 0.80 0.00	48.67 0.86 0.00	45.71 0.90 0.00	44.94 0.84 0.00	45.82 0.68 0.00	45.63 0.67 0.00	47.54 0.47 0.00	50.37 0.35 0.00	50.97 0.40 0.00	47.22 0.28 0.00	45.53 0.32 0.00	44.19 0.44 0.00	41.46 0.21 0.00	40.16 0.12 0.00	39.49 0.04 0.00	38.51 -0.04 0.00	41.19 -0.21 0.00	47.95 -0.05 0.00	52.71 -0.16 0.00	56.92 -0.23 0.00	61.72 0.00 0.00	55.60 0.50 0.00	47.75 0.19 0.00	45.10 0.27 0.00
CHATEAUG_WT_PWR 323614	50.39 0.70 0.00	48.57 0.76 0.00	45.67 0.85 0.00	44.85 0.75 0.00	45.91 0.77 0.00	45.67 0.72 0.00	47.49 0.42 0.00	50.32 0.30 0.00	50.97 0.40 0.00	47.22 0.28 0.00	45.54 0.32 0.00	44.19 0.44 0.00	41.50 0.25 0.00	40.16 0.12 0.00	39.49 0.04 0.00	38.51 -0.04 0.00	41.23 -0.16 0.00	47.91 -0.10 0.00	52.71 -0.16 0.00	56.86 -0.28 0.00	61.66 -0.06 0.00	55.49 0.39 0.00	47.71 0.14 0.00	45.05 0.23 0.00
CHAT_HIGH_FALL_HYD 323578	50.49 0.80 0.00	48.67 0.86 0.00	45.71 0.90 0.00	44.94 0.84 0.00	45.82 0.68 0.00	45.63 0.67 0.00	47.54 0.47 0.00	50.37 0.35 0.00	50.97 0.40 0.00	47.22 0.28 0.00	45.53 0.32 0.00	44.19 0.44 0.00	41.46 0.21 0.00	40.16 0.12 0.00	39.49 0.04 0.00	38.51 -0.04 0.00	41.19 -0.21 0.00	47.95 -0.05 0.00	52.71 -0.16 0.00	56.92 -0.23 0.00	61.72 0.00 0.00	55.60 0.50 0.00	47.75 0.19 0.00	45.10 0.27 0.00
CHAUTAUQUA___LFGE 323629	48.55 -1.14 0.00	46.57 -1.24 0.00	43.56 -1.25 0.00	42.69 -1.41 0.00	43.61 -1.54 0.00	43.15 -1.80 0.00	45.84 -1.22 0.00	48.92 -1.10 0.00	48.85 -1.72 0.00	45.10 -1.83 0.00	43.27 -1.94 0.00	42.14 -1.62 0.00	40.43 -0.82 0.00	38.92 -1.12 0.00	38.74 -0.71 0.00	37.70 -0.85 0.00	40.98 -0.41 0.00	46.51 -1.49 0.00	51.12 -1.74 0.00	55.72 -1.43 0.00	60.12 -1.61 0.00	53.50 -1.60 0.00	46.09 -1.47 0.00	43.22 -1.61 0.00
CHERRYST_13_KV_LD 356241	52.57 2.88 0.00	50.54 2.73 0.00	47.28 2.46 0.00	46.58 2.47 0.00	47.63 2.48 0.00	47.51 2.56 0.00	50.03 2.97 0.00	53.32 3.30 0.00	54.11 3.54 0.00	50.47 3.47 -0.07	48.61 3.39 0.00	47.04 3.28 0.00	44.31 3.05 0.00	42.96 2.92 0.00	42.45 3.00 0.00	41.51 2.97 0.00	44.46 3.06 0.00	51.86 3.79 -0.07	56.73 3.86 0.00	61.72 4.57 0.00	66.48 4.75 0.00	58.79 3.69 0.00	50.85 3.28 0.00	47.92 3.09 0.00

CHESTROR_138KV_BK263 355645	51.23 1.54 0.00	49.24 1.43 0.00	46.12 1.30 0.00	45.43 1.32 0.00	46.50 1.35 0.00	46.35 1.39 0.00	48.71 1.65 0.00	51.87 1.85 0.00	52.54 1.97 0.00	48.86 1.92 0.00	47.12 1.90 0.00	45.55 1.79 0.00	42.90 1.65 0.00	41.68 1.64 0.00	41.11 1.66 0.00	40.16 1.62 0.00	43.10 1.70 0.00	50.16 2.16 0.00	55.03 2.17 0.00	59.83 2.69 0.00	64.50 2.78 0.00	57.14 2.04 0.00	49.37 1.81 0.00	46.58 1.75 0.00
CH_MIDHUDSON___DRP 24192	51.68 1.99 0.00	49.68 1.86 0.00	46.52 1.70 0.00	45.87 1.76 0.00	46.91 1.76 0.00	46.75 1.80 0.00	49.09 2.02 0.00	52.27 2.25 0.00	53.00 2.43 0.00	49.33 2.39 0.00	47.52 2.31 0.00	45.99 2.23 0.00	43.23 1.98 0.00	42.00 1.96 0.00	41.46 2.01 0.00	40.51 1.97 0.00	43.43 2.03 0.00	50.59 2.59 0.00	55.56 2.70 0.00	60.40 3.26 0.00	65.12 3.39 0.00	57.63 2.53 0.00	49.85 2.28 0.00	46.98 2.15 0.00
CH_MISC_IPPS 23765	51.87 2.18 0.00	49.86 2.05 0.00	46.70 1.88 0.00	46.00 1.90 0.00	46.95 1.81 0.00	46.84 1.89 0.00	49.28 2.21 0.00	52.47 2.45 0.00	53.20 2.63 0.00	49.47 2.53 0.00	47.66 2.44 0.00	46.03 2.27 0.00	43.27 2.02 0.00	42.04 2.00 0.00	41.38 1.93 0.00	40.55 2.00 0.00	43.55 2.15 0.00	50.74 2.73 0.00	55.77 2.91 0.00	60.63 3.49 0.00	65.43 3.70 0.00	57.85 2.75 0.00	49.99 2.42 0.00	47.07 2.24 0.00
CH_RES_BVR_FALLS 23983	49.49 -0.20 0.00	47.62 -0.19 0.00	44.73 -0.09 0.00	43.97 -0.13 0.00	44.97 -0.18 0.00	44.73 -0.22 0.00	46.64 -0.42 0.00	49.47 -0.55 0.00	50.06 -0.51 0.00	46.42 -0.52 0.00	44.81 -0.41 0.00	43.36 -0.39 0.00	40.80 -0.45 0.00	39.60 -0.44 0.00	38.98 -0.47 0.00	38.08 -0.46 0.00	40.82 -0.58 0.00	47.38 -0.63 0.00	52.18 -0.69 0.00	56.23 -0.92 0.00	60.80 -0.92 0.00	54.55 -0.55 0.00	47.09 -0.48 0.00	44.47 -0.36 0.00
CH_RES_NIAGARA 23895	46.46 -3.23 0.00	44.61 -3.20 0.00	41.72 -3.09 0.00	40.89 -3.22 0.00	41.63 -3.52 0.00	41.27 -3.69 0.00	43.63 -3.44 0.00	46.17 -3.85 0.00	46.07 -4.50 0.00	42.62 -4.32 0.00	40.83 -4.39 0.00	39.95 -3.81 0.00	38.32 -2.93 0.00	36.83 -3.20 0.00	36.18 -3.27 0.00	36.00 -2.54 0.00	39.20 -2.19 0.00	44.02 -3.98 0.00	48.32 -4.55 0.00	52.46 -4.69 0.00	56.60 -5.12 0.00	50.53 -4.57 0.00	43.66 -3.90 0.00	40.79 -4.03 0.00
CH_RES_SYRACUSE 23985	49.54 -0.15 0.00	47.72 -0.10 0.00	44.68 -0.13 0.00	43.93 -0.18 0.00	45.01 -0.14 0.00	44.82 -0.13 0.00	46.97 -0.09 0.00	50.02 0.00 0.00	50.52 -0.05 0.00	46.75 -0.19 0.00	44.95 -0.27 0.00	43.45 -0.30 0.00	41.13 -0.12 0.00	39.88 -0.16 0.00	39.29 -0.16 0.00	38.39 -0.15 0.00	41.40 0.00 0.00	47.86 -0.14 0.00	52.81 -0.05 0.00	57.26 0.11 0.00	61.91 0.19 0.00	54.99 -0.11 0.00	47.37 -0.19 0.00	44.56 -0.27 0.00
CLINTON_WT_PWR 323605	50.39 0.70 0.00	48.57 0.76 0.00	45.67 0.85 0.00	44.85 0.75 0.00	45.91 0.77 0.00	45.67 0.72 0.00	47.49 0.42 0.00	50.32 0.30 0.00	50.97 0.40 0.00	47.22 0.28 0.00	45.54 0.32 0.00	44.19 0.44 0.00	41.50 0.25 0.00	40.16 0.12 0.00	39.49 0.04 0.00	38.51 -0.04 0.00	41.23 -0.16 0.00	47.91 -0.10 0.00	52.71 -0.16 0.00	56.86 -0.28 0.00	61.66 -0.06 0.00	55.49 0.39 0.00	47.71 0.14 0.00	45.05 0.23 0.00
CLINTON___LFGE 323618	51.08 1.39 0.00	49.29 1.48 0.00	46.29 1.48 0.00	45.47 1.37 0.00	46.55 1.40 0.00	46.30 1.35 0.00	48.10 1.03 0.00	51.02 1.00 0.00	51.68 1.11 0.00	47.82 0.89 0.00	46.12 0.90 0.00	44.80 1.05 0.00	42.04 0.78 0.00	40.72 0.68 0.00	40.00 0.55 0.00	38.97 0.42 0.00	41.69 0.29 0.00	48.53 0.53 0.00	53.29 0.42 0.00	57.66 0.51 0.00	62.71 0.98 0.00	56.37 1.27 0.00	48.42 0.86 0.00	45.64 0.81 0.00
COBBLENY_34_KV_TB1 80064	47.65 -2.04 0.00	45.80 -2.01 0.00	42.80 -2.02 0.00	42.03 -2.07 0.00	42.98 -2.17 0.00	42.52 -2.43 0.00	45.18 -1.88 0.00	48.57 -1.45 0.00	48.60 -1.97 0.00	44.78 -2.16 0.00	43.05 -2.17 0.00	41.70 -2.06 0.00	39.89 -1.36 0.00	38.28 -1.76 0.00	37.64 -1.81 0.00	37.19 -1.35 0.00	40.53 -0.87 0.00	46.08 -1.92 0.00	50.49 -2.38 0.00	55.09 -2.06 0.00	59.44 -2.28 0.00	52.79 -2.31 0.00	45.42 -2.14 0.00	42.45 -2.38 0.00
COFFEEN___115KV_TB3 355620	50.34 0.65 0.00	48.43 0.62 0.00	45.40 0.58 0.00	44.63 0.53 0.00	45.82 0.68 0.00	45.49 0.54 0.00	47.58 0.52 0.00	50.52 0.50 0.00	50.67 0.10 0.00	46.75 -0.19 0.00	44.90 -0.32 0.00	43.14 -0.61 0.00	40.64 -0.62 0.00	39.04 -1.00 0.00	38.27 -1.18 0.00	37.50 -1.04 0.00	40.53 -0.87 0.00	47.38 -0.62 0.00	52.76 -0.11 0.00	58.23 1.09 0.00	63.27 1.54 0.00	56.04 0.94 0.00	47.94 0.38 0.00	45.01 0.18 0.00
COLDSPRG_115KV_BK1 355956	49.19 -0.50 0.00	47.24 -0.57 0.00	44.14 -0.67 0.00	43.27 -0.84 0.00	44.24 -0.90 0.00	43.69 -1.26 0.00	46.50 -0.56 0.00	49.82 -0.20 0.00	49.81 -0.76 0.00	45.95 -0.99 0.00	44.18 -1.04 0.00	42.84 -0.92 0.00	41.01 -0.25 0.00	39.32 -0.72 0.00	38.62 -0.83 0.00	38.20 -0.35 0.00	41.69 0.29 0.00	47.28 -0.72 0.00	52.02 -0.85 0.00	56.69 -0.46 0.00	61.23 -0.49 0.00	54.38 -0.72 0.00	46.80 -0.76 0.00	43.62 -1.21 0.00
COLONIE_LFGE___ 323577	51.23 1.54 0.00	49.24 1.43 0.00	46.12 1.30 0.00	45.43 1.32 0.00	46.46 1.31 0.00	46.35 1.40 0.00	48.57 1.51 0.00	51.62 1.60 0.00	52.24 1.67 0.00	48.62 1.69 0.00	46.84 1.63 0.00	45.33 1.57 0.00	42.53 1.28 0.00	41.32 1.28 0.00	40.75 1.30 0.00	39.86 1.31 0.00	42.76 1.36 0.00	49.73 1.73 0.00	54.87 2.01 0.00	59.60 2.46 0.00	64.19 2.47 0.00	56.97 1.87 0.00	49.23 1.66 0.00	46.35 1.53 0.00
COOPERNY_115KV_TB1 80082	50.83 1.14 0.00	48.86 1.05 0.00	45.76 0.94 0.00	45.08 0.97 0.00	46.14 0.99 0.00	45.99 1.03 0.00	48.24 1.18 0.00	51.42 1.40 0.00	52.04 1.47 0.00	48.34 1.41 0.00	46.62 1.40 0.00	45.07 1.31 0.00	42.49 1.24 0.00	41.24 1.20 0.00	40.67 1.22 0.00	39.78 1.23 0.00	42.68 1.28 0.00	49.59 1.58 0.00	54.45 1.59 0.00	59.14 2.00 0.00	63.76 2.04 0.00	56.59 1.49 0.00	48.90 1.33 0.00	46.08 1.26 0.00
COPENHAGEN_WT_PWR 323753	50.04 0.35 0.00	48.10 0.29 0.00	45.09 0.27 0.00	44.37 0.27 0.00	45.55 0.41 0.00	45.22 0.27 0.00	47.26 0.19 0.00	50.17 0.15 0.00	50.42 -0.15 0.00	46.56 -0.38 0.00	44.76 -0.45 0.00	43.05 -0.70 0.00	40.55 -0.70 0.00	39.04 -1.00 0.00	38.30 -1.15 0.00	37.50 -1.04 0.00	40.45 -0.95 0.00	47.23 -0.77 0.00	52.50 -0.37 0.00	57.72 0.57 0.00	62.65 0.93 0.00	55.59 0.49 0.00	47.61 0.05 0.00	44.74 -0.09 0.00
CORNELL_____ 23752	50.54 0.84 0.00	48.67 0.86 0.00	45.53 0.72 0.00	44.77 0.66 0.00	45.91 0.77 0.00	45.72 0.76 0.00	48.01 0.94 0.00	51.17 1.15 0.00	51.48 0.91 0.00	47.50 0.56 0.00	45.53 0.32 0.00	43.97 0.22 0.00	41.63 0.37 0.00	40.28 0.24 0.00	39.61 0.16 0.00	38.85 0.31 0.00	42.06 0.66 0.00	48.72 0.72 0.00	53.87 1.00 0.00	58.52 1.37 0.00	63.39 1.67 0.00	56.15 1.05 0.00	48.37 0.81 0.00	45.41 0.58 0.00

CORONA__69_KV_TB1 355595	51.83 2.14 0.00	49.72 1.91 0.00	46.65 1.84 0.00	46.00 1.90 0.00	46.86 1.72 0.00	46.80 1.84 0.00	48.95 1.88 0.00	52.22 2.20 0.00	52.79 2.23 0.00	49.70 2.77 0.00	47.74 2.53 0.00	46.25 2.49 0.00	43.69 2.43 0.00	42.48 2.44 0.00	42.09 2.64 0.00	41.20 2.66 0.00	44.01 2.61 0.00	50.93 2.93 0.00	55.82 2.96 0.00	60.74 3.60 0.00	65.49 3.77 0.00	57.80 2.70 0.00	50.08 2.52 0.00	47.30 2.47 0.00
CORTLAND__115KV_TB3 80093	50.09 0.40 0.00	48.19 0.38 0.00	45.13 0.31 0.00	44.41 0.31 0.00	45.51 0.36 0.00	45.31 0.36 0.00	47.54 0.47 0.00	50.67 0.65 0.00	51.07 0.51 0.00	47.22 0.28 0.00	45.35 0.14 0.00	43.80 0.04 0.00	41.46 0.21 0.00	40.16 0.12 0.00	39.49 0.04 0.00	38.70 0.15 0.00	41.77 0.37 0.00	48.39 0.38 0.00	53.39 0.53 0.00	58.00 0.86 0.00	62.71 0.99 0.00	55.65 0.55 0.00	47.94 0.38 0.00	45.05 0.22 0.00
COXSACKIE__GT 23611	51.93 2.24 0.00	49.86 2.05 0.00	46.70 1.88 0.00	46.04 1.94 0.00	47.04 1.90 0.00	46.98 2.02 0.00	49.19 2.12 0.00	52.12 2.10 0.00	52.74 2.17 0.00	48.76 1.83 0.00	46.57 1.36 0.00	44.94 1.18 0.00	42.08 0.82 0.00	40.88 0.84 0.00	40.28 0.83 0.00	39.35 0.81 0.00	42.43 1.04 0.00	49.83 1.82 0.00	55.35 2.49 0.00	60.40 3.26 0.00	65.24 3.52 0.00	57.58 2.48 0.00	49.65 2.09 0.00	46.76 1.93 0.00
CPV_VALLEY__CC1 323721	50.88 1.19 0.00	48.91 1.10 0.00	45.80 0.98 0.00	45.16 1.06 0.00	46.14 0.99 0.00	45.99 1.03 0.00	48.38 1.32 0.00	51.57 1.55 0.00	52.19 1.62 0.00	48.53 1.60 0.00	46.80 1.58 0.00	45.29 1.53 0.00	42.66 1.40 0.00	41.40 1.36 0.00	40.83 1.38 0.00	39.97 1.43 0.00	42.89 1.49 0.00	49.83 1.82 0.00	54.66 1.80 0.00	59.37 2.23 0.00	64.01 2.29 0.00	56.75 1.65 0.00	49.04 1.48 0.00	46.22 1.39 0.00
CPV_VALLEY__CC2 323722	50.88 1.19 0.00	48.91 1.10 0.00	45.80 0.98 0.00	45.16 1.06 0.00	46.14 0.99 0.00	45.99 1.03 0.00	48.38 1.32 0.00	51.57 1.55 0.00	52.19 1.62 0.00	48.53 1.60 0.00	46.80 1.58 0.00	45.29 1.53 0.00	42.66 1.40 0.00	41.40 1.36 0.00	40.83 1.38 0.00	39.97 1.43 0.00	42.89 1.49 0.00	49.83 1.82 0.00	54.66 1.80 0.00	59.37 2.23 0.00	64.01 2.29 0.00	56.75 1.65 0.00	49.04 1.48 0.00	46.22 1.39 0.00
CRESCENT__HYD 24018	51.23 1.54 0.00	49.24 1.43 0.00	46.12 1.30 0.00	45.43 1.32 0.00	46.46 1.31 0.00	46.35 1.40 0.00	48.57 1.51 0.00	51.62 1.60 0.00	52.24 1.67 0.00	48.62 1.69 0.00	46.84 1.63 0.00	45.33 1.57 0.00	42.53 1.28 0.00	41.32 1.28 0.00	40.75 1.30 0.00	39.86 1.31 0.00	42.76 1.36 0.00	49.73 1.73 0.00	54.87 2.01 0.00	59.60 2.46 0.00	64.19 2.47 0.00	56.97 1.87 0.00	49.23 1.66 0.00	46.35 1.53 0.00
CRICKET__VALLEY_CC1 323756	51.28 1.59 0.00	49.29 1.48 0.00	46.16 1.34 0.00	45.52 1.41 0.00	46.50 1.35 0.00	46.35 1.40 0.00	48.76 1.69 0.00	51.87 1.85 0.00	52.59 2.02 0.00	49.05 2.11 0.00	47.30 2.08 0.00	45.73 1.97 0.00	42.95 1.69 0.00	41.76 1.72 0.00	41.15 1.70 0.00	40.32 1.77 0.00	43.22 1.82 0.00	50.21 2.21 0.00	55.19 2.32 0.00	59.89 2.74 0.00	64.44 2.71 0.00	57.14 2.04 0.00	49.47 1.90 0.00	46.58 1.75 0.00
CRICKET__VALLEY_CC2 323757	51.28 1.59 0.00	49.29 1.48 0.00	46.16 1.34 0.00	45.52 1.41 0.00	46.50 1.35 0.00	46.35 1.40 0.00	48.76 1.69 0.00	51.87 1.85 0.00	52.59 2.02 0.00	49.05 2.11 0.00	47.30 2.08 0.00	45.73 1.97 0.00	42.95 1.69 0.00	41.76 1.72 0.00	41.15 1.70 0.00	40.32 1.77 0.00	43.22 1.82 0.00	50.21 2.21 0.00	55.19 2.32 0.00	59.89 2.74 0.00	64.44 2.71 0.00	57.14 2.04 0.00	49.47 1.90 0.00	46.58 1.75 0.00
CRICKET__VALLEY_CC3 323758	51.28 1.59 0.00	49.29 1.48 0.00	46.16 1.34 0.00	45.52 1.41 0.00	46.50 1.35 0.00	46.35 1.40 0.00	48.76 1.69 0.00	51.87 1.85 0.00	52.59 2.02 0.00	49.05 2.11 0.00	47.30 2.08 0.00	45.73 1.97 0.00	42.95 1.69 0.00	41.76 1.72 0.00	41.15 1.70 0.00	40.32 1.77 0.00	43.22 1.82 0.00	50.21 2.21 0.00	55.19 2.32 0.00	59.89 2.74 0.00	64.44 2.71 0.00	57.14 2.04 0.00	49.47 1.90 0.00	46.58 1.75 0.00
CRUCIBLE__METL_DRP 24180	49.54 -0.15 0.00	47.71 -0.10 0.00	44.68 -0.13 0.00	43.93 -0.18 0.00	45.01 -0.14 0.00	44.82 -0.13 0.00	46.97 -0.09 0.00	50.02 0.00 0.00	50.52 -0.05 0.00	46.75 -0.19 0.00	44.95 -0.27 0.00	43.45 -0.31 0.00	41.13 -0.12 0.00	39.88 -0.16 0.00	39.21 -0.24 0.00	38.39 -0.15 0.00	41.40 0.00 0.00	47.86 -0.14 0.00	52.81 -0.05 0.00	57.26 0.11 0.00	61.91 0.19 0.00	54.99 -0.11 0.00	47.37 -0.19 0.00	44.56 -0.27 0.00
DAHOWA__HYDRO 323763	52.03 2.34 0.00	50.01 2.20 0.00	46.74 1.93 0.00	46.09 1.99 0.00	47.18 2.03 0.00	47.02 2.07 0.00	49.23 2.17 0.00	52.27 2.25 0.00	52.85 2.28 0.00	49.10 2.16 0.00	47.25 2.04 0.00	45.59 1.84 0.00	42.74 1.48 0.00	41.48 1.44 0.00	40.91 1.46 0.00	39.93 1.39 0.00	42.97 1.57 0.00	50.16 2.16 0.00	55.56 2.69 0.00	60.57 3.43 0.00	65.36 3.64 0.00	57.80 2.70 0.00	49.85 2.28 0.00	47.03 2.20 0.00
DANC__LFGE 323619	49.54 -0.15 0.00	47.67 -0.14 0.00	44.68 -0.13 0.00	43.93 -0.18 0.00	45.10 -0.05 0.00	44.77 -0.18 0.00	46.83 -0.23 0.00	49.77 -0.25 0.00	50.06 -0.51 0.00	46.32 -0.61 0.00	44.58 -0.63 0.00	42.97 -0.79 0.00	40.55 -0.70 0.00	39.12 -0.92 0.00	38.39 -1.06 0.00	37.58 -0.96 0.00	40.49 -0.91 0.00	47.14 -0.86 0.00	52.23 -0.63 0.00	57.14 0.00 0.00	61.91 0.19 0.00	54.99 -0.11 0.00	47.28 -0.28 0.00	44.43 -0.40 0.00
DANSKAMMER__1 23586	51.87 2.18 0.00	49.86 2.05 0.00	46.70 1.88 0.00	46.00 1.90 0.00	46.95 1.81 0.00	46.84 1.89 0.00	49.28 2.21 0.00	52.47 2.45 0.00	53.20 2.63 0.00	49.47 2.53 0.00	47.66 2.44 0.00	46.03 2.27 0.00	43.27 2.02 0.00	42.04 2.00 0.00	41.38 1.93 0.00	40.55 2.00 0.00	43.55 2.15 0.00	50.74 2.73 0.00	55.77 2.91 0.00	60.63 3.49 0.00	65.43 3.70 0.00	57.85 2.75 0.00	49.99 2.42 0.00	47.07 2.24 0.00
DANSKAMMER__2 23589	51.87 2.18 0.00	49.86 2.05 0.00	46.70 1.88 0.00	46.00 1.90 0.00	46.95 1.81 0.00	46.84 1.89 0.00	49.28 2.21 0.00	52.47 2.45 0.00	53.20 2.63 0.00	49.47 2.53 0.00	47.66 2.44 0.00	46.03 2.27 0.00	43.27 2.02 0.00	42.04 2.00 0.00	41.38 1.93 0.00	40.55 2.00 0.00	43.55 2.15 0.00	50.74 2.73 0.00	55.77 2.91 0.00	60.63 3.49 0.00	65.43 3.70 0.00	57.85 2.75 0.00	49.99 2.42 0.00	47.07 2.24 0.00
DANSKAMMER__3 23590	51.87 2.18 0.00	49.86 2.05 0.00	46.70 1.88 0.00	46.00 1.90 0.00	46.95 1.81 0.00	46.84 1.89 0.00	49.28 2.21 0.00	52.47 2.45 0.00	53.20 2.63 0.00	49.47 2.53 0.00	47.66 2.44 0.00	46.03 2.27 0.00	43.27 2.02 0.00	42.04 2.00 0.00	41.38 1.93 0.00	40.55 2.00 0.00	43.55 2.15 0.00	50.74 2.73 0.00	55.77 2.91 0.00	60.63 3.49 0.00	65.43 3.70 0.00	57.85 2.75 0.00	49.99 2.42 0.00	47.07 2.24 0.00

DANSKAMMER___4 23591	51.87 2.18 0.00	49.86 2.05 0.00	46.70 1.88 0.00	46.00 1.90 0.00	46.95 1.81 0.00	46.84 1.89 0.00	49.28 2.21 0.00	52.47 2.45 0.00	53.20 2.63 0.00	49.47 2.53 0.00	47.66 2.44 0.00	46.03 2.27 0.00	43.27 2.02 0.00	42.04 2.00 0.00	41.38 1.93 0.00	40.55 2.00 0.00	43.55 2.15 0.00	50.74 2.73 0.00	55.77 2.91 0.00	60.63 3.49 0.00	65.43 3.70 0.00	57.85 2.75 0.00	49.99 2.42 0.00	47.07 2.24 0.00
DANSKAMMER___DIESEL 23592	51.88 2.19 0.00	49.87 2.06 0.00	46.70 1.88 0.00	46.00 1.90 0.00	47.04 1.90 0.00	46.93 1.98 0.00	49.28 2.21 0.00	52.47 2.45 0.00	53.20 2.63 0.00	49.47 2.53 0.00	47.66 2.44 0.00	46.03 2.28 0.00	43.32 2.06 0.00	42.04 2.00 0.00	41.50 2.05 0.00	40.55 2.00 0.00	43.51 2.11 0.00	50.74 2.74 0.00	55.72 2.85 0.00	60.63 3.49 0.00	65.43 3.70 0.00	57.85 2.75 0.00	49.99 2.43 0.00	47.12 2.29 0.00
DARBY___SOLAR 323810	51.93 2.24 0.00	49.96 2.15 0.00	46.70 1.88 0.00	46.00 1.90 0.00	47.09 1.94 0.00	46.93 1.98 0.00	49.19 2.12 0.00	52.22 2.20 0.00	52.79 2.22 0.00	49.00 2.06 0.00	47.20 1.99 0.00	45.55 1.79 0.00	42.70 1.44 0.00	41.48 1.44 0.00	40.91 1.46 0.00	39.93 1.39 0.00	42.97 1.57 0.00	50.11 2.11 0.00	55.51 2.64 0.00	60.46 3.31 0.00	65.18 3.45 0.00	57.69 2.59 0.00	49.80 2.24 0.00	46.94 2.11 0.00
DASHVILLE___HYD 23610	51.38 1.69 0.00	49.39 1.58 0.00	46.30 1.48 0.00	45.60 1.50 0.00	46.64 1.49 0.00	46.48 1.53 0.00	48.81 1.74 0.00	51.92 1.90 0.00	52.59 2.02 0.00	48.91 1.97 0.00	47.12 1.90 0.00	45.55 1.79 0.00	42.82 1.57 0.00	41.60 1.56 0.00	41.07 1.62 0.00	40.12 1.58 0.00	43.05 1.66 0.00	50.21 2.21 0.00	55.14 2.27 0.00	60.00 2.86 0.00	64.69 2.96 0.00	57.25 2.15 0.00	49.51 1.95 0.00	46.67 1.84 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	51.68 1.99 0.00	49.53 1.72 0.00	46.47 1.66 0.00	45.78 1.68 0.00	46.73 1.58 0.00	46.57 1.62 0.00	48.71 1.65 0.00	52.07 2.05 0.00	52.23 1.67 0.00	49.28 2.35 0.00	47.07 1.85 0.00	45.77 2.01 0.00	43.23 1.98 0.00	41.96 1.92 0.00	41.70 2.25 0.00	40.86 2.31 0.00	43.84 2.44 0.00	50.59 2.59 0.00	55.98 3.12 0.00	61.03 3.89 0.00	65.74 4.01 0.00	57.91 2.81 0.00	50.04 2.47 0.00	47.65 2.82 0.00
DELAWARE___LFGE 323621	50.98 1.29 0.00	49.01 1.20 0.00	45.89 1.08 0.00	45.21 1.10 0.00	46.37 1.22 0.00	46.17 1.21 0.00	48.43 1.36 0.00	51.57 1.55 0.00	52.09 1.52 0.00	48.34 1.41 0.00	46.57 1.36 0.00	44.98 1.23 0.00	42.45 1.20 0.00	41.16 1.12 0.00	40.55 1.10 0.00	39.62 1.08 0.00	42.60 1.20 0.00	49.44 1.44 0.00	54.45 1.59 0.00	59.20 2.06 0.00	63.88 2.16 0.00	56.70 1.60 0.00	48.90 1.33 0.00	46.04 1.21 0.00
DERFIELD_115KV_TB7 355931	49.89 0.20 0.00	48.00 0.19 0.00	44.95 0.13 0.00	44.24 0.13 0.00	45.33 0.18 0.00	45.13 0.18 0.00	47.30 0.24 0.00	50.27 0.25 0.00	50.82 0.25 0.00	47.22 0.28 0.00	45.44 0.23 0.00	43.97 0.22 0.00	41.42 0.17 0.00	40.20 0.16 0.00	39.61 0.16 0.00	38.70 0.15 0.00	41.56 0.17 0.00	48.24 0.24 0.00	53.18 0.32 0.00	57.60 0.46 0.00	62.22 0.49 0.00	55.38 0.28 0.00	47.80 0.24 0.00	45.01 0.18 0.00
DOGLEVILLE___HYD 23807	49.74 0.05 0.00	47.81 0.00 0.00	44.77 -0.04 0.00	44.02 -0.09 0.00	45.06 -0.09 0.00	44.77 -0.18 0.00	46.93 -0.14 0.00	49.82 -0.20 0.00	50.37 -0.20 0.00	46.84 -0.09 0.00	45.13 -0.09 0.00	43.50 -0.26 0.00	40.88 -0.37 0.00	39.52 -0.52 0.00	38.82 -0.63 0.00	37.93 -0.62 0.00	40.69 -0.70 0.00	47.28 -0.72 0.00	52.18 -0.69 0.00	56.68 -0.46 0.00	61.29 -0.43 0.00	54.55 -0.55 0.00	47.09 -0.48 0.00	44.47 -0.36 0.00
DUNKIRK___115KV_TB_200 55889	48.45 -1.24 0.00	46.52 -1.29 0.00	43.47 -1.34 0.00	42.65 -1.46 0.00	43.61 -1.53 0.00	43.11 -1.84 0.00	45.80 -1.27 0.00	48.82 -1.20 0.00	48.75 -1.82 0.00	45.01 -1.92 0.00	43.23 -1.99 0.00	42.05 -1.71 0.00	40.26 -0.99 0.00	38.64 -1.40 0.00	37.99 -1.46 0.00	37.66 -0.89 0.00	41.03 -0.37 0.00	46.47 -1.54 0.00	51.07 -1.80 0.00	55.60 -1.54 0.00	60.00 -1.73 0.00	53.39 -1.71 0.00	45.99 -1.57 0.00	42.95 -1.88 0.00
DUNKIRK___1 23563	48.45 -1.24 0.00	46.52 -1.29 0.00	43.47 -1.34 0.00	42.65 -1.46 0.00	43.61 -1.53 0.00	43.11 -1.84 0.00	45.80 -1.27 0.00	48.82 -1.20 0.00	48.75 -1.82 0.00	45.01 -1.92 0.00	43.23 -1.99 0.00	42.05 -1.71 0.00	40.26 -0.99 0.00	38.64 -1.40 0.00	37.99 -1.46 0.00	37.66 -0.89 0.00	41.03 -0.37 0.00	46.47 -1.54 0.00	51.07 -1.80 0.00	55.60 -1.54 0.00	60.00 -1.73 0.00	53.39 -1.71 0.00	45.99 -1.57 0.00	42.95 -1.88 0.00
DUNKIRK___2 23564	48.45 -1.24 0.00	46.52 -1.29 0.00	43.47 -1.34 0.00	42.65 -1.46 0.00	43.61 -1.53 0.00	43.11 -1.84 0.00	45.80 -1.27 0.00	48.82 -1.20 0.00	48.75 -1.82 0.00	45.01 -1.92 0.00	43.23 -1.99 0.00	42.05 -1.71 0.00	40.26 -0.99 0.00	38.64 -1.40 0.00	37.99 -1.46 0.00	37.66 -0.89 0.00	41.03 -0.37 0.00	46.47 -1.54 0.00	51.07 -1.80 0.00	55.60 -1.54 0.00	60.00 -1.73 0.00	53.39 -1.71 0.00	45.99 -1.57 0.00	42.95 -1.88 0.00
DUNKIRK___3 23565	48.15 -1.54 0.00	46.18 -1.63 0.00	43.20 -1.61 0.00	42.39 -1.72 0.00	43.34 -1.81 0.00	42.88 -2.07 0.00	45.47 -1.60 0.00	48.47 -1.55 0.00	48.39 -2.17 0.00	44.68 -2.25 0.00	42.91 -2.31 0.00	41.74 -2.01 0.00	39.98 -1.28 0.00	38.40 -1.64 0.00	37.75 -1.70 0.00	37.43 -1.12 0.00	40.78 -0.62 0.00	46.13 -1.87 0.00	50.70 -2.17 0.00	55.14 -2.00 0.00	59.56 -2.16 0.00	53.01 -2.09 0.00	45.71 -1.85 0.00	42.63 -2.20 0.00
DUNKIRK___4 23566	48.15 -1.54 0.00	46.18 -1.63 0.00	43.20 -1.61 0.00	42.39 -1.72 0.00	43.34 -1.81 0.00	42.88 -2.07 0.00	45.47 -1.60 0.00	48.47 -1.55 0.00	48.39 -2.17 0.00	44.68 -2.25 0.00	42.91 -2.31 0.00	41.74 -2.01 0.00	39.98 -1.28 0.00	38.40 -1.64 0.00	37.75 -1.70 0.00	37.43 -1.12 0.00	40.78 -0.62 0.00	46.13 -1.87 0.00	50.70 -2.17 0.00	55.14 -2.00 0.00	59.56 -2.16 0.00	53.01 -2.09 0.00	45.71 -1.85 0.00	42.63 -2.20 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	52.13 2.43 0.00	50.11 2.29 0.00	46.92 2.11 0.00	46.22 2.12 0.00	47.27 2.12 0.00	47.15 2.20 0.00	49.61 2.54 0.00	52.82 2.80 0.00	53.55 2.98 0.00	49.89 2.96 0.00	48.15 2.94 0.00	46.60 2.84 0.00	43.85 2.60 0.00	42.60 2.56 0.00	42.05 2.60 0.00	41.13 2.58 0.00	44.05 2.65 0.00	51.27 3.26 0.00	56.19 3.33 0.00	61.09 3.94 0.00	65.86 4.14 0.00	58.24 3.14 0.00	50.37 2.81 0.00	47.47 2.64 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	51.53 1.84 0.00	49.53 1.72 0.00	46.38 1.57 0.00	45.69 1.59 0.00	46.73 1.58 0.00	46.62 1.66 0.00	48.95 1.88 0.00	52.12 2.10 0.00	52.84 2.28 0.00	49.14 2.21 0.00	47.34 2.13 0.00	45.77 2.01 0.00	43.11 1.86 0.00	41.84 1.80 0.00	41.26 1.81 0.00	40.36 1.81 0.00	43.30 1.90 0.00	50.40 2.40 0.00	55.35 2.48 0.00	60.17 3.03 0.00	64.93 3.21 0.00	57.47 2.37 0.00	49.66 2.09 0.00	46.85 2.02 0.00

E179THST_138_KV_TB4_REV_LBMP_J 345001	52.93 3.23 -0.01	50.83 3.01 -0.01	47.20 2.38 -0.01	46.49 2.38 -0.01	47.55 2.39 -0.01	47.43 2.47 -0.01	49.90 2.82 -0.01	53.48 3.45 -0.01	54.12 3.54 -0.01	50.36 3.33 -0.09	48.49 3.26 -0.01	46.91 3.15 -0.01	44.15 2.89 -0.01	42.85 2.80 -0.01	42.30 2.84 -0.01	41.40 2.85 -0.01	44.30 2.90 -0.01	52.11 3.74 -0.36	56.79 3.91 -0.01	61.78 4.63 -0.01	66.61 4.88 -0.01	58.91 3.80 -0.01	50.93 3.33 -0.04	48.03 3.18 -0.01
E179THST_13_KV_LOAD 356214	53.13 3.43 -0.01	50.97 3.16 -0.01	47.38 2.55 -0.01	46.67 2.56 -0.01	47.73 2.57 -0.01	47.57 2.61 -0.01	50.04 2.97 -0.01	53.68 3.65 -0.01	54.32 3.74 -0.01	50.55 3.52 -0.09	48.67 3.44 -0.01	47.09 3.33 -0.01	44.36 3.09 -0.01	43.01 2.96 -0.01	42.46 3.00 -0.01	41.56 3.01 -0.01	44.51 3.10 -0.01	52.30 3.94 -0.36	57.00 4.12 -0.01	62.07 4.91 -0.01	66.85 5.12 -0.01	59.13 4.02 -0.01	51.12 3.52 -0.04	48.21 3.36 -0.01
EAST HAMPTON___GT 23717	51.28 1.59 0.00	49.05 1.24 0.00	45.98 1.16 0.00	45.39 1.28 0.00	46.00 0.86 0.00	45.94 0.99 0.00	48.34 1.27 0.00	51.67 1.65 0.00	51.78 1.21 0.00	48.86 1.93 0.00	46.39 1.17 0.00	45.07 1.31 0.00	42.61 1.36 0.00	41.24 1.20 0.00	40.99 1.54 0.00	40.28 1.74 0.00	43.34 1.95 0.00	50.06 2.06 0.00	55.55 2.69 0.00	60.69 3.54 0.00	65.43 3.70 0.00	57.47 2.37 0.00	49.56 2.00 0.00	46.89 2.06 0.00
EAST RIVER___6 23660	52.52 2.83 0.00	50.49 2.68 0.00	47.19 2.37 0.00	46.53 2.42 0.00	47.49 2.35 0.00	47.38 2.43 0.00	49.99 2.92 0.00	53.32 3.30 0.00	54.06 3.49 0.00	50.43 3.42 -0.07	48.57 3.35 0.00	46.99 3.24 0.00	44.23 2.97 0.00	42.92 2.88 0.00	42.33 2.88 0.00	41.51 2.97 0.00	44.46 3.06 0.00	51.82 3.75 -0.07	56.73 3.86 0.00	61.66 4.51 0.00	66.41 4.69 0.00	58.74 3.64 0.00	50.84 3.28 0.00	47.83 3.00 0.00
EAST RIVER___7 23524	52.52 2.83 0.00	50.49 2.68 0.00	47.19 2.37 0.00	46.53 2.42 0.00	47.49 2.35 0.00	47.38 2.43 0.00	49.99 2.92 0.00	53.32 3.30 0.00	54.06 3.49 0.00	50.43 3.42 -0.07	48.57 3.35 0.00	46.99 3.24 0.00	44.23 2.97 0.00	42.92 2.88 0.00	42.33 2.88 0.00	41.51 2.97 0.00	44.46 3.06 0.00	51.82 3.75 -0.07	56.73 3.86 0.00	61.66 4.51 0.00	66.41 4.69 0.00	58.74 3.64 0.00	50.84 3.28 0.00	47.83 3.00 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	51.98 2.29 0.00	49.96 2.15 0.00	46.79 1.97 0.00	46.13 2.03 0.00	47.13 1.99 0.00	47.02 2.07 0.00	49.42 2.35 0.00	52.67 2.65 0.00	53.40 2.83 0.00	49.71 2.77 0.00	47.98 2.76 0.00	46.43 2.67 0.00	43.69 2.43 0.00	42.44 2.40 0.00	41.90 2.45 0.00	40.97 2.43 0.00	43.88 2.48 0.00	51.08 3.07 0.00	56.04 3.17 0.00	60.92 3.77 0.00	65.61 3.89 0.00	58.08 2.98 0.00	50.23 2.66 0.00	47.34 2.51 0.00
EAST_HAMPTON___DIESEL 23722	51.18 1.49 0.00	48.96 1.15 0.00	45.89 1.07 0.00	45.30 1.19 0.00	45.87 0.72 0.00	45.85 0.90 0.00	48.19 1.13 0.00	51.57 1.55 0.00	51.68 1.11 0.00	48.76 1.83 0.00	46.25 1.04 0.00	44.94 1.18 0.00	42.49 1.24 0.00	41.12 1.08 0.00	40.91 1.46 0.00	40.16 1.62 0.00	43.26 1.86 0.00	49.92 1.92 0.00	55.45 2.59 0.00	60.51 3.37 0.00	65.30 3.58 0.00	57.36 2.26 0.00	49.47 1.90 0.00	46.85 2.02 0.00
EAST_POINT___SOLAR 323840	53.57 3.88 0.00	51.49 3.68 0.00	48.22 3.40 0.00	47.46 3.35 0.00	48.62 3.48 0.00	48.50 3.55 0.00	50.74 3.67 0.00	53.72 3.70 0.00	53.96 3.39 0.00	49.33 2.39 0.00	46.84 1.63 0.00	44.94 1.18 0.00	42.66 1.40 0.00	41.28 1.24 0.00	40.83 1.38 0.00	39.43 0.89 0.00	42.47 1.07 0.00	50.21 2.21 0.00	56.88 4.02 0.00	62.69 5.54 0.00	67.71 5.99 0.00	59.78 4.68 0.00	51.46 3.90 0.00	48.33 3.50 0.00
EAST_PULASKI___ESR 323781	49.19 -0.50 0.00	47.33 -0.48 0.00	44.37 -0.45 0.00	43.62 -0.48 0.00	44.70 -0.45 0.00	44.46 -0.49 0.00	46.50 -0.56 0.00	49.47 -0.55 0.00	49.91 -0.66 0.00	46.23 -0.70 0.00	44.49 -0.73 0.00	42.92 -0.83 0.00	40.59 -0.66 0.00	39.27 -0.76 0.00	38.58 -0.87 0.00	37.73 -0.81 0.00	40.65 -0.74 0.00	47.14 -0.86 0.00	52.12 -0.74 0.00	56.75 -0.40 0.00	61.42 -0.31 0.00	54.60 -0.50 0.00	47.04 -0.52 0.00	44.20 -0.63 0.00
EAST_RIVER___1 323558	52.42 2.73 0.00	50.39 2.58 0.00	47.15 2.33 0.00	46.49 2.38 0.00	47.40 2.26 0.00	47.29 2.34 0.00	49.89 2.82 0.00	53.22 3.20 0.00	53.96 3.39 0.00	50.33 3.33 -0.06	48.52 3.30 0.00	46.91 3.15 0.00	44.14 2.89 0.00	42.84 2.80 0.00	42.25 2.80 0.00	41.44 2.89 0.00	44.38 2.98 0.00	51.71 3.65 -0.06	56.62 3.75 0.00	61.54 4.40 0.00	66.29 4.57 0.00	58.63 3.53 0.00	50.75 3.19 0.00	47.74 2.91 0.00
EAST_RIVER___2 323559	52.52 2.83 0.00	50.49 2.68 0.00	47.19 2.37 0.00	46.53 2.42 0.00	47.49 2.35 0.00	47.38 2.43 0.00	49.99 2.92 0.00	53.32 3.30 0.00	54.06 3.49 0.00	50.43 3.42 -0.07	48.57 3.35 0.00	46.99 3.24 0.00	44.23 2.97 0.00	42.92 2.88 0.00	42.33 2.88 0.00	41.51 2.97 0.00	44.46 3.06 0.00	51.82 3.75 -0.07	56.73 3.86 0.00	61.66 4.51 0.00	66.41 4.69 0.00	58.74 3.64 0.00	50.84 3.28 0.00	47.83 3.00 0.00
EAST___DELAWARE_HYD 23607	51.87 2.18 0.00	49.82 2.01 0.00	46.65 1.84 0.00	45.96 1.85 0.00	46.95 1.81 0.00	46.84 1.89 0.00	49.23 2.17 0.00	52.42 2.40 0.00	53.10 2.53 0.00	49.28 2.35 0.00	47.43 2.22 0.00	45.81 2.06 0.00	43.07 1.81 0.00	41.80 1.76 0.00	41.15 1.70 0.00	40.28 1.74 0.00	43.30 1.91 0.00	50.50 2.49 0.00	55.56 2.69 0.00	60.51 3.37 0.00	65.30 3.58 0.00	57.74 2.64 0.00	49.85 2.28 0.00	46.94 2.11 0.00
EIGHT_POINT___WT_PWR 323820	49.39 -0.30 0.00	47.53 -0.29 0.00	44.32 -0.49 0.00	43.62 -0.48 0.00	44.61 -0.54 0.00	44.28 -0.67 0.00	46.79 -0.28 0.00	49.77 -0.25 0.00	49.66 -0.91 0.00	45.53 -1.41 0.00	43.54 -1.67 0.00	42.18 -1.57 0.00	40.39 -0.87 0.00	38.96 -1.08 0.00	38.82 -0.63 0.00	37.97 -0.58 0.00	41.32 -0.08 0.00	47.38 -0.63 0.00	52.28 -0.58 0.00	57.09 -0.06 0.00	61.85 0.12 0.00	54.83 -0.27 0.00	47.18 -0.38 0.00	44.25 -0.58 0.00
ELBRIDGE_115KV_TB2 80188	49.29 -0.40 0.00	47.48 -0.33 0.00	44.46 -0.36 0.00	43.71 -0.40 0.00	44.79 -0.36 0.00	44.59 -0.36 0.00	46.74 -0.33 0.00	49.77 -0.25 0.00	50.22 -0.35 0.00	46.47 -0.47 0.00	44.67 -0.54 0.00	43.23 -0.53 0.00	40.88 -0.37 0.00	39.64 -0.40 0.00	38.98 -0.47 0.00	38.20 -0.35 0.00	41.19 -0.21 0.00	47.62 -0.38 0.00	52.55 -0.32 0.00	56.92 -0.23 0.00	61.54 -0.19 0.00	54.71 -0.39 0.00	47.14 -0.43 0.00	44.29 -0.54 0.00
ELEC_TRO_TEK 24086	51.53 1.84 0.00	49.44 1.63 0.00	46.43 1.61 0.00	45.78 1.68 0.00	46.64 1.49 0.00	46.53 1.57 0.00	48.67 1.60 0.00	51.92 1.90 0.00	52.54 1.97 0.00	49.46 2.53 0.00	47.47 2.26 0.00	45.99 2.23 0.00	43.48 2.23 0.00	42.28 2.24 0.00	41.90 2.45 0.00	41.01 2.47 0.00	43.80 2.40 0.00	50.69 2.69 0.00	55.56 2.70 0.00	60.46 3.31 0.00	65.12 3.39 0.00	57.47 2.37 0.00	49.80 2.24 0.00	47.07 2.24 0.00

ELLENBURG_WT_PWR 323604	50.39 0.70 0.00	48.57 0.76 0.00	45.67 0.85 0.00	44.85 0.75 0.00	45.91 0.77 0.00	45.67 0.72 0.00	47.49 0.42 0.00	50.32 0.30 0.00	50.97 0.40 0.00	47.22 0.28 0.00	45.54 0.32 0.00	44.19 0.44 0.00	41.50 0.25 0.00	40.16 0.12 0.00	39.49 0.04 0.00	38.51 -0.04 0.00	41.23 -0.16 0.00	47.91 -0.10 0.00	52.71 -0.16 0.00	56.86 -0.28 0.00	61.66 -0.06 0.00	55.49 0.39 0.00	47.71 0.14 0.00	45.05 0.23 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	47.50 -2.19 0.00	45.56 -2.25 0.00	42.58 -2.24 0.00	41.77 -2.34 0.00	42.71 -2.44 0.00	42.30 -2.65 0.00	44.81 -2.26 0.00	47.52 -2.50 0.00	47.43 -3.14 0.00	43.84 -3.10 0.00	42.05 -3.17 0.00	41.04 -2.71 0.00	39.32 -1.94 0.00	37.75 -2.28 0.00	37.12 -2.33 0.00	36.89 -1.66 0.00	40.16 -1.24 0.00	45.31 -2.69 0.00	49.80 -3.07 0.00	54.12 -3.03 0.00	58.39 -3.33 0.00	52.07 -3.03 0.00	44.95 -2.62 0.00	41.92 -2.91 0.00
EMPIRE_CC_1 323656	51.08 1.39 0.00	49.15 1.34 0.00	46.03 1.21 0.00	45.34 1.23 0.00	46.37 1.22 0.00	46.21 1.26 0.00	48.53 1.46 0.00	51.57 1.55 0.00	52.19 1.62 0.00	48.67 1.74 0.00	46.89 1.67 0.00	45.33 1.57 0.00	42.57 1.32 0.00	41.40 1.36 0.00	40.83 1.38 0.00	39.93 1.39 0.00	42.81 1.41 0.00	49.73 1.73 0.00	54.82 1.96 0.00	59.37 2.23 0.00	63.94 2.22 0.00	56.81 1.71 0.00	49.13 1.57 0.00	46.31 1.48 0.00
EMPIRE_CC_2 323658	51.08 1.39 0.00	49.15 1.34 0.00	46.03 1.21 0.00	45.34 1.23 0.00	46.37 1.22 0.00	46.21 1.26 0.00	48.53 1.46 0.00	51.57 1.55 0.00	52.19 1.62 0.00	48.67 1.74 0.00	46.89 1.67 0.00	45.33 1.57 0.00	42.57 1.32 0.00	41.40 1.36 0.00	40.83 1.38 0.00	39.93 1.39 0.00	42.81 1.41 0.00	49.73 1.73 0.00	54.82 1.96 0.00	59.37 2.23 0.00	63.94 2.22 0.00	56.81 1.71 0.00	49.13 1.57 0.00	46.31 1.48 0.00
ENORWICH_115KV_TB1 80156	53.17 3.48 0.00	51.21 3.39 0.00	47.91 3.09 0.00	47.10 3.00 0.00	48.40 3.25 0.00	48.10 3.15 0.00	50.60 3.53 0.00	53.92 3.90 0.00	54.01 3.44 0.00	49.61 2.68 0.00	47.57 2.35 0.00	45.64 1.88 0.00	43.15 1.90 0.00	41.52 1.48 0.00	40.71 1.26 0.00	40.05 1.50 0.00	43.47 2.07 0.00	50.69 2.69 0.00	56.25 3.38 0.00	61.89 4.74 0.00	67.09 5.37 0.00	59.23 4.13 0.00	50.75 3.19 0.00	47.61 2.78 0.00
ERIE_ST_34_KV_TB1-2 80199	47.80 -1.89 0.00	45.85 -1.96 0.00	42.89 -1.93 0.00	42.03 -2.07 0.00	43.02 -2.12 0.00	42.57 -2.38 0.00	45.14 -1.93 0.00	48.12 -1.90 0.00	47.99 -2.58 0.00	44.35 -2.58 0.00	42.55 -2.67 0.00	41.44 -2.32 0.00	39.69 -1.57 0.00	38.12 -1.92 0.00	37.48 -1.97 0.00	37.16 -1.39 0.00	40.49 -0.91 0.00	45.84 -2.16 0.00	50.38 -2.48 0.00	54.80 -2.34 0.00	59.13 -2.59 0.00	52.62 -2.48 0.00	45.38 -2.19 0.00	42.32 -2.51 0.00
ERIE_WT_PWR 323693	47.75 -1.94 0.00	45.80 -2.01 0.00	42.85 -1.97 0.00	41.99 -2.12 0.00	42.94 -2.21 0.00	42.48 -2.47 0.00	45.04 -2.02 0.00	47.87 -2.15 0.00	47.74 -2.83 0.00	44.12 -2.81 0.00	42.32 -2.89 0.00	41.31 -2.45 0.00	39.64 -1.61 0.00	38.20 -1.84 0.00	38.03 -1.42 0.00	37.04 -1.50 0.00	40.24 -1.16 0.00	45.60 -2.40 0.00	50.11 -2.75 0.00	54.52 -2.63 0.00	58.82 -2.90 0.00	52.40 -2.70 0.00	45.23 -2.33 0.00	42.41 -2.42 0.00
ESPRGFLD_115KV_TB1 80157	52.32 2.63 0.00	50.30 2.49 0.00	47.10 2.29 0.00	46.40 2.29 0.00	47.63 2.48 0.00	47.42 2.47 0.00	49.66 2.59 0.00	52.87 2.85 0.00	53.25 2.68 0.00	49.19 2.25 0.00	47.30 2.08 0.00	45.51 1.75 0.00	42.99 1.73 0.00	41.60 1.56 0.00	40.99 1.54 0.00	39.97 1.43 0.00	43.05 1.66 0.00	50.26 2.26 0.00	55.83 2.96 0.00	61.03 3.89 0.00	65.98 4.26 0.00	58.46 3.36 0.00	50.27 2.71 0.00	47.25 2.42 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	50.44 0.75 0.00	48.58 0.76 0.00	45.49 0.67 0.00	44.72 0.62 0.00	45.87 0.72 0.00	45.67 0.72 0.00	47.91 0.85 0.00	51.07 1.05 0.00	51.43 0.86 0.00	47.45 0.52 0.00	45.53 0.32 0.00	43.93 0.18 0.00	41.58 0.33 0.00	40.24 0.20 0.00	39.57 0.12 0.00	38.81 0.27 0.00	41.98 0.58 0.00	48.67 0.67 0.00	53.76 0.90 0.00	58.46 1.31 0.00	63.27 1.54 0.00	56.09 0.99 0.00	48.28 0.71 0.00	45.32 0.49 0.00
ETNA____115KV_TB2 80207	50.44 0.75 0.00	48.58 0.76 0.00	45.49 0.67 0.00	44.72 0.62 0.00	45.87 0.72 0.00	45.67 0.72 0.00	47.91 0.85 0.00	51.07 1.05 0.00	51.43 0.86 0.00	47.45 0.52 0.00	45.53 0.32 0.00	43.93 0.18 0.00	41.58 0.33 0.00	40.24 0.20 0.00	39.57 0.12 0.00	38.81 0.27 0.00	41.98 0.58 0.00	48.67 0.67 0.00	53.76 0.90 0.00	58.46 1.31 0.00	63.27 1.54 0.00	56.09 0.99 0.00	48.28 0.71 0.00	45.32 0.49 0.00
EUCLID____115KV_TB2 356179	49.04 -0.65 0.00	47.19 -0.62 0.00	44.19 -0.63 0.00	43.49 -0.62 0.00	44.51 -0.63 0.00	44.32 -0.63 0.00	46.50 -0.56 0.00	49.47 -0.55 0.00	49.91 -0.66 0.00	46.28 -0.66 0.00	44.49 -0.72 0.00	43.06 -0.70 0.00	40.72 -0.54 0.00	39.48 -0.56 0.00	38.82 -0.63 0.00	38.04 -0.50 0.00	40.98 -0.41 0.00	47.38 -0.62 0.00	52.28 -0.58 0.00	56.63 -0.51 0.00	61.23 -0.49 0.00	54.44 -0.66 0.00	46.94 -0.62 0.00	44.11 -0.72 0.00
E_CANADA_CAP_HY 24051	52.97 3.28 0.00	50.92 3.11 0.00	47.69 2.87 0.00	46.93 2.83 0.00	48.08 2.93 0.00	47.92 2.97 0.00	50.17 3.11 0.00	53.22 3.20 0.00	53.55 2.98 0.00	49.33 2.39 0.00	47.34 2.13 0.00	45.59 1.84 0.00	42.99 1.73 0.00	41.64 1.60 0.00	41.07 1.62 0.00	39.93 1.39 0.00	42.93 1.53 0.00	50.40 2.40 0.00	56.41 3.54 0.00	61.83 4.69 0.00	66.79 5.06 0.00	59.18 4.08 0.00	50.94 3.38 0.00	47.88 3.05 0.00
E_CANADA_MHWK_HY 24050	49.74 0.05 0.00	47.81 0.00 0.00	44.77 -0.04 0.00	44.02 -0.09 0.00	45.06 -0.09 0.00	44.77 -0.18 0.00	46.93 -0.14 0.00	49.82 -0.20 0.00	50.37 -0.20 0.00	46.84 -0.09 0.00	45.13 -0.09 0.00	43.50 -0.26 0.00	40.88 -0.37 0.00	39.52 -0.52 0.00	38.82 -0.63 0.00	37.93 -0.62 0.00	40.69 -0.70 0.00	47.28 -0.72 0.00	52.18 -0.69 0.00	56.68 -0.46 0.00	61.29 -0.43 0.00	54.55 -0.55 0.00	47.09 -0.48 0.00	44.47 -0.36 0.00
E_FISHKILL____LBMP 23776	51.58 1.89 0.00	49.58 1.77 0.00	46.43 1.61 0.00	45.74 1.63 0.00	46.82 1.67 0.00	46.66 1.71 0.00	49.00 1.93 0.00	52.22 2.20 0.00	52.89 2.33 0.00	49.28 2.35 0.00	47.52 2.31 0.00	45.99 2.23 0.00	43.28 2.02 0.00	42.04 2.00 0.00	41.50 2.05 0.00	40.55 2.00 0.00	43.47 2.07 0.00	50.55 2.54 0.00	55.51 2.64 0.00	60.29 3.14 0.00	64.93 3.21 0.00	57.52 2.42 0.00	49.75 2.19 0.00	46.89 2.06 0.00
FALCON____SEABRD_CC1 323796	50.98 1.29 0.00	49.20 1.39 0.00	46.21 1.39 0.00	45.39 1.28 0.00	46.46 1.31 0.00	46.21 1.26 0.00	48.06 0.99 0.00	50.92 0.90 0.00	51.58 1.01 0.00	47.73 0.80 0.00	46.07 0.86 0.00	44.72 0.96 0.00	41.95 0.70 0.00	40.64 0.60 0.00	39.96 0.51 0.00	38.93 0.39 0.00	41.65 0.25 0.00	48.43 0.43 0.00	53.24 0.37 0.00	57.55 0.40 0.00	62.47 0.74 0.00	56.20 1.10 0.00	48.28 0.71 0.00	45.54 0.72 0.00

FALCON___SEABRD_CC2 323797	50.98 1.29 0.00	49.20 1.39 0.00	46.21 1.39 0.00	45.39 1.28 0.00	46.46 1.31 0.00	46.21 1.26 0.00	48.06 0.99 0.00	50.92 0.90 0.00	51.58 1.01 0.00	47.73 0.80 0.00	46.07 0.86 0.00	44.72 0.96 0.00	41.95 0.70 0.00	40.64 0.60 0.00	39.96 0.51 0.00	38.93 0.39 0.00	41.65 0.25 0.00	48.43 0.43 0.00	53.24 0.37 0.00	57.55 0.40 0.00	62.47 0.74 0.00	56.20 1.10 0.00	48.28 0.71 0.00	45.54 0.72 0.00
FAR ROCKAWAY___4 23548	52.13 2.43 0.00	50.01 2.20 0.00	46.92 2.11 0.00	46.22 2.12 0.00	47.13 1.99 0.00	47.02 2.07 0.00	49.19 2.12 0.00	52.52 2.50 0.00	53.04 2.48 0.00	49.98 3.05 0.00	47.97 2.76 0.00	46.47 2.71 0.00	43.94 2.68 0.00	42.68 2.64 0.00	42.33 2.88 0.00	41.43 2.89 0.00	44.25 2.86 0.00	51.21 3.22 0.00	56.19 3.33 0.00	61.14 4.00 0.00	65.92 4.20 0.00	58.13 3.03 0.00	50.37 2.81 0.00	47.56 2.73 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	52.42 2.73 0.00	50.39 2.58 0.00	47.15 2.33 0.00	46.49 2.38 0.00	47.49 2.35 0.00	47.38 2.43 0.00	49.89 2.82 0.00	53.22 3.20 0.00	53.96 3.39 0.00	50.34 3.33 -0.07	48.52 3.30 0.00	46.91 3.15 0.00	44.18 2.93 0.00	42.88 2.84 0.00	42.33 2.88 0.00	41.43 2.89 0.00	44.34 2.94 0.00	51.72 3.65 -0.07	56.62 3.75 0.00	61.54 4.40 0.00	66.29 4.57 0.00	58.63 3.53 0.00	50.75 3.19 0.00	47.83 3.00 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	52.42 2.73 0.00	50.39 2.58 0.00	47.15 2.33 0.00	46.49 2.38 0.00	47.49 2.35 0.00	47.38 2.43 0.00	49.89 2.82 0.00	53.22 3.20 0.00	53.96 3.39 0.00	50.34 3.33 -0.07	48.52 3.30 0.00	46.91 3.15 0.00	44.18 2.93 0.00	42.88 2.84 0.00	42.33 2.88 0.00	41.43 2.89 0.00	44.34 2.94 0.00	51.72 3.65 -0.07	56.62 3.75 0.00	61.54 4.40 0.00	66.35 4.63 0.00	58.63 3.53 0.00	50.75 3.19 0.00	47.83 3.00 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	52.42 2.73 0.00	50.39 2.58 0.00	47.15 2.33 0.00	46.44 2.34 0.00	47.49 2.35 0.00	47.38 2.43 0.00	49.89 2.82 0.00	53.17 3.15 0.00	53.91 3.34 0.00	50.34 3.33 -0.07	48.48 3.26 0.00	46.91 3.15 0.00	44.18 2.93 0.00	42.84 2.80 0.00	42.33 2.88 0.00	41.40 2.85 0.00	44.34 2.94 0.00	51.67 3.60 -0.07	56.57 3.70 0.00	61.49 4.34 0.00	66.29 4.57 0.00	58.63 3.53 0.00	50.70 3.14 0.00	47.79 2.96 0.00
FARRAGUT___LBMP 323566	52.37 2.68 0.00	50.34 2.53 0.00	47.10 2.29 0.00	46.44 2.34 0.00	47.45 2.30 0.00	47.33 2.38 0.00	49.84 2.78 0.00	53.17 3.15 0.00	53.86 3.29 0.00	50.29 3.29 -0.07	48.43 3.21 0.00	46.86 3.11 0.00	44.14 2.89 0.00	42.84 2.80 0.00	42.29 2.84 0.00	41.40 2.85 0.00	44.30 2.90 0.00	51.67 3.60 -0.07	56.52 3.65 0.00	61.43 4.29 0.00	66.23 4.51 0.00	58.57 3.47 0.00	50.70 3.14 0.00	47.79 2.96 0.00
FENNER___WINDPWR 24204	50.48 0.79 0.00	48.57 0.76 0.00	45.49 0.67 0.00	44.77 0.66 0.00	45.87 0.72 0.00	45.67 0.72 0.00	47.92 0.85 0.00	50.97 0.95 0.00	51.38 0.81 0.00	47.59 0.66 0.00	45.76 0.54 0.00	44.15 0.39 0.00	41.75 0.50 0.00	40.36 0.32 0.00	39.76 0.31 0.00	38.89 0.35 0.00	41.90 0.50 0.00	48.62 0.62 0.00	53.71 0.84 0.00	58.40 1.26 0.00	63.20 1.48 0.00	56.09 0.99 0.00	48.28 0.71 0.00	45.41 0.58 0.00
FIBERTEK___ENERGY 23856	49.54 -0.15 0.00	47.71 -0.10 0.00	44.68 -0.13 0.00	43.93 -0.18 0.00	45.01 -0.14 0.00	44.82 -0.13 0.00	46.97 -0.09 0.00	50.02 0.00 0.00	50.52 -0.05 0.00	46.75 -0.19 0.00	44.95 -0.27 0.00	43.45 -0.31 0.00	41.13 -0.12 0.00	39.88 -0.16 0.00	39.21 -0.24 0.00	38.39 -0.15 0.00	41.40 0.00 0.00	47.86 -0.14 0.00	52.81 -0.05 0.00	57.26 0.11 0.00	61.91 0.19 0.00	54.99 -0.11 0.00	47.37 -0.19 0.00	44.56 -0.27 0.00
FITZPATRICK____ 23598	48.45 -1.24 0.00	46.62 -1.19 0.00	43.65 -1.17 0.00	42.96 -1.15 0.00	43.97 -1.17 0.00	43.78 -1.17 0.00	45.89 -1.17 0.00	48.82 -1.20 0.00	49.25 -1.32 0.00	45.67 -1.27 0.00	43.95 -1.27 0.00	42.53 -1.22 0.00	40.22 -1.03 0.00	39.00 -1.04 0.00	38.42 -1.03 0.00	37.54 -1.00 0.00	40.40 -0.99 0.00	46.75 -1.25 0.00	51.55 -1.32 0.00	55.83 -1.31 0.00	60.31 -1.42 0.00	53.72 -1.38 0.00	46.33 -1.24 0.00	43.62 -1.21 0.00
FLOWRFLD_69_KV_BK1 356044	51.58 1.89 0.00	49.44 1.63 0.00	46.47 1.66 0.00	45.83 1.72 0.00	46.68 1.53 0.00	46.53 1.57 0.00	48.62 1.55 0.00	51.92 1.90 0.00	52.28 1.72 0.00	49.28 2.35 0.00	47.38 2.17 0.00	45.99 2.23 0.00	43.52 2.27 0.00	42.28 2.24 0.00	42.01 2.56 0.00	41.20 2.66 0.00	44.05 2.65 0.00	50.78 2.78 0.00	55.87 3.01 0.00	60.74 3.60 0.00	65.43 3.70 0.00	57.69 2.59 0.00	49.99 2.43 0.00	47.43 2.60 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	51.98 2.29 0.00	49.91 2.10 0.00	46.79 1.97 0.00	46.09 1.98 0.00	47.13 1.99 0.00	46.97 2.02 0.00	49.33 2.26 0.00	52.52 2.50 0.00	53.30 2.73 0.00	49.52 2.58 0.00	47.70 2.49 0.00	46.12 2.36 0.00	43.36 2.10 0.00	42.12 2.08 0.00	41.54 2.09 0.00	40.59 2.04 0.00	43.55 2.15 0.00	50.83 2.83 0.00	55.83 2.96 0.00	60.74 3.60 0.00	65.55 3.83 0.00	57.91 2.81 0.00	50.08 2.52 0.00	47.21 2.38 0.00
FORT ORANGE____ 23900	50.53 0.84 0.00	48.62 0.81 0.00	45.53 0.71 0.00	44.85 0.75 0.00	45.87 0.72 0.00	45.76 0.81 0.00	48.01 0.94 0.00	51.02 1.00 0.00	51.58 1.01 0.00	47.97 1.03 0.00	46.12 0.90 0.00	44.59 0.83 0.00	41.91 0.66 0.00	40.76 0.72 0.00	40.24 0.79 0.00	39.31 0.77 0.00	42.18 0.78 0.00	49.06 1.05 0.00	54.19 1.32 0.00	58.74 1.60 0.00	63.33 1.60 0.00	56.20 1.10 0.00	48.56 1.00 0.00	45.73 0.90 0.00
FORT_DRUM_COGEN 23780	50.09 0.40 0.00	48.19 0.38 0.00	45.17 0.36 0.00	44.46 0.35 0.00	45.55 0.41 0.00	45.27 0.31 0.00	47.35 0.28 0.00	50.27 0.25 0.00	50.47 -0.10 0.00	46.61 -0.33 0.00	44.76 -0.45 0.00	43.10 -0.66 0.00	40.55 -0.70 0.00	39.00 -1.04 0.00	38.23 -1.22 0.00	37.46 -1.08 0.00	40.45 -0.95 0.00	47.23 -0.77 0.00	52.55 -0.32 0.00	57.83 0.69 0.00	62.77 1.05 0.00	55.65 0.55 0.00	47.66 0.10 0.00	44.78 -0.04 0.00
FOX_HILLS___ESR 323835	52.63 2.93 -0.01	50.50 2.68 -0.01	49.79 2.82 -2.15	49.74 2.82 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	50.87 3.15 -0.65	53.38 3.35 -0.01	54.07 3.49 -0.01	53.74 3.43 -3.37	52.49 3.39 -3.89	51.57 3.24 -4.58	51.79 3.01 -7.52	50.67 2.88 -7.75	50.84 2.96 -8.43	50.97 2.93 -9.49	50.98 3.02 -6.56	54.60 3.79 -2.81	56.79 3.91 -0.01	61.84 4.69 -0.01	66.67 4.94 -0.01	58.85 3.75 -0.01	51.22 3.28 -0.37	50.59 3.14 -2.62
FPL FAR_ROCK_GT1 24212	52.13 2.43 0.00	49.96 2.15 0.00	46.83 2.02 0.00	46.22 2.12 0.00	46.86 1.72 0.00	46.84 1.89 0.00	49.19 2.12 0.00	52.52 2.50 0.00	53.04 2.48 0.00	49.98 3.05 0.00	47.97 2.76 0.00	46.38 2.63 0.00	43.90 2.64 0.00	42.60 2.56 0.00	42.25 2.80 0.00	41.44 2.89 0.00	44.29 2.90 0.00	51.21 3.22 0.00	56.19 3.33 0.00	61.14 4.00 0.00	65.92 4.20 0.00	58.13 3.03 0.00	50.32 2.76 0.00	47.29 2.46 0.00

FPL FAR_ROCK_GT2 23815	52.13 2.43 0.00	49.96 2.15 0.00	46.83 2.02 0.00	46.22 2.12 0.00	46.86 1.72 0.00	46.84 1.89 0.00	49.19 2.12 0.00	52.52 2.50 0.00	53.04 2.48 0.00	49.98 3.05 0.00	47.97 2.76 0.00	46.38 2.63 0.00	43.90 2.64 0.00	42.60 2.56 0.00	42.25 2.80 0.00	41.44 2.89 0.00	44.29 2.90 0.00	51.21 3.22 0.00	56.19 3.33 0.00	61.14 4.00 0.00	65.92 4.20 0.00	58.13 3.03 0.00	50.32 2.76 0.00	47.29 2.46 0.00
FRANKLIN_FALL_HYD 24054	50.54 0.84 0.00	48.72 0.91 0.00	45.80 0.99 0.00	45.03 0.93 0.00	45.87 0.72 0.00	45.72 0.76 0.00	47.63 0.56 0.00	50.47 0.45 0.00	51.13 0.56 0.00	47.31 0.38 0.00	45.71 0.50 0.00	44.41 0.66 0.00	41.67 0.41 0.00	40.32 0.28 0.00	39.61 0.16 0.00	38.54 0.00 0.00	41.23 -0.17 0.00	47.91 -0.10 0.00	52.60 -0.26 0.00	56.97 -0.17 0.00	61.97 0.25 0.00	55.82 0.72 0.00	47.94 0.38 0.00	45.28 0.45 0.00
FREEPORT_EQUS_GT1 23764	51.63 1.94 0.00	49.48 1.67 0.00	46.43 1.61 0.00	45.82 1.72 0.00	46.41 1.26 0.00	46.39 1.44 0.00	48.71 1.65 0.00	51.97 1.95 0.00	52.53 1.97 0.00	49.46 2.53 0.00	47.52 2.30 0.00	45.94 2.19 0.00	43.56 2.31 0.00	42.28 2.24 0.00	41.94 2.49 0.00	41.13 2.58 0.00	44.01 2.61 0.00	50.78 2.78 0.00	55.71 2.85 0.00	60.63 3.49 0.00	65.30 3.58 0.00	57.64 2.54 0.00	49.89 2.33 0.00	46.89 2.06 0.00
FREEPORT___CT2 23818	51.63 1.94 0.00	49.48 1.67 0.00	46.43 1.61 0.00	45.82 1.72 0.00	46.41 1.26 0.00	46.39 1.44 0.00	48.71 1.65 0.00	51.97 1.95 0.00	52.53 1.97 0.00	49.46 2.53 0.00	47.52 2.30 0.00	45.94 2.19 0.00	43.56 2.31 0.00	42.28 2.24 0.00	41.94 2.49 0.00	41.13 2.58 0.00	44.01 2.61 0.00	50.78 2.78 0.00	55.71 2.85 0.00	60.63 3.49 0.00	65.30 3.58 0.00	57.64 2.54 0.00	49.89 2.33 0.00	46.89 2.06 0.00
FRESHKLS_33_KV_LOAD 356253	52.48 2.78 -0.01	50.30 2.49 -0.01	49.75 2.78 -2.15	49.70 2.78 -2.81	50.46 2.80 -2.51	50.41 2.83 -2.63	50.78 3.06 -0.65	53.18 3.15 -0.01	53.87 3.29 -0.01	53.01 3.24 -2.84	51.05 3.21 -2.63	51.05 3.06 -4.23	51.04 2.85 -6.94	49.91 2.72 -7.15	49.99 2.76 -7.78	50.08 2.78 -8.76	50.31 2.86 -6.06	54.22 3.60 -2.62	56.63 3.75 -0.01	61.61 4.46 -0.01	66.42 4.69 -0.01	58.63 3.53 -0.01	51.01 3.09 -0.36	50.41 2.96 -2.62
FULTON COGEN____ 23766	48.80 -0.89 0.00	47.00 -0.81 0.00	44.01 -0.81 0.00	43.27 -0.84 0.00	44.33 -0.81 0.00	44.14 -0.81 0.00	46.27 -0.80 0.00	49.22 -0.80 0.00	49.71 -0.86 0.00	46.04 -0.89 0.00	44.27 -0.95 0.00	42.79 -0.96 0.00	40.47 -0.78 0.00	39.24 -0.80 0.00	38.58 -0.87 0.00	37.77 -0.77 0.00	40.74 -0.66 0.00	47.14 -0.86 0.00	51.97 -0.90 0.00	56.34 -0.80 0.00	60.92 -0.80 0.00	54.16 -0.94 0.00	46.71 -0.86 0.00	43.89 -0.94 0.00
FULTON___LFGE 323630	53.02 3.33 0.00	50.97 3.15 0.00	47.73 2.91 0.00	46.97 2.87 0.00	48.13 2.98 0.00	47.96 3.01 0.00	50.22 3.15 0.00	53.27 3.25 0.00	53.60 3.03 0.00	49.42 2.49 0.00	47.43 2.22 0.00	45.73 1.97 0.00	43.07 1.81 0.00	41.72 1.68 0.00	41.15 1.70 0.00	40.01 1.46 0.00	43.10 1.70 0.00	50.59 2.59 0.00	56.51 3.64 0.00	61.94 4.80 0.00	66.84 5.12 0.00	59.12 4.02 0.00	50.89 3.33 0.00	47.88 3.05 0.00
G.F.CEMENT___DRP 24184	52.52 2.83 0.00	50.49 2.68 0.00	47.15 2.33 0.00	46.49 2.38 0.00	47.63 2.48 0.00	47.51 2.56 0.00	49.66 2.59 0.00	52.67 2.65 0.00	53.30 2.73 0.00	49.47 2.53 0.00	47.61 2.40 0.00	45.99 2.23 0.00	43.07 1.82 0.00	41.80 1.76 0.00	41.26 1.81 0.00	40.16 1.62 0.00	43.22 1.82 0.00	50.55 2.54 0.00	56.09 3.22 0.00	61.20 4.06 0.00	66.04 4.32 0.00	58.30 3.20 0.00	50.27 2.71 0.00	47.43 2.60 0.00
GARDENVILLE___LBMP 24039	47.60 -2.09 0.00	45.71 -2.10 0.00	42.71 -2.11 0.00	41.90 -2.21 0.00	42.84 -2.30 0.00	42.43 -2.52 0.00	44.95 -2.12 0.00	47.72 -2.30 0.00	47.64 -2.93 0.00	44.03 -2.91 0.00	42.23 -2.98 0.00	41.17 -2.58 0.00	39.44 -1.82 0.00	37.87 -2.16 0.00	37.24 -2.21 0.00	36.96 -1.58 0.00	40.28 -1.12 0.00	45.46 -2.54 0.00	50.01 -2.85 0.00	54.34 -2.80 0.00	58.64 -3.09 0.00	52.29 -2.81 0.00	45.09 -2.47 0.00	42.09 -2.73 0.00
GARDNVLA_35_KV_LD 355827	47.80 -1.89 0.00	45.85 -1.96 0.00	42.84 -1.97 0.00	42.03 -2.07 0.00	42.98 -2.17 0.00	42.57 -2.38 0.00	45.09 -1.98 0.00	47.92 -2.10 0.00	47.79 -2.78 0.00	44.17 -2.77 0.00	42.37 -2.85 0.00	41.31 -2.45 0.00	39.60 -1.65 0.00	38.04 -2.00 0.00	37.40 -2.05 0.00	37.12 -1.43 0.00	40.45 -0.95 0.00	45.65 -2.35 0.00	50.17 -2.70 0.00	54.57 -2.57 0.00	58.88 -2.84 0.00	52.46 -2.64 0.00	45.28 -2.28 0.00	42.23 -2.60 0.00
GELCKHM___115KV_LOAD 80723	49.19 -0.50 0.00	47.38 -0.43 0.00	44.37 -0.45 0.00	43.62 -0.49 0.00	44.70 -0.45 0.00	44.50 -0.45 0.00	46.64 -0.42 0.00	49.67 -0.35 0.00	50.11 -0.46 0.00	46.42 -0.52 0.00	44.63 -0.59 0.00	43.19 -0.57 0.00	40.84 -0.41 0.00	39.60 -0.44 0.00	38.98 -0.47 0.00	38.16 -0.39 0.00	41.15 -0.25 0.00	47.57 -0.43 0.00	52.44 -0.42 0.00	56.86 -0.29 0.00	61.48 -0.25 0.00	54.60 -0.50 0.00	47.09 -0.48 0.00	44.25 -0.58 0.00
GENERAL___MILLS 23808	47.70 -1.99 0.00	45.80 -2.01 0.00	42.80 -2.02 0.00	41.94 -2.16 0.00	42.93 -2.21 0.00	42.48 -2.47 0.00	45.00 -2.07 0.00	47.82 -2.20 0.00	47.74 -2.83 0.00	44.12 -2.82 0.00	42.28 -2.94 0.00	41.22 -2.54 0.00	39.52 -1.73 0.00	37.95 -2.08 0.00	37.32 -2.13 0.00	37.04 -1.50 0.00	40.36 -1.03 0.00	45.55 -2.45 0.00	50.06 -2.80 0.00	54.46 -2.69 0.00	58.76 -2.96 0.00	52.34 -2.76 0.00	45.19 -2.38 0.00	42.14 -2.69 0.00
GE_PLASTICS___DRP 24183	50.44 0.75 0.00	48.53 0.72 0.00	45.44 0.63 0.00	44.77 0.66 0.00	45.87 0.72 0.00	45.72 0.76 0.00	47.91 0.85 0.00	50.92 0.90 0.00	51.53 0.96 0.00	47.92 0.99 0.00	46.12 0.90 0.00	44.63 0.88 0.00	41.96 0.70 0.00	40.84 0.80 0.00	40.36 0.91 0.00	39.35 0.81 0.00	42.18 0.79 0.00	49.01 1.01 0.00	54.03 1.16 0.00	58.57 1.43 0.00	63.14 1.42 0.00	56.09 0.99 0.00	48.47 0.90 0.00	45.68 0.85 0.00
GILBOA___1 23756	50.53 0.84 0.00	48.62 0.81 0.00	45.53 0.71 0.00	44.85 0.75 0.00	46.05 0.90 0.00	45.85 0.90 0.00	47.96 0.89 0.00	51.07 1.05 0.00	51.63 1.06 0.00	48.02 1.08 0.00	46.26 1.04 0.00	44.76 1.01 0.00	42.16 0.91 0.00	41.08 1.04 0.00	40.47 1.02 0.00	39.47 0.92 0.00	42.35 0.95 0.00	49.15 1.15 0.00	54.13 1.27 0.00	58.57 1.43 0.00	63.14 1.42 0.00	56.20 1.10 0.00	48.56 1.00 0.00	45.77 0.94 0.00
GILBOA___2 23757	50.53 0.84 0.00	48.62 0.81 0.00	45.53 0.71 0.00	44.85 0.75 0.00	46.05 0.90 0.00	45.85 0.90 0.00	47.96 0.89 0.00	51.07 1.05 0.00	51.63 1.06 0.00	48.02 1.08 0.00	46.26 1.04 0.00	44.76 1.01 0.00	42.16 0.91 0.00	41.08 1.04 0.00	40.47 1.02 0.00	39.47 0.92 0.00	42.35 0.95 0.00	49.15 1.15 0.00	54.13 1.27 0.00	58.57 1.43 0.00	63.14 1.42 0.00	56.20 1.10 0.00	48.56 1.00 0.00	45.77 0.94 0.00

GILBOA___3 23758	50.53 0.84 0.00	48.62 0.81 0.00	45.53 0.71 0.00	44.85 0.75 0.00	46.05 0.90 0.00	45.85 0.90 0.00	47.96 0.89 0.00	51.07 1.05 0.00	51.63 1.06 0.00	48.02 1.08 0.00	46.26 1.04 0.00	44.76 1.01 0.00	42.16 0.91 0.00	41.08 1.04 0.00	40.47 1.02 0.00	39.47 0.92 0.00	42.35 0.95 0.00	49.15 1.15 0.00	54.13 1.27 0.00	58.57 1.43 0.00	63.14 1.42 0.00	56.20 1.10 0.00	48.56 1.00 0.00	45.77 0.94 0.00
GILBOA___4 23759	50.53 0.84 0.00	48.62 0.81 0.00	45.53 0.71 0.00	44.85 0.75 0.00	46.05 0.90 0.00	45.85 0.90 0.00	47.96 0.89 0.00	51.07 1.05 0.00	51.63 1.06 0.00	48.02 1.08 0.00	46.26 1.04 0.00	44.76 1.01 0.00	42.16 0.91 0.00	41.08 1.04 0.00	40.47 1.02 0.00	39.47 0.92 0.00	42.35 0.95 0.00	49.15 1.15 0.00	54.13 1.27 0.00	58.57 1.43 0.00	63.14 1.42 0.00	56.20 1.10 0.00	48.56 1.00 0.00	45.77 0.94 0.00
GILBOA___ 23599	50.54 0.84 0.00	48.62 0.81 0.00	45.53 0.72 0.00	44.85 0.75 0.00	46.09 0.95 0.00	45.90 0.94 0.00	47.96 0.89 0.00	51.07 1.05 0.00	51.63 1.06 0.00	48.01 1.08 0.00	46.26 1.04 0.00	44.76 1.01 0.00	42.16 0.91 0.00	41.08 1.04 0.00	40.55 1.10 0.00	39.47 0.93 0.00	42.35 0.95 0.00	49.15 1.15 0.00	54.13 1.27 0.00	58.57 1.43 0.00	63.14 1.42 0.00	56.20 1.10 0.00	48.56 1.00 0.00	45.77 0.94 0.00
GINNA___ 23603	46.71 -2.98 0.00	44.85 -2.96 0.00	41.99 -2.82 0.00	41.24 -2.87 0.00	42.21 -2.93 0.00	41.98 -2.97 0.00	44.05 -3.01 0.00	46.82 -3.20 0.00	47.18 -3.39 0.00	43.65 -3.29 0.00	41.74 -3.48 0.00	40.56 -3.19 0.00	38.45 -2.81 0.00	37.15 -2.88 0.00	36.77 -2.68 0.00	35.92 -2.62 0.00	38.83 -2.57 0.00	44.69 -3.31 0.00	49.43 -3.44 0.00	53.55 -3.60 0.00	57.90 -3.83 0.00	51.52 -3.58 0.00	44.47 -3.09 0.00	41.65 -3.18 0.00
GLEN PARK___ 23778	50.24 0.55 0.00	48.34 0.53 0.00	45.31 0.49 0.00	44.55 0.44 0.00	45.78 0.63 0.00	45.45 0.50 0.00	47.49 0.42 0.00	50.42 0.40 0.00	50.57 0.00 0.00	46.66 -0.28 0.00	44.81 -0.41 0.00	43.10 -0.66 0.00	40.55 -0.70 0.00	38.96 -1.08 0.00	38.23 -1.22 0.00	37.46 -1.08 0.00	40.45 -0.95 0.00	47.28 -0.72 0.00	52.65 -0.21 0.00	58.06 0.91 0.00	63.08 1.36 0.00	55.87 0.77 0.00	47.80 0.24 0.00	44.92 0.09 0.00
GLENDALE_27_KV_LOAD 356172	52.83 3.13 -0.01	50.78 2.96 -0.01	47.51 2.69 -0.01	46.80 2.69 -0.01	47.86 2.71 -0.01	47.75 2.79 -0.01	50.30 3.20 -0.03	53.58 3.55 -0.01	54.32 3.74 -0.01	51.31 3.66 -0.71	50.20 3.62 -1.37	47.72 3.46 -0.51	45.31 3.22 -0.84	44.03 3.12 -0.87	43.55 3.16 -0.94	42.77 3.16 -1.06	45.40 3.27 -0.73	52.35 3.98 -0.36	57.05 4.18 -0.01	62.01 4.86 -0.01	66.85 5.12 -0.01	59.08 3.97 -0.01	51.17 3.57 -0.04	48.16 3.32 -0.01
GLENWOOD_IC_1_G5 23712	51.98 2.29 0.00	49.91 2.10 0.00	46.79 1.97 0.00	46.13 2.03 0.00	47.09 1.94 0.00	46.97 2.02 0.00	49.23 2.17 0.00	52.52 2.50 0.00	53.14 2.58 0.00	49.79 2.86 0.00	47.93 2.71 0.00	46.43 2.67 0.00	43.81 2.56 0.00	42.56 2.52 0.00	42.13 2.68 0.00	41.24 2.70 0.00	44.09 2.69 0.00	51.12 3.12 0.00	55.87 3.01 0.00	60.80 3.66 0.00	65.49 3.77 0.00	57.85 2.75 0.00	50.23 2.66 0.00	47.43 2.60 0.00
GLENWOOD_IC_2_G1 23688	51.93 2.24 0.00	49.86 2.05 0.00	46.70 1.88 0.00	46.09 1.99 0.00	46.91 1.76 0.00	46.84 1.89 0.00	49.28 2.21 0.00	52.52 2.50 0.00	53.19 2.63 0.00	49.75 2.82 0.00	47.92 2.71 0.00	46.34 2.58 0.00	43.69 2.43 0.00	42.44 2.40 0.00	41.94 2.49 0.00	41.13 2.58 0.00	44.01 2.61 0.00	51.07 3.07 0.00	55.98 3.12 0.00	60.86 3.71 0.00	65.55 3.83 0.00	57.96 2.86 0.00	50.18 2.61 0.00	47.20 2.37 0.00
GLENWOOD_IC_3_G1 23689	51.93 2.24 0.00	49.86 2.05 0.00	46.70 1.88 0.00	46.09 1.99 0.00	46.91 1.76 0.00	46.84 1.89 0.00	49.28 2.21 0.00	52.52 2.50 0.00	53.19 2.63 0.00	49.75 2.82 0.00	47.92 2.71 0.00	46.34 2.58 0.00	43.69 2.43 0.00	42.44 2.40 0.00	41.94 2.49 0.00	41.13 2.58 0.00	44.01 2.61 0.00	51.07 3.07 0.00	55.98 3.12 0.00	60.86 3.71 0.00	65.55 3.83 0.00	57.96 2.86 0.00	50.18 2.61 0.00	47.20 2.37 0.00
GLENWOOD___4 23550	51.98 2.29 0.00	49.91 2.10 0.00	46.79 1.97 0.00	46.13 2.03 0.00	47.09 1.94 0.00	46.97 2.02 0.00	49.23 2.17 0.00	52.52 2.50 0.00	53.14 2.58 0.00	49.79 2.86 0.00	47.93 2.71 0.00	46.43 2.67 0.00	43.81 2.56 0.00	42.56 2.52 0.00	42.13 2.68 0.00	41.24 2.70 0.00	44.09 2.69 0.00	51.12 3.12 0.00	55.93 3.07 0.00	60.86 3.71 0.00	65.55 3.83 0.00	57.91 2.81 0.00	50.23 2.66 0.00	47.43 2.60 0.00
GLENWOOD___5 23614	51.98 2.29 0.00	49.91 2.10 0.00	46.79 1.97 0.00	46.13 2.03 0.00	47.09 1.94 0.00	46.97 2.02 0.00	49.23 2.17 0.00	52.52 2.50 0.00	53.14 2.58 0.00	49.79 2.86 0.00	47.93 2.71 0.00	46.43 2.67 0.00	43.81 2.56 0.00	42.56 2.52 0.00	42.13 2.68 0.00	41.24 2.70 0.00	44.09 2.69 0.00	51.12 3.12 0.00	55.93 3.07 0.00	60.86 3.71 0.00	65.55 3.83 0.00	57.91 2.81 0.00	50.23 2.66 0.00	47.43 2.60 0.00
GLOBAL GREEN_PORT_GT1 23814	51.68 1.99 0.00	49.44 1.63 0.00	46.34 1.52 0.00	45.74 1.63 0.00	46.37 1.22 0.00	46.30 1.35 0.00	48.71 1.65 0.00	52.07 2.05 0.00	52.18 1.62 0.00	49.23 2.30 0.00	46.89 1.67 0.00	45.51 1.75 0.00	43.07 1.81 0.00	41.68 1.64 0.00	41.42 1.97 0.00	40.70 2.16 0.00	43.80 2.40 0.00	50.54 2.54 0.00	56.03 3.17 0.00	61.08 3.94 0.00	65.86 4.14 0.00	57.91 2.81 0.00	49.99 2.42 0.00	47.16 2.33 0.00
GLOBE___DSASP 323697	46.36 -3.33 0.00	44.51 -3.30 0.00	41.59 -3.23 0.00	40.80 -3.31 0.00	41.49 -3.66 0.00	41.13 -3.82 0.00	43.54 -3.53 0.00	46.02 -4.00 0.00	45.92 -4.65 0.00	42.48 -4.46 0.00	40.70 -4.52 0.00	39.82 -3.94 0.00	38.20 -3.05 0.00	36.71 -3.32 0.00	36.06 -3.39 0.00	35.88 -2.66 0.00	39.08 -2.32 0.00	43.87 -4.13 0.00	48.16 -4.70 0.00	52.29 -4.86 0.00	56.42 -5.31 0.00	50.36 -4.74 0.00	43.52 -4.04 0.00	40.66 -4.17 0.00
GOETHSLN___LBMP 323567	52.23 2.53 0.00	50.25 2.44 0.00	46.97 2.15 0.00	46.27 2.16 0.00	47.27 2.12 0.00	47.20 2.25 0.00	49.70 2.64 0.00	53.02 3.00 0.00	53.76 3.19 0.00	50.20 3.19 -0.07	48.34 3.12 0.00	46.78 3.02 0.00	44.06 2.81 0.00	42.76 2.72 0.00	42.21 2.76 0.00	41.32 2.78 0.00	44.21 2.82 0.00	51.53 3.46 -0.07	56.36 3.49 0.00	61.20 4.06 0.00	65.98 4.26 0.00	58.35 3.25 0.00	50.56 3.00 0.00	47.65 2.82 0.00
GOLAH___69_KV_TB 1_2 80279	48.45 -1.24 0.00	46.57 -1.24 0.00	43.56 -1.25 0.00	42.83 -1.28 0.00	43.88 -1.26 0.00	43.60 -1.35 0.00	45.84 -1.22 0.00	48.57 -1.45 0.00	48.65 -1.92 0.00	44.87 -2.07 0.00	42.96 -2.26 0.00	41.79 -1.97 0.00	39.69 -1.57 0.00	38.32 -1.72 0.00	37.64 -1.81 0.00	37.19 -1.35 0.00	40.36 -1.03 0.00	46.13 -1.87 0.00	50.96 -1.90 0.00	55.37 -1.77 0.00	59.81 -1.91 0.00	53.34 -1.76 0.00	46.04 -1.52 0.00	43.04 -1.79 0.00

GOODYEAR_LAKE_HYD 323669	51.53 1.84 0.00	49.58 1.77 0.00	46.43 1.61 0.00	45.69 1.59 0.00	46.91 1.76 0.00	46.71 1.75 0.00	48.95 1.88 0.00	52.17 2.15 0.00	52.69 2.12 0.00	48.81 1.88 0.00	46.98 1.76 0.00	45.33 1.58 0.00	42.78 1.53 0.00	41.44 1.40 0.00	40.83 1.38 0.00	39.85 1.31 0.00	42.93 1.53 0.00	49.87 1.87 0.00	55.03 2.17 0.00	60.00 2.86 0.00	64.81 3.09 0.00	57.47 2.37 0.00	49.47 1.90 0.00	46.53 1.70 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	49.69 0.00 0.00	47.81 0.00 0.00	44.77 -0.04 0.00	44.06 -0.04 0.00	45.15 0.00 0.00	44.91 -0.04 0.00	47.21 0.14 0.00	50.32 0.30 0.00	50.72 0.15 0.00	46.89 -0.05 0.00	45.08 -0.14 0.00	43.62 -0.13 0.00	41.34 0.08 0.00	40.00 -0.04 0.00	39.37 -0.08 0.00	38.62 0.08 0.00	41.73 0.33 0.00	48.15 0.14 0.00	52.97 0.11 0.00	57.49 0.34 0.00	62.16 0.43 0.00	55.21 0.11 0.00	47.56 0.00 0.00	44.70 -0.13 0.00
GOUDEY___7 23579	49.69 0.00 0.00	47.81 0.00 0.00	44.77 -0.04 0.00	44.06 -0.04 0.00	45.15 0.00 0.00	44.91 -0.04 0.00	47.21 0.14 0.00	50.32 0.30 0.00	50.72 0.15 0.00	46.89 -0.05 0.00	45.08 -0.14 0.00	43.62 -0.13 0.00	41.34 0.08 0.00	40.00 -0.04 0.00	39.37 -0.08 0.00	38.62 0.08 0.00	41.73 0.33 0.00	48.15 0.14 0.00	52.97 0.11 0.00	57.49 0.34 0.00	62.16 0.43 0.00	55.21 0.11 0.00	47.56 0.00 0.00	44.70 -0.13 0.00
GOUDEY___8 23580	49.69 0.00 0.00	47.81 0.00 0.00	44.77 -0.04 0.00	44.06 -0.04 0.00	45.15 0.00 0.00	44.91 -0.04 0.00	47.21 0.14 0.00	50.32 0.30 0.00	50.72 0.15 0.00	46.89 -0.05 0.00	45.08 -0.14 0.00	43.62 -0.13 0.00	41.34 0.08 0.00	40.00 -0.04 0.00	39.37 -0.08 0.00	38.62 0.08 0.00	41.73 0.33 0.00	48.15 0.14 0.00	52.97 0.11 0.00	57.49 0.34 0.00	62.16 0.43 0.00	55.21 0.11 0.00	47.56 0.00 0.00	44.70 -0.13 0.00
GOWANUS_GT1_1 24077	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.87 3.08 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.80 3.98 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.08 3.97 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62
GOWANUS_GT1_2 24078	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.87 3.08 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.80 3.98 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.08 3.97 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62
GOWANUS_GT1_3 24079	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.87 3.08 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.80 3.98 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.08 3.97 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62
GOWANUS_GT1_4 24080	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.87 3.08 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.80 3.98 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.08 3.97 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62
GOWANUS_GT1_5 24084	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.87 3.08 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.80 3.98 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.08 3.97 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62
GOWANUS_GT1_6 24111	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.87 3.08 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.80 3.98 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.08 3.97 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62
GOWANUS_GT1_7 24112	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.87 3.08 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.80 3.98 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.08 3.97 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62
GOWANUS_GT1_8 24113	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.87 3.08 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.80 3.98 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.08 3.97 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62
GOWANUS_GT2_1 24114	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
GOWANUS_GT2_2 24115	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
GOWANUS_GT2_3 24116	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62

GOWANUS_GT2_4 24117	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
GOWANUS_GT2_5 24118	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
GOWANUS_GT2_6 24119	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
GOWANUS_GT2_7 24120	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
GOWANUS_GT2_8 24121	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
GOWANUS_GT3_1 24122	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.79 3.98 -2.81	57.05 4.18 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.08 3.97 -0.01	51.46 3.52 -0.37	50.68 3.23 -2.62
GOWANUS_GT3_2 24123	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.79 3.98 -2.81	57.05 4.18 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.08 3.97 -0.01	51.46 3.52 -0.37	50.68 3.23 -2.62
GOWANUS_GT3_3 24124	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.79 3.98 -2.81	57.05 4.18 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.08 3.97 -0.01	51.46 3.52 -0.37	50.68 3.23 -2.62
GOWANUS_GT3_4 24125	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.79 3.98 -2.81	57.05 4.18 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.08 3.97 -0.01	51.46 3.52 -0.37	50.68 3.23 -2.62
GOWANUS_GT3_5 24126	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.79 3.98 -2.81	57.05 4.18 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.08 3.97 -0.01	51.46 3.52 -0.37	50.68 3.23 -2.62
GOWANUS_GT3_6 24127	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.79 3.98 -2.81	57.05 4.18 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.08 3.97 -0.01	51.46 3.52 -0.37	50.68 3.23 -2.62
GOWANUS_GT3_7 24128	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.79 3.98 -2.81	57.05 4.18 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.08 3.97 -0.01	51.46 3.52 -0.37	50.68 3.23 -2.62
GOWANUS_GT3_8 24129	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.79 3.98 -2.81	57.05 4.18 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.08 3.97 -0.01	51.46 3.52 -0.37	50.68 3.23 -2.62
GOWANUS_GT4_1 24130	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.91 3.12 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.84 4.03 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62
GOWANUS_GT4_2 24131	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.91 3.12 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.84 4.03 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62

GOWANUS_GT4_3 24132	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.91 3.12 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.84 4.03 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62
GOWANUS_GT4_4 24133	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.91 3.12 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.84 4.03 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62
GOWANUS_GT4_5 24134	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.91 3.12 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.84 4.03 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62
GOWANUS_GT4_6 24135	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.91 3.12 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.84 4.03 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62
GOWANUS_GT4_7 24136	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.91 3.12 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.84 4.03 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62
GOWANUS_GT4_8 24137	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.91 3.12 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.84 4.03 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62
GREENBSH_115KV_TB3 55895	50.29 0.60 0.00	48.38 0.57 0.00	45.31 0.49 0.00	44.63 0.53 0.00	45.73 0.59 0.00	45.58 0.63 0.00	47.82 0.75 0.00	50.82 0.80 0.00	51.43 0.86 0.00	47.87 0.94 0.00	46.03 0.81 0.00	44.54 0.79 0.00	41.87 0.62 0.00	40.76 0.72 0.00	40.32 0.87 0.00	39.31 0.77 0.00	42.10 0.70 0.00	48.91 0.91 0.00	53.97 1.11 0.00	58.46 1.31 0.00	63.02 1.30 0.00	55.93 0.83 0.00	48.32 0.76 0.00	45.55 0.72 0.00
GREENIDGE_115KV_TB5 80291	49.69 0.00 0.00	47.86 0.05 0.00	44.77 -0.04 0.00	44.02 -0.09 0.00	45.10 -0.05 0.00	44.86 -0.09 0.00	47.21 0.14 0.00	50.32 0.30 0.00	50.52 -0.05 0.00	46.47 -0.47 0.00	44.49 -0.72 0.00	43.01 -0.74 0.00	40.92 -0.33 0.00	39.48 -0.56 0.00	38.82 -0.63 0.00	38.24 -0.31 0.00	41.52 0.12 0.00	47.81 -0.19 0.00	52.86 0.00 0.00	57.03 -0.11 0.00	61.72 0.00 0.00	54.71 -0.39 0.00	47.47 -0.10 0.00	44.43 -0.40 0.00
GREENIDGE___3 23582	49.69 0.00 0.00	47.86 0.05 0.00	44.77 -0.04 0.00	44.02 -0.09 0.00	45.10 -0.05 0.00	44.86 -0.09 0.00	47.21 0.14 0.00	50.32 0.30 0.00	50.52 -0.05 0.00	46.47 -0.47 0.00	44.49 -0.72 0.00	43.01 -0.74 0.00	40.92 -0.33 0.00	39.48 -0.56 0.00	38.82 -0.63 0.00	38.24 -0.31 0.00	41.52 0.12 0.00	47.81 -0.19 0.00	52.86 0.00 0.00	57.03 -0.11 0.00	61.72 0.00 0.00	54.71 -0.39 0.00	47.47 -0.10 0.00	44.43 -0.40 0.00
GREENIDGE___4 23583	49.69 0.00 0.00	47.86 0.05 0.00	44.77 -0.04 0.00	44.02 -0.09 0.00	45.06 -0.09 0.00	44.86 -0.09 0.00	47.21 0.14 0.00	50.32 0.30 0.00	50.52 -0.05 0.00	46.47 -0.47 0.00	44.49 -0.73 0.00	43.05 -0.70 0.00	40.97 -0.29 0.00	39.56 -0.48 0.00	39.09 -0.36 0.00	38.23 -0.31 0.00	41.48 0.08 0.00	47.81 -0.19 0.00	52.44 -0.42 0.00	57.03 -0.11 0.00	61.72 0.00 0.00	54.72 -0.38 0.00	47.47 -0.09 0.00	44.52 -0.31 0.00
GREENLWN_69_KV_BK 3 55738	50.93 1.24 0.00	48.86 1.05 0.00	45.94 1.12 0.00	45.38 1.28 0.00	46.14 0.99 0.00	46.08 1.12 0.00	48.06 0.99 0.00	51.37 1.35 0.00	51.88 1.31 0.00	48.95 2.02 0.00	47.02 1.81 0.00	45.51 1.75 0.00	43.15 1.90 0.00	42.12 2.08 0.00	41.78 2.33 0.00	40.97 2.43 0.00	43.51 2.11 0.00	50.21 2.21 0.00	55.03 2.17 0.00	59.89 2.74 0.00	64.50 2.78 0.00	56.92 1.82 0.00	49.28 1.71 0.00	46.62 1.79 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.91 3.12 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.84 4.03 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62
GRISSOM___SOLAR 323813	52.82 3.13 0.00	50.78 2.97 0.00	47.55 2.73 0.00	46.80 2.69 0.00	47.95 2.80 0.00	47.79 2.83 0.00	49.99 2.92 0.00	53.07 3.05 0.00	53.45 2.88 0.00	49.37 2.44 0.00	47.39 2.17 0.00	45.68 1.92 0.00	43.03 1.77 0.00	41.68 1.64 0.00	41.11 1.66 0.00	40.01 1.46 0.00	43.10 1.70 0.00	50.50 2.49 0.00	56.30 3.43 0.00	61.60 4.46 0.00	66.48 4.75 0.00	58.85 3.75 0.00	50.70 3.14 0.00	47.66 2.83 0.00
GROVEVILLE___HYD 323602	51.98 2.29 0.00	49.91 2.10 0.00	46.79 1.97 0.00	46.09 1.98 0.00	47.13 1.99 0.00	46.97 2.02 0.00	49.33 2.26 0.00	52.52 2.50 0.00	53.30 2.73 0.00	49.52 2.58 0.00	47.70 2.49 0.00	46.12 2.36 0.00	43.36 2.10 0.00	42.12 2.08 0.00	41.54 2.09 0.00	40.59 2.04 0.00	43.55 2.15 0.00	50.83 2.83 0.00	55.83 2.96 0.00	60.74 3.60 0.00	65.55 3.83 0.00	57.91 2.81 0.00	50.08 2.52 0.00	47.21 2.38 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	49.54 -0.15 0.00	47.71 -0.10 0.00	44.68 -0.13 0.00	43.93 -0.18 0.00	45.01 -0.14 0.00	44.82 -0.13 0.00	46.97 -0.09 0.00	50.02 0.00 0.00	50.52 -0.05 0.00	46.75 -0.19 0.00	44.95 -0.27 0.00	43.45 -0.31 0.00	41.13 -0.12 0.00	39.88 -0.16 0.00	39.21 -0.24 0.00	38.39 -0.15 0.00	41.40 0.00 0.00	47.86 -0.14 0.00	52.81 -0.05 0.00	57.26 0.11 0.00	61.91 0.19 0.00	54.99 -0.11 0.00	47.37 -0.19 0.00	44.56 -0.27 0.00

HAMLTNNY_34_KV_TB 80303	49.54 -0.15 0.00	47.76 -0.05 0.00	44.68 -0.13 0.00	43.93 -0.18 0.00	45.01 -0.14 0.00	44.82 -0.13 0.00	47.02 -0.05 0.00	50.07 0.05 0.00	50.52 -0.05 0.00	46.75 -0.19 0.00	44.90 -0.32 0.00	43.41 -0.35 0.00	41.09 -0.17 0.00	39.80 -0.24 0.00	39.13 -0.32 0.00	38.39 -0.15 0.00	41.44 0.04 0.00	47.86 -0.14 0.00	52.81 -0.05 0.00	57.26 0.11 0.00	61.91 0.19 0.00	54.99 -0.11 0.00	47.42 -0.14 0.00	44.52 -0.31 0.00
HAMPSHIRE___PAPER_HYD 323593	49.19 -0.50 0.00	47.38 -0.43 0.00	44.64 -0.18 0.00	43.89 -0.22 0.00	45.01 -0.14 0.00	44.73 -0.22 0.00	46.41 -0.66 0.00	49.22 -0.80 0.00	49.61 -0.96 0.00	45.90 -1.03 0.00	44.36 -0.86 0.00	42.84 -0.92 0.00	40.31 -0.95 0.00	38.80 -1.24 0.00	38.11 -1.34 0.00	37.23 -1.31 0.00	39.99 -1.41 0.00	46.46 -1.54 0.00	51.33 -1.53 0.00	55.89 -1.26 0.00	60.67 -1.05 0.00	54.38 -0.72 0.00	46.75 -0.81 0.00	44.20 -0.63 0.00
HARDSCRABBLE_WT_PWR 323673	49.84 0.15 0.00	47.91 0.10 0.00	44.86 0.04 0.00	44.11 0.00 0.00	45.15 0.00 0.00	44.86 -0.09 0.00	47.02 -0.05 0.00	49.92 -0.10 0.00	50.47 -0.10 0.00	46.94 0.00 0.00	45.26 0.05 0.00	43.58 -0.17 0.00	40.97 -0.29 0.00	39.64 -0.40 0.00	38.94 -0.51 0.00	38.04 -0.50 0.00	40.82 -0.58 0.00	47.38 -0.63 0.00	52.28 -0.58 0.00	56.80 -0.34 0.00	61.42 -0.31 0.00	54.66 -0.44 0.00	47.18 -0.38 0.00	44.52 -0.31 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	51.58 1.89 0.00	49.58 1.77 0.00	46.43 1.61 0.00	45.74 1.63 0.00	46.77 1.63 0.00	46.66 1.71 0.00	49.00 1.93 0.00	52.27 2.25 0.00	52.95 2.38 0.00	49.24 2.30 0.00	47.48 2.26 0.00	45.90 2.14 0.00	43.19 1.94 0.00	41.92 1.88 0.00	41.34 1.89 0.00	40.43 1.89 0.00	43.38 1.99 0.00	50.55 2.54 0.00	55.46 2.59 0.00	60.34 3.20 0.00	65.06 3.33 0.00	57.52 2.42 0.00	49.70 2.14 0.00	46.89 2.06 0.00
HARSNRAD_115KV_TB1 81005	46.91 -2.78 0.00	45.04 -2.77 0.00	42.08 -2.73 0.00	41.28 -2.82 0.00	42.30 -2.84 0.00	41.90 -3.06 0.00	44.29 -2.78 0.00	46.82 -3.20 0.00	46.73 -3.84 0.00	43.18 -3.75 0.00	41.37 -3.84 0.00	40.39 -3.37 0.00	38.74 -2.52 0.00	37.19 -2.84 0.00	36.57 -2.88 0.00	36.39 -2.16 0.00	39.62 -1.78 0.00	44.59 -3.41 0.00	49.06 -3.81 0.00	53.32 -3.83 0.00	57.53 -4.20 0.00	51.35 -3.75 0.00	44.33 -3.23 0.00	41.33 -3.50 0.00
HARZA MOOSE___RIVER 24016	50.39 0.70 0.00	48.48 0.67 0.00	45.44 0.63 0.00	44.72 0.62 0.00	45.82 0.68 0.00	45.58 0.63 0.00	47.73 0.66 0.00	50.77 0.75 0.00	51.13 0.56 0.00	47.36 0.42 0.00	45.53 0.32 0.00	43.89 0.13 0.00	41.38 0.12 0.00	39.80 -0.24 0.00	39.13 -0.32 0.00	38.27 -0.27 0.00	41.23 -0.17 0.00	48.00 0.00 0.00	53.08 0.21 0.00	58.00 0.86 0.00	62.77 1.05 0.00	55.76 0.66 0.00	47.90 0.33 0.00	45.10 0.27 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	49.19 -0.50 0.00	47.38 -0.43 0.00	44.37 -0.45 0.00	43.62 -0.49 0.00	44.70 -0.45 0.00	44.50 -0.45 0.00	46.69 -0.38 0.00	49.67 -0.35 0.00	50.16 -0.40 0.00	46.42 -0.52 0.00	44.67 -0.54 0.00	43.19 -0.57 0.00	40.88 -0.37 0.00	39.64 -0.40 0.00	38.98 -0.47 0.00	38.20 -0.35 0.00	41.15 -0.25 0.00	47.62 -0.38 0.00	52.49 -0.37 0.00	56.86 -0.29 0.00	61.48 -0.25 0.00	54.66 -0.44 0.00	47.09 -0.48 0.00	44.29 -0.54 0.00
HELLGATE_13_KV_LD 55870	52.88 3.18 -0.01	50.83 3.01 -0.01	47.47 2.64 -0.01	46.80 2.69 -0.01	47.86 2.71 -0.01	47.70 2.74 -0.01	50.25 3.15 -0.03	53.58 3.55 -0.01	54.32 3.74 -0.01	51.31 3.66 -0.71	50.16 3.57 -1.37	47.72 3.46 -0.51	45.31 3.22 -0.84	44.03 3.12 -0.87	43.59 3.20 -0.94	42.77 3.16 -1.06	45.40 3.27 -0.73	52.39 4.03 -0.36	57.05 4.18 -0.01	62.07 4.91 -0.01	66.85 5.12 -0.01	59.13 4.02 -0.01	51.21 3.61 -0.04	48.21 3.36 -0.01
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	52.88 3.18 -0.01	50.83 3.01 -0.01	47.47 2.64 -0.01	46.80 2.69 -0.01	47.86 2.71 -0.01	47.70 2.74 -0.01	50.25 3.15 -0.03	53.58 3.55 -0.01	54.32 3.74 -0.01	51.31 3.66 -0.71	50.16 3.57 -1.37	47.72 3.46 -0.51	45.31 3.22 -0.84	44.03 3.12 -0.87	43.59 3.20 -0.94	42.77 3.16 -1.06	45.40 3.27 -0.73	52.39 4.03 -0.36	57.05 4.18 -0.01	62.07 4.91 -0.01	66.85 5.12 -0.01	59.13 4.02 -0.01	51.21 3.61 -0.04	48.21 3.36 -0.01
HEMPSTEAD____ 23647	51.48 1.79 0.00	49.34 1.53 0.00	46.29 1.48 0.00	45.69 1.59 0.00	46.32 1.17 0.00	46.30 1.35 0.00	48.67 1.60 0.00	51.92 1.90 0.00	52.49 1.92 0.00	49.37 2.44 0.00	47.43 2.22 0.00	45.86 2.10 0.00	43.40 2.14 0.00	42.16 2.12 0.00	41.78 2.33 0.00	40.97 2.43 0.00	43.84 2.44 0.00	50.64 2.64 0.00	55.50 2.64 0.00	60.40 3.26 0.00	65.05 3.33 0.00	57.41 2.31 0.00	49.75 2.19 0.00	46.76 1.93 0.00
HEWLETT_69_KV_BK3 55828	51.88 2.19 0.00	49.82 2.01 0.00	46.74 1.93 0.00	46.09 1.98 0.00	46.95 1.81 0.00	46.84 1.89 0.00	49.00 1.93 0.00	52.27 2.25 0.00	52.84 2.28 0.00	49.79 2.86 0.00	47.79 2.58 0.00	46.29 2.54 0.00	43.77 2.52 0.00	42.56 2.52 0.00	42.17 2.72 0.00	41.28 2.74 0.00	44.09 2.69 0.00	51.02 3.02 0.00	55.93 3.07 0.00	60.92 3.77 0.00	65.61 3.89 0.00	57.91 2.81 0.00	50.18 2.62 0.00	47.38 2.56 0.00
HICKLING___1 23621	49.44 -0.25 0.00	47.57 -0.24 0.00	44.50 -0.31 0.00	43.75 -0.35 0.00	44.83 -0.32 0.00	44.55 -0.40 0.00	46.97 -0.09 0.00	50.12 0.10 0.00	50.27 -0.30 0.00	46.28 -0.66 0.00	44.40 -0.81 0.00	42.97 -0.79 0.00	40.97 -0.29 0.00	39.52 -0.52 0.00	38.86 -0.59 0.00	38.31 -0.23 0.00	41.60 0.21 0.00	47.71 -0.29 0.00	52.49 -0.37 0.00	57.09 -0.06 0.00	61.79 0.06 0.00	54.77 -0.33 0.00	47.18 -0.38 0.00	44.25 -0.58 0.00
HICKLING___2 23622	49.44 -0.25 0.00	47.57 -0.24 0.00	44.50 -0.31 0.00	43.75 -0.35 0.00	44.83 -0.32 0.00	44.55 -0.40 0.00	46.97 -0.09 0.00	50.12 0.10 0.00	50.27 -0.30 0.00	46.28 -0.66 0.00	44.40 -0.81 0.00	42.97 -0.79 0.00	40.97 -0.29 0.00	39.52 -0.52 0.00	38.86 -0.59 0.00	38.31 -0.23 0.00	41.60 0.21 0.00	47.71 -0.29 0.00	52.49 -0.37 0.00	57.09 -0.06 0.00	61.79 0.06 0.00	54.77 -0.33 0.00	47.18 -0.38 0.00	44.25 -0.58 0.00
HIGH FALLS___HY 23754	51.88 2.19 0.00	49.87 2.06 0.00	46.70 1.88 0.00	46.00 1.90 0.00	47.04 1.90 0.00	46.93 1.98 0.00	49.28 2.21 0.00	52.47 2.45 0.00	53.20 2.63 0.00	49.42 2.49 0.00	47.57 2.35 0.00	45.99 2.23 0.00	43.28 2.02 0.00	42.00 1.96 0.00	41.42 1.97 0.00	40.51 1.97 0.00	43.51 2.11 0.00	50.79 2.78 0.00	55.72 2.85 0.00	60.69 3.54 0.00	65.49 3.77 0.00	57.91 2.81 0.00	49.99 2.43 0.00	47.12 2.29 0.00
HIGH_RIVER___SOLAR 323847	51.68 1.99 0.00	49.72 1.91 0.00	46.56 1.75 0.00	45.87 1.77 0.00	46.95 1.81 0.00	46.80 1.84 0.00	49.00 1.93 0.00	51.97 1.95 0.00	52.44 1.87 0.00	48.44 1.50 0.00	46.53 1.31 0.00	44.80 1.05 0.00	42.20 0.95 0.00	40.92 0.88 0.00	40.36 0.91 0.00	39.35 0.81 0.00	42.39 0.99 0.00	49.58 1.58 0.00	55.14 2.27 0.00	60.11 2.97 0.00	64.87 3.15 0.00	57.52 2.42 0.00	49.65 2.09 0.00	46.76 1.93 0.00

HILLBURN___GT 23639	51.63 1.94 0.00	49.58 1.77 0.00	46.43 1.61 0.00	45.74 1.63 0.00	46.73 1.58 0.00	46.62 1.66 0.00	49.09 2.02 0.00	52.37 2.35 0.00	53.05 2.48 0.00	49.37 2.44 0.00	47.61 2.39 0.00	46.03 2.27 0.00	43.36 2.10 0.00	42.08 2.04 0.00	41.46 2.01 0.00	40.62 2.08 0.00	43.55 2.15 0.00	50.69 2.69 0.00	55.56 2.69 0.00	60.40 3.26 0.00	65.12 3.39 0.00	57.58 2.48 0.00	49.80 2.24 0.00	46.98 2.15 0.00
HILLSIDE_115KV_TB1 80332	48.85 -0.84 0.00	47.00 -0.81 0.00	43.96 -0.85 0.00	43.22 -0.88 0.00	44.29 -0.86 0.00	44.05 -0.90 0.00	46.41 -0.66 0.00	49.57 -0.45 0.00	49.81 -0.76 0.00	45.90 -1.03 0.00	44.09 -1.13 0.00	42.66 -1.09 0.00	40.64 -0.62 0.00	39.24 -0.80 0.00	38.58 -0.87 0.00	37.97 -0.58 0.00	41.15 -0.25 0.00	47.28 -0.72 0.00	51.91 -0.95 0.00	56.46 -0.69 0.00	61.04 -0.68 0.00	54.16 -0.94 0.00	46.66 -0.90 0.00	43.84 -0.99 0.00
HISHELDN_WT_PWR 323625	47.85 -1.84 0.00	45.95 -1.87 0.00	42.94 -1.88 0.00	42.12 -1.98 0.00	43.07 -2.08 0.00	42.71 -2.25 0.00	45.18 -1.88 0.00	47.97 -2.05 0.00	47.84 -2.73 0.00	44.12 -2.81 0.00	42.28 -2.94 0.00	41.17 -2.58 0.00	39.56 -1.69 0.00	38.12 -1.92 0.00	37.95 -1.50 0.00	37.00 -1.54 0.00	40.20 -1.20 0.00	45.70 -2.30 0.00	50.28 -2.59 0.00	54.75 -2.40 0.00	59.13 -2.59 0.00	52.62 -2.48 0.00	45.42 -2.14 0.00	42.59 -2.24 0.00
HOLTSVILLE_IC_1 23690	51.33 1.64 0.00	49.15 1.34 0.00	46.21 1.39 0.00	45.65 1.54 0.00	46.19 1.04 0.00	46.17 1.21 0.00	48.43 1.37 0.00	51.67 1.65 0.00	52.03 1.47 0.00	49.09 2.16 0.00	47.16 1.94 0.00	45.68 1.92 0.00	43.27 2.02 0.00	41.96 1.92 0.00	41.70 2.25 0.00	40.97 2.43 0.00	43.88 2.48 0.00	50.49 2.49 0.00	55.55 2.69 0.00	60.40 3.26 0.00	64.99 3.27 0.00	57.36 2.26 0.00	49.71 2.14 0.00	46.71 1.88 0.00
HOLTSVILLE_IC_10 23699	51.58 1.89 0.00	49.34 1.53 0.00	46.38 1.57 0.00	45.82 1.72 0.00	46.37 1.22 0.00	46.30 1.35 0.00	48.62 1.55 0.00	51.92 1.90 0.00	52.23 1.67 0.00	49.28 2.35 0.00	47.34 2.13 0.00	45.86 2.10 0.00	43.44 2.18 0.00	42.12 2.08 0.00	41.86 2.41 0.00	41.13 2.58 0.00	44.05 2.65 0.00	50.73 2.73 0.00	55.82 2.96 0.00	60.75 3.60 0.00	65.36 3.64 0.00	57.69 2.59 0.00	49.94 2.38 0.00	46.94 2.11 0.00
HOLTSVILLE_IC_2 23691	51.33 1.64 0.00	49.15 1.34 0.00	46.21 1.39 0.00	45.65 1.54 0.00	46.19 1.04 0.00	46.17 1.21 0.00	48.43 1.37 0.00	51.67 1.65 0.00	52.03 1.47 0.00	49.09 2.16 0.00	47.16 1.94 0.00	45.68 1.92 0.00	43.27 2.02 0.00	41.96 1.92 0.00	41.70 2.25 0.00	40.97 2.43 0.00	43.88 2.48 0.00	50.49 2.49 0.00	55.55 2.69 0.00	60.40 3.26 0.00	64.99 3.27 0.00	57.36 2.26 0.00	49.71 2.14 0.00	46.71 1.88 0.00
HOLTSVILLE_IC_3 23692	51.33 1.64 0.00	49.15 1.34 0.00	46.21 1.39 0.00	45.65 1.54 0.00	46.19 1.04 0.00	46.17 1.21 0.00	48.43 1.37 0.00	51.67 1.65 0.00	52.03 1.47 0.00	49.09 2.16 0.00	47.16 1.94 0.00	45.68 1.92 0.00	43.27 2.02 0.00	41.96 1.92 0.00	41.70 2.25 0.00	40.97 2.43 0.00	43.88 2.48 0.00	50.49 2.49 0.00	55.55 2.69 0.00	60.40 3.26 0.00	64.99 3.27 0.00	57.36 2.26 0.00	49.71 2.14 0.00	46.71 1.88 0.00
HOLTSVILLE_IC_4 23693	51.33 1.64 0.00	49.15 1.34 0.00	46.21 1.39 0.00	45.65 1.54 0.00	46.19 1.04 0.00	46.17 1.21 0.00	48.43 1.37 0.00	51.67 1.65 0.00	52.03 1.47 0.00	49.09 2.16 0.00	47.16 1.94 0.00	45.68 1.92 0.00	43.27 2.02 0.00	41.96 1.92 0.00	41.70 2.25 0.00	40.97 2.43 0.00	43.88 2.48 0.00	50.49 2.49 0.00	55.55 2.69 0.00	60.40 3.26 0.00	64.99 3.27 0.00	57.36 2.26 0.00	49.71 2.14 0.00	46.71 1.88 0.00
HOLTSVILLE_IC_5 23694	51.33 1.64 0.00	49.15 1.34 0.00	46.21 1.39 0.00	45.65 1.54 0.00	46.19 1.04 0.00	46.17 1.21 0.00	48.43 1.37 0.00	51.67 1.65 0.00	52.03 1.47 0.00	49.09 2.16 0.00	47.16 1.94 0.00	45.68 1.92 0.00	43.27 2.02 0.00	41.96 1.92 0.00	41.70 2.25 0.00	40.97 2.43 0.00	43.88 2.48 0.00	50.49 2.49 0.00	55.55 2.69 0.00	60.40 3.26 0.00	64.99 3.27 0.00	57.36 2.26 0.00	49.71 2.14 0.00	46.71 1.88 0.00
HOLTSVILLE_IC_6 23695	51.58 1.89 0.00	49.34 1.53 0.00	46.38 1.57 0.00	45.82 1.72 0.00	46.37 1.22 0.00	46.30 1.35 0.00	48.62 1.55 0.00	51.92 1.90 0.00	52.23 1.67 0.00	49.28 2.35 0.00	47.34 2.13 0.00	45.86 2.10 0.00	43.44 2.18 0.00	42.12 2.08 0.00	41.86 2.41 0.00	41.13 2.58 0.00	44.05 2.65 0.00	50.73 2.73 0.00	55.82 2.96 0.00	60.75 3.60 0.00	65.36 3.64 0.00	57.69 2.59 0.00	49.94 2.38 0.00	46.94 2.11 0.00
HOLTSVILLE_IC_7 23696	51.58 1.89 0.00	49.34 1.53 0.00	46.38 1.57 0.00	45.82 1.72 0.00	46.37 1.22 0.00	46.30 1.35 0.00	48.62 1.55 0.00	51.92 1.90 0.00	52.23 1.67 0.00	49.28 2.35 0.00	47.34 2.13 0.00	45.86 2.10 0.00	43.44 2.18 0.00	42.12 2.08 0.00	41.86 2.41 0.00	41.13 2.58 0.00	44.05 2.65 0.00	50.73 2.73 0.00	55.82 2.96 0.00	60.75 3.60 0.00	65.36 3.64 0.00	57.69 2.59 0.00	49.94 2.38 0.00	46.94 2.11 0.00
HOLTSVILLE_IC_8 23697	51.58 1.89 0.00	49.34 1.53 0.00	46.38 1.57 0.00	45.82 1.72 0.00	46.37 1.22 0.00	46.30 1.35 0.00	48.62 1.55 0.00	51.92 1.90 0.00	52.23 1.67 0.00	49.28 2.35 0.00	47.34 2.13 0.00	45.86 2.10 0.00	43.44 2.18 0.00	42.12 2.08 0.00	41.86 2.41 0.00	41.13 2.58 0.00	44.05 2.65 0.00	50.73 2.73 0.00	55.82 2.96 0.00	60.75 3.60 0.00	65.36 3.64 0.00	57.69 2.59 0.00	49.94 2.38 0.00	46.94 2.11 0.00
HOLTSVILLE_IC_9 23698	51.58 1.89 0.00	49.34 1.53 0.00	46.38 1.57 0.00	45.82 1.72 0.00	46.37 1.22 0.00	46.30 1.35 0.00	48.62 1.55 0.00	51.92 1.90 0.00	52.23 1.67 0.00	49.28 2.35 0.00	47.34 2.13 0.00	45.86 2.10 0.00	43.44 2.18 0.00	42.12 2.08 0.00	41.86 2.41 0.00	41.13 2.58 0.00	44.05 2.65 0.00	50.73 2.73 0.00	55.82 2.96 0.00	60.75 3.60 0.00	65.36 3.64 0.00	57.69 2.59 0.00	49.94 2.38 0.00	46.94 2.11 0.00
HOMER_HL_115KV_TB2 355744	47.90 -1.79 0.00	46.04 -1.77 0.00	43.02 -1.79 0.00	42.25 -1.85 0.00	43.21 -1.94 0.00	42.79 -2.16 0.00	45.42 -1.65 0.00	48.77 -1.25 0.00	48.80 -1.77 0.00	44.96 -1.97 0.00	43.18 -2.03 0.00	41.92 -1.84 0.00	40.10 -1.16 0.00	38.52 -1.52 0.00	37.87 -1.58 0.00	37.43 -1.12 0.00	40.78 -0.62 0.00	46.32 -1.68 0.00	50.75 -2.11 0.00	55.32 -1.83 0.00	59.69 -2.04 0.00	53.06 -2.04 0.00	45.66 -1.90 0.00	42.72 -2.11 0.00
HOWARD_WT_PWR 323690	49.44 -0.25 0.00	47.53 -0.29 0.00	44.37 -0.45 0.00	43.62 -0.48 0.00	44.61 -0.54 0.00	44.28 -0.67 0.00	46.79 -0.28 0.00	49.82 -0.20 0.00	49.71 -0.86 0.00	45.62 -1.31 0.00	43.59 -1.63 0.00	42.22 -1.53 0.00	40.43 -0.82 0.00	39.00 -1.04 0.00	38.86 -0.59 0.00	38.00 -0.54 0.00	41.36 -0.04 0.00	47.48 -0.53 0.00	52.39 -0.48 0.00	57.14 0.00 0.00	61.91 0.19 0.00	54.88 -0.22 0.00	47.23 -0.33 0.00	44.29 -0.54 0.00

HQ_GEN_CEDARS 23644	49.64 -0.05 0.00	47.86 0.05 0.00	45.22 0.40 0.00	44.50 0.40 0.00	45.10 -0.05 0.00	44.95 0.00 0.00	46.78 -0.28 0.00	49.52 -0.50 0.00	50.11 -0.46 0.00	46.42 -0.52 0.00	45.17 -0.05 0.00	43.80 0.04 0.00	41.21 -0.04 0.00	39.92 -0.12 0.00	39.29 -0.16 0.00	38.27 -0.27 0.00	40.94 -0.46 0.00	47.19 -0.82 0.00	51.86 -1.00 0.00	55.89 -1.26 0.00	60.67 -1.05 0.00	54.77 -0.33 0.00	47.23 -0.33 0.00	45.01 0.18 0.00
HQ_GEN_CEDARS_PROXY 323590	49.64 -0.05 0.00	47.86 0.05 0.00	45.31 0.49 0.00	44.50 0.40 0.00	45.55 0.41 0.00	45.31 0.36 0.00	46.79 -0.28 0.00	49.52 -0.50 0.00	50.11 -0.46 0.00	46.42 -0.52 0.00	45.17 -0.05 0.00	43.80 0.04 0.00	41.17 -0.08 0.00	39.92 -0.12 0.00	39.29 -0.16 0.00	38.28 -0.27 0.00	40.98 -0.41 0.00	47.19 -0.82 0.00	51.86 -1.01 0.00	55.89 -1.26 0.00	60.67 -1.05 0.00	54.77 -0.33 0.00	47.23 -0.33 0.00	45.01 0.18 0.00
HQ_GEN_IMPORT 323601	49.54 -0.15 0.00	47.67 -0.14 0.00	44.77 -0.04 0.00	44.06 -0.04 0.00	45.10 -0.05 0.00	44.86 -0.09 0.00	46.79 -0.28 0.00	49.62 -0.40 0.00	50.22 -0.35 0.00	46.56 -0.38 0.00	44.95 -0.27 0.00	43.54 -0.22 0.00	40.97 -0.29 0.00	39.76 -0.28 0.00	39.13 -0.32 0.00	38.23 -0.31 0.00	40.98 -0.41 0.00	47.52 -0.48 0.00	52.28 -0.58 0.00	56.17 -0.97 0.00	60.80 -0.92 0.00	54.72 -0.38 0.00	47.23 -0.33 0.00	44.65 -0.18 0.00
HQ_GEN_WHEEL 23651	49.54 -0.15 0.00	47.67 -0.14 0.00	44.77 -0.04 0.00	44.06 -0.04 0.00	45.10 -0.05 0.00	44.86 -0.09 0.00	46.79 -0.28 0.00	49.62 -0.40 0.00	50.22 -0.35 0.00	46.56 -0.38 0.00	44.95 -0.27 0.00	43.54 -0.22 0.00	40.97 -0.29 0.00	39.76 -0.28 0.00	39.13 -0.32 0.00	38.23 -0.31 0.00	40.98 -0.41 0.00	47.52 -0.48 0.00	52.28 -0.58 0.00	56.17 -0.97 0.00	60.80 -0.92 0.00	54.72 -0.38 0.00	47.23 -0.33 0.00	44.65 -0.18 0.00
HUDSON AVE_GT_3 23810	52.42 2.73 0.00	50.39 2.58 0.00	47.15 2.33 0.00	46.49 2.38 0.00	47.49 2.35 0.00	47.38 2.43 0.00	49.89 2.82 0.00	53.22 3.20 0.00	53.96 3.39 0.00	50.38 3.38 -0.07	48.52 3.30 0.00	46.91 3.15 0.00	44.18 2.93 0.00	42.88 2.84 0.00	42.33 2.88 0.00	41.43 2.89 0.00	44.34 2.94 0.00	51.72 3.65 -0.07	56.62 3.75 0.00	61.54 4.40 0.00	66.35 4.63 0.00	58.68 3.58 0.00	50.75 3.19 0.00	47.83 3.00 0.00
HUDSON AVE_GT_4 23540	52.42 2.73 0.00	50.39 2.58 0.00	47.15 2.33 0.00	46.49 2.38 0.00	47.49 2.35 0.00	47.38 2.43 0.00	49.89 2.82 0.00	53.22 3.20 0.00	53.96 3.39 0.00	50.38 3.38 -0.07	48.52 3.30 0.00	46.91 3.15 0.00	44.18 2.93 0.00	42.88 2.84 0.00	42.33 2.88 0.00	41.43 2.89 0.00	44.34 2.94 0.00	51.72 3.65 -0.07	56.62 3.75 0.00	61.54 4.40 0.00	66.35 4.63 0.00	58.68 3.58 0.00	50.75 3.19 0.00	47.83 3.00 0.00
HUDSON AVE_GT_5 23657	52.42 2.73 0.00	50.39 2.58 0.00	47.15 2.33 0.00	46.49 2.38 0.00	47.49 2.35 0.00	47.38 2.43 0.00	49.89 2.82 0.00	53.22 3.20 0.00	53.96 3.39 0.00	50.38 3.38 -0.07	48.52 3.30 0.00	46.91 3.15 0.00	44.18 2.93 0.00	42.88 2.84 0.00	42.33 2.88 0.00	41.43 2.89 0.00	44.34 2.94 0.00	51.72 3.65 -0.07	56.62 3.75 0.00	61.54 4.40 0.00	66.35 4.63 0.00	58.68 3.58 0.00	50.75 3.19 0.00	47.83 3.00 0.00
HUDSON_AVE_10 24168	52.27 2.58 0.00	50.30 2.49 0.00	47.10 2.29 0.00	46.44 2.34 0.00	47.45 2.30 0.00	47.33 2.38 0.00	49.89 2.82 0.00	53.12 3.10 0.00	53.86 3.29 0.00	50.38 3.38 -0.07	48.48 3.26 0.00	46.91 3.15 0.00	44.18 2.93 0.00	42.88 2.84 0.00	42.33 2.88 0.00	41.43 2.89 0.00	44.34 2.94 0.00	51.72 3.65 -0.07	56.62 3.75 0.00	61.54 4.40 0.00	66.35 4.63 0.00	58.68 3.58 0.00	50.75 3.19 0.00	47.79 2.96 0.00
HUDSON___115KV_TB 4 355613	51.13 1.44 0.00	49.15 1.34 0.00	46.07 1.25 0.00	45.34 1.23 0.00	46.46 1.31 0.00	46.35 1.39 0.00	48.53 1.46 0.00	51.47 1.45 0.00	52.04 1.47 0.00	48.30 1.36 0.00	46.35 1.13 0.00	44.76 1.01 0.00	42.04 0.78 0.00	40.88 0.84 0.00	40.40 0.95 0.00	39.39 0.85 0.00	42.31 0.91 0.00	49.39 1.39 0.00	54.72 1.85 0.00	59.49 2.34 0.00	64.13 2.41 0.00	56.81 1.71 0.00	49.04 1.47 0.00	46.22 1.39 0.00
HUNTER MOUNT___DRP 323613	51.28 1.59 0.00	49.29 1.48 0.00	46.16 1.34 0.00	45.47 1.37 0.00	46.55 1.40 0.00	46.44 1.48 0.00	48.62 1.55 0.00	51.57 1.55 0.00	52.14 1.57 0.00	48.34 1.41 0.00	46.30 1.09 0.00	44.72 0.96 0.00	41.91 0.66 0.00	40.76 0.72 0.00	40.28 0.83 0.00	39.24 0.69 0.00	42.23 0.83 0.00	49.39 1.39 0.00	54.77 1.90 0.00	59.54 2.40 0.00	64.32 2.59 0.00	56.86 1.76 0.00	49.09 1.52 0.00	46.26 1.43 0.00
HUNTINGTON_RES_REC 323705	51.18 1.49 0.00	48.96 1.15 0.00	46.03 1.21 0.00	45.52 1.41 0.00	45.96 0.81 0.00	45.94 0.99 0.00	48.24 1.18 0.00	51.52 1.50 0.00	51.98 1.41 0.00	48.99 2.06 0.00	47.07 1.85 0.00	45.55 1.79 0.00	43.23 1.98 0.00	42.00 1.96 0.00	41.74 2.29 0.00	41.01 2.47 0.00	43.76 2.36 0.00	50.40 2.40 0.00	55.40 2.54 0.00	60.23 3.08 0.00	64.81 3.08 0.00	57.19 2.09 0.00	49.51 1.95 0.00	46.49 1.66 0.00
HUNTLEY___63 23557	47.36 -2.34 0.00	45.47 -2.34 0.00	42.49 -2.33 0.00	41.64 -2.47 0.00	42.53 -2.62 0.00	42.12 -2.83 0.00	44.57 -2.49 0.00	47.22 -2.80 0.00	47.13 -3.44 0.00	43.56 -3.38 0.00	41.74 -3.48 0.00	40.78 -2.98 0.00	39.07 -2.19 0.00	37.51 -2.52 0.00	36.89 -2.56 0.00	36.66 -1.89 0.00	39.95 -1.45 0.00	44.98 -3.02 0.00	49.48 -3.38 0.00	53.77 -3.37 0.00	58.02 -3.70 0.00	51.74 -3.36 0.00	44.66 -2.90 0.00	41.65 -3.18 0.00
HUNTLEY___64 23558	47.36 -2.34 0.00	45.47 -2.34 0.00	42.49 -2.33 0.00	41.64 -2.47 0.00	42.53 -2.62 0.00	42.12 -2.83 0.00	44.57 -2.49 0.00	47.22 -2.80 0.00	47.13 -3.44 0.00	43.56 -3.38 0.00	41.74 -3.48 0.00	40.78 -2.98 0.00	39.07 -2.19 0.00	37.51 -2.52 0.00	36.89 -2.56 0.00	36.66 -1.89 0.00	39.95 -1.45 0.00	44.98 -3.02 0.00	49.48 -3.38 0.00	53.77 -3.37 0.00	58.02 -3.70 0.00	51.74 -3.36 0.00	44.66 -2.90 0.00	41.65 -3.18 0.00
HUNTLEY___65 23559	47.36 -2.34 0.00	45.47 -2.34 0.00	42.49 -2.33 0.00	41.64 -2.47 0.00	42.53 -2.62 0.00	42.12 -2.83 0.00	44.57 -2.49 0.00	47.22 -2.80 0.00	47.13 -3.44 0.00	43.56 -3.38 0.00	41.74 -3.48 0.00	40.78 -2.98 0.00	39.07 -2.19 0.00	37.51 -2.52 0.00	36.89 -2.56 0.00	36.66 -1.89 0.00	39.95 -1.45 0.00	44.98 -3.02 0.00	49.48 -3.38 0.00	53.77 -3.37 0.00	58.02 -3.70 0.00	51.74 -3.36 0.00	44.66 -2.90 0.00	41.65 -3.18 0.00
HUNTLEY___66 23560	47.36 -2.34 0.00	45.47 -2.34 0.00	42.49 -2.33 0.00	41.64 -2.47 0.00	42.53 -2.62 0.00	42.12 -2.83 0.00	44.57 -2.49 0.00	47.22 -2.80 0.00	47.13 -3.44 0.00	43.56 -3.38 0.00	41.74 -3.48 0.00	40.78 -2.98 0.00	39.07 -2.19 0.00	37.51 -2.52 0.00	36.89 -2.56 0.00	36.66 -1.89 0.00	39.95 -1.45 0.00	44.98 -3.02 0.00	49.48 -3.38 0.00	53.77 -3.37 0.00	58.02 -3.70 0.00	51.74 -3.36 0.00	44.66 -2.90 0.00	41.65 -3.18 0.00

HUNTLEY___67 23561	47.16 -2.53 0.00	45.23 -2.58 0.00	42.31 -2.51 0.00	41.50 -2.60 0.00	42.39 -2.75 0.00	42.03 -2.92 0.00	44.48 -2.59 0.00	47.17 -2.85 0.00	47.08 -3.49 0.00	43.51 -3.43 0.00	41.69 -3.53 0.00	40.74 -3.02 0.00	39.03 -2.23 0.00	37.51 -2.52 0.00	36.89 -2.56 0.00	36.66 -1.89 0.00	39.91 -1.49 0.00	44.93 -3.07 0.00	49.38 -3.49 0.00	53.66 -3.49 0.00	57.90 -3.83 0.00	51.63 -3.47 0.00	44.57 -3.00 0.00	41.60 -3.23 0.00
HUNTLEY___68 23562	47.16 -2.53 0.00	45.23 -2.58 0.00	42.31 -2.51 0.00	41.50 -2.60 0.00	42.39 -2.75 0.00	42.03 -2.92 0.00	44.48 -2.59 0.00	47.17 -2.85 0.00	47.08 -3.49 0.00	43.51 -3.43 0.00	41.69 -3.53 0.00	40.74 -3.02 0.00	39.03 -2.23 0.00	37.51 -2.52 0.00	36.89 -2.56 0.00	36.66 -1.89 0.00	39.91 -1.49 0.00	44.93 -3.07 0.00	49.38 -3.49 0.00	53.66 -3.49 0.00	57.90 -3.83 0.00	51.63 -3.47 0.00	44.57 -3.00 0.00	41.60 -3.23 0.00
HYLAND___LFGE 323620	50.59 0.90 0.00	48.62 0.81 0.00	45.44 0.63 0.00	44.59 0.49 0.00	45.69 0.54 0.00	45.36 0.40 0.00	47.73 0.66 0.00	50.52 0.50 0.00	50.06 -0.51 0.00	45.57 -1.36 0.00	43.27 -1.94 0.00	41.83 -1.92 0.00	39.85 -1.40 0.00	38.43 -1.60 0.00	38.30 -1.15 0.00	37.46 -1.08 0.00	40.90 -0.49 0.00	47.23 -0.77 0.00	52.92 0.05 0.00	58.17 1.03 0.00	63.27 1.54 0.00	56.09 0.99 0.00	48.28 0.71 0.00	45.01 0.18 0.00
INDECK___CORINTH 23802	52.42 2.73 0.00	50.39 2.58 0.00	47.01 2.20 0.00	46.35 2.25 0.00	47.45 2.30 0.00	47.29 2.34 0.00	49.51 2.45 0.00	52.57 2.55 0.00	53.15 2.58 0.00	49.33 2.39 0.00	47.52 2.30 0.00	45.90 2.14 0.00	42.99 1.73 0.00	41.72 1.68 0.00	41.11 1.66 0.00	40.09 1.54 0.00	43.14 1.74 0.00	50.40 2.40 0.00	55.93 3.06 0.00	61.03 3.89 0.00	65.80 4.07 0.00	58.13 3.03 0.00	50.13 2.57 0.00	47.34 2.51 0.00
INDECK___ILION 23567	49.99 0.30 0.00	48.05 0.24 0.00	45.00 0.18 0.00	44.24 0.13 0.00	45.33 0.18 0.00	45.00 0.04 0.00	47.16 0.09 0.00	50.07 0.05 0.00	50.62 0.05 0.00	47.08 0.14 0.00	45.40 0.18 0.00	43.71 -0.04 0.00	41.09 -0.17 0.00	39.72 -0.32 0.00	39.02 -0.43 0.00	38.12 -0.42 0.00	40.90 -0.50 0.00	47.52 -0.48 0.00	52.44 -0.42 0.00	57.03 -0.11 0.00	61.66 -0.06 0.00	54.88 -0.22 0.00	47.33 -0.24 0.00	44.65 -0.18 0.00
INDECK___OLEAN 23982	47.90 -1.79 0.00	46.04 -1.77 0.00	43.02 -1.79 0.00	42.25 -1.85 0.00	43.16 -1.99 0.00	42.75 -2.20 0.00	45.42 -1.65 0.00	48.77 -1.25 0.00	48.80 -1.77 0.00	44.97 -1.97 0.00	43.18 -2.03 0.00	41.96 -1.80 0.00	40.22 -1.03 0.00	38.68 -1.36 0.00	38.39 -1.06 0.00	37.42 -1.12 0.00	40.65 -0.74 0.00	46.37 -1.63 0.00	50.75 -2.12 0.00	55.31 -1.83 0.00	59.69 -2.04 0.00	53.06 -2.04 0.00	45.71 -1.86 0.00	42.90 -1.93 0.00
INDECK___OSWEGO 23783	48.75 -0.95 0.00	46.90 -0.91 0.00	43.92 -0.90 0.00	43.22 -0.88 0.00	44.24 -0.90 0.00	44.05 -0.90 0.00	46.17 -0.90 0.00	49.12 -0.90 0.00	49.61 -0.96 0.00	45.95 -0.99 0.00	44.22 -0.99 0.00	42.75 -1.00 0.00	40.43 -0.82 0.00	39.19 -0.84 0.00	38.58 -0.87 0.00	37.70 -0.85 0.00	40.57 -0.83 0.00	46.99 -1.01 0.00	51.86 -1.01 0.00	56.23 -0.92 0.00	60.80 -0.92 0.00	54.05 -1.05 0.00	46.61 -0.95 0.00	43.89 -0.94 0.00
INDECK___YERKES 23781	47.41 -2.28 0.00	45.52 -2.29 0.00	42.53 -2.28 0.00	41.68 -2.43 0.00	42.62 -2.53 0.00	42.16 -2.79 0.00	44.62 -2.45 0.00	47.27 -2.75 0.00	47.13 -3.44 0.00	43.60 -3.33 0.00	41.78 -3.44 0.00	40.82 -2.93 0.00	39.23 -2.02 0.00	37.80 -2.24 0.00	37.68 -1.77 0.00	36.66 -1.89 0.00	39.82 -1.57 0.00	45.03 -2.98 0.00	49.54 -3.33 0.00	53.83 -3.32 0.00	58.08 -3.64 0.00	51.80 -3.30 0.00	44.71 -2.85 0.00	41.96 -2.87 0.00
INDIAN POINT_GT_1 24139	51.93 2.24 0.00	49.91 2.10 0.00	46.74 1.93 0.00	46.05 1.94 0.00	47.09 1.94 0.00	46.93 1.98 0.00	49.33 2.26 0.00	52.62 2.60 0.00	53.30 2.73 0.00	49.57 2.63 0.00	47.84 2.62 0.00	46.29 2.54 0.00	43.56 2.31 0.00	42.32 2.28 0.00	41.78 2.33 0.00	40.89 2.35 0.00	43.80 2.40 0.00	50.98 2.98 0.00	55.93 3.07 0.00	60.80 3.66 0.00	65.55 3.83 0.00	57.97 2.87 0.00	50.13 2.57 0.00	47.25 2.42 0.00
INDIAN POINT_GT_2 23659	51.93 2.24 0.00	49.91 2.10 0.00	46.74 1.93 0.00	46.05 1.94 0.00	47.09 1.94 0.00	46.93 1.98 0.00	49.33 2.26 0.00	52.62 2.60 0.00	53.30 2.73 0.00	49.57 2.63 0.00	47.84 2.62 0.00	46.29 2.54 0.00	43.56 2.31 0.00	42.32 2.28 0.00	41.78 2.33 0.00	40.89 2.35 0.00	43.80 2.40 0.00	50.98 2.98 0.00	55.93 3.07 0.00	60.80 3.66 0.00	65.55 3.83 0.00	57.97 2.87 0.00	50.13 2.57 0.00	47.25 2.42 0.00
INDIAN POINT_GT_3 24019	51.93 2.24 0.00	49.91 2.10 0.00	46.74 1.93 0.00	46.05 1.94 0.00	47.09 1.94 0.00	46.93 1.98 0.00	49.33 2.26 0.00	52.62 2.60 0.00	53.30 2.73 0.00	49.57 2.63 0.00	47.84 2.62 0.00	46.29 2.54 0.00	43.56 2.31 0.00	42.32 2.28 0.00	41.78 2.33 0.00	40.89 2.35 0.00	43.80 2.40 0.00	50.98 2.98 0.00	55.93 3.07 0.00	60.80 3.66 0.00	65.55 3.83 0.00	57.97 2.87 0.00	50.13 2.57 0.00	47.25 2.42 0.00
INDIAN POINT___2 23530	52.03 2.34 0.00	50.01 2.20 0.00	46.83 2.02 0.00	46.18 2.07 0.00	47.09 1.94 0.00	46.98 2.02 0.00	49.51 2.45 0.00	52.77 2.75 0.00	53.45 2.88 0.00	49.80 2.86 0.00	48.07 2.85 0.00	46.47 2.71 0.00	43.73 2.48 0.00	42.48 2.44 0.00	41.90 2.45 0.00	41.05 2.50 0.00	44.01 2.61 0.00	51.12 3.12 0.00	56.09 3.23 0.00	60.97 3.83 0.00	65.73 4.01 0.00	58.13 3.03 0.00	50.27 2.71 0.00	47.34 2.51 0.00
INDIAN POINT___3 23531	51.73 2.04 0.00	49.72 1.91 0.00	46.56 1.75 0.00	45.87 1.76 0.00	46.91 1.76 0.00	46.75 1.80 0.00	49.19 2.12 0.00	52.42 2.40 0.00	53.10 2.53 0.00	49.42 2.49 0.00	47.71 2.49 0.00	46.16 2.41 0.00	43.44 2.19 0.00	42.20 2.16 0.00	41.66 2.21 0.00	40.74 2.20 0.00	43.63 2.24 0.00	50.79 2.78 0.00	55.67 2.80 0.00	60.52 3.37 0.00	65.24 3.52 0.00	57.74 2.64 0.00	49.94 2.38 0.00	47.07 2.24 0.00
INGHAM_C_115KV_TB7 356103	49.74 0.05 0.00	47.81 0.00 0.00	44.77 -0.04 0.00	44.02 -0.09 0.00	45.10 -0.05 0.00	44.82 -0.13 0.00	46.93 -0.14 0.00	49.82 -0.20 0.00	50.37 -0.20 0.00	46.84 -0.09 0.00	45.13 -0.09 0.00	43.49 -0.26 0.00	40.88 -0.37 0.00	39.52 -0.52 0.00	38.86 -0.59 0.00	37.93 -0.62 0.00	40.69 -0.70 0.00	47.28 -0.72 0.00	52.18 -0.69 0.00	56.69 -0.46 0.00	61.29 -0.43 0.00	54.55 -0.55 0.00	47.09 -0.48 0.00	44.47 -0.36 0.00
IP CORINTH___1 23988	52.42 2.73 0.00	50.39 2.58 0.00	47.06 2.24 0.00	46.35 2.25 0.00	47.49 2.35 0.00	47.38 2.43 0.00	49.51 2.45 0.00	52.57 2.55 0.00	53.15 2.58 0.00	49.33 2.39 0.00	47.52 2.31 0.00	45.90 2.14 0.00	42.99 1.73 0.00	41.72 1.68 0.00	41.19 1.74 0.00	40.09 1.54 0.00	43.14 1.74 0.00	50.40 2.40 0.00	55.93 3.07 0.00	61.03 3.89 0.00	65.80 4.07 0.00	58.13 3.03 0.00	50.13 2.57 0.00	47.34 2.51 0.00

IP___TICONDEROGA 23804	53.86 4.17 0.00	51.78 3.97 0.00	48.36 3.54 0.00	47.68 3.57 0.00	48.85 3.70 0.00	48.77 3.82 0.00	50.88 3.81 0.00	53.92 3.90 0.00	54.41 3.84 0.00	50.36 3.43 0.00	48.47 3.26 0.00	46.78 3.02 0.00	43.73 2.48 0.00	42.36 2.32 0.00	41.78 2.33 0.00	40.59 2.04 0.00	43.84 2.44 0.00	51.46 3.46 0.00	57.46 4.60 0.00	63.09 5.94 0.00	68.02 6.30 0.00	59.73 4.63 0.00	51.46 3.90 0.00	48.55 3.72 0.00
ISLIP_RES_REC 323679	51.73 2.04 0.00	49.53 1.72 0.00	46.52 1.70 0.00	45.91 1.81 0.00	46.50 1.35 0.00	46.43 1.48 0.00	48.76 1.69 0.00	52.07 2.05 0.00	52.33 1.77 0.00	49.37 2.44 0.00	47.47 2.26 0.00	45.94 2.19 0.00	43.56 2.31 0.00	42.20 2.16 0.00	41.98 2.53 0.00	41.20 2.66 0.00	44.17 2.77 0.00	50.88 2.88 0.00	56.03 3.17 0.00	60.97 3.83 0.00	65.61 3.89 0.00	57.91 2.81 0.00	50.13 2.57 0.00	47.07 2.24 0.00
JAMAICA__27_KV_LOAD 355505	52.23 2.53 0.00	50.25 2.44 0.00	47.24 2.42 0.00	46.58 2.47 0.00	47.58 2.44 0.00	47.47 2.52 0.00	50.13 3.06 0.00	53.17 3.15 0.00	53.86 3.29 0.00	50.71 3.71 -0.07	48.75 3.53 0.00	47.13 3.37 0.00	44.47 3.22 0.00	43.08 3.04 0.00	42.57 3.12 0.00	41.67 3.12 0.00	44.50 3.10 0.00	51.91 3.84 -0.07	56.83 3.96 0.00	61.83 4.69 0.00	66.72 5.00 0.00	58.90 3.80 0.00	50.94 3.38 0.00	47.88 3.05 0.00
JANIS___SOLAR 323808	51.83 2.14 0.00	49.91 2.10 0.00	46.70 1.88 0.00	45.91 1.81 0.00	47.09 1.94 0.00	46.84 1.89 0.00	49.23 2.17 0.00	52.47 2.45 0.00	52.59 2.02 0.00	48.25 1.31 0.00	46.17 0.95 0.00	44.41 0.66 0.00	42.04 0.78 0.00	40.56 0.52 0.00	39.88 0.43 0.00	39.12 0.58 0.00	42.47 1.07 0.00	49.49 1.49 0.00	54.92 2.06 0.00	60.17 3.03 0.00	65.18 3.45 0.00	57.64 2.54 0.00	49.51 1.95 0.00	46.49 1.66 0.00
JARVIS____ 23743	49.89 0.20 0.00	48.00 0.19 0.00	44.95 0.13 0.00	44.24 0.13 0.00	45.28 0.14 0.00	45.09 0.14 0.00	47.30 0.24 0.00	50.27 0.25 0.00	50.82 0.25 0.00	47.22 0.28 0.00	45.44 0.23 0.00	43.93 0.18 0.00	41.42 0.17 0.00	40.20 0.16 0.00	39.61 0.16 0.00	38.70 0.15 0.00	41.56 0.17 0.00	48.24 0.24 0.00	53.18 0.32 0.00	57.60 0.46 0.00	62.21 0.49 0.00	55.38 0.28 0.00	47.80 0.24 0.00	45.01 0.18 0.00
JENNISON___1 23625	51.98 2.29 0.00	50.01 2.20 0.00	46.79 1.97 0.00	46.00 1.90 0.00	47.27 2.12 0.00	46.97 2.02 0.00	49.42 2.35 0.00	52.67 2.65 0.00	53.00 2.43 0.00	48.91 1.97 0.00	46.94 1.72 0.00	45.20 1.44 0.00	42.74 1.49 0.00	41.28 1.24 0.00	40.55 1.10 0.00	39.78 1.23 0.00	43.05 1.66 0.00	49.97 1.97 0.00	55.24 2.38 0.00	60.40 3.26 0.00	65.36 3.64 0.00	57.85 2.75 0.00	49.70 2.14 0.00	46.67 1.84 0.00
JENNISON___2 23626	51.98 2.29 0.00	50.01 2.20 0.00	46.79 1.97 0.00	46.00 1.90 0.00	47.27 2.12 0.00	46.97 2.02 0.00	49.42 2.35 0.00	52.67 2.65 0.00	53.00 2.43 0.00	48.91 1.97 0.00	46.94 1.72 0.00	45.20 1.44 0.00	42.74 1.49 0.00	41.28 1.24 0.00	40.55 1.10 0.00	39.78 1.23 0.00	43.05 1.66 0.00	49.97 1.97 0.00	55.24 2.38 0.00	60.40 3.26 0.00	65.36 3.64 0.00	57.85 2.75 0.00	49.70 2.14 0.00	46.67 1.84 0.00
JERICHO_RISE_WT_PWR 323719	50.34 0.64 0.00	48.53 0.72 0.00	45.62 0.81 0.00	44.81 0.70 0.00	45.87 0.72 0.00	45.63 0.68 0.00	47.44 0.37 0.00	50.27 0.25 0.00	50.93 0.36 0.00	47.12 0.19 0.00	45.49 0.27 0.00	44.15 0.39 0.00	41.42 0.17 0.00	40.12 0.08 0.00	39.45 0.00 0.00	38.47 -0.08 0.00	41.15 -0.25 0.00	47.86 -0.14 0.00	52.60 -0.26 0.00	56.75 -0.40 0.00	61.54 -0.18 0.00	55.43 0.33 0.00	47.61 0.05 0.00	44.96 0.13 0.00
KATONAH___115KV_46KV_TB4 355592	52.13 2.43 0.00	50.11 2.29 0.00	46.92 2.11 0.00	46.22 2.12 0.00	47.31 2.17 0.00	47.15 2.20 0.00	49.51 2.45 0.00	52.82 2.80 0.00	53.50 2.93 0.00	49.70 2.77 0.00	48.02 2.80 0.00	46.47 2.71 0.00	43.73 2.48 0.00	42.48 2.44 0.00	41.94 2.49 0.00	41.01 2.47 0.00	43.92 2.53 0.00	51.17 3.17 0.00	56.14 3.28 0.00	61.09 3.94 0.00	65.80 4.07 0.00	58.19 3.09 0.00	50.32 2.76 0.00	47.38 2.56 0.00
KCE_NY_1 323755	52.03 2.34 0.00	50.01 2.20 0.00	46.79 1.97 0.00	46.09 1.99 0.00	47.18 2.03 0.00	47.02 2.07 0.00	49.28 2.21 0.00	52.32 2.30 0.00	52.90 2.33 0.00	49.14 2.21 0.00	47.34 2.13 0.00	45.73 1.97 0.00	42.91 1.65 0.00	41.64 1.60 0.00	41.07 1.62 0.00	40.05 1.50 0.00	43.10 1.70 0.00	50.21 2.21 0.00	55.61 2.75 0.00	60.51 3.37 0.00	65.24 3.52 0.00	57.74 2.64 0.00	49.89 2.33 0.00	47.03 2.20 0.00
KCE_NY_6_ESR 323823	47.75 -1.94 0.00	45.80 -2.01 0.00	42.85 -1.97 0.00	41.99 -2.12 0.00	42.94 -2.21 0.00	42.48 -2.47 0.00	45.04 -2.02 0.00	47.87 -2.15 0.00	47.74 -2.83 0.00	44.12 -2.81 0.00	42.32 -2.89 0.00	41.31 -2.45 0.00	39.64 -1.61 0.00	38.20 -1.84 0.00	38.03 -1.42 0.00	37.04 -1.50 0.00	40.24 -1.16 0.00	45.60 -2.40 0.00	50.11 -2.75 0.00	54.52 -2.63 0.00	58.82 -2.90 0.00	52.40 -2.70 0.00	45.23 -2.33 0.00	42.41 -2.42 0.00
KEDC_PORT_JEFF_GT2 24210	51.53 1.84 0.00	49.34 1.53 0.00	46.34 1.52 0.00	45.78 1.68 0.00	46.32 1.17 0.00	46.30 1.35 0.00	48.57 1.51 0.00	51.87 1.85 0.00	52.23 1.67 0.00	49.23 2.30 0.00	47.34 2.13 0.00	45.81 2.06 0.00	43.44 2.18 0.00	42.12 2.08 0.00	41.90 2.45 0.00	41.13 2.58 0.00	44.05 2.65 0.00	50.73 2.73 0.00	55.82 2.96 0.00	60.69 3.54 0.00	65.30 3.58 0.00	57.64 2.54 0.00	49.89 2.33 0.00	46.89 2.06 0.00
KEDC_PORT_JEFF_GT3 24211	51.53 1.84 0.00	49.34 1.53 0.00	46.34 1.52 0.00	45.78 1.68 0.00	46.32 1.17 0.00	46.30 1.35 0.00	48.57 1.51 0.00	51.87 1.85 0.00	52.23 1.67 0.00	49.23 2.30 0.00	47.34 2.13 0.00	45.81 2.06 0.00	43.44 2.18 0.00	42.12 2.08 0.00	41.90 2.45 0.00	41.13 2.58 0.00	44.05 2.65 0.00	50.73 2.73 0.00	55.82 2.96 0.00	60.69 3.54 0.00	65.30 3.58 0.00	57.64 2.54 0.00	49.89 2.33 0.00	46.89 2.06 0.00
KEDC_GLWD_GT4 24219	51.98 2.29 0.00	49.91 2.10 0.00	46.74 1.93 0.00	46.14 2.03 0.00	46.86 1.72 0.00	46.84 1.89 0.00	49.23 2.17 0.00	52.52 2.50 0.00	53.14 2.58 0.00	49.79 2.86 0.00	47.92 2.71 0.00	46.38 2.63 0.00	43.77 2.52 0.00	42.52 2.48 0.00	42.05 2.60 0.00	41.24 2.70 0.00	44.13 2.73 0.00	51.12 3.12 0.00	55.87 3.01 0.00	60.80 3.66 0.00	65.49 3.77 0.00	57.85 2.75 0.00	50.23 2.66 0.00	47.25 2.42 0.00
KEDC_GLWD_GT5 24220	51.98 2.29 0.00	49.91 2.10 0.00	46.74 1.93 0.00	46.14 2.03 0.00	46.86 1.72 0.00	46.84 1.89 0.00	49.23 2.17 0.00	52.52 2.50 0.00	53.14 2.58 0.00	49.79 2.86 0.00	47.92 2.71 0.00	46.38 2.63 0.00	43.77 2.52 0.00	42.52 2.48 0.00	42.05 2.60 0.00	41.24 2.70 0.00	44.13 2.73 0.00	51.12 3.12 0.00	55.87 3.01 0.00	60.80 3.66 0.00	65.49 3.77 0.00	57.85 2.75 0.00	50.23 2.66 0.00	47.25 2.42 0.00

KENSICO____ 23655	51.98 2.29 0.00	49.96 2.15 0.00	46.79 1.97 0.00	46.13 2.03 0.00	47.13 1.99 0.00	47.02 2.07 0.00	49.42 2.35 0.00	52.67 2.65 0.00	53.40 2.83 0.00	49.71 2.77 0.00	47.98 2.76 0.00	46.43 2.67 0.00	43.69 2.43 0.00	42.44 2.40 0.00	41.90 2.45 0.00	40.97 2.43 0.00	43.88 2.48 0.00	51.08 3.07 0.00	56.04 3.17 0.00	60.92 3.77 0.00	65.61 3.89 0.00	58.08 2.98 0.00	50.23 2.66 0.00	47.34 2.51 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	51.88 2.19 0.00	49.87 2.06 0.00	46.70 1.88 0.00	46.00 1.90 0.00	47.04 1.90 0.00	46.93 1.98 0.00	49.28 2.21 0.00	52.47 2.45 0.00	53.15 2.58 0.00	49.38 2.44 0.00	47.48 2.26 0.00	45.90 2.14 0.00	43.19 1.94 0.00	41.92 1.88 0.00	41.30 1.85 0.00	40.39 1.85 0.00	43.38 1.99 0.00	50.69 2.69 0.00	55.67 2.80 0.00	60.63 3.49 0.00	65.43 3.70 0.00	57.85 2.75 0.00	49.94 2.38 0.00	47.07 2.24 0.00
KIAC_JFK_GT1 23816	51.78 2.09 0.00	49.82 2.01 0.00	46.83 2.02 0.00	46.18 2.07 0.00	47.18 2.03 0.00	47.06 2.11 0.00	49.70 2.64 0.00	52.72 2.70 0.00	53.41 2.83 0.00	50.29 3.29 -0.07	48.34 3.12 0.00	46.73 2.98 0.00	44.27 3.01 0.00	42.88 2.84 0.00	42.37 2.92 0.00	41.47 2.93 0.00	44.09 2.69 0.00	51.48 3.41 -0.07	56.36 3.49 0.00	61.26 4.11 0.00	66.11 4.38 0.00	58.41 3.31 0.00	50.51 2.95 0.00	47.47 2.64 0.00
KIAC_JFK_GT2 23817	51.78 2.09 0.00	49.82 2.01 0.00	46.83 2.02 0.00	46.18 2.07 0.00	47.18 2.03 0.00	47.06 2.11 0.00	49.70 2.64 0.00	52.72 2.70 0.00	53.41 2.83 0.00	50.29 3.29 -0.07	48.34 3.12 0.00	46.73 2.98 0.00	44.27 3.01 0.00	42.88 2.84 0.00	42.37 2.92 0.00	41.47 2.93 0.00	44.09 2.69 0.00	51.48 3.41 -0.07	56.36 3.49 0.00	61.26 4.11 0.00	66.11 4.38 0.00	58.41 3.31 0.00	50.51 2.95 0.00	47.47 2.64 0.00
KIAC_JFK____ 323774	51.78 2.09 0.00	49.86 2.05 0.00	46.79 1.97 0.00	46.18 2.07 0.00	47.09 1.94 0.00	47.02 2.07 0.00	49.84 2.78 0.00	52.72 2.70 0.00	53.40 2.83 0.00	50.29 3.28 -0.07	48.34 3.12 0.00	46.82 3.06 0.00	44.18 2.93 0.00	43.00 2.96 0.00	42.45 3.00 0.00	41.63 3.08 0.00	44.38 2.98 0.00	51.48 3.41 -0.07	56.36 3.49 0.00	61.26 4.12 0.00	66.11 4.38 0.00	58.41 3.31 0.00	50.51 2.95 0.00	47.43 2.60 0.00
KINTIGH____ 23543	47.65 -2.04 0.00	45.75 -2.06 0.00	42.80 -2.02 0.00	41.99 -2.12 0.00	42.98 -2.17 0.00	42.70 -2.25 0.00	45.00 -2.07 0.00	47.67 -2.35 0.00	47.79 -2.78 0.00	44.17 -2.77 0.00	42.32 -2.89 0.00	41.26 -2.49 0.00	39.40 -1.86 0.00	37.95 -2.08 0.00	37.32 -2.13 0.00	36.92 -1.62 0.00	40.11 -1.28 0.00	45.51 -2.50 0.00	50.06 -2.80 0.00	54.34 -2.80 0.00	58.70 -3.02 0.00	52.29 -2.81 0.00	45.14 -2.43 0.00	42.23 -2.60 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	51.08 1.39 0.00	49.29 1.48 0.00	46.25 1.43 0.00	45.47 1.37 0.00	46.37 1.22 0.00	46.17 1.21 0.00	48.10 1.04 0.00	51.02 1.00 0.00	51.68 1.11 0.00	47.83 0.89 0.00	46.12 0.90 0.00	44.81 1.05 0.00	42.04 0.78 0.00	40.72 0.68 0.00	40.00 0.55 0.00	38.97 0.42 0.00	41.69 0.29 0.00	48.53 0.53 0.00	53.29 0.42 0.00	57.66 0.51 0.00	62.71 0.99 0.00	56.37 1.27 0.00	48.42 0.86 0.00	45.64 0.81 0.00
LACHUTE____HYDRO 323717	53.87 4.17 0.00	51.78 3.97 0.00	48.36 3.54 0.00	47.68 3.57 0.00	48.80 3.66 0.00	48.68 3.73 0.00	50.88 3.81 0.00	53.92 3.90 0.00	54.41 3.84 0.00	50.36 3.42 0.00	48.47 3.26 0.00	46.77 3.02 0.00	43.73 2.48 0.00	42.32 2.28 0.00	41.74 2.29 0.00	40.59 2.04 0.00	43.88 2.48 0.00	51.46 3.46 0.00	57.52 4.65 0.00	63.09 5.94 0.00	68.02 6.30 0.00	59.73 4.63 0.00	51.46 3.90 0.00	48.55 3.72 0.00
LAWRNCAL_115KV_TB1 80681	48.95 -0.75 0.00	47.19 -0.62 0.00	44.55 -0.27 0.00	43.84 -0.26 0.00	44.47 -0.68 0.00	44.32 -0.63 0.00	46.08 -0.99 0.00	48.82 -1.20 0.00	49.36 -1.21 0.00	45.71 -1.22 0.00	44.40 -0.81 0.00	43.06 -0.70 0.00	40.43 -0.83 0.00	39.16 -0.88 0.00	38.50 -0.95 0.00	37.50 -1.04 0.00	40.11 -1.28 0.00	46.37 -1.63 0.00	51.01 -1.85 0.00	55.09 -2.06 0.00	59.87 -1.85 0.00	54.05 -1.05 0.00	46.52 -1.05 0.00	44.29 -0.54 0.00
LEDERLE____ 23769	51.78 2.09 0.00	49.77 1.96 0.00	46.61 1.79 0.00	45.91 1.81 0.00	46.95 1.81 0.00	46.84 1.89 0.00	49.23 2.17 0.00	52.52 2.50 0.00	53.25 2.68 0.00	49.52 2.58 0.00	47.80 2.58 0.00	46.21 2.45 0.00	43.48 2.23 0.00	42.24 2.20 0.00	41.66 2.21 0.00	40.74 2.20 0.00	43.67 2.28 0.00	50.83 2.83 0.00	55.72 2.85 0.00	60.63 3.49 0.00	65.36 3.64 0.00	57.80 2.70 0.00	49.99 2.43 0.00	47.16 2.33 0.00
LIGHTHSE_115KV_TB6 355974	49.24 -0.45 0.00	47.43 -0.38 0.00	44.41 -0.40 0.00	43.71 -0.40 0.00	44.79 -0.36 0.00	44.50 -0.45 0.00	46.55 -0.52 0.00	49.52 -0.50 0.00	49.86 -0.71 0.00	46.23 -0.70 0.00	44.49 -0.72 0.00	42.92 -0.83 0.00	40.55 -0.70 0.00	39.20 -0.84 0.00	38.46 -0.99 0.00	37.70 -0.85 0.00	40.61 -0.79 0.00	47.09 -0.91 0.00	52.12 -0.74 0.00	56.74 -0.40 0.00	61.48 -0.25 0.00	54.66 -0.44 0.00	47.09 -0.48 0.00	44.25 -0.58 0.00
LINDEN COGEN____ 23786	52.22 2.53 0.00	50.20 2.39 0.00	46.92 2.11 0.00	46.27 2.16 0.00	47.18 2.03 0.00	47.11 2.16 0.00	49.65 2.59 0.00	53.02 3.00 0.00	53.76 3.19 0.00	50.20 3.19 -0.07	48.34 3.12 0.00	46.73 2.98 0.00	44.02 2.76 0.00	42.64 2.60 0.00	42.05 2.60 0.00	41.28 2.74 0.00	44.25 2.85 0.00	51.53 3.46 -0.07	56.30 3.43 0.00	61.20 4.06 0.00	65.98 4.26 0.00	58.35 3.25 0.00	50.56 3.00 0.00	47.61 2.78 0.00
LINDHRST_69_KV_BK1 356055	51.73 2.04 0.00	49.58 1.77 0.00	46.61 1.79 0.00	45.96 1.85 0.00	46.82 1.67 0.00	46.71 1.75 0.00	48.76 1.69 0.00	52.07 2.05 0.00	52.49 1.92 0.00	49.51 2.58 0.00	47.56 2.35 0.00	46.16 2.41 0.00	43.65 2.39 0.00	42.44 2.40 0.00	42.13 2.68 0.00	41.28 2.74 0.00	44.13 2.73 0.00	50.88 2.88 0.00	55.93 3.07 0.00	60.86 3.71 0.00	65.55 3.83 0.00	57.80 2.70 0.00	50.08 2.52 0.00	47.43 2.60 0.00
LIPA_MISC_IPP 23656	51.43 1.74 0.00	49.29 1.48 0.00	46.34 1.52 0.00	45.69 1.59 0.00	46.55 1.40 0.00	46.39 1.44 0.00	48.48 1.41 0.00	51.77 1.75 0.00	52.08 1.52 0.00	49.09 2.16 0.00	47.16 1.94 0.00	45.77 2.01 0.00	43.28 2.02 0.00	42.04 2.00 0.00	41.78 2.33 0.00	40.93 2.39 0.00	43.84 2.44 0.00	50.54 2.54 0.00	55.66 2.80 0.00	60.52 3.37 0.00	65.18 3.46 0.00	57.52 2.42 0.00	49.85 2.28 0.00	47.34 2.51 0.00
LISF____SOLAR 323691	51.53 1.84 0.00	49.29 1.48 0.00	46.34 1.52 0.00	45.74 1.63 0.00	46.32 1.17 0.00	46.26 1.30 0.00	48.57 1.51 0.00	51.87 1.85 0.00	52.13 1.57 0.00	49.14 2.21 0.00	47.20 1.99 0.00	45.68 1.92 0.00	43.32 2.06 0.00	41.96 1.92 0.00	41.70 2.25 0.00	40.97 2.43 0.00	43.97 2.57 0.00	50.64 2.64 0.00	55.77 2.91 0.00	60.63 3.49 0.00	65.30 3.58 0.00	57.64 2.54 0.00	49.89 2.33 0.00	46.89 2.06 0.00

LITTLE FALLS___HYD 24013	49.74 0.05 0.00	47.81 0.00 0.00	44.77 -0.04 0.00	44.02 -0.09 0.00	45.10 -0.05 0.00	44.82 -0.13 0.00	46.93 -0.14 0.00	49.82 -0.20 0.00	50.37 -0.20 0.00	46.84 -0.09 0.00	45.13 -0.09 0.00	43.49 -0.26 0.00	40.88 -0.37 0.00	39.52 -0.52 0.00	38.86 -0.59 0.00	37.93 -0.62 0.00	40.69 -0.70 0.00	47.28 -0.72 0.00	52.18 -0.69 0.00	56.69 -0.46 0.00	61.29 -0.43 0.00	54.55 -0.55 0.00	47.09 -0.48 0.00	44.47 -0.36 0.00
LITTLRIV_115KV_TB1 356100	49.49 -0.20 0.00	47.71 -0.10 0.00	45.04 0.22 0.00	44.33 0.22 0.00	45.01 -0.14 0.00	44.86 -0.09 0.00	46.60 -0.47 0.00	49.32 -0.70 0.00	49.81 -0.76 0.00	46.04 -0.89 0.00	44.72 -0.50 0.00	43.32 -0.44 0.00	40.68 -0.58 0.00	39.32 -0.72 0.00	38.66 -0.79 0.00	37.70 -0.85 0.00	40.36 -1.03 0.00	46.75 -1.25 0.00	51.49 -1.37 0.00	55.77 -1.37 0.00	60.67 -1.05 0.00	54.71 -0.39 0.00	47.09 -0.48 0.00	44.74 -0.09 0.00
LI_NEWBRDGE___DRP 323616	51.23 1.54 0.00	49.15 1.34 0.00	46.21 1.39 0.00	45.56 1.46 0.00	46.37 1.22 0.00	46.30 1.35 0.00	48.34 1.27 0.00	51.62 1.60 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.20 1.99 0.00	45.77 2.01 0.00	43.28 2.02 0.00	42.08 2.04 0.00	41.74 2.29 0.00	40.89 2.35 0.00	43.63 2.24 0.00	50.40 2.40 0.00	55.24 2.38 0.00	60.12 2.97 0.00	64.75 3.02 0.00	57.14 2.04 0.00	49.51 1.95 0.00	46.85 2.02 0.00
LOCKPORT_115KV_TB60_63_64 80432	46.91 -2.78 0.00	44.99 -2.82 0.00	42.08 -2.73 0.00	41.24 -2.87 0.00	42.30 -2.84 0.00	41.90 -3.06 0.00	44.24 -2.82 0.00	46.82 -3.20 0.00	46.73 -3.84 0.00	43.18 -3.75 0.00	41.33 -3.89 0.00	40.39 -3.37 0.00	38.70 -2.56 0.00	37.15 -2.88 0.00	36.53 -2.92 0.00	36.31 -2.24 0.00	39.58 -1.82 0.00	44.59 -3.41 0.00	49.06 -3.81 0.00	53.32 -3.83 0.00	57.53 -4.20 0.00	51.30 -3.80 0.00	44.33 -3.23 0.00	41.33 -3.50 0.00
LOCKPORT___CC1 323769	46.91 -2.78 0.00	45.04 -2.77 0.00	42.08 -2.74 0.00	41.28 -2.82 0.00	42.17 -2.98 0.00	41.80 -3.15 0.00	44.24 -2.82 0.00	46.82 -3.20 0.00	46.72 -3.85 0.00	43.18 -3.76 0.00	41.37 -3.84 0.00	40.43 -3.33 0.00	38.86 -2.39 0.00	37.44 -2.60 0.00	37.32 -2.13 0.00	36.35 -2.20 0.00	39.49 -1.90 0.00	44.60 -3.41 0.00	49.06 -3.81 0.00	53.32 -3.83 0.00	57.52 -4.20 0.00	51.35 -3.75 0.00	44.33 -3.24 0.00	41.60 -3.23 0.00
LOCKPORT___CC2 323770	46.91 -2.78 0.00	45.04 -2.77 0.00	42.08 -2.74 0.00	41.28 -2.82 0.00	42.17 -2.98 0.00	41.80 -3.15 0.00	44.24 -2.82 0.00	46.82 -3.20 0.00	46.72 -3.85 0.00	43.18 -3.76 0.00	41.37 -3.84 0.00	40.43 -3.33 0.00	38.86 -2.39 0.00	37.44 -2.60 0.00	37.32 -2.13 0.00	36.35 -2.20 0.00	39.49 -1.90 0.00	44.60 -3.41 0.00	49.06 -3.81 0.00	53.32 -3.83 0.00	57.52 -4.20 0.00	51.35 -3.75 0.00	44.33 -3.24 0.00	41.60 -3.23 0.00
LOCKPORT___CC3 323771	46.91 -2.78 0.00	45.04 -2.77 0.00	42.08 -2.74 0.00	41.28 -2.82 0.00	42.17 -2.98 0.00	41.80 -3.15 0.00	44.24 -2.82 0.00	46.82 -3.20 0.00	46.72 -3.85 0.00	43.18 -3.76 0.00	41.37 -3.84 0.00	40.43 -3.33 0.00	38.86 -2.39 0.00	37.44 -2.60 0.00	37.32 -2.13 0.00	36.35 -2.20 0.00	39.49 -1.90 0.00	44.60 -3.41 0.00	49.06 -3.81 0.00	53.32 -3.83 0.00	57.52 -4.20 0.00	51.35 -3.75 0.00	44.33 -3.24 0.00	41.60 -3.23 0.00
LONG_LAKE_PHOENIX 24014	48.80 -0.89 0.00	47.00 -0.81 0.00	44.01 -0.81 0.00	43.27 -0.84 0.00	44.33 -0.81 0.00	44.14 -0.81 0.00	46.27 -0.80 0.00	49.22 -0.80 0.00	49.71 -0.86 0.00	46.04 -0.89 0.00	44.27 -0.95 0.00	42.79 -0.96 0.00	40.47 -0.78 0.00	39.24 -0.80 0.00	38.58 -0.87 0.00	37.77 -0.77 0.00	40.74 -0.66 0.00	47.14 -0.86 0.00	51.97 -0.90 0.00	56.34 -0.80 0.00	60.92 -0.80 0.00	54.16 -0.94 0.00	46.71 -0.86 0.00	43.89 -0.94 0.00
LOVETT___3 23632	51.63 1.94 0.00	49.63 1.82 0.00	46.47 1.66 0.00	45.78 1.68 0.00	46.82 1.67 0.00	46.66 1.71 0.00	49.09 2.02 0.00	52.37 2.35 0.00	53.05 2.48 0.00	49.38 2.44 0.00	47.66 2.44 0.00	46.08 2.32 0.00	43.40 2.15 0.00	42.12 2.08 0.00	41.58 2.13 0.00	40.66 2.12 0.00	43.55 2.15 0.00	50.69 2.69 0.00	55.56 2.70 0.00	60.40 3.26 0.00	65.12 3.39 0.00	57.63 2.53 0.00	49.80 2.24 0.00	47.03 2.20 0.00
LOVETT___4 23642	51.63 1.94 0.00	49.63 1.82 0.00	46.47 1.66 0.00	45.78 1.68 0.00	46.82 1.67 0.00	46.66 1.71 0.00	49.09 2.02 0.00	52.37 2.35 0.00	53.05 2.48 0.00	49.38 2.44 0.00	47.66 2.44 0.00	46.08 2.32 0.00	43.40 2.15 0.00	42.12 2.08 0.00	41.58 2.13 0.00	40.66 2.12 0.00	43.55 2.15 0.00	50.69 2.69 0.00	55.56 2.70 0.00	60.40 3.26 0.00	65.12 3.39 0.00	57.63 2.53 0.00	49.80 2.24 0.00	47.03 2.20 0.00
LOVETT___5 23593	51.63 1.94 0.00	49.63 1.82 0.00	46.47 1.66 0.00	45.78 1.68 0.00	46.82 1.67 0.00	46.66 1.71 0.00	49.09 2.02 0.00	52.37 2.35 0.00	53.05 2.48 0.00	49.38 2.44 0.00	47.66 2.44 0.00	46.08 2.32 0.00	43.40 2.15 0.00	42.12 2.08 0.00	41.58 2.13 0.00	40.66 2.12 0.00	43.55 2.15 0.00	50.69 2.69 0.00	55.56 2.70 0.00	60.40 3.26 0.00	65.12 3.39 0.00	57.63 2.53 0.00	49.80 2.24 0.00	47.03 2.20 0.00
LOWER RAQUET___HYD 24057	48.75 -0.95 0.00	46.95 -0.86 0.00	44.41 -0.40 0.00	43.66 -0.44 0.00	44.70 -0.45 0.00	44.46 -0.49 0.00	45.89 -1.17 0.00	48.57 -1.45 0.00	49.15 -1.42 0.00	45.48 -1.46 0.00	44.18 -1.04 0.00	42.84 -0.92 0.00	40.22 -1.03 0.00	38.92 -1.12 0.00	38.23 -1.22 0.00	37.27 -1.27 0.00	39.87 -1.53 0.00	46.13 -1.87 0.00	50.75 -2.12 0.00	54.86 -2.29 0.00	59.62 -2.10 0.00	53.78 -1.32 0.00	46.33 -1.24 0.00	44.07 -0.76 0.00
LOWER___HUDSON 24059	51.23 1.54 0.00	49.24 1.43 0.00	46.12 1.30 0.00	45.43 1.32 0.00	46.46 1.31 0.00	46.35 1.40 0.00	48.57 1.51 0.00	51.62 1.60 0.00	52.24 1.67 0.00	48.62 1.69 0.00	46.84 1.63 0.00	45.33 1.57 0.00	42.53 1.28 0.00	41.32 1.28 0.00	40.75 1.30 0.00	39.86 1.31 0.00	42.76 1.36 0.00	49.73 1.73 0.00	54.87 2.01 0.00	59.60 2.46 0.00	64.19 2.47 0.00	56.97 1.87 0.00	49.23 1.66 0.00	46.35 1.53 0.00
LOWVILLE_115KV_TB2 356335	50.29 0.60 0.00	48.38 0.57 0.00	45.35 0.54 0.00	44.63 0.53 0.00	45.73 0.59 0.00	45.49 0.54 0.00	47.58 0.52 0.00	50.57 0.55 0.00	50.87 0.30 0.00	47.03 0.09 0.00	45.26 0.05 0.00	43.58 -0.18 0.00	41.05 -0.21 0.00	39.36 -0.68 0.00	38.62 -0.83 0.00	37.81 -0.73 0.00	40.74 -0.66 0.00	47.47 -0.53 0.00	52.60 -0.26 0.00	57.60 0.46 0.00	62.40 0.68 0.00	55.49 0.39 0.00	47.61 0.05 0.00	44.83 0.00 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	51.98 2.29 0.00	50.01 2.20 0.00	46.79 1.97 0.00	46.09 1.98 0.00	47.22 2.08 0.00	47.06 2.11 0.00	49.23 2.17 0.00	52.27 2.25 0.00	52.84 2.28 0.00	49.09 2.16 0.00	47.30 2.08 0.00	45.68 1.93 0.00	42.86 1.61 0.00	41.64 1.60 0.00	41.11 1.66 0.00	40.05 1.50 0.00	43.05 1.66 0.00	50.21 2.21 0.00	55.56 2.70 0.00	60.46 3.31 0.00	65.24 3.52 0.00	57.74 2.64 0.00	49.85 2.28 0.00	46.98 2.15 0.00

LUTHERNY_35_KV_BK2 355980	52.03 2.34 0.00	50.01 2.20 0.00	46.83 2.02 0.00	46.09 1.98 0.00	47.27 2.12 0.00	47.11 2.16 0.00	49.28 2.21 0.00	52.32 2.30 0.00	52.90 2.33 0.00	49.14 2.21 0.00	47.34 2.13 0.00	45.73 1.97 0.00	42.90 1.65 0.00	41.64 1.60 0.00	41.11 1.66 0.00	40.05 1.50 0.00	43.10 1.70 0.00	50.21 2.21 0.00	55.61 2.75 0.00	60.52 3.37 0.00	65.24 3.52 0.00	57.74 2.64 0.00	49.89 2.33 0.00	47.03 2.20 0.00
LWR___OSWEGATCHIE_HYD 23850	49.19 -0.50 0.00	47.38 -0.43 0.00	44.59 -0.22 0.00	43.88 -0.22 0.00	44.74 -0.41 0.00	44.55 -0.40 0.00	46.41 -0.66 0.00	49.22 -0.80 0.00	49.61 -0.96 0.00	45.90 -1.03 0.00	44.36 -0.86 0.00	42.84 -0.92 0.00	40.31 -0.95 0.00	38.80 -1.24 0.00	38.15 -1.30 0.00	37.23 -1.31 0.00	39.99 -1.41 0.00	46.47 -1.54 0.00	51.33 -1.53 0.00	55.89 -1.26 0.00	60.67 -1.05 0.00	54.38 -0.72 0.00	46.75 -0.81 0.00	44.20 -0.63 0.00
LYONS_FALL_HYD 23570	50.39 0.70 0.00	48.48 0.67 0.00	45.44 0.63 0.00	44.72 0.62 0.00	45.87 0.72 0.00	45.63 0.68 0.00	47.73 0.66 0.00	50.77 0.75 0.00	51.13 0.56 0.00	47.36 0.42 0.00	45.54 0.32 0.00	43.89 0.13 0.00	41.38 0.12 0.00	39.80 -0.24 0.00	39.13 -0.32 0.00	38.28 -0.27 0.00	41.23 -0.16 0.00	48.00 0.00 0.00	53.08 0.21 0.00	58.00 0.86 0.00	62.77 1.05 0.00	55.76 0.66 0.00	47.90 0.34 0.00	45.10 0.27 0.00
MADISON___COUNTY_LFGE 323628	50.78 1.09 0.00	48.86 1.05 0.00	45.76 0.94 0.00	45.03 0.93 0.00	46.18 1.04 0.00	45.94 0.99 0.00	48.20 1.13 0.00	51.27 1.25 0.00	51.68 1.11 0.00	47.83 0.89 0.00	46.03 0.81 0.00	44.37 0.61 0.00	41.91 0.66 0.00	40.52 0.48 0.00	39.84 0.39 0.00	39.01 0.46 0.00	42.06 0.66 0.00	48.87 0.86 0.00	53.97 1.11 0.00	58.80 1.66 0.00	63.64 1.91 0.00	56.42 1.32 0.00	48.56 1.00 0.00	45.68 0.85 0.00
MALONE___115KV_TB1 356076	50.54 0.84 0.00	48.72 0.91 0.00	45.80 0.99 0.00	45.03 0.93 0.00	45.87 0.72 0.00	45.72 0.76 0.00	47.63 0.56 0.00	50.47 0.45 0.00	51.13 0.56 0.00	47.31 0.38 0.00	45.71 0.50 0.00	44.41 0.66 0.00	41.67 0.41 0.00	40.32 0.28 0.00	39.61 0.16 0.00	38.54 0.00 0.00	41.23 -0.17 0.00	47.91 -0.10 0.00	52.60 -0.26 0.00	56.97 -0.17 0.00	61.97 0.25 0.00	55.82 0.72 0.00	47.94 0.38 0.00	45.28 0.45 0.00
MAPLEWOD_115KV_TB3 80458	50.93 1.24 0.00	49.01 1.20 0.00	45.89 1.08 0.00	45.21 1.10 0.00	46.28 1.13 0.00	46.12 1.17 0.00	48.38 1.32 0.00	51.37 1.35 0.00	51.99 1.42 0.00	48.39 1.45 0.00	46.62 1.40 0.00	45.07 1.31 0.00	42.37 1.11 0.00	41.20 1.16 0.00	40.71 1.26 0.00	39.70 1.16 0.00	42.60 1.20 0.00	49.49 1.49 0.00	54.66 1.80 0.00	59.26 2.11 0.00	63.88 2.16 0.00	56.64 1.54 0.00	48.94 1.38 0.00	46.13 1.30 0.00
MAPLE_RIDGE_WT_1 323574	49.49 -0.20 0.00	47.62 -0.19 0.00	44.68 -0.13 0.00	43.93 -0.18 0.00	44.92 -0.22 0.00	44.68 -0.27 0.00	46.64 -0.42 0.00	49.52 -0.50 0.00	50.06 -0.51 0.00	46.47 -0.47 0.00	44.81 -0.41 0.00	43.36 -0.39 0.00	40.80 -0.45 0.00	39.60 -0.44 0.00	38.98 -0.47 0.00	38.08 -0.46 0.00	40.86 -0.54 0.00	47.48 -0.53 0.00	52.34 -0.53 0.00	56.46 -0.68 0.00	60.99 -0.74 0.00	54.60 -0.50 0.00	47.09 -0.48 0.00	44.43 -0.40 0.00
MAPLE_RIDGE_WT_2 323611	49.49 -0.20 0.00	47.62 -0.19 0.00	44.68 -0.13 0.00	43.93 -0.18 0.00	44.92 -0.22 0.00	44.68 -0.27 0.00	46.64 -0.42 0.00	49.52 -0.50 0.00	50.06 -0.51 0.00	46.47 -0.47 0.00	44.81 -0.41 0.00	43.36 -0.39 0.00	40.80 -0.45 0.00	39.60 -0.44 0.00	38.98 -0.47 0.00	38.08 -0.46 0.00	40.86 -0.54 0.00	47.48 -0.53 0.00	52.34 -0.53 0.00	56.46 -0.68 0.00	60.99 -0.74 0.00	54.60 -0.50 0.00	47.09 -0.48 0.00	44.43 -0.40 0.00
MARBLE_RIVER_WT_PWR 323696	50.44 0.75 0.00	48.57 0.76 0.00	45.67 0.85 0.00	44.90 0.79 0.00	45.91 0.77 0.00	45.72 0.76 0.00	47.49 0.42 0.00	50.37 0.35 0.00	50.97 0.40 0.00	47.22 0.28 0.00	45.58 0.36 0.00	44.19 0.44 0.00	41.50 0.25 0.00	40.20 0.16 0.00	39.53 0.08 0.00	38.51 -0.04 0.00	41.23 -0.16 0.00	47.95 -0.05 0.00	52.71 -0.16 0.00	56.86 -0.28 0.00	61.66 -0.06 0.00	55.49 0.39 0.00	47.71 0.14 0.00	45.05 0.23 0.00
MARSHVLE_115KV_TB1 80742	53.12 3.43 0.00	51.01 3.20 0.00	47.82 3.00 0.00	47.06 2.96 0.00	48.26 3.12 0.00	48.10 3.15 0.00	50.27 3.20 0.00	53.37 3.35 0.00	53.70 3.14 0.00	49.42 2.49 0.00	47.39 2.17 0.00	45.59 1.84 0.00	43.03 1.77 0.00	41.64 1.60 0.00	41.11 1.66 0.00	39.93 1.39 0.00	42.97 1.57 0.00	50.50 2.50 0.00	56.57 3.70 0.00	62.06 4.91 0.00	66.97 5.25 0.00	59.29 4.19 0.00	51.04 3.47 0.00	47.97 3.14 0.00
MARSH_HILL_WT_PWR 323713	49.39 -0.30 0.00	47.53 -0.29 0.00	44.32 -0.49 0.00	43.62 -0.48 0.00	44.56 -0.59 0.00	44.28 -0.67 0.00	46.79 -0.28 0.00	49.77 -0.25 0.00	49.66 -0.91 0.00	45.53 -1.41 0.00	43.54 -1.67 0.00	42.18 -1.57 0.00	40.39 -0.87 0.00	38.96 -1.08 0.00	38.82 -0.63 0.00	37.97 -0.58 0.00	41.27 -0.12 0.00	47.38 -0.63 0.00	52.28 -0.58 0.00	57.09 -0.06 0.00	61.85 0.12 0.00	54.83 -0.27 0.00	47.18 -0.38 0.00	44.25 -0.58 0.00
MCINTYRE_115KV_TB2 80467	50.04 0.35 0.00	48.24 0.43 0.00	45.53 0.72 0.00	44.81 0.71 0.00	45.51 0.36 0.00	45.36 0.40 0.00	47.11 0.05 0.00	49.82 -0.20 0.00	50.27 -0.30 0.00	46.42 -0.52 0.00	45.04 -0.18 0.00	43.67 -0.09 0.00	40.97 -0.29 0.00	39.64 -0.40 0.00	38.98 -0.47 0.00	38.00 -0.54 0.00	40.74 -0.66 0.00	47.19 -0.82 0.00	52.02 -0.85 0.00	56.40 -0.74 0.00	61.35 -0.37 0.00	55.32 0.22 0.00	47.61 0.05 0.00	45.28 0.45 0.00
MECO_____69_KV_BK1 80468	53.62 3.93 0.00	51.54 3.73 0.00	48.27 3.45 0.00	47.50 3.40 0.00	48.71 3.57 0.00	48.59 3.64 0.00	50.74 3.67 0.00	53.77 3.75 0.00	54.11 3.54 0.00	49.89 2.96 0.00	47.88 2.67 0.00	46.16 2.41 0.00	43.40 2.15 0.00	42.04 2.00 0.00	41.46 2.01 0.00	40.32 1.77 0.00	43.51 2.11 0.00	51.12 3.12 0.00	57.20 4.33 0.00	62.69 5.54 0.00	67.71 5.99 0.00	59.78 4.68 0.00	51.46 3.90 0.00	48.37 3.54 0.00
MENANDS___115KV_TB5 355628	50.68 0.99 0.00	48.77 0.96 0.00	45.67 0.85 0.00	44.99 0.88 0.00	46.09 0.95 0.00	45.94 0.99 0.00	48.15 1.08 0.00	51.17 1.15 0.00	51.78 1.21 0.00	48.25 1.31 0.00	46.44 1.22 0.00	44.94 1.18 0.00	42.20 0.95 0.00	41.08 1.04 0.00	40.59 1.14 0.00	39.58 1.04 0.00	42.43 1.03 0.00	49.30 1.30 0.00	54.40 1.53 0.00	58.92 1.77 0.00	63.51 1.79 0.00	56.37 1.27 0.00	48.70 1.14 0.00	45.91 1.08 0.00
MG INDUSTRY___DRP 24185	50.68 0.99 0.00	48.77 0.96 0.00	45.71 0.90 0.00	45.03 0.93 0.00	46.14 0.99 0.00	45.94 0.99 0.00	48.10 1.04 0.00	51.07 1.05 0.00	51.63 1.06 0.00	47.97 1.03 0.00	46.17 0.95 0.00	44.63 0.88 0.00	41.96 0.70 0.00	40.80 0.76 0.00	40.32 0.87 0.00	39.31 0.77 0.00	42.18 0.79 0.00	49.06 1.06 0.00	54.19 1.32 0.00	58.74 1.60 0.00	63.33 1.60 0.00	56.26 1.16 0.00	48.66 1.09 0.00	45.86 1.03 0.00

MID___OSWEGATCHIE_HYD 23849	49.19 -0.50 0.00	47.38 -0.43 0.00	44.59 -0.22 0.00	43.88 -0.22 0.00	44.74 -0.41 0.00	44.55 -0.40 0.00	46.41 -0.66 0.00	49.22 -0.80 0.00	49.61 -0.96 0.00	45.90 -1.03 0.00	44.36 -0.86 0.00	42.84 -0.92 0.00	40.31 -0.95 0.00	38.80 -1.24 0.00	38.15 -1.30 0.00	37.23 -1.31 0.00	39.99 -1.41 0.00	46.47 -1.54 0.00	51.33 -1.53 0.00	55.89 -1.26 0.00	60.67 -1.05 0.00	54.38 -0.72 0.00	46.75 -0.81 0.00	44.20 -0.63 0.00
MID___RAQUETTE_HYD 23851	48.75 -0.94 0.00	46.95 -0.86 0.00	44.32 -0.49 0.00	43.66 -0.44 0.00	44.29 -0.86 0.00	44.14 -0.81 0.00	45.89 -1.18 0.00	48.57 -1.45 0.00	49.15 -1.42 0.00	45.48 -1.45 0.00	44.18 -1.04 0.00	42.84 -0.92 0.00	40.22 -1.03 0.00	38.92 -1.12 0.00	38.27 -1.18 0.00	37.27 -1.27 0.00	39.87 -1.53 0.00	46.13 -1.87 0.00	50.75 -2.11 0.00	54.86 -2.29 0.00	59.62 -2.10 0.00	53.78 -1.32 0.00	46.33 -1.24 0.00	44.07 -0.76 0.00
MILLIKEN___1 23584	50.44 0.75 0.00	48.62 0.81 0.00	45.49 0.67 0.00	44.72 0.62 0.00	45.87 0.72 0.00	45.67 0.72 0.00	47.91 0.85 0.00	51.07 1.05 0.00	51.43 0.86 0.00	47.45 0.52 0.00	45.53 0.32 0.00	43.97 0.22 0.00	41.63 0.37 0.00	40.28 0.24 0.00	39.57 0.12 0.00	38.85 0.31 0.00	42.02 0.62 0.00	48.67 0.67 0.00	53.76 0.90 0.00	58.46 1.31 0.00	63.27 1.54 0.00	56.09 0.99 0.00	48.28 0.71 0.00	45.32 0.49 0.00
MILLIKEN___2 23585	50.44 0.75 0.00	48.62 0.81 0.00	45.49 0.67 0.00	44.72 0.62 0.00	45.87 0.72 0.00	45.67 0.72 0.00	47.91 0.85 0.00	51.07 1.05 0.00	51.43 0.86 0.00	47.45 0.52 0.00	45.53 0.32 0.00	43.97 0.22 0.00	41.63 0.37 0.00	40.28 0.24 0.00	39.57 0.12 0.00	38.85 0.31 0.00	42.02 0.62 0.00	48.67 0.67 0.00	53.76 0.90 0.00	58.46 1.31 0.00	63.27 1.54 0.00	56.09 0.99 0.00	48.28 0.71 0.00	45.32 0.49 0.00
MILLIKEN___DIESEL 23629	50.44 0.75 0.00	48.62 0.81 0.00	45.49 0.67 0.00	44.72 0.62 0.00	45.87 0.72 0.00	45.67 0.72 0.00	47.91 0.85 0.00	51.07 1.05 0.00	51.43 0.86 0.00	47.45 0.52 0.00	45.53 0.32 0.00	43.97 0.22 0.00	41.63 0.37 0.00	40.28 0.24 0.00	39.57 0.12 0.00	38.85 0.31 0.00	42.02 0.62 0.00	48.67 0.67 0.00	53.76 0.90 0.00	58.46 1.31 0.00	63.27 1.54 0.00	56.09 0.99 0.00	48.28 0.71 0.00	45.32 0.49 0.00
MILLSEAT___LFGE 323607	47.85 -1.84 0.00	45.90 -1.91 0.00	42.89 -1.93 0.00	42.08 -2.03 0.00	43.03 -2.12 0.00	42.66 -2.29 0.00	45.04 -2.02 0.00	47.77 -2.25 0.00	47.74 -2.83 0.00	44.07 -2.86 0.00	42.10 -3.12 0.00	41.09 -2.67 0.00	39.36 -1.90 0.00	37.87 -2.16 0.00	37.72 -1.73 0.00	36.77 -1.77 0.00	39.95 -1.45 0.00	45.41 -2.59 0.00	50.17 -2.69 0.00	54.52 -2.63 0.00	58.89 -2.84 0.00	52.46 -2.64 0.00	45.28 -2.28 0.00	42.36 -2.47 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	51.88 2.19 0.00	49.87 2.06 0.00	46.70 1.88 0.00	46.05 1.94 0.00	47.09 1.94 0.00	46.93 1.98 0.00	49.33 2.26 0.00	52.57 2.55 0.00	53.30 2.73 0.00	49.61 2.68 0.00	47.89 2.67 0.00	46.29 2.54 0.00	43.61 2.35 0.00	42.32 2.28 0.00	41.82 2.37 0.00	40.89 2.35 0.00	43.80 2.40 0.00	50.98 2.98 0.00	55.88 3.01 0.00	60.74 3.60 0.00	65.49 3.77 0.00	57.97 2.87 0.00	50.13 2.57 0.00	47.25 2.42 0.00
MILLWOOD_13_KV_LOAD 356217	52.03 2.34 0.00	50.01 2.20 0.00	46.83 2.02 0.00	46.13 2.03 0.00	47.22 2.08 0.00	47.06 2.11 0.00	49.42 2.35 0.00	52.72 2.70 0.00	53.40 2.83 0.00	49.66 2.72 0.00	47.98 2.76 0.00	46.38 2.63 0.00	43.65 2.39 0.00	42.40 2.36 0.00	41.86 2.41 0.00	40.97 2.43 0.00	43.88 2.48 0.00	51.08 3.07 0.00	56.04 3.17 0.00	60.97 3.83 0.00	65.67 3.95 0.00	58.08 2.98 0.00	50.23 2.66 0.00	47.34 2.51 0.00
MODEL_CITY_ENERGY 24167	46.41 -3.28 0.00	44.51 -3.30 0.00	41.64 -3.18 0.00	40.80 -3.31 0.00	41.71 -3.43 0.00	41.35 -3.60 0.00	43.73 -3.34 0.00	46.32 -3.70 0.00	46.17 -4.40 0.00	42.71 -4.22 0.00	40.88 -4.34 0.00	39.99 -3.76 0.00	38.45 -2.81 0.00	37.03 -3.00 0.00	36.92 -2.53 0.00	36.00 -2.55 0.00	39.08 -2.32 0.00	44.12 -3.89 0.00	48.53 -4.33 0.00	52.69 -4.46 0.00	56.85 -4.88 0.00	50.75 -4.35 0.00	43.80 -3.76 0.00	41.11 -3.72 0.00
MODERN_LFGE___ 323580	46.41 -3.28 0.00	44.51 -3.30 0.00	41.64 -3.18 0.00	40.80 -3.31 0.00	41.71 -3.43 0.00	41.35 -3.60 0.00	43.73 -3.34 0.00	46.32 -3.70 0.00	46.17 -4.40 0.00	42.71 -4.22 0.00	40.88 -4.34 0.00	39.99 -3.76 0.00	38.45 -2.81 0.00	37.03 -3.00 0.00	36.92 -2.53 0.00	36.00 -2.55 0.00	39.08 -2.32 0.00	44.12 -3.89 0.00	48.53 -4.33 0.00	52.69 -4.46 0.00	56.85 -4.88 0.00	50.75 -4.35 0.00	43.80 -3.76 0.00	41.11 -3.72 0.00
MOHAWK_PAPER___DRP 24187	50.93 1.24 0.00	49.01 1.20 0.00	45.89 1.08 0.00	45.21 1.10 0.00	46.28 1.13 0.00	46.12 1.17 0.00	48.38 1.32 0.00	51.37 1.35 0.00	51.99 1.42 0.00	48.39 1.45 0.00	46.62 1.40 0.00	45.07 1.31 0.00	42.37 1.11 0.00	41.20 1.16 0.00	40.71 1.26 0.00	39.70 1.16 0.00	42.60 1.20 0.00	49.49 1.49 0.00	54.66 1.80 0.00	59.26 2.11 0.00	63.88 2.16 0.00	56.64 1.54 0.00	48.94 1.38 0.00	46.13 1.30 0.00
MOHICAN___35_KV_115KV_LD 80490	52.52 2.83 0.00	50.49 2.68 0.00	47.15 2.33 0.00	46.49 2.38 0.00	47.63 2.48 0.00	47.51 2.56 0.00	49.66 2.59 0.00	52.67 2.65 0.00	53.30 2.73 0.00	49.47 2.53 0.00	47.61 2.40 0.00	45.99 2.23 0.00	43.07 1.82 0.00	41.80 1.76 0.00	41.26 1.81 0.00	40.16 1.62 0.00	43.22 1.82 0.00	50.55 2.54 0.00	56.09 3.22 0.00	61.20 4.06 0.00	66.04 4.32 0.00	58.30 3.20 0.00	50.27 2.71 0.00	47.43 2.60 0.00
MONGAUP___HYD 23641	51.33 1.64 0.00	49.29 1.48 0.00	46.38 1.57 0.00	45.74 1.63 0.00	46.68 1.54 0.00	46.57 1.62 0.00	48.95 1.88 0.00	51.32 1.30 0.00	51.94 1.37 0.00	48.86 1.93 0.00	46.98 1.76 0.00	45.42 1.66 0.00	42.74 1.48 0.00	41.48 1.44 0.00	40.87 1.42 0.00	39.97 1.43 0.00	43.01 1.61 0.00	49.97 1.97 0.00	54.98 2.12 0.00	59.89 2.74 0.00	64.62 2.90 0.00	57.19 2.09 0.00	49.37 1.81 0.00	46.76 1.93 0.00
MONTAUK___DIESEL 23721	51.28 1.59 0.00	49.10 1.29 0.00	46.07 1.25 0.00	45.38 1.28 0.00	46.32 1.17 0.00	46.12 1.17 0.00	48.34 1.27 0.00	51.67 1.65 0.00	51.78 1.21 0.00	48.85 1.92 0.00	46.39 1.18 0.00	45.20 1.44 0.00	42.66 1.40 0.00	41.36 1.32 0.00	41.11 1.66 0.00	40.28 1.73 0.00	43.30 1.90 0.00	50.06 2.06 0.00	55.56 2.70 0.00	60.69 3.54 0.00	65.43 3.70 0.00	57.47 2.37 0.00	49.61 2.05 0.00	47.43 2.60 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	49.09 -0.60 0.00	47.09 -0.72 0.00	44.01 -0.81 0.00	43.13 -0.97 0.00	44.11 -1.04 0.00	43.56 -1.39 0.00	46.31 -0.75 0.00	49.52 -0.50 0.00	49.46 -1.11 0.00	45.71 -1.22 0.00	43.91 -1.31 0.00	42.62 -1.14 0.00	40.80 -0.45 0.00	39.16 -0.88 0.00	38.50 -0.95 0.00	38.08 -0.46 0.00	41.52 0.12 0.00	47.09 -0.91 0.00	51.81 -1.06 0.00	56.46 -0.69 0.00	60.98 -0.74 0.00	54.16 -0.94 0.00	46.66 -0.90 0.00	43.44 -1.39 0.00

MORRIS_RIDGE___SOLAR 323848	48.50 -1.19 0.00	46.62 -1.19 0.00	43.56 -1.25 0.00	42.78 -1.32 0.00	43.75 -1.40 0.00	43.42 -1.53 0.00	45.89 -1.17 0.00	48.72 -1.30 0.00	48.60 -1.97 0.00	44.68 -2.25 0.00	42.73 -2.49 0.00	41.53 -2.23 0.00	39.85 -1.40 0.00	38.39 -1.64 0.00	38.19 -1.26 0.00	37.31 -1.23 0.00	40.57 -0.83 0.00	46.37 -1.63 0.00	51.07 -1.80 0.00	55.72 -1.43 0.00	60.31 -1.42 0.00	53.56 -1.54 0.00	46.18 -1.38 0.00	43.35 -1.48 0.00
MORTIMER_115KV_TB3 55949	48.55 -1.14 0.00	46.62 -1.20 0.00	43.65 -1.17 0.00	42.87 -1.23 0.00	43.88 -1.26 0.00	43.60 -1.35 0.00	45.84 -1.22 0.00	48.67 -1.35 0.00	48.90 -1.67 0.00	45.25 -1.69 0.00	43.32 -1.90 0.00	42.14 -1.62 0.00	40.02 -1.24 0.00	38.64 -1.40 0.00	37.99 -1.46 0.00	37.46 -1.08 0.00	40.61 -0.79 0.00	46.47 -1.54 0.00	51.33 -1.53 0.00	55.66 -1.49 0.00	60.18 -1.54 0.00	53.56 -1.54 0.00	46.18 -1.38 0.00	43.17 -1.66 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	52.32 2.63 0.00	50.30 2.49 0.00	47.06 2.24 0.00	46.40 2.29 0.00	47.40 2.26 0.00	47.29 2.34 0.00	49.80 2.73 0.00	53.07 3.05 0.00	53.81 3.24 -0.01	50.09 3.19 0.04	48.34 3.12 -0.01	46.78 3.02 0.00	44.06 2.81 0.00	42.76 2.72 0.00	42.21 2.76 0.00	41.32 2.78 0.00	44.21 2.82 0.00	51.47 3.50 0.04	56.47 3.59 -0.01	61.37 4.23 0.00	66.11 4.38 0.00	58.46 3.36 0.00	50.61 3.04 0.00	47.70 2.87 0.00
MUNSVILLE_WIND_PWR 323609	53.52 3.83 0.00	51.54 3.73 0.00	48.22 3.40 0.00	47.37 3.26 0.00	48.62 3.48 0.00	48.33 3.37 0.00	50.93 3.86 0.00	54.27 4.25 0.00	54.31 3.74 0.00	49.94 3.01 0.00	47.84 2.62 0.00	45.86 2.10 0.00	43.36 2.10 0.00	41.72 1.68 0.00	40.99 1.54 0.00	40.20 1.66 0.00	43.63 2.23 0.00	50.88 2.88 0.00	56.51 3.64 0.00	62.23 5.08 0.00	67.52 5.80 0.00	59.56 4.46 0.00	51.03 3.47 0.00	47.92 3.09 0.00
N SALMON___HYD 24042	50.53 0.84 0.00	48.72 0.91 0.00	45.85 1.03 0.00	45.03 0.93 0.00	46.10 0.95 0.00	45.90 0.95 0.00	47.63 0.57 0.00	50.47 0.45 0.00	51.13 0.56 0.00	47.31 0.37 0.00	45.72 0.50 0.00	44.41 0.66 0.00	41.62 0.37 0.00	40.32 0.28 0.00	39.61 0.16 0.00	38.54 0.00 0.00	41.23 -0.16 0.00	47.91 -0.10 0.00	52.60 -0.26 0.00	56.97 -0.17 0.00	61.97 0.25 0.00	55.81 0.71 0.00	47.94 0.38 0.00	45.28 0.45 0.00
N.AKRON__115KV_KNAPP 355671	47.75 -1.94 0.00	45.80 -2.01 0.00	42.84 -1.97 0.00	41.99 -2.12 0.00	43.07 -2.08 0.00	42.70 -2.25 0.00	45.00 -2.07 0.00	47.72 -2.30 0.00	47.64 -2.93 0.00	43.98 -2.96 0.00	42.01 -3.21 0.00	41.00 -2.76 0.00	39.15 -2.10 0.00	37.67 -2.36 0.00	37.00 -2.45 0.00	36.77 -1.77 0.00	40.07 -1.32 0.00	45.31 -2.69 0.00	50.06 -2.80 0.00	54.40 -2.74 0.00	58.76 -2.96 0.00	52.40 -2.70 0.00	45.19 -2.38 0.00	42.09 -2.73 0.00
N.BELMOR_69_KV_BK1 55787	51.58 1.89 0.00	49.48 1.67 0.00	46.47 1.66 0.00	45.78 1.68 0.00	46.68 1.53 0.00	46.57 1.62 0.00	48.71 1.65 0.00	51.97 1.95 0.00	52.49 1.92 0.00	49.46 2.53 0.00	47.52 2.31 0.00	46.08 2.32 0.00	43.52 2.27 0.00	42.32 2.28 0.00	41.97 2.52 0.00	41.13 2.58 0.00	43.92 2.53 0.00	50.73 2.74 0.00	55.66 2.80 0.00	60.57 3.43 0.00	65.24 3.52 0.00	57.58 2.48 0.00	49.89 2.33 0.00	47.16 2.33 0.00
N.E_GEN_SANDY PD 24062	51.28 1.59 0.00	49.29 1.48 0.00	46.16 1.34 0.00	45.47 1.37 0.00	46.50 1.35 0.00	46.35 1.40 0.00	48.71 1.65 0.00	51.77 1.75 0.00	52.49 1.92 0.00	48.95 2.02 0.00	47.16 1.94 0.00	45.64 1.88 0.00	42.82 1.57 0.00	41.64 1.60 0.00	41.07 1.62 0.00	40.20 1.66 0.00	43.10 1.70 0.00	50.06 2.06 0.00	55.08 2.22 0.00	59.72 2.57 0.00	64.32 2.59 0.00	57.08 1.98 0.00	49.37 1.81 0.00	46.53 1.70 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	51.63 1.94 0.00	49.63 1.82 0.00	46.47 1.66 0.00	45.83 1.72 0.00	46.86 1.72 0.00	46.71 1.75 0.00	49.09 2.02 0.00	52.37 2.35 0.00	53.10 2.53 0.00	49.38 2.44 0.00	47.66 2.44 0.00	46.08 2.32 0.00	43.40 2.15 0.00	42.12 2.08 0.00	41.58 2.13 0.00	40.63 2.08 0.00	43.55 2.15 0.00	50.69 2.69 0.00	55.56 2.70 0.00	60.40 3.26 0.00	65.18 3.46 0.00	57.63 2.53 0.00	49.85 2.28 0.00	47.03 2.20 0.00
N.QUEENS_27_KV_LOAD 356247	53.18 3.48 -0.01	51.02 3.20 -0.01	47.29 2.46 -0.01	46.58 2.47 -0.01	47.64 2.48 -0.01	47.52 2.56 -0.01	49.99 2.92 -0.01	53.73 3.70 -0.01	54.43 3.84 -0.01	50.45 3.43 -0.09	48.58 3.35 -0.01	47.00 3.24 -0.01	44.27 3.01 -0.01	42.97 2.92 -0.01	42.42 2.96 -0.01	41.48 2.93 -0.01	44.43 3.02 -0.01	52.30 3.94 -0.36	57.00 4.12 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.13 4.02 -0.01	51.07 3.47 -0.04	48.16 3.32 -0.01
N.TROY___115KV_TB1 355778	51.23 1.54 0.00	49.24 1.43 0.00	46.12 1.30 0.00	45.43 1.32 0.00	46.55 1.40 0.00	46.39 1.44 0.00	48.57 1.51 0.00	51.62 1.60 0.00	52.24 1.67 0.00	48.67 1.74 0.00	46.89 1.67 0.00	45.33 1.58 0.00	42.53 1.28 0.00	41.36 1.32 0.00	40.87 1.42 0.00	39.85 1.31 0.00	42.76 1.37 0.00	49.73 1.73 0.00	54.87 2.01 0.00	59.60 2.46 0.00	64.19 2.47 0.00	56.97 1.87 0.00	49.23 1.66 0.00	46.40 1.57 0.00
NARROWS_GT1_1 24228	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
NARROWS_GT1_2 24229	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
NARROWS_GT1_3 24230	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
NARROWS_GT1_4 24231	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62

NARROWS_GT1_5 24232	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
NARROWS_GT1_6 24233	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
NARROWS_GT1_7 24234	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
NARROWS_GT1_8 24235	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
NARROWS_GT2_1 24236	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
NARROWS_GT2_2 24237	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
NARROWS_GT2_3 24238	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
NARROWS_GT2_4 24239	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
NARROWS_GT2_5 24240	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
NARROWS_GT2_6 24241	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
NARROWS_GT2_7 24242	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
NARROWS_GT2_8 24243	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	51.28 1.59 0.00	49.29 1.48 0.00	46.16 1.34 0.00	45.47 1.37 0.00	46.55 1.40 0.00	46.44 1.48 0.00	48.62 1.55 0.00	51.57 1.55 0.00	52.14 1.57 0.00	48.34 1.41 0.00	46.30 1.09 0.00	44.72 0.96 0.00	41.91 0.66 0.00	40.76 0.72 0.00	40.28 0.83 0.00	39.24 0.69 0.00	42.23 0.83 0.00	49.39 1.39 0.00	54.77 1.90 0.00	59.54 2.40 0.00	64.32 2.59 0.00	56.86 1.76 0.00	49.09 1.52 0.00	46.26 1.43 0.00
NCHELSEA_115KV_TR2 355582	51.93 2.24 0.00	49.87 2.06 0.00	46.74 1.93 0.00	46.05 1.94 0.00	47.09 1.94 0.00	46.93 1.98 0.00	49.28 2.21 0.00	52.47 2.45 0.00	53.20 2.63 0.00	49.47 2.53 0.00	47.66 2.44 0.00	46.08 2.32 0.00	43.32 2.06 0.00	42.08 2.04 0.00	41.50 2.05 0.00	40.59 2.04 0.00	43.55 2.15 0.00	50.79 2.78 0.00	55.77 2.91 0.00	60.69 3.54 0.00	65.43 3.70 0.00	57.85 2.75 0.00	50.04 2.47 0.00	47.16 2.33 0.00
NEG CAPITAL___MECHNVIL 23645	52.03 2.34 0.00	50.01 2.20 0.00	46.83 2.02 0.00	46.14 2.03 0.00	47.22 2.08 0.00	47.07 2.11 0.00	49.28 2.21 0.00	52.32 2.30 0.00	52.95 2.38 0.00	49.19 2.25 0.00	47.39 2.17 0.00	45.81 2.06 0.00	42.95 1.69 0.00	41.72 1.68 0.00	41.11 1.66 0.00	40.12 1.58 0.00	43.18 1.78 0.00	50.31 2.30 0.00	55.66 2.80 0.00	60.57 3.43 0.00	65.30 3.58 0.00	57.80 2.70 0.00	49.89 2.33 0.00	47.03 2.20 0.00

NEG CENTRAL_HIGH_ACRES 23767	48.00 -1.69 0.00	46.18 -1.63 0.00	43.20 -1.61 0.00	42.43 -1.68 0.00	43.43 -1.72 0.00	43.20 -1.75 0.00	45.37 -1.69 0.00	48.27 -1.75 0.00	48.60 -1.97 0.00	44.92 -2.02 0.00	43.00 -2.21 0.00	41.79 -1.97 0.00	39.64 -1.61 0.00	38.36 -1.68 0.00	37.91 -1.54 0.00	37.04 -1.50 0.00	40.07 -1.33 0.00	46.03 -1.97 0.00	50.86 -2.01 0.00	55.14 -2.00 0.00	59.62 -2.10 0.00	53.06 -2.04 0.00	45.76 -1.81 0.00	42.86 -1.97 0.00
NEG CENTRAL___DRP 24199	49.64 -0.05 0.00	47.81 0.00 0.00	44.73 -0.09 0.00	43.97 -0.13 0.00	45.06 -0.09 0.00	44.86 -0.09 0.00	47.11 0.05 0.00	50.17 0.15 0.00	50.52 -0.05 0.00	46.61 -0.33 0.00	44.72 -0.50 0.00	43.23 -0.53 0.00	41.01 -0.25 0.00	39.64 -0.40 0.00	38.98 -0.47 0.00	38.27 -0.27 0.00	41.44 0.04 0.00	47.86 -0.14 0.00	52.86 0.00 0.00	57.26 0.11 0.00	61.97 0.25 0.00	54.93 -0.17 0.00	47.42 -0.14 0.00	44.47 -0.36 0.00
NEG CENTRAL___INDECK 23768	50.09 0.40 0.00	48.15 0.34 0.00	45.00 0.18 0.00	44.19 0.09 0.00	45.24 0.09 0.00	44.95 0.00 0.00	47.30 0.24 0.00	50.22 0.20 0.00	50.01 -0.56 0.00	45.86 -1.08 0.00	43.68 -1.54 0.00	42.31 -1.44 0.00	40.39 -0.87 0.00	38.96 -1.08 0.00	38.70 -0.75 0.00	37.85 -0.69 0.00	41.19 -0.21 0.00	47.33 -0.67 0.00	52.65 -0.21 0.00	57.60 0.46 0.00	62.52 0.80 0.00	55.49 0.39 0.00	47.75 0.19 0.00	44.61 -0.22 0.00
NEG CENTRAL___SENECA 23627	49.79 0.10 0.00	47.95 0.14 0.00	44.86 0.04 0.00	44.06 -0.04 0.00	45.15 0.00 0.00	44.95 0.00 0.00	47.26 0.19 0.00	50.37 0.35 0.00	50.62 0.05 0.00	46.61 -0.33 0.00	44.67 -0.54 0.00	43.19 -0.57 0.00	41.01 -0.25 0.00	39.64 -0.40 0.00	38.94 -0.51 0.00	38.31 -0.23 0.00	41.56 0.17 0.00	47.91 -0.10 0.00	52.97 0.11 0.00	57.32 0.17 0.00	62.03 0.31 0.00	54.99 -0.11 0.00	47.52 -0.05 0.00	44.52 -0.31 0.00
NEG CENTRAL___STATE_STREET 24147	49.64 -0.05 0.00	47.86 0.05 0.00	44.77 -0.04 0.00	44.02 -0.09 0.00	45.10 -0.05 0.00	44.91 -0.04 0.00	47.16 0.09 0.00	50.22 0.20 0.00	50.67 0.10 0.00	46.89 -0.05 0.00	44.99 -0.23 0.00	43.54 -0.22 0.00	41.21 -0.04 0.00	39.88 -0.16 0.00	39.21 -0.24 0.00	38.47 -0.08 0.00	41.56 0.17 0.00	48.10 0.10 0.00	53.08 0.21 0.00	57.54 0.40 0.00	62.28 0.56 0.00	55.27 0.17 0.00	47.56 0.00 0.00	44.65 -0.18 0.00
NEG MILLWOOD___DRP 24198	52.27 2.58 0.00	50.20 2.39 0.00	47.06 2.24 0.00	46.31 2.21 0.00	47.45 2.30 0.00	47.24 2.29 0.00	49.61 2.54 0.00	52.87 2.85 0.00	53.60 3.03 0.00	49.75 2.82 0.00	48.07 2.85 0.00	46.43 2.67 0.00	43.69 2.43 0.00	42.44 2.40 0.00	41.90 2.45 0.00	40.97 2.43 0.00	43.92 2.53 0.00	51.22 3.22 0.00	56.25 3.38 0.00	61.26 4.11 0.00	65.98 4.26 0.00	58.30 3.20 0.00	50.42 2.85 0.00	47.43 2.60 0.00
NEG NORTH_FLCN_SEA 23793	50.98 1.29 0.00	49.20 1.39 0.00	46.21 1.39 0.00	45.38 1.28 0.00	46.32 1.17 0.00	46.12 1.17 0.00	48.06 0.99 0.00	50.92 0.90 0.00	51.58 1.01 0.00	47.73 0.80 0.00	46.08 0.86 0.00	44.72 0.96 0.00	41.96 0.70 0.00	40.64 0.60 0.00	39.96 0.51 0.00	38.93 0.39 0.00	41.65 0.25 0.00	48.43 0.43 0.00	53.23 0.37 0.00	57.54 0.40 0.00	62.46 0.74 0.00	56.20 1.10 0.00	48.28 0.71 0.00	45.55 0.72 0.00
NEG NORTH_KES_CHATEGAY 23792	50.49 0.80 0.00	48.67 0.86 0.00	45.71 0.90 0.00	44.94 0.84 0.00	45.82 0.68 0.00	45.63 0.67 0.00	47.54 0.47 0.00	50.37 0.35 0.00	50.97 0.40 0.00	47.22 0.28 0.00	45.53 0.32 0.00	44.19 0.44 0.00	41.46 0.21 0.00	40.16 0.12 0.00	39.49 0.04 0.00	38.51 -0.04 0.00	41.19 -0.21 0.00	47.95 -0.05 0.00	52.71 -0.16 0.00	56.92 -0.23 0.00	61.72 0.00 0.00	55.60 0.50 0.00	47.75 0.19 0.00	45.10 0.27 0.00
NEG NORTH___ALICE_FALLS 23915	51.08 1.39 0.00	49.29 1.48 0.00	46.25 1.43 0.00	45.47 1.37 0.00	46.37 1.22 0.00	46.17 1.21 0.00	48.10 1.04 0.00	51.02 1.00 0.00	51.68 1.11 0.00	47.83 0.89 0.00	46.12 0.90 0.00	44.81 1.05 0.00	42.04 0.78 0.00	40.72 0.68 0.00	40.00 0.55 0.00	38.97 0.42 0.00	41.69 0.29 0.00	48.53 0.53 0.00	53.29 0.42 0.00	57.66 0.51 0.00	62.71 0.99 0.00	56.37 1.27 0.00	48.42 0.86 0.00	45.64 0.81 0.00
NEG NORTH___LWR_SARANAC 23913	51.08 1.39 0.00	49.29 1.48 0.00	46.25 1.43 0.00	45.47 1.37 0.00	46.37 1.22 0.00	46.17 1.21 0.00	48.10 1.04 0.00	51.02 1.00 0.00	51.68 1.11 0.00	47.83 0.89 0.00	46.12 0.90 0.00	44.81 1.05 0.00	42.04 0.78 0.00	40.72 0.68 0.00	40.00 0.55 0.00	38.97 0.42 0.00	41.69 0.29 0.00	48.53 0.53 0.00	53.29 0.42 0.00	57.66 0.51 0.00	62.71 0.99 0.00	56.37 1.27 0.00	48.42 0.86 0.00	45.64 0.81 0.00
NEG NORTH___PLATTSBURG 23628	51.08 1.39 0.00	49.29 1.48 0.00	46.29 1.48 0.00	45.47 1.37 0.00	46.55 1.40 0.00	46.30 1.35 0.00	48.10 1.03 0.00	51.02 1.00 0.00	51.68 1.11 0.00	47.82 0.89 0.00	46.12 0.90 0.00	44.80 1.05 0.00	42.04 0.78 0.00	40.72 0.68 0.00	40.00 0.55 0.00	38.97 0.42 0.00	41.69 0.29 0.00	48.53 0.53 0.00	53.29 0.42 0.00	57.66 0.51 0.00	62.71 0.98 0.00	56.37 1.27 0.00	48.42 0.86 0.00	45.64 0.81 0.00
NEG WEST_LEA_LOCKPORT 23791	46.91 -2.78 0.00	45.04 -2.77 0.00	42.08 -2.73 0.00	41.28 -2.82 0.00	42.30 -2.84 0.00	41.90 -3.06 0.00	44.29 -2.78 0.00	46.82 -3.20 0.00	46.73 -3.84 0.00	43.18 -3.75 0.00	41.37 -3.84 0.00	40.39 -3.37 0.00	38.74 -2.52 0.00	37.19 -2.84 0.00	36.57 -2.88 0.00	36.39 -2.16 0.00	39.62 -1.78 0.00	44.59 -3.41 0.00	49.06 -3.81 0.00	53.32 -3.83 0.00	57.53 -4.20 0.00	51.35 -3.75 0.00	44.33 -3.23 0.00	41.33 -3.50 0.00
NEG WEST___LANCASTR 23811	47.50 -2.19 0.00	45.61 -2.20 0.00	42.66 -2.15 0.00	41.86 -2.25 0.00	42.80 -2.35 0.00	42.39 -2.56 0.00	44.95 -2.12 0.00	48.07 -1.95 0.00	48.04 -2.53 0.00	44.31 -2.63 0.00	42.55 -2.67 0.00	41.39 -2.36 0.00	39.65 -1.61 0.00	38.08 -1.96 0.00	37.44 -2.01 0.00	37.08 -1.46 0.00	40.36 -1.03 0.00	45.75 -2.26 0.00	50.17 -2.70 0.00	54.63 -2.51 0.00	58.95 -2.78 0.00	52.46 -2.64 0.00	45.23 -2.33 0.00	42.18 -2.64 0.00
NEG_PENN_ALLEGHNY 23528	49.69 0.00 0.00	47.86 0.05 0.00	44.77 -0.04 0.00	44.06 -0.04 0.00	45.10 -0.05 0.00	44.91 -0.04 0.00	47.21 0.14 0.00	50.32 0.30 0.00	50.72 0.15 0.00	46.89 -0.05 0.00	45.08 -0.14 0.00	43.63 -0.13 0.00	41.38 0.12 0.00	40.08 0.04 0.00	39.53 0.08 0.00	38.62 0.08 0.00	41.69 0.29 0.00	48.15 0.14 0.00	52.97 0.11 0.00	57.55 0.40 0.00	62.21 0.49 0.00	55.21 0.11 0.00	47.56 0.00 0.00	44.74 -0.09 0.00
NEG___GEN_MONROE 24207	48.45 -1.24 0.00	46.57 -1.24 0.00	43.56 -1.25 0.00	42.83 -1.28 0.00	43.88 -1.26 0.00	43.60 -1.35 0.00	45.84 -1.22 0.00	48.57 -1.45 0.00	48.65 -1.92 0.00	44.87 -2.07 0.00	42.96 -2.26 0.00	41.79 -1.97 0.00	39.69 -1.57 0.00	38.32 -1.72 0.00	37.64 -1.81 0.00	37.19 -1.35 0.00	40.36 -1.03 0.00	46.13 -1.87 0.00	50.96 -1.90 0.00	55.37 -1.77 0.00	59.81 -1.91 0.00	53.34 -1.76 0.00	46.04 -1.52 0.00	43.04 -1.79 0.00

NEPA__ENERGY 23901	48.15 -1.54 0.00	46.23 -1.58 0.00	43.25 -1.57 0.00	42.43 -1.68 0.00	43.39 -1.76 0.00	42.97 -1.98 0.00	45.61 -1.46 0.00	48.72 -1.30 0.00	48.70 -1.87 0.00	44.92 -2.02 0.00	43.14 -2.08 0.00	41.96 -1.79 0.00	40.18 -1.07 0.00	38.60 -1.44 0.00	37.95 -1.50 0.00	37.58 -0.96 0.00	40.90 -0.50 0.00	46.37 -1.63 0.00	50.80 -2.06 0.00	55.32 -1.83 0.00	59.75 -1.98 0.00	53.12 -1.98 0.00	45.80 -1.76 0.00	42.81 -2.02 0.00
NEVERSink__HYD 23608	51.87 2.18 0.00	49.82 2.01 0.00	46.65 1.84 0.00	46.00 1.90 0.00	46.95 1.81 0.00	46.84 1.89 0.00	49.23 2.17 0.00	52.42 2.40 0.00	53.10 2.53 0.00	49.28 2.35 0.00	47.43 2.22 0.00	45.81 2.06 0.00	43.07 1.81 0.00	41.80 1.76 0.00	41.15 1.70 0.00	40.28 1.74 0.00	43.30 1.91 0.00	50.50 2.49 0.00	55.51 2.64 0.00	60.51 3.37 0.00	65.30 3.58 0.00	57.74 2.64 0.00	49.85 2.28 0.00	46.94 2.11 0.00
NEWKRMKL_115KV_TB1 55635	50.39 0.70 0.00	48.43 0.62 0.00	45.40 0.58 0.00	44.68 0.57 0.00	45.78 0.63 0.00	45.63 0.67 0.00	47.87 0.80 0.00	50.87 0.85 0.00	51.48 0.91 0.00	47.92 0.99 0.00	46.12 0.90 0.00	44.59 0.83 0.00	41.91 0.66 0.00	40.84 0.80 0.00	40.36 0.91 0.00	39.31 0.77 0.00	42.14 0.75 0.00	48.96 0.96 0.00	54.03 1.16 0.00	58.57 1.43 0.00	63.14 1.42 0.00	55.98 0.88 0.00	48.42 0.86 0.00	45.64 0.81 0.00
NEWTON__FALLS_HYD 23847	49.19 -0.50 0.00	47.38 -0.43 0.00	44.59 -0.22 0.00	43.88 -0.22 0.00	44.74 -0.41 0.00	44.55 -0.40 0.00	46.41 -0.66 0.00	49.22 -0.80 0.00	49.61 -0.96 0.00	45.90 -1.03 0.00	44.36 -0.86 0.00	42.84 -0.92 0.00	40.31 -0.95 0.00	38.80 -1.24 0.00	38.15 -1.30 0.00	37.23 -1.31 0.00	39.99 -1.41 0.00	46.47 -1.54 0.00	51.33 -1.53 0.00	55.89 -1.26 0.00	60.67 -1.05 0.00	54.38 -0.72 0.00	46.75 -0.81 0.00	44.20 -0.63 0.00
NGRID_A1_DSASP 323792	46.46 -3.23 0.00	44.61 -3.20 0.00	41.72 -3.09 0.00	40.89 -3.22 0.00	41.81 -3.34 0.00	41.45 -3.51 0.00	43.73 -3.34 0.00	46.17 -3.85 0.00	46.07 -4.50 0.00	42.62 -4.32 0.00	40.83 -4.39 0.00	39.95 -3.81 0.00	38.45 -2.81 0.00	37.03 -3.00 0.00	36.92 -2.53 0.00	36.00 -2.55 0.00	39.04 -2.36 0.00	44.02 -3.98 0.00	48.32 -4.55 0.00	52.46 -4.68 0.00	56.60 -5.12 0.00	50.53 -4.57 0.00	43.66 -3.90 0.00	41.02 -3.81 0.00
NGRID_A2_DSASP 323793	46.46 -3.23 0.00	44.61 -3.20 0.00	41.72 -3.09 0.00	40.89 -3.22 0.00	41.81 -3.34 0.00	41.45 -3.51 0.00	43.73 -3.34 0.00	46.17 -3.85 0.00	46.07 -4.50 0.00	42.62 -4.32 0.00	40.83 -4.39 0.00	39.95 -3.81 0.00	38.45 -2.81 0.00	37.03 -3.00 0.00	36.92 -2.53 0.00	36.00 -2.55 0.00	39.04 -2.36 0.00	44.02 -3.98 0.00	48.32 -4.55 0.00	52.46 -4.68 0.00	56.60 -5.12 0.00	50.53 -4.57 0.00	43.66 -3.90 0.00	41.02 -3.81 0.00
NGRID_A4_DSASP 323807	46.46 -3.23 0.00	44.61 -3.20 0.00	41.72 -3.09 0.00	40.89 -3.22 0.00	41.81 -3.34 0.00	41.45 -3.51 0.00	43.73 -3.34 0.00	46.17 -3.85 0.00	46.07 -4.50 0.00	42.62 -4.32 0.00	40.83 -4.39 0.00	39.95 -3.81 0.00	38.45 -2.81 0.00	37.03 -3.00 0.00	36.92 -2.53 0.00	36.00 -2.55 0.00	39.04 -2.36 0.00	44.02 -3.98 0.00	48.32 -4.55 0.00	52.46 -4.68 0.00	56.60 -5.12 0.00	50.53 -4.57 0.00	43.66 -3.90 0.00	41.02 -3.81 0.00
NIAGARA_115E_LBMP 323715	46.11 -3.58 0.00	44.22 -3.59 0.00	41.37 -3.45 0.00	40.58 -3.53 0.00	41.45 -3.70 0.00	41.09 -3.87 0.00	43.49 -3.58 0.00	46.02 -4.00 0.00	45.92 -4.65 0.00	42.43 -4.51 0.00	40.65 -4.57 0.00	39.77 -3.98 0.00	38.28 -2.97 0.00	36.83 -3.20 0.00	36.73 -2.72 0.00	35.81 -2.74 0.00	38.87 -2.53 0.00	43.87 -4.13 0.00	48.21 -4.65 0.00	52.34 -4.80 0.00	56.48 -5.25 0.00	50.42 -4.68 0.00	43.52 -4.04 0.00	40.88 -3.95 0.00
NIAGARA_115W_LBMP 323714	46.36 -3.33 0.00	44.51 -3.30 0.00	41.59 -3.23 0.00	40.80 -3.31 0.00	41.71 -3.43 0.00	41.35 -3.60 0.00	43.58 -3.48 0.00	46.02 -4.00 0.00	45.92 -4.65 0.00	42.48 -4.46 0.00	40.70 -4.52 0.00	39.86 -3.89 0.00	38.33 -2.93 0.00	36.91 -3.12 0.00	36.81 -2.64 0.00	35.88 -2.66 0.00	38.91 -2.48 0.00	43.87 -4.13 0.00	48.16 -4.71 0.00	52.29 -4.86 0.00	56.41 -5.31 0.00	50.36 -4.74 0.00	43.52 -4.04 0.00	40.88 -3.95 0.00
NIAGARA_230_LBMP 323716	46.61 -3.08 0.00	44.70 -3.11 0.00	41.81 -3.00 0.00	41.02 -3.09 0.00	41.94 -3.20 0.00	41.63 -3.33 0.00	43.96 -3.11 0.00	46.52 -3.50 0.00	46.42 -4.15 0.00	42.95 -3.99 0.00	41.15 -4.07 0.00	40.30 -3.46 0.00	38.74 -2.52 0.00	37.27 -2.76 0.00	37.16 -2.29 0.00	36.27 -2.27 0.00	39.33 -2.07 0.00	44.40 -3.60 0.00	48.74 -4.12 0.00	52.92 -4.23 0.00	57.03 -4.69 0.00	50.97 -4.13 0.00	44.00 -3.57 0.00	41.38 -3.45 0.00
NIAGARA__115KV_198_GIBSON 55903	46.36 -3.33 0.00	44.51 -3.30 0.00	41.59 -3.23 0.00	40.80 -3.31 0.00	41.49 -3.66 0.00	41.13 -3.82 0.00	43.54 -3.53 0.00	46.02 -4.00 0.00	45.92 -4.65 0.00	42.48 -4.46 0.00	40.70 -4.52 0.00	39.82 -3.94 0.00	38.20 -3.05 0.00	36.71 -3.32 0.00	36.06 -3.39 0.00	35.88 -2.66 0.00	39.08 -2.32 0.00	43.87 -4.13 0.00	48.16 -4.70 0.00	52.29 -4.86 0.00	56.42 -5.31 0.00	50.36 -4.74 0.00	43.52 -4.04 0.00	40.66 -4.17 0.00
NIAGARA____ 23760	46.61 -3.08 0.00	44.70 -3.11 0.00	41.81 -3.00 0.00	41.02 -3.09 0.00	41.94 -3.20 0.00	41.63 -3.33 0.00	43.96 -3.11 0.00	46.52 -3.50 0.00	46.42 -4.15 0.00	42.95 -3.99 0.00	41.15 -4.07 0.00	40.30 -3.46 0.00	38.74 -2.52 0.00	37.27 -2.76 0.00	37.16 -2.29 0.00	36.27 -2.27 0.00	39.33 -2.07 0.00	44.40 -3.60 0.00	48.74 -4.12 0.00	52.92 -4.23 0.00	57.03 -4.69 0.00	50.97 -4.13 0.00	44.00 -3.57 0.00	41.38 -3.45 0.00
NINE_MILE_1 23575	48.45 -1.24 0.00	46.62 -1.19 0.00	43.65 -1.17 0.00	42.96 -1.15 0.00	43.97 -1.17 0.00	43.78 -1.17 0.00	45.89 -1.17 0.00	48.82 -1.20 0.00	49.25 -1.32 0.00	45.67 -1.27 0.00	43.95 -1.27 0.00	42.53 -1.22 0.00	40.22 -1.03 0.00	39.00 -1.04 0.00	38.42 -1.03 0.00	37.54 -1.00 0.00	40.40 -0.99 0.00	46.75 -1.25 0.00	51.55 -1.32 0.00	55.83 -1.31 0.00	60.31 -1.42 0.00	53.72 -1.38 0.00	46.33 -1.24 0.00	43.62 -1.21 0.00
NINE_MILE_2 23744	48.45 -1.24 0.00	46.62 -1.19 0.00	43.65 -1.17 0.00	42.96 -1.15 0.00	43.97 -1.17 0.00	43.78 -1.17 0.00	45.89 -1.17 0.00	48.82 -1.20 0.00	49.25 -1.32 0.00	45.67 -1.27 0.00	43.95 -1.27 0.00	42.53 -1.22 0.00	40.22 -1.03 0.00	39.00 -1.04 0.00	38.42 -1.03 0.00	37.54 -1.00 0.00	40.40 -0.99 0.00	46.75 -1.25 0.00	51.55 -1.32 0.00	55.83 -1.31 0.00	60.37 -1.36 0.00	53.72 -1.38 0.00	46.33 -1.24 0.00	43.62 -1.21 0.00
NM_CAPITAL__DRP 24208	50.59 0.89 0.00	48.62 0.81 0.00	45.58 0.76 0.00	44.85 0.75 0.00	45.96 0.81 0.00	45.81 0.85 0.00	48.06 0.99 0.00	51.07 1.05 0.00	51.68 1.11 0.00	48.11 1.17 0.00	46.30 1.09 0.00	44.81 1.05 0.00	42.12 0.87 0.00	41.00 0.96 0.00	40.52 1.07 0.00	39.51 0.96 0.00	42.35 0.95 0.00	49.15 1.15 0.00	54.24 1.37 0.00	58.80 1.66 0.00	63.33 1.60 0.00	56.20 1.10 0.00	48.61 1.05 0.00	45.82 0.99 0.00

NM_CENTRAL___DRP 24181	49.29 -0.40 0.00	47.43 -0.38 0.00	44.41 -0.40 0.00	43.71 -0.40 0.00	44.79 -0.36 0.00	44.59 -0.36 0.00	46.74 -0.33 0.00	49.72 -0.30 0.00	50.22 -0.35 0.00	46.51 -0.42 0.00	44.72 -0.50 0.00	43.23 -0.53 0.00	40.92 -0.33 0.00	39.68 -0.36 0.00	39.02 -0.43 0.00	38.24 -0.31 0.00	41.19 -0.21 0.00	47.67 -0.34 0.00	52.55 -0.32 0.00	56.97 -0.17 0.00	61.60 -0.12 0.00	54.71 -0.39 0.00	47.18 -0.38 0.00	44.34 -0.49 0.00
NM_FRONTIER___DRP 24179	46.36 -3.33 0.00	44.51 -3.30 0.00	41.59 -3.23 0.00	40.80 -3.31 0.00	41.49 -3.66 0.00	41.13 -3.82 0.00	43.54 -3.53 0.00	46.02 -4.00 0.00	45.92 -4.65 0.00	42.48 -4.46 0.00	40.70 -4.52 0.00	39.82 -3.94 0.00	38.20 -3.05 0.00	36.71 -3.32 0.00	36.06 -3.39 0.00	35.88 -2.66 0.00	39.08 -2.32 0.00	43.87 -4.13 0.00	48.16 -4.70 0.00	52.29 -4.86 0.00	56.42 -5.31 0.00	50.36 -4.74 0.00	43.52 -4.04 0.00	40.66 -4.17 0.00
NM_ST_REGIS___HYD 24053	49.24 -0.45 0.00	47.48 -0.33 0.00	44.77 -0.04 0.00	44.06 -0.04 0.00	44.74 -0.41 0.00	44.59 -0.36 0.00	46.36 -0.71 0.00	49.12 -0.90 0.00	49.71 -0.86 0.00	46.00 -0.94 0.00	44.58 -0.63 0.00	43.27 -0.48 0.00	40.59 -0.66 0.00	39.28 -0.76 0.00	38.62 -0.83 0.00	37.62 -0.93 0.00	40.24 -1.16 0.00	46.61 -1.39 0.00	51.23 -1.64 0.00	55.43 -1.71 0.00	60.30 -1.42 0.00	54.38 -0.72 0.00	46.75 -0.81 0.00	44.38 -0.45 0.00
NORTHPORT___1 23551	50.98 1.29 0.00	48.77 0.96 0.00	46.03 1.21 0.00	45.52 1.41 0.00	45.96 0.81 0.00	45.99 1.03 0.00	48.15 1.08 0.00	51.32 1.30 0.00	51.78 1.21 0.00	48.86 1.93 0.00	47.07 1.85 0.00	45.59 1.84 0.00	43.23 1.98 0.00	41.96 1.92 0.00	41.70 2.25 0.00	40.97 2.43 0.00	43.80 2.40 0.00	50.16 2.16 0.00	55.08 2.22 0.00	59.83 2.69 0.00	64.32 2.59 0.00	56.86 1.76 0.00	49.32 1.76 0.00	46.49 1.66 0.00
NORTHPORT___2 23552	50.98 1.29 0.00	48.77 0.96 0.00	46.03 1.21 0.00	45.52 1.41 0.00	45.96 0.81 0.00	45.99 1.03 0.00	48.15 1.08 0.00	51.32 1.30 0.00	51.78 1.21 0.00	48.86 1.93 0.00	47.07 1.85 0.00	45.59 1.84 0.00	43.23 1.98 0.00	41.96 1.92 0.00	41.70 2.25 0.00	40.97 2.43 0.00	43.80 2.40 0.00	50.16 2.16 0.00	55.08 2.22 0.00	59.83 2.69 0.00	64.32 2.59 0.00	56.86 1.76 0.00	49.32 1.76 0.00	46.49 1.66 0.00
NORTHPORT___3 23553	50.74 1.05 0.00	48.62 0.81 0.00	45.67 0.85 0.00	45.25 1.14 0.00	45.60 0.45 0.00	45.63 0.68 0.00	47.87 0.80 0.00	51.22 1.20 0.00	51.73 1.16 0.00	48.76 1.83 0.00	46.84 1.63 0.00	45.24 1.49 0.00	42.99 1.73 0.00	41.84 1.80 0.00	41.58 2.13 0.00	40.90 2.35 0.00	43.38 1.99 0.00	50.01 2.02 0.00	54.82 1.96 0.00	59.66 2.51 0.00	64.19 2.47 0.00	56.64 1.54 0.00	49.04 1.48 0.00	46.13 1.30 0.00
NORTHPORT___4 23650	50.74 1.05 0.00	48.62 0.81 0.00	45.67 0.85 0.00	45.25 1.14 0.00	45.60 0.45 0.00	45.63 0.68 0.00	47.87 0.80 0.00	51.22 1.20 0.00	51.73 1.16 0.00	48.76 1.83 0.00	46.84 1.63 0.00	45.24 1.49 0.00	42.99 1.73 0.00	41.84 1.80 0.00	41.58 2.13 0.00	40.90 2.35 0.00	43.38 1.99 0.00	50.01 2.02 0.00	54.82 1.96 0.00	59.66 2.51 0.00	64.19 2.47 0.00	56.64 1.54 0.00	49.04 1.48 0.00	46.13 1.30 0.00
NORTHPORT___IC 23718	50.98 1.29 0.00	48.86 1.05 0.00	46.07 1.25 0.00	45.52 1.41 0.00	46.32 1.17 0.00	46.17 1.21 0.00	48.15 1.08 0.00	51.32 1.30 0.00	51.78 1.21 0.00	48.85 1.92 0.00	47.07 1.85 0.00	45.73 1.97 0.00	43.28 2.02 0.00	42.08 2.04 0.00	41.78 2.33 0.00	40.97 2.43 0.00	43.76 2.36 0.00	50.16 2.16 0.00	55.08 2.22 0.00	59.83 2.69 0.00	64.32 2.59 0.00	56.86 1.76 0.00	49.32 1.76 0.00	46.89 2.06 0.00
NORTH___COUNTRY_ESR 323785	50.34 0.64 0.00	48.53 0.72 0.00	45.62 0.81 0.00	44.81 0.70 0.00	45.87 0.72 0.00	45.63 0.68 0.00	47.44 0.37 0.00	50.27 0.25 0.00	50.93 0.36 0.00	47.12 0.19 0.00	45.49 0.27 0.00	44.15 0.39 0.00	41.42 0.17 0.00	40.12 0.08 0.00	39.45 0.00 0.00	38.47 -0.08 0.00	41.15 -0.25 0.00	47.86 -0.14 0.00	52.60 -0.26 0.00	56.75 -0.40 0.00	61.54 -0.18 0.00	55.43 0.33 0.00	47.61 0.05 0.00	44.96 0.13 0.00
NPX_GEN_1385_PROXY 323591	51.13 1.44 0.00	48.96 1.15 0.00	46.16 1.34 0.00	45.65 1.54 0.00	46.14 0.99 0.00	46.12 1.17 0.00	48.29 1.22 0.00	51.52 1.50 0.00	52.08 1.52 0.00	49.14 2.21 0.00	47.65 2.44 0.00	45.86 2.10 0.00	43.40 2.14 0.00	42.08 2.04 0.00	42.13 2.68 0.00	41.40 2.85 0.00	44.25 2.85 0.00	50.30 2.30 0.00	55.24 2.38 0.00	60.06 2.91 0.00	63.88 2.16 0.00	57.08 1.98 0.00	49.47 1.90 0.00	46.67 1.84 0.00
NPX_GEN_CSC 323557	51.58 1.89 0.00	49.39 1.58 0.00	46.34 1.52 0.00	45.78 1.68 0.00	46.32 1.17 0.00	46.30 1.35 0.00	48.62 1.55 0.00	51.92 1.90 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.25 2.04 0.00	45.77 2.01 0.00	43.36 2.10 0.00	42.00 1.96 0.00	41.74 2.29 0.00	41.01 2.47 0.00	44.01 2.61 0.00	50.68 2.69 0.00	55.87 3.01 0.00	60.75 3.60 0.00	65.43 3.70 0.00	57.74 2.64 0.00	49.94 2.38 0.00	46.94 2.11 0.00
NSINS_S___GLNS_FALLS 23858	52.57 2.88 0.00	50.54 2.73 0.00	47.19 2.38 0.00	46.49 2.38 0.00	47.63 2.48 0.00	47.51 2.56 0.00	49.66 2.59 0.00	52.72 2.70 0.00	53.35 2.78 0.00	49.52 2.58 0.00	47.66 2.44 0.00	46.03 2.28 0.00	43.11 1.86 0.00	41.84 1.80 0.00	41.26 1.81 0.00	40.16 1.62 0.00	43.26 1.86 0.00	50.55 2.54 0.00	56.09 3.22 0.00	61.26 4.11 0.00	66.04 4.32 0.00	58.30 3.20 0.00	50.27 2.71 0.00	47.47 2.64 0.00
NUCOR_STEEL___DRP 24197	49.84 0.15 0.00	48.05 0.24 0.00	45.00 0.18 0.00	44.19 0.09 0.00	45.28 0.14 0.00	45.13 0.18 0.00	47.30 0.24 0.00	50.37 0.35 0.00	50.82 0.25 0.00	46.94 0.00 0.00	45.08 -0.14 0.00	43.62 -0.13 0.00	41.30 0.04 0.00	39.96 -0.08 0.00	39.29 -0.16 0.00	38.54 0.00 0.00	41.60 0.21 0.00	48.10 0.10 0.00	53.13 0.26 0.00	57.60 0.46 0.00	62.28 0.56 0.00	55.32 0.22 0.00	47.66 0.10 0.00	44.74 -0.09 0.00
NUMBER_THREE_WT_PWR 323818	50.24 0.55 0.00	48.34 0.53 0.00	45.31 0.49 0.00	44.59 0.49 0.00	45.78 0.63 0.00	45.49 0.54 0.00	47.54 0.47 0.00	50.47 0.45 0.00	50.82 0.25 0.00	46.98 0.05 0.00	45.17 -0.05 0.00	43.54 -0.22 0.00	41.01 -0.25 0.00	39.27 -0.76 0.00	38.58 -0.87 0.00	37.73 -0.81 0.00	40.65 -0.74 0.00	47.38 -0.63 0.00	52.50 -0.37 0.00	57.49 0.34 0.00	62.28 0.55 0.00	55.43 0.33 0.00	47.52 -0.05 0.00	44.78 -0.04 0.00
NYISO_LBMP_REFERENCE 24008	49.69 0.00 0.00	47.81 0.00 0.00	44.82 0.00 0.00	44.11 0.00 0.00	45.15 0.00 0.00	44.95 0.00 0.00	47.07 0.00 0.00	50.02 0.00 0.00	50.57 0.00 0.00	46.94 0.00 0.00	45.22 0.00 0.00	43.76 0.00 0.00	41.25 0.00 0.00	40.04 0.00 0.00	39.45 0.00 0.00	38.54 0.00 0.00	41.40 0.00 0.00	48.00 0.00 0.00	52.86 0.00 0.00	57.14 0.00 0.00	61.72 0.00 0.00	55.10 0.00 0.00	47.56 0.00 0.00	44.83 0.00 0.00

NYPA_BRENTWD____GT 24164	51.63 1.94 0.00	49.39 1.58 0.00	46.48 1.66 0.00	45.91 1.81 0.00	46.46 1.31 0.00	46.43 1.48 0.00	48.67 1.60 0.00	51.92 1.90 0.00	52.33 1.77 0.00	49.32 2.39 0.00	47.47 2.26 0.00	45.94 2.19 0.00	43.56 2.31 0.00	42.24 2.20 0.00	41.98 2.53 0.00	41.24 2.70 0.00	44.17 2.77 0.00	50.73 2.73 0.00	55.82 2.96 0.00	60.69 3.54 0.00	65.30 3.58 0.00	57.69 2.59 0.00	49.94 2.38 0.00	46.98 2.15 0.00
NYPA_GOWANUS____GT5 24156	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
NYPA_GOWANUS____GT6 24157	52.83 3.13 -0.01	50.78 2.97 -0.01	49.84 2.87 -2.15	49.83 2.91 -2.81	50.46 2.80 -2.51	50.46 2.88 -2.63	51.15 3.43 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.95 3.18 -7.52	51.03 3.24 -7.75	51.12 3.24 -8.43	51.27 3.24 -9.49	51.23 3.27 -6.56	54.84 4.03 -2.81	57.11 4.23 -0.01	62.07 4.92 -0.01	66.92 5.19 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.72 3.27 -2.62
NYPA_HARLEM_RVR_GT1 24160	53.03 3.33 -0.01	50.88 3.06 -0.01	47.20 2.37 -0.01	46.49 2.38 -0.01	47.46 2.30 -0.01	47.39 2.43 -0.01	49.71 2.63 -0.01	53.58 3.55 -0.01	54.27 3.69 -0.01	50.36 3.33 -0.09	48.49 3.26 -0.01	46.78 3.02 -0.01	44.03 2.76 -0.01	42.69 2.64 -0.01	42.10 2.64 -0.01	41.25 2.70 -0.01	44.39 2.98 -0.01	52.15 3.79 -0.36	56.89 4.02 -0.01	61.89 4.74 -0.01	66.73 5.00 -0.01	58.96 3.86 -0.01	50.98 3.38 -0.04	48.03 3.18 -0.01
NYPA_HARLEM_RVR_GT2 24161	53.03 3.33 -0.01	50.88 3.06 -0.01	47.20 2.37 -0.01	46.49 2.38 -0.01	47.46 2.30 -0.01	47.39 2.43 -0.01	49.71 2.63 -0.01	53.58 3.55 -0.01	54.27 3.69 -0.01	50.36 3.33 -0.09	48.49 3.26 -0.01	46.78 3.02 -0.01	44.03 2.76 -0.01	42.69 2.64 -0.01	42.10 2.64 -0.01	41.25 2.70 -0.01	44.39 2.98 -0.01	52.15 3.79 -0.36	56.89 4.02 -0.01	61.89 4.74 -0.01	66.73 5.00 -0.01	58.96 3.86 -0.01	50.98 3.38 -0.04	48.03 3.18 -0.01
NYPA_KENT____GT 24152	52.78 3.08 -0.01	50.69 2.87 -0.01	48.74 2.69 -1.24	48.46 2.74 -1.62	49.21 2.62 -1.44	49.20 2.74 -1.51	50.70 3.25 -0.39	53.53 3.50 -0.01	54.22 3.64 -0.01	52.75 3.61 -2.20	51.46 3.53 -2.72	49.93 3.37 -2.81	49.00 3.13 -4.61	47.91 3.12 -4.75	47.70 3.08 -5.17	47.49 3.12 -5.82	48.65 3.23 -4.02	53.68 3.94 -1.75	56.95 4.07 -0.01	61.95 4.80 -0.01	66.73 5.00 -0.01	59.02 3.91 -0.01	51.26 3.47 -0.23	50.56 3.18 -2.55
NYPA_POUCH1____GT 24155	52.63 2.93 -0.01	50.59 2.77 -0.01	49.75 2.78 -2.15	49.74 2.83 -2.81	50.37 2.71 -2.51	50.37 2.79 -2.63	51.06 3.34 -0.65	53.38 3.35 -0.01	54.07 3.49 -0.01	53.73 3.42 -3.37	52.50 3.39 -3.89	51.57 3.24 -4.58	51.75 2.97 -7.52	50.95 3.16 -7.75	51.00 3.12 -8.43	51.16 3.12 -9.49	51.02 3.06 -6.56	54.60 3.79 -2.81	56.84 3.97 -0.01	61.84 4.69 -0.01	66.67 4.94 -0.01	58.86 3.75 -0.01	51.22 3.28 -0.37	50.50 3.05 -2.62
NYPA_VERNON____GT2 24162	52.68 2.98 -0.01	50.64 2.82 -0.01	47.69 2.55 -0.32	47.13 2.60 -0.42	48.00 2.48 -0.38	47.91 2.56 -0.39	50.25 3.06 -0.13	53.43 3.40 -0.01	54.17 3.59 -0.01	51.47 3.52 -1.02	50.20 3.43 -1.55	48.12 3.32 -1.04	46.01 3.05 -1.71	44.76 2.96 -1.76	44.32 2.96 -1.91	43.71 3.01 -2.15	46.03 3.14 -1.49	52.53 3.84 -0.68	56.84 3.97 -0.01	61.78 4.63 -0.01	66.61 4.87 -0.01	58.91 3.80 -0.01	51.02 3.38 -0.08	48.00 3.14 -0.04
NYPA_VERNON____GT3 24163	52.68 2.98 -0.01	50.64 2.82 -0.01	47.69 2.55 -0.32	47.13 2.60 -0.42	48.00 2.48 -0.38	47.91 2.56 -0.39	50.25 3.06 -0.13	53.43 3.40 -0.01	54.17 3.59 -0.01	51.47 3.52 -1.02	50.20 3.43 -1.55	48.12 3.32 -1.04	46.01 3.05 -1.71	44.76 2.96 -1.76	44.32 2.96 -1.91	43.71 3.01 -2.15	46.03 3.14 -1.49	52.53 3.84 -0.68	56.84 3.97 -0.01	61.78 4.63 -0.01	66.61 4.87 -0.01	58.91 3.80 -0.01	51.02 3.38 -0.08	48.00 3.14 -0.04
NYPA____ASTORIA_CC1 323568	52.68 2.98 -0.01	50.64 2.82 -0.01	47.33 2.51 -0.01	46.67 2.56 -0.01	47.59 2.44 -0.01	47.52 2.56 -0.01	50.11 3.01 -0.03	53.43 3.40 -0.01	54.12 3.54 -0.01	51.17 3.52 -0.71	50.02 3.43 -1.37	47.55 3.28 -0.51	45.15 3.05 -0.84	43.83 2.92 -0.87	43.31 2.92 -0.94	42.62 3.01 -1.06	45.28 3.14 -0.73	52.20 3.84 -0.36	56.84 3.97 -0.01	61.78 4.63 -0.01	66.55 4.82 -0.01	58.86 3.75 -0.01	50.98 3.38 -0.04	47.98 3.14 -0.01
NYPA____ASTORIA_CC2 323569	52.68 2.98 -0.01	50.64 2.82 -0.01	47.33 2.51 -0.01	46.67 2.56 -0.01	47.59 2.44 -0.01	47.52 2.56 -0.01	50.11 3.01 -0.03	53.43 3.40 -0.01	54.12 3.54 -0.01	51.17 3.52 -0.71	50.02 3.43 -1.37	47.55 3.28 -0.51	45.15 3.05 -0.84	43.83 2.92 -0.87	43.31 2.92 -0.94	42.62 3.01 -1.06	45.28 3.14 -0.73	52.20 3.84 -0.36	56.84 3.97 -0.01	61.78 4.63 -0.01	66.55 4.82 -0.01	58.86 3.75 -0.01	50.98 3.38 -0.04	47.98 3.14 -0.01
NYPA____HOLTSVILL 23794	51.33 1.64 0.00	49.15 1.34 0.00	46.21 1.39 0.00	45.65 1.54 0.00	46.14 0.99 0.00	46.12 1.17 0.00	48.38 1.32 0.00	51.67 1.65 0.00	52.03 1.47 0.00	49.04 2.11 0.00	47.16 1.94 0.00	45.64 1.88 0.00	43.27 2.02 0.00	41.96 1.92 0.00	41.70 2.25 0.00	40.97 2.43 0.00	43.88 2.48 0.00	50.44 2.45 0.00	55.50 2.64 0.00	60.34 3.20 0.00	64.93 3.21 0.00	57.36 2.26 0.00	49.71 2.14 0.00	46.71 1.88 0.00
NYPA____HELLGATE_GT1 24158	53.03 3.33 -0.01	50.88 3.06 -0.01	47.20 2.37 -0.01	46.49 2.38 -0.01	47.46 2.30 -0.01	47.39 2.43 -0.01	49.71 2.63 -0.01	53.58 3.55 -0.01	54.27 3.69 -0.01	50.36 3.33 -0.09	48.49 3.26 -0.01	46.78 3.02 -0.01	44.03 2.76 -0.01	42.69 2.64 -0.01	42.10 2.64 -0.01	41.25 2.70 -0.01	44.39 2.98 -0.01	52.15 3.79 -0.36	56.89 4.02 -0.01	61.89 4.74 -0.01	66.73 5.00 -0.01	58.96 3.86 -0.01	50.98 3.38 -0.04	48.03 3.18 -0.01
NYPA____HELLGATE_GT2 24159	53.03 3.33 -0.01	50.88 3.06 -0.01	47.20 2.37 -0.01	46.49 2.38 -0.01	47.46 2.30 -0.01	47.39 2.43 -0.01	49.71 2.63 -0.01	53.58 3.55 -0.01	54.27 3.69 -0.01	50.36 3.33 -0.09	48.49 3.26 -0.01	46.78 3.02 -0.01	44.03 2.76 -0.01	42.69 2.64 -0.01	42.10 2.64 -0.01	41.25 2.70 -0.01	44.39 2.98 -0.01	52.15 3.79 -0.36	56.89 4.02 -0.01	61.89 4.74 -0.01	66.73 5.00 -0.01	58.96 3.86 -0.01	50.98 3.38 -0.04	48.03 3.18 -0.01
NYS_BARGE__HYD 23848	46.91 -2.78 0.00	44.99 -2.82 0.00	42.08 -2.74 0.00	41.24 -2.87 0.00	42.17 -2.98 0.00	41.76 -3.19 0.00	44.19 -2.87 0.00	46.82 -3.20 0.00	46.72 -3.85 0.00	43.18 -3.76 0.00	41.33 -3.89 0.00	40.39 -3.37 0.00	38.82 -2.43 0.00	37.39 -2.64 0.00	37.28 -2.17 0.00	36.31 -2.24 0.00	39.45 -1.95 0.00	44.60 -3.41 0.00	49.06 -3.81 0.00	53.32 -3.83 0.00	57.52 -4.20 0.00	51.30 -3.80 0.00	44.33 -3.24 0.00	41.56 -3.27 0.00

OAK ORCHARD___HYD 24046	48.55 -1.14 0.00	46.62 -1.19 0.00	43.65 -1.17 0.00	42.87 -1.23 0.00	43.84 -1.31 0.00	43.60 -1.35 0.00	45.84 -1.22 0.00	48.67 -1.35 0.00	48.90 -1.67 0.00	45.25 -1.69 0.00	43.32 -1.90 0.00	42.14 -1.62 0.00	40.10 -1.15 0.00	38.72 -1.32 0.00	38.35 -1.10 0.00	37.46 -1.08 0.00	40.53 -0.87 0.00	46.46 -1.54 0.00	51.33 -1.53 0.00	55.66 -1.49 0.00	60.18 -1.54 0.00	53.56 -1.54 0.00	46.18 -1.38 0.00	43.31 -1.52 0.00
OAKDALE___35_KV_LOAD 356122	49.64 -0.05 0.00	47.76 -0.05 0.00	44.68 -0.13 0.00	43.97 -0.13 0.00	45.06 -0.09 0.00	44.86 -0.09 0.00	47.11 0.05 0.00	50.22 0.20 0.00	50.62 0.05 0.00	46.84 -0.09 0.00	45.04 -0.18 0.00	43.58 -0.18 0.00	41.30 0.04 0.00	40.00 -0.04 0.00	39.33 -0.12 0.00	38.58 0.04 0.00	41.65 0.25 0.00	48.05 0.05 0.00	52.86 0.00 0.00	57.43 0.29 0.00	62.03 0.31 0.00	55.10 0.00 0.00	47.52 -0.05 0.00	44.65 -0.18 0.00
OCC_CHEM___DRP 24175	46.46 -3.23 0.00	44.61 -3.20 0.00	41.72 -3.09 0.00	40.89 -3.22 0.00	41.63 -3.52 0.00	41.27 -3.69 0.00	43.63 -3.44 0.00	46.17 -3.85 0.00	46.07 -4.50 0.00	42.62 -4.32 0.00	40.83 -4.39 0.00	39.95 -3.81 0.00	38.32 -2.93 0.00	36.83 -3.20 0.00	36.18 -3.27 0.00	36.00 -2.54 0.00	39.20 -2.19 0.00	44.02 -3.98 0.00	48.32 -4.55 0.00	52.46 -4.69 0.00	56.60 -5.12 0.00	50.53 -4.57 0.00	43.66 -3.90 0.00	40.79 -4.03 0.00
OH_GEN_PROXY 24063	46.66 -3.03 0.00	44.75 -3.06 0.00	41.86 -2.96 0.00	41.06 -3.04 0.00	41.99 -3.16 0.00	41.67 -3.28 0.00	44.01 -3.06 0.00	46.62 -3.40 0.00	46.57 -4.00 0.00	43.04 -3.90 0.00	41.24 -3.98 0.00	40.39 -3.37 0.00	38.82 -2.43 0.00	37.35 -2.68 0.00	37.24 -2.21 0.00	36.31 -2.24 0.00	39.37 -2.03 0.00	44.50 -3.50 0.00	48.84 -4.02 0.00	53.03 -4.12 0.00	57.22 -4.50 0.00	51.08 -4.02 0.00	44.09 -3.47 0.00	41.42 -3.41 0.00
OLIN_CORP_DRP 24177	46.21 -3.48 0.00	44.37 -3.44 0.00	41.45 -3.36 0.00	40.66 -3.44 0.00	41.76 -3.39 0.00	41.40 -3.55 0.00	43.68 -3.39 0.00	46.12 -3.90 0.00	46.02 -4.55 0.00	42.52 -4.41 0.00	40.74 -4.48 0.00	39.86 -3.89 0.00	38.20 -3.05 0.00	36.71 -3.32 0.00	36.10 -3.35 0.00	35.92 -2.62 0.00	39.12 -2.28 0.00	43.97 -4.03 0.00	48.32 -4.55 0.00	52.46 -4.69 0.00	56.60 -5.12 0.00	50.53 -4.57 0.00	43.66 -3.90 0.00	40.75 -4.08 0.00
OLIN_CORP_DSASP 323712	46.46 -3.23 0.00	44.61 -3.20 0.00	41.72 -3.09 0.00	40.89 -3.22 0.00	41.81 -3.34 0.00	41.45 -3.51 0.00	43.73 -3.34 0.00	46.17 -3.85 0.00	46.07 -4.50 0.00	42.62 -4.32 0.00	40.83 -4.39 0.00	39.95 -3.81 0.00	38.45 -2.81 0.00	37.03 -3.00 0.00	36.92 -2.53 0.00	36.00 -2.55 0.00	39.04 -2.36 0.00	44.02 -3.98 0.00	48.32 -4.55 0.00	52.46 -4.68 0.00	56.60 -5.12 0.00	50.53 -4.57 0.00	43.66 -3.90 0.00	41.02 -3.81 0.00
ONEIDA_HERK_LFGE 323681	50.53 0.84 0.00	48.57 0.76 0.00	45.53 0.71 0.00	44.81 0.70 0.00	45.96 0.81 0.00	45.72 0.76 0.00	47.92 0.85 0.00	50.92 0.90 0.00	51.38 0.81 0.00	47.59 0.66 0.00	45.76 0.54 0.00	44.15 0.39 0.00	41.62 0.37 0.00	40.12 0.08 0.00	39.45 0.00 0.00	38.58 0.04 0.00	41.56 0.17 0.00	48.34 0.34 0.00	53.45 0.58 0.00	58.29 1.14 0.00	63.02 1.30 0.00	56.04 0.94 0.00	48.14 0.57 0.00	45.32 0.49 0.00
ONEIDA___115KV_TB4 55905	50.78 1.09 0.00	48.86 1.05 0.00	45.76 0.94 0.00	45.03 0.93 0.00	46.18 1.04 0.00	45.94 0.99 0.00	48.20 1.13 0.00	51.27 1.25 0.00	51.68 1.11 0.00	47.83 0.89 0.00	46.03 0.81 0.00	44.37 0.61 0.00	41.91 0.66 0.00	40.52 0.48 0.00	39.84 0.39 0.00	39.01 0.46 0.00	42.06 0.66 0.00	48.87 0.86 0.00	53.97 1.11 0.00	58.80 1.66 0.00	63.64 1.91 0.00	56.42 1.32 0.00	48.56 1.00 0.00	45.68 0.85 0.00
ONONDAGA_REF_OCCRA 23987	49.44 -0.25 0.00	47.62 -0.19 0.00	44.55 -0.27 0.00	43.84 -0.26 0.00	44.92 -0.23 0.00	44.73 -0.22 0.00	46.88 -0.19 0.00	49.92 -0.10 0.00	50.42 -0.15 0.00	46.65 -0.28 0.00	44.86 -0.36 0.00	43.36 -0.39 0.00	41.05 -0.21 0.00	39.80 -0.24 0.00	39.13 -0.32 0.00	38.35 -0.19 0.00	41.36 -0.04 0.00	47.81 -0.19 0.00	52.76 -0.11 0.00	57.20 0.06 0.00	61.85 0.12 0.00	54.93 -0.17 0.00	47.33 -0.24 0.00	44.47 -0.36 0.00
ONONDAGA___COGEN 23986	49.54 -0.15 0.00	47.71 -0.10 0.00	44.68 -0.13 0.00	43.93 -0.18 0.00	45.01 -0.14 0.00	44.82 -0.13 0.00	46.97 -0.09 0.00	50.02 0.00 0.00	50.52 -0.05 0.00	46.75 -0.19 0.00	44.95 -0.27 0.00	43.45 -0.31 0.00	41.13 -0.12 0.00	39.88 -0.16 0.00	39.21 -0.24 0.00	38.39 -0.15 0.00	41.40 0.00 0.00	47.86 -0.14 0.00	52.81 -0.05 0.00	57.26 0.11 0.00	61.91 0.19 0.00	54.99 -0.11 0.00	47.37 -0.19 0.00	44.56 -0.27 0.00
ONTARIO___LFGE 23819	49.79 0.10 0.00	47.95 0.14 0.00	44.86 0.04 0.00	44.06 -0.04 0.00	45.15 0.00 0.00	44.91 -0.04 0.00	47.26 0.19 0.00	50.37 0.35 0.00	50.62 0.05 0.00	46.61 -0.33 0.00	44.68 -0.54 0.00	43.23 -0.52 0.00	41.05 -0.21 0.00	39.68 -0.36 0.00	39.18 -0.27 0.00	38.31 -0.23 0.00	41.52 0.12 0.00	47.91 -0.10 0.00	52.71 -0.16 0.00	57.32 0.17 0.00	62.03 0.31 0.00	54.99 -0.11 0.00	47.52 -0.05 0.00	44.61 -0.22 0.00
ORANGEVILLE_WT_PWR 323706	48.00 -1.69 0.00	46.09 -1.72 0.00	43.11 -1.70 0.00	42.29 -1.81 0.00	43.25 -1.89 0.00	42.89 -2.07 0.00	45.37 -1.69 0.00	48.17 -1.85 0.00	48.04 -2.53 0.00	44.26 -2.67 0.00	42.41 -2.80 0.00	41.26 -2.49 0.00	39.64 -1.61 0.00	38.20 -1.84 0.00	38.03 -1.42 0.00	37.08 -1.46 0.00	40.28 -1.12 0.00	45.89 -2.11 0.00	50.49 -2.38 0.00	55.03 -2.11 0.00	59.44 -2.28 0.00	52.89 -2.21 0.00	45.61 -1.95 0.00	42.81 -2.02 0.00
ORANGEVILLE___ESR 323794	48.00 -1.69 0.00	46.09 -1.72 0.00	43.11 -1.70 0.00	42.29 -1.81 0.00	43.25 -1.89 0.00	42.89 -2.07 0.00	45.37 -1.69 0.00	48.17 -1.85 0.00	48.04 -2.53 0.00	44.26 -2.67 0.00	42.41 -2.80 0.00	41.26 -2.49 0.00	39.64 -1.61 0.00	38.20 -1.84 0.00	38.03 -1.42 0.00	37.08 -1.46 0.00	40.28 -1.12 0.00	45.89 -2.11 0.00	50.49 -2.38 0.00	55.03 -2.11 0.00	59.44 -2.28 0.00	52.89 -2.21 0.00	45.61 -1.95 0.00	42.81 -2.02 0.00
OSWEGATCHIE___HYD 24044	49.19 -0.50 0.00	47.38 -0.43 0.00	44.64 -0.18 0.00	43.89 -0.22 0.00	45.01 -0.14 0.00	44.73 -0.22 0.00	46.41 -0.66 0.00	49.22 -0.80 0.00	49.61 -0.96 0.00	45.90 -1.03 0.00	44.36 -0.86 0.00	42.84 -0.92 0.00	40.31 -0.95 0.00	38.80 -1.24 0.00	38.11 -1.34 0.00	37.23 -1.31 0.00	39.99 -1.41 0.00	46.46 -1.54 0.00	51.33 -1.53 0.00	55.89 -1.26 0.00	60.67 -1.05 0.00	54.38 -0.72 0.00	46.75 -0.81 0.00	44.20 -0.63 0.00
OSWEGO___5 23606	48.75 -0.95 0.00	46.90 -0.91 0.00	43.92 -0.90 0.00	43.22 -0.88 0.00	44.24 -0.90 0.00	44.05 -0.90 0.00	46.17 -0.90 0.00	49.12 -0.90 0.00	49.61 -0.96 0.00	45.95 -0.99 0.00	44.22 -0.99 0.00	42.79 -0.96 0.00	40.47 -0.79 0.00	39.24 -0.80 0.00	38.66 -0.79 0.00	37.77 -0.77 0.00	40.65 -0.74 0.00	47.04 -0.96 0.00	51.86 -1.01 0.00	56.17 -0.97 0.00	60.73 -0.99 0.00	54.05 -1.05 0.00	46.61 -0.95 0.00	43.89 -0.94 0.00

OSWEGO___6 23613	48.75 -0.95 0.00	46.90 -0.91 0.00	43.92 -0.90 0.00	43.22 -0.88 0.00	44.24 -0.90 0.00	44.05 -0.90 0.00	46.17 -0.90 0.00	49.12 -0.90 0.00	49.61 -0.96 0.00	45.95 -0.99 0.00	44.22 -0.99 0.00	42.79 -0.96 0.00	40.47 -0.79 0.00	39.24 -0.80 0.00	38.66 -0.79 0.00	37.77 -0.77 0.00	40.65 -0.74 0.00	47.04 -0.96 0.00	51.86 -1.01 0.00	56.17 -0.97 0.00	60.73 -0.99 0.00	54.05 -1.05 0.00	46.61 -0.95 0.00	43.89 -0.94 0.00
OUTOKUMPU-AB___DRP 24206	47.36 -2.34 0.00	45.47 -2.34 0.00	42.49 -2.33 0.00	41.64 -2.47 0.00	42.53 -2.62 0.00	42.12 -2.83 0.00	44.57 -2.49 0.00	47.22 -2.80 0.00	47.13 -3.44 0.00	43.56 -3.38 0.00	41.74 -3.48 0.00	40.78 -2.98 0.00	39.07 -2.19 0.00	37.51 -2.52 0.00	36.89 -2.56 0.00	36.66 -1.89 0.00	39.95 -1.45 0.00	44.98 -3.02 0.00	49.48 -3.38 0.00	53.77 -3.37 0.00	58.02 -3.70 0.00	51.74 -3.36 0.00	44.66 -2.90 0.00	41.65 -3.18 0.00
OXBOW___BTM 323836	46.86 -2.83 0.00	44.99 -2.82 0.00	42.04 -2.78 0.00	41.24 -2.87 0.00	42.12 -3.02 0.00	41.72 -3.24 0.00	44.05 -3.01 0.00	46.62 -3.40 0.00	46.52 -4.05 0.00	43.04 -3.90 0.00	41.24 -3.98 0.00	40.34 -3.41 0.00	38.78 -2.47 0.00	37.35 -2.68 0.00	37.24 -2.21 0.00	36.27 -2.27 0.00	39.37 -2.03 0.00	44.45 -3.55 0.00	48.84 -4.02 0.00	53.09 -4.06 0.00	57.28 -4.44 0.00	51.08 -4.02 0.00	44.14 -3.43 0.00	41.42 -3.41 0.00
OXBOW____ 24026	46.86 -2.83 0.00	44.99 -2.82 0.00	42.04 -2.78 0.00	41.24 -2.87 0.00	42.03 -3.12 0.00	41.63 -3.33 0.00	44.05 -3.01 0.00	46.62 -3.40 0.00	46.52 -4.05 0.00	43.04 -3.90 0.00	41.24 -3.98 0.00	40.30 -3.46 0.00	38.65 -2.60 0.00	37.11 -2.92 0.00	36.49 -2.96 0.00	36.27 -2.27 0.00	39.53 -1.86 0.00	44.45 -3.55 0.00	48.85 -4.02 0.00	53.09 -4.06 0.00	57.28 -4.44 0.00	51.08 -4.02 0.00	44.14 -3.42 0.00	41.15 -3.68 0.00
OXY_CHEM_DSASP 323612	46.46 -3.23 0.00	44.61 -3.20 0.00	41.72 -3.09 0.00	40.89 -3.22 0.00	41.63 -3.52 0.00	41.27 -3.69 0.00	43.63 -3.44 0.00	46.17 -3.85 0.00	46.07 -4.50 0.00	42.62 -4.32 0.00	40.83 -4.39 0.00	39.95 -3.81 0.00	38.32 -2.93 0.00	36.83 -3.20 0.00	36.18 -3.27 0.00	36.00 -2.54 0.00	39.20 -2.19 0.00	44.02 -3.98 0.00	48.32 -4.55 0.00	52.46 -4.69 0.00	56.60 -5.12 0.00	50.53 -4.57 0.00	43.66 -3.90 0.00	40.79 -4.03 0.00
OZONE_PARK_ESR 323760	52.72 3.03 0.00	50.68 2.87 0.00	47.42 2.60 0.00	46.71 2.60 0.00	47.76 2.62 0.00	47.65 2.70 0.00	50.17 3.11 0.00	53.52 3.50 0.00	54.27 3.69 0.00	50.62 3.61 0.00	48.75 3.53 0.00	47.17 3.41 0.00	44.43 3.18 0.00	43.08 3.04 0.00	42.57 3.12 0.00	41.63 3.08 0.00	44.59 3.19 0.00	52.01 3.94 0.00	56.94 4.07 0.00	61.94 4.80 0.00	66.78 5.06 0.00	59.01 3.91 0.00	51.04 3.47 0.00	48.06 3.23 0.00
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	46.46 -3.23 0.00	44.61 -3.20 0.00	41.72 -3.09 0.00	40.89 -3.22 0.00	41.63 -3.52 0.00	41.27 -3.69 0.00	43.63 -3.44 0.00	46.17 -3.85 0.00	46.07 -4.50 0.00	42.62 -4.32 0.00	40.83 -4.39 0.00	39.95 -3.81 0.00	38.32 -2.93 0.00	36.83 -3.20 0.00	36.18 -3.27 0.00	36.00 -2.54 0.00	39.20 -2.19 0.00	44.02 -3.98 0.00	48.32 -4.55 0.00	52.46 -4.69 0.00	56.60 -5.12 0.00	50.53 -4.57 0.00	43.66 -3.90 0.00	40.79 -4.03 0.00
PACKARD__115KV_DUPONT_184 80571	46.46 -3.23 0.00	44.61 -3.20 0.00	41.72 -3.09 0.00	40.89 -3.22 0.00	41.63 -3.52 0.00	41.27 -3.69 0.00	43.63 -3.44 0.00	46.17 -3.85 0.00	46.07 -4.50 0.00	42.62 -4.32 0.00	40.83 -4.39 0.00	39.95 -3.81 0.00	38.32 -2.93 0.00	36.83 -3.20 0.00	36.18 -3.27 0.00	36.00 -2.54 0.00	39.20 -2.19 0.00	44.02 -3.98 0.00	48.32 -4.55 0.00	52.46 -4.69 0.00	56.60 -5.12 0.00	50.53 -4.57 0.00	43.66 -3.90 0.00	40.79 -4.03 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	52.98 3.28 -0.01	50.83 3.01 -0.01	47.24 2.42 -0.01	46.54 2.43 -0.01	47.59 2.44 -0.01	47.43 2.47 -0.01	49.90 2.82 -0.01	53.53 3.50 -0.01	54.17 3.59 -0.01	50.36 3.33 -0.09	48.53 3.30 -0.01	46.91 3.15 -0.01	44.19 2.93 -0.01	42.89 2.84 -0.01	42.34 2.88 -0.01	41.40 2.85 -0.01	44.34 2.94 -0.01	52.11 3.74 -0.36	56.79 3.91 -0.01	61.84 4.69 -0.01	66.67 4.94 -0.01	58.91 3.80 -0.01	50.98 3.38 -0.04	48.03 3.18 -0.01
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	53.18 3.48 -0.01	51.07 3.25 -0.01	47.47 2.64 -0.01	46.76 2.65 -0.01	47.82 2.66 -0.01	47.70 2.74 -0.01	50.18 3.11 -0.01	53.78 3.75 -0.01	54.37 3.79 -0.01	50.55 3.52 -0.09	48.67 3.44 -0.01	47.05 3.28 -0.01	44.27 3.01 -0.01	42.97 2.92 -0.01	42.42 2.96 -0.01	41.48 2.93 -0.01	44.43 3.02 -0.01	52.25 3.89 -0.36	56.95 4.07 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.13 4.02 -0.01	51.12 3.52 -0.04	48.21 3.36 -0.01
PATROON__115KV_TB1 80586	50.54 0.84 0.00	48.58 0.76 0.00	45.53 0.72 0.00	44.85 0.75 0.00	45.91 0.77 0.00	45.76 0.81 0.00	48.01 0.94 0.00	51.02 1.00 0.00	51.63 1.06 0.00	48.06 1.13 0.00	46.26 1.04 0.00	44.72 0.96 0.00	42.04 0.78 0.00	40.92 0.88 0.00	40.44 0.99 0.00	39.43 0.89 0.00	42.27 0.87 0.00	49.11 1.10 0.00	54.19 1.32 0.00	58.74 1.60 0.00	63.33 1.60 0.00	56.15 1.05 0.00	48.56 1.00 0.00	45.77 0.94 0.00
PATTRSNVILLE___SOLAR 323815	51.53 1.84 0.00	49.53 1.72 0.00	46.38 1.57 0.00	45.69 1.59 0.00	46.77 1.62 0.00	46.62 1.66 0.00	48.81 1.74 0.00	51.82 1.80 0.00	52.34 1.77 0.00	48.48 1.55 0.00	46.62 1.40 0.00	45.03 1.27 0.00	42.37 1.11 0.00	41.12 1.08 0.00	40.52 1.07 0.00	39.54 1.00 0.00	42.56 1.16 0.00	49.64 1.63 0.00	55.03 2.17 0.00	59.89 2.74 0.00	64.62 2.90 0.00	57.31 2.21 0.00	49.47 1.90 0.00	46.58 1.75 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	47.65 -2.04 0.00	45.75 -2.06 0.00	42.75 -2.06 0.00	41.94 -2.16 0.00	42.93 -2.21 0.00	42.48 -2.47 0.00	45.04 -2.02 0.00	48.07 -1.95 0.00	47.99 -2.58 0.00	44.31 -2.63 0.00	42.50 -2.71 0.00	41.39 -2.36 0.00	39.65 -1.61 0.00	38.08 -1.96 0.00	37.44 -2.01 0.00	37.12 -1.43 0.00	40.45 -0.95 0.00	45.75 -2.26 0.00	50.27 -2.59 0.00	54.69 -2.46 0.00	59.01 -2.72 0.00	52.51 -2.59 0.00	45.28 -2.28 0.00	42.23 -2.60 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	52.27 2.58 0.00	50.20 2.39 0.00	47.06 2.24 0.00	46.31 2.21 0.00	47.45 2.30 0.00	47.24 2.29 0.00	49.61 2.54 0.00	52.87 2.85 0.00	53.60 3.03 0.00	49.75 2.82 0.00	48.07 2.85 0.00	46.43 2.67 0.00	43.69 2.43 0.00	42.44 2.40 0.00	41.90 2.45 0.00	40.97 2.43 0.00	43.92 2.53 0.00	51.22 3.22 0.00	56.25 3.38 0.00	61.26 4.11 0.00	65.98 4.26 0.00	58.30 3.20 0.00	50.42 2.85 0.00	47.43 2.60 0.00
PEEKSKILL____ 23653	51.93 2.24 0.00	49.91 2.10 0.00	46.70 1.88 0.00	46.04 1.94 0.00	47.00 1.85 0.00	46.88 1.93 0.00	49.33 2.26 0.00	52.62 2.60 0.00	53.30 2.73 0.00	49.56 2.63 0.00	47.84 2.62 0.00	46.29 2.54 0.00	43.56 2.31 0.00	42.28 2.24 0.00	41.70 2.25 0.00	40.90 2.35 0.00	43.84 2.44 0.00	50.98 2.98 0.00	55.93 3.06 0.00	60.80 3.66 0.00	65.55 3.83 0.00	57.96 2.86 0.00	50.13 2.57 0.00	47.20 2.37 0.00

PGE MADISON___WINDPWR 24146	53.52 3.83 0.00	51.54 3.73 0.00	48.22 3.40 0.00	47.37 3.26 0.00	48.62 3.48 0.00	48.33 3.37 0.00	50.93 3.86 0.00	54.27 4.25 0.00	54.31 3.74 0.00	49.94 3.01 0.00	47.84 2.62 0.00	45.86 2.10 0.00	43.36 2.10 0.00	41.72 1.68 0.00	40.99 1.54 0.00	40.20 1.66 0.00	43.63 2.23 0.00	50.88 2.88 0.00	56.51 3.64 0.00	62.23 5.08 0.00	67.52 5.80 0.00	59.56 4.46 0.00	51.03 3.47 0.00	47.92 3.09 0.00
PIERCEFIELD___HYD 23852	48.75 -0.94 0.00	46.95 -0.86 0.00	44.32 -0.49 0.00	43.66 -0.44 0.00	44.29 -0.86 0.00	44.14 -0.81 0.00	45.89 -1.18 0.00	48.57 -1.45 0.00	49.15 -1.42 0.00	45.48 -1.45 0.00	44.18 -1.04 0.00	42.84 -0.92 0.00	40.22 -1.03 0.00	38.92 -1.12 0.00	38.27 -1.18 0.00	37.27 -1.27 0.00	39.87 -1.53 0.00	46.13 -1.87 0.00	50.75 -2.11 0.00	54.86 -2.29 0.00	59.62 -2.10 0.00	53.78 -1.32 0.00	46.33 -1.24 0.00	44.07 -0.76 0.00
PINELAWN_CC_1 323563	51.48 1.79 0.00	49.29 1.48 0.00	46.29 1.48 0.00	45.74 1.63 0.00	46.28 1.13 0.00	46.26 1.30 0.00	48.53 1.46 0.00	51.77 1.75 0.00	52.23 1.67 0.00	49.23 2.30 0.00	47.29 2.08 0.00	45.77 2.01 0.00	43.40 2.14 0.00	42.08 2.04 0.00	41.82 2.37 0.00	41.05 2.50 0.00	43.92 2.53 0.00	50.59 2.59 0.00	55.61 2.75 0.00	60.51 3.37 0.00	65.18 3.45 0.00	57.52 2.42 0.00	49.80 2.24 0.00	46.80 1.97 0.00
PJM_GEN_HTP_PROXY 323702	52.32 2.63 0.00	50.30 2.48 0.00	47.01 2.20 0.00	46.35 2.25 0.00	47.27 2.12 0.00	47.20 2.25 0.00	49.75 2.68 0.00	53.07 3.05 0.00	53.81 3.24 0.00	50.18 3.19 -0.05	48.39 3.16 0.00	46.77 3.02 0.00	44.02 2.76 0.00	42.72 2.68 0.00	42.13 2.68 0.00	41.32 2.78 0.00	44.25 2.85 0.00	51.56 3.50 -0.05	56.47 3.60 0.00	61.37 4.23 0.00	66.17 4.45 0.00	58.46 3.36 0.00	50.61 3.05 0.00	47.61 2.78 0.00
PJM_GEN_KEystone 24065	49.54 -0.15 0.00	47.57 -0.24 0.00	44.55 -0.27 0.00	43.84 -0.26 0.00	44.78 -0.36 0.00	44.55 -0.41 0.00	47.02 -0.05 0.00	50.22 0.20 0.00	50.62 0.05 0.00	46.94 0.00 0.00	45.17 -0.05 0.00	43.80 0.04 0.00	41.58 0.33 0.00	40.20 0.16 0.00	39.73 0.28 0.00	38.89 0.35 0.00	41.90 0.50 0.00	48.58 0.29 -0.29	52.58 0.00 0.28	57.49 0.34 0.00	61.97 0.25 0.00	54.99 -0.11 0.00	47.52 -0.05 0.00	44.74 -0.09 0.00
PJM_GEN_NEPTUNE_PROXY 323594	51.23 1.54 0.00	49.10 1.29 0.00	46.07 1.25 0.00	45.52 1.41 0.00	46.05 0.90 0.00	46.08 1.12 0.00	48.34 1.27 0.00	51.57 1.55 0.00	52.13 1.57 0.00	49.18 2.25 0.00	47.20 1.99 0.00	45.64 1.88 0.00	43.19 1.94 0.00	41.96 1.92 0.00	41.62 2.17 0.00	40.86 2.31 0.00	43.63 2.23 0.00	50.40 2.40 0.00	55.24 2.38 0.00	60.11 2.97 0.00	64.69 2.96 0.00	57.14 2.04 0.00	49.47 1.90 0.00	46.53 1.70 0.00
PJM_GEN_VFT_PROXY 323633	52.22 2.53 0.00	50.20 2.39 0.00	46.92 2.11 0.00	46.27 2.16 0.00	47.18 2.03 0.00	47.11 2.16 0.00	49.65 2.59 0.00	53.02 3.00 0.00	53.76 3.19 0.00	50.20 3.19 -0.07	48.34 3.12 0.00	46.73 2.98 0.00	44.02 2.76 0.00	42.64 2.60 0.00	42.05 2.60 0.00	41.28 2.74 0.00	44.25 2.85 0.00	51.53 3.46 -0.07	56.30 3.43 0.00	61.20 4.06 0.00	65.98 4.26 0.00	58.35 3.25 0.00	50.56 3.00 0.00	47.61 2.78 0.00
PLATSBURG_115KV_PMLD1 355749	50.98 1.29 0.00	49.15 1.34 0.00	46.16 1.34 0.00	45.38 1.28 0.00	46.28 1.13 0.00	46.08 1.12 0.00	48.01 0.94 0.00	50.92 0.90 0.00	51.53 0.96 0.00	47.73 0.80 0.00	46.03 0.81 0.00	44.68 0.92 0.00	41.96 0.70 0.00	40.64 0.60 0.00	39.92 0.47 0.00	38.89 0.35 0.00	41.65 0.25 0.00	48.43 0.43 0.00	53.23 0.37 0.00	57.49 0.34 0.00	62.40 0.68 0.00	56.15 1.05 0.00	48.23 0.67 0.00	45.55 0.72 0.00
PLEASANTVLY___LBMP 24000	51.53 1.84 0.00	49.53 1.72 0.00	46.38 1.57 0.00	45.69 1.59 0.00	46.77 1.63 0.00	46.62 1.66 0.00	48.95 1.88 0.00	52.12 2.10 0.00	52.84 2.28 0.00	49.19 2.25 0.00	47.48 2.26 0.00	45.94 2.19 0.00	43.19 1.94 0.00	42.00 1.96 0.00	41.46 2.01 0.00	40.51 1.97 0.00	43.38 1.99 0.00	50.50 2.50 0.00	55.40 2.54 0.00	60.17 3.03 0.00	64.87 3.15 0.00	57.47 2.37 0.00	49.70 2.14 0.00	46.85 2.02 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	51.98 2.29 0.00	49.96 2.15 0.00	46.79 1.97 0.00	46.09 1.98 0.00	47.13 1.99 0.00	47.02 2.07 0.00	49.42 2.35 0.00	52.62 2.60 0.00	53.35 2.78 0.00	49.65 2.72 0.00	47.93 2.71 0.00	46.38 2.63 0.00	43.65 2.39 0.00	42.40 2.36 0.00	41.86 2.41 0.00	40.93 2.39 0.00	43.84 2.44 0.00	51.02 3.02 0.00	55.98 3.12 0.00	60.86 3.71 0.00	65.61 3.89 0.00	58.02 2.92 0.00	50.18 2.62 0.00	47.30 2.47 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	51.98 2.29 0.00	49.96 2.15 0.00	46.79 1.97 0.00	46.09 1.98 0.00	47.13 1.99 0.00	47.02 2.07 0.00	49.42 2.35 0.00	52.62 2.60 0.00	53.35 2.78 0.00	49.65 2.72 0.00	47.93 2.71 0.00	46.38 2.63 0.00	43.65 2.39 0.00	42.40 2.36 0.00	41.86 2.41 0.00	40.93 2.39 0.00	43.84 2.44 0.00	51.02 3.02 0.00	55.98 3.12 0.00	60.86 3.71 0.00	65.61 3.89 0.00	58.02 2.92 0.00	50.18 2.62 0.00	47.30 2.47 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	51.73 2.04 0.00	49.72 1.91 0.00	46.56 1.75 0.00	45.91 1.81 0.00	46.95 1.81 0.00	46.80 1.84 0.00	49.14 2.07 0.00	52.32 2.30 0.00	53.05 2.48 0.00	49.38 2.44 0.00	47.52 2.31 0.00	45.99 2.23 0.00	43.23 1.98 0.00	42.00 1.96 0.00	41.42 1.97 0.00	40.47 1.93 0.00	43.43 2.03 0.00	50.64 2.64 0.00	55.61 2.75 0.00	60.52 3.37 0.00	65.18 3.46 0.00	57.69 2.59 0.00	49.89 2.33 0.00	47.03 2.20 0.00
POLETTI___ 23519	52.37 2.68 0.00	50.34 2.53 0.00	47.10 2.29 0.00	46.44 2.34 0.00	47.45 2.30 0.00	47.33 2.38 0.00	49.84 2.78 0.00	53.17 3.15 0.00	53.91 3.34 0.00	50.29 3.29 -0.07	48.48 3.26 0.00	46.86 3.11 0.00	44.14 2.89 0.00	42.84 2.80 0.00	42.29 2.84 0.00	41.40 2.85 0.00	44.30 2.90 0.00	51.67 3.60 -0.07	56.57 3.70 0.00	61.49 4.34 0.00	66.23 4.51 0.00	58.57 3.47 0.00	50.70 3.14 0.00	47.79 2.96 0.00
POMONA___ESR 323819	51.63 1.94 0.00	49.63 1.82 0.00	46.48 1.66 0.00	45.82 1.72 0.00	46.77 1.62 0.00	46.66 1.71 0.00	49.09 2.02 0.00	52.37 2.35 0.00	53.10 2.53 0.00	49.37 2.44 0.00	47.66 2.44 0.00	46.07 2.32 0.00	43.36 2.10 0.00	42.08 2.04 0.00	41.46 2.01 0.00	40.62 2.08 0.00	43.59 2.19 0.00	50.69 2.69 0.00	55.56 2.69 0.00	60.40 3.26 0.00	65.18 3.45 0.00	57.64 2.54 0.00	49.85 2.28 0.00	46.98 2.15 0.00
PORT_JEFF_3 23555	51.53 1.84 0.00	49.34 1.53 0.00	46.34 1.52 0.00	45.78 1.68 0.00	46.32 1.17 0.00	46.30 1.35 0.00	48.57 1.51 0.00	51.87 1.85 0.00	52.18 1.62 0.00	49.23 2.30 0.00	47.34 2.13 0.00	45.81 2.06 0.00	43.40 2.14 0.00	42.12 2.08 0.00	41.86 2.41 0.00	41.13 2.58 0.00	44.05 2.65 0.00	50.68 2.69 0.00	55.77 2.91 0.00	60.63 3.49 0.00	65.24 3.52 0.00	57.64 2.54 0.00	49.89 2.33 0.00	46.89 2.06 0.00

PORT_JEFF_4 23616	51.53 1.84 0.00	49.34 1.53 0.00	46.34 1.52 0.00	45.78 1.68 0.00	46.32 1.17 0.00	46.30 1.35 0.00	48.57 1.51 0.00	51.87 1.85 0.00	52.18 1.62 0.00	49.23 2.30 0.00	47.34 2.13 0.00	45.81 2.06 0.00	43.40 2.14 0.00	42.12 2.08 0.00	41.86 2.41 0.00	41.13 2.58 0.00	44.05 2.65 0.00	50.68 2.69 0.00	55.77 2.91 0.00	60.63 3.49 0.00	65.24 3.52 0.00	57.64 2.54 0.00	49.89 2.33 0.00	46.89 2.06 0.00
PORT_JEFF_IC 23713	51.53 1.84 0.00	49.39 1.58 0.00	46.43 1.61 0.00	45.78 1.68 0.00	46.68 1.53 0.00	46.53 1.57 0.00	48.57 1.51 0.00	51.87 1.85 0.00	52.23 1.67 0.00	49.23 2.30 0.00	47.34 2.13 0.00	45.94 2.19 0.00	43.48 2.23 0.00	42.24 2.20 0.00	41.97 2.52 0.00	41.13 2.58 0.00	44.01 2.61 0.00	50.73 2.74 0.00	55.82 2.96 0.00	60.69 3.54 0.00	65.30 3.58 0.00	57.63 2.53 0.00	49.94 2.38 0.00	47.43 2.60 0.00
PPL_PILGRIM_ST_GT1 24216	51.63 1.94 0.00	49.39 1.58 0.00	46.48 1.66 0.00	45.91 1.81 0.00	46.46 1.31 0.00	46.43 1.48 0.00	48.67 1.60 0.00	51.92 1.90 0.00	52.33 1.77 0.00	49.32 2.39 0.00	47.47 2.26 0.00	45.94 2.19 0.00	43.56 2.31 0.00	42.24 2.20 0.00	41.98 2.53 0.00	41.24 2.70 0.00	44.17 2.77 0.00	50.73 2.73 0.00	55.82 2.96 0.00	60.69 3.54 0.00	65.30 3.58 0.00	57.69 2.59 0.00	49.94 2.38 0.00	46.98 2.15 0.00
PPL_PILGRIM_ST_GT2 24217	51.63 1.94 0.00	49.39 1.58 0.00	46.48 1.66 0.00	45.91 1.81 0.00	46.46 1.31 0.00	46.43 1.48 0.00	48.67 1.60 0.00	51.92 1.90 0.00	52.33 1.77 0.00	49.32 2.39 0.00	47.47 2.26 0.00	45.94 2.19 0.00	43.56 2.31 0.00	42.24 2.20 0.00	41.98 2.53 0.00	41.24 2.70 0.00	44.17 2.77 0.00	50.73 2.73 0.00	55.82 2.96 0.00	60.69 3.54 0.00	65.30 3.58 0.00	57.69 2.59 0.00	49.94 2.38 0.00	46.98 2.15 0.00
PPL_SHRM_GT3 24213	51.58 1.89 0.00	49.39 1.58 0.00	46.38 1.57 0.00	45.78 1.68 0.00	46.37 1.22 0.00	46.30 1.35 0.00	48.62 1.55 0.00	51.92 1.90 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.25 2.04 0.00	45.73 1.97 0.00	43.32 2.06 0.00	42.00 1.96 0.00	41.74 2.29 0.00	41.01 2.47 0.00	44.01 2.61 0.00	50.68 2.69 0.00	55.87 3.01 0.00	60.80 3.66 0.00	65.43 3.70 0.00	57.74 2.64 0.00	49.99 2.42 0.00	46.94 2.11 0.00
PPL_SHRM_GT4 24214	51.58 1.89 0.00	49.39 1.58 0.00	46.38 1.57 0.00	45.78 1.68 0.00	46.37 1.22 0.00	46.30 1.35 0.00	48.62 1.55 0.00	51.92 1.90 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.25 2.04 0.00	45.73 1.97 0.00	43.32 2.06 0.00	42.00 1.96 0.00	41.74 2.29 0.00	41.01 2.47 0.00	44.01 2.61 0.00	50.68 2.69 0.00	55.87 3.01 0.00	60.80 3.66 0.00	65.43 3.70 0.00	57.74 2.64 0.00	49.99 2.42 0.00	46.94 2.11 0.00
PROJECT___ORANGE 1 24174	49.29 -0.40 0.00	47.48 -0.33 0.00	44.46 -0.36 0.00	43.71 -0.40 0.00	44.79 -0.36 0.00	44.59 -0.36 0.00	46.74 -0.33 0.00	49.77 -0.25 0.00	50.22 -0.35 0.00	46.51 -0.42 0.00	44.72 -0.50 0.00	43.27 -0.48 0.00	40.97 -0.29 0.00	39.72 -0.32 0.00	39.06 -0.39 0.00	38.27 -0.27 0.00	41.23 -0.17 0.00	47.67 -0.34 0.00	52.55 -0.32 0.00	56.97 -0.17 0.00	61.60 -0.12 0.00	54.77 -0.33 0.00	47.18 -0.38 0.00	44.34 -0.49 0.00
PROJECT___ORANGE 2 24166	49.29 -0.40 0.00	47.48 -0.33 0.00	44.46 -0.36 0.00	43.71 -0.40 0.00	44.79 -0.36 0.00	44.59 -0.36 0.00	46.74 -0.33 0.00	49.77 -0.25 0.00	50.22 -0.35 0.00	46.51 -0.42 0.00	44.72 -0.50 0.00	43.27 -0.48 0.00	40.97 -0.29 0.00	39.72 -0.32 0.00	39.06 -0.39 0.00	38.27 -0.27 0.00	41.23 -0.17 0.00	47.67 -0.34 0.00	52.55 -0.32 0.00	56.97 -0.17 0.00	61.60 -0.12 0.00	54.77 -0.33 0.00	47.18 -0.38 0.00	44.34 -0.49 0.00
PUCKETT___SOLAR 323809	50.59 0.90 0.00	48.67 0.86 0.00	45.53 0.71 0.00	44.81 0.70 0.00	45.91 0.77 0.00	45.72 0.76 0.00	48.06 0.99 0.00	51.22 1.20 0.00	51.53 0.96 0.00	47.50 0.57 0.00	45.62 0.41 0.00	44.06 0.31 0.00	41.75 0.50 0.00	40.36 0.32 0.00	39.76 0.31 0.00	38.93 0.39 0.00	42.10 0.70 0.00	48.77 0.77 0.00	53.82 0.95 0.00	58.63 1.48 0.00	63.45 1.73 0.00	56.26 1.16 0.00	48.37 0.81 0.00	45.50 0.67 0.00
PYRITES___HYD 24023	49.79 0.10 0.00	48.00 0.19 0.00	45.31 0.49 0.00	44.59 0.49 0.00	45.24 0.09 0.00	45.09 0.13 0.00	46.88 -0.19 0.00	49.57 -0.45 0.00	50.06 -0.51 0.00	46.23 -0.70 0.00	44.86 -0.36 0.00	43.49 -0.26 0.00	40.80 -0.45 0.00	39.48 -0.56 0.00	38.78 -0.67 0.00	37.81 -0.73 0.00	40.53 -0.87 0.00	46.95 -1.06 0.00	51.75 -1.11 0.00	56.12 -1.03 0.00	61.04 -0.68 0.00	55.04 -0.06 0.00	47.33 -0.24 0.00	45.01 0.18 0.00
QUAKERRD_115KV_BK1 80622	47.80 -1.89 0.00	45.95 -1.86 0.00	42.98 -1.84 0.00	42.25 -1.85 0.00	43.25 -1.90 0.00	43.02 -1.93 0.00	45.14 -1.93 0.00	47.97 -2.05 0.00	48.29 -2.28 0.00	44.68 -2.25 0.00	42.82 -2.40 0.00	41.57 -2.19 0.00	39.44 -1.82 0.00	38.12 -1.92 0.00	37.44 -2.01 0.00	36.89 -1.66 0.00	39.95 -1.45 0.00	45.84 -2.16 0.00	50.64 -2.22 0.00	54.86 -2.29 0.00	59.32 -2.41 0.00	52.79 -2.31 0.00	45.52 -2.05 0.00	42.59 -2.24 0.00
QUEENSBRY_115KV_TB8 356137	52.62 2.93 0.00	50.58 2.77 0.00	47.24 2.42 0.00	46.53 2.43 0.00	47.72 2.57 0.00	47.56 2.61 0.00	49.70 2.64 0.00	52.77 2.75 0.00	53.40 2.83 0.00	49.56 2.63 0.00	47.70 2.49 0.00	46.08 2.32 0.00	43.15 1.90 0.00	41.84 1.80 0.00	41.30 1.85 0.00	40.20 1.66 0.00	43.30 1.90 0.00	50.59 2.59 0.00	56.20 3.33 0.00	61.37 4.23 0.00	66.17 4.44 0.00	58.41 3.31 0.00	50.37 2.81 0.00	47.52 2.69 0.00
RAMAPO___LBMP 323565	51.43 1.74 0.00	49.44 1.63 0.00	46.30 1.48 0.00	45.60 1.50 0.00	46.68 1.53 0.00	46.53 1.57 0.00	48.90 1.84 0.00	52.17 2.15 0.00	52.90 2.33 0.00	49.19 2.25 0.00	47.48 2.26 0.00	45.90 2.14 0.00	43.23 1.98 0.00	41.96 1.92 0.00	41.42 1.97 0.00	40.47 1.93 0.00	43.38 1.99 0.00	50.50 2.50 0.00	55.35 2.48 0.00	60.17 3.03 0.00	64.87 3.15 0.00	57.41 2.31 0.00	49.61 2.05 0.00	46.85 2.02 0.00
RANKINE____ 23646	47.70 -1.99 0.00	45.80 -2.01 0.00	42.80 -2.02 0.00	41.94 -2.16 0.00	42.93 -2.21 0.00	42.48 -2.47 0.00	45.00 -2.07 0.00	47.82 -2.20 0.00	47.74 -2.83 0.00	44.12 -2.82 0.00	42.28 -2.94 0.00	41.22 -2.54 0.00	39.52 -1.73 0.00	37.95 -2.08 0.00	37.32 -2.13 0.00	37.04 -1.50 0.00	40.36 -1.03 0.00	45.55 -2.45 0.00	50.06 -2.80 0.00	54.46 -2.69 0.00	58.76 -2.96 0.00	52.34 -2.76 0.00	45.19 -2.38 0.00	42.14 -2.69 0.00
RAVENSWOOD_GT2_1 24244	52.37 2.68 0.00	50.34 2.53 0.00	47.10 2.29 0.00	46.44 2.34 0.00	47.45 2.30 0.00	47.33 2.38 0.00	49.84 2.78 0.00	53.12 3.10 0.00	53.86 3.29 -0.01	50.26 3.24 -0.08	48.43 3.21 -0.01	46.86 3.11 0.00	44.10 2.85 0.00	42.80 2.76 0.00	42.29 2.84 0.00	41.36 2.81 0.00	44.30 2.90 0.00	51.64 3.55 -0.08	56.52 3.65 -0.01	61.43 4.29 0.00	66.23 4.51 0.00	58.57 3.47 0.00	50.65 3.09 0.00	47.74 2.91 0.00

RAVENSWOOD_GT2_2 24245	52.37 2.68 0.00	50.34 2.53 0.00	47.10 2.29 0.00	46.44 2.34 0.00	47.45 2.30 0.00	47.33 2.38 0.00	49.84 2.78 0.00	53.12 3.10 0.00	53.86 3.29 -0.01	50.26 3.24 -0.08	48.43 3.21 -0.01	46.86 3.11 0.00	44.10 2.85 0.00	42.80 2.76 0.00	42.29 2.84 0.00	41.36 2.81 0.00	44.30 2.90 0.00	51.64 3.55 -0.08	56.52 3.65 -0.01	61.43 4.29 0.00	66.23 4.51 0.00	58.57 3.47 0.00	50.65 3.09 0.00	47.74 2.91 0.00
RAVENSWOOD_GT2_3 24246	52.37 2.68 0.00	50.34 2.53 0.00	47.15 2.33 0.00	46.44 2.34 0.00	47.49 2.35 0.00	47.38 2.43 0.00	49.84 2.78 0.00	53.17 3.15 0.00	53.86 3.29 -0.01	50.30 3.29 -0.08	48.43 3.21 -0.01	46.86 3.11 0.00	44.14 2.89 0.00	42.84 2.80 0.00	42.29 2.84 0.00	41.40 2.85 0.00	44.30 2.90 0.00	51.69 3.60 -0.08	56.57 3.70 -0.01	61.49 4.34 0.00	66.23 4.51 0.00	58.57 3.47 0.00	50.70 3.14 0.00	47.79 2.96 0.00
RAVENSWOOD_GT2_4 24247	52.37 2.68 0.00	50.34 2.53 0.00	47.15 2.33 0.00	46.44 2.34 0.00	47.49 2.35 0.00	47.38 2.43 0.00	49.84 2.78 0.00	53.17 3.15 0.00	53.86 3.29 -0.01	50.30 3.29 -0.08	48.43 3.21 -0.01	46.86 3.11 0.00	44.14 2.89 0.00	42.84 2.80 0.00	42.29 2.84 0.00	41.40 2.85 0.00	44.30 2.90 0.00	51.69 3.60 -0.08	56.57 3.70 -0.01	61.49 4.34 0.00	66.23 4.51 0.00	58.57 3.47 0.00	50.70 3.14 0.00	47.79 2.96 0.00
RAVENSWOOD_GT3_1 24248	52.37 2.68 0.00	50.34 2.53 0.00	47.10 2.29 0.00	46.44 2.34 0.00	47.49 2.35 0.00	47.33 2.38 0.00	49.84 2.78 0.00	53.12 3.10 0.00	53.86 3.29 -0.01	50.30 3.29 -0.08	48.43 3.21 -0.01	46.86 3.11 0.00	44.10 2.85 0.00	42.80 2.76 0.00	42.29 2.84 0.00	41.36 2.81 0.00	44.30 2.90 0.00	51.64 3.55 -0.08	56.52 3.65 -0.01	61.43 4.29 0.00	66.23 4.51 0.00	58.57 3.47 0.00	50.65 3.09 0.00	47.74 2.91 0.00
RAVENSWOOD_GT3_2 24249	52.37 2.68 0.00	50.34 2.53 0.00	47.10 2.29 0.00	46.44 2.34 0.00	47.49 2.35 0.00	47.33 2.38 0.00	49.84 2.78 0.00	53.12 3.10 0.00	53.86 3.29 -0.01	50.30 3.29 -0.08	48.43 3.21 -0.01	46.86 3.11 0.00	44.10 2.85 0.00	42.80 2.76 0.00	42.29 2.84 0.00	41.36 2.81 0.00	44.30 2.90 0.00	51.64 3.55 -0.08	56.52 3.65 -0.01	61.43 4.29 0.00	66.23 4.51 0.00	58.57 3.47 0.00	50.65 3.09 0.00	47.74 2.91 0.00
RAVENSWOOD_GT3_3 24250	52.42 2.73 0.00	50.39 2.58 0.00	47.15 2.33 0.00	46.49 2.38 0.00	47.54 2.39 0.00	47.38 2.43 0.00	49.89 2.82 0.00	53.22 3.20 0.00	53.91 3.34 -0.01	50.35 3.33 -0.08	48.48 3.26 -0.01	46.91 3.15 0.00	44.18 2.93 0.00	42.88 2.84 0.00	42.33 2.88 0.00	41.40 2.85 0.00	44.34 2.94 0.00	51.69 3.60 -0.08	56.57 3.70 -0.01	61.54 4.40 0.00	66.29 4.57 0.00	58.63 3.53 0.00	50.75 3.19 0.00	47.79 2.96 0.00
RAVENSWOOD_GT3_4 24251	52.42 2.73 0.00	50.39 2.58 0.00	47.15 2.33 0.00	46.49 2.38 0.00	47.54 2.39 0.00	47.38 2.43 0.00	49.89 2.82 0.00	53.22 3.20 0.00	53.91 3.34 -0.01	50.35 3.33 -0.08	48.48 3.26 -0.01	46.91 3.15 0.00	44.18 2.93 0.00	42.88 2.84 0.00	42.33 2.88 0.00	41.40 2.85 0.00	44.34 2.94 0.00	51.69 3.60 -0.08	56.57 3.70 -0.01	61.54 4.40 0.00	66.29 4.57 0.00	58.63 3.53 0.00	50.75 3.19 0.00	47.79 2.96 0.00
RAVENSWOOD_GT_1 23729	52.68 2.98 -0.01	50.64 2.82 -0.01	47.69 2.55 -0.32	47.13 2.60 -0.42	48.10 2.57 -0.38	48.00 2.65 -0.39	50.25 3.06 -0.13	53.43 3.40 -0.01	54.17 3.59 -0.01	51.47 3.52 -1.02	50.20 3.44 -1.55	48.12 3.33 -1.04	46.05 3.09 -1.71	44.80 3.00 -1.76	44.40 3.04 -1.91	43.70 3.01 -2.15	45.99 3.10 -1.49	52.52 3.84 -0.68	56.84 3.96 -0.01	61.78 4.63 -0.01	66.61 4.88 -0.01	58.91 3.80 -0.01	51.02 3.38 -0.08	48.05 3.18 -0.04
RAVENSWOOD_GT_10 24258	52.37 2.68 0.00	50.34 2.53 0.00	47.10 2.29 0.00	46.44 2.34 0.00	47.45 2.30 0.00	47.33 2.38 0.00	49.84 2.78 0.00	53.12 3.10 0.00	53.86 3.29 -0.01	50.32 3.24 -0.15	48.57 3.21 -0.14	46.87 3.06 -0.05	44.18 2.85 -0.08	42.89 2.76 -0.09	42.38 2.84 -0.09	41.46 2.81 -0.11	44.37 2.90 -0.07	51.67 3.55 -0.11	56.52 3.65 -0.01	61.43 4.29 0.00	66.23 4.51 0.00	58.57 3.47 0.00	50.66 3.09 0.00	47.74 2.91 0.00
RAVENSWOOD_GT_11 24259	52.37 2.68 0.00	50.34 2.53 0.00	47.10 2.29 0.00	46.44 2.34 0.00	47.45 2.30 0.00	47.33 2.38 0.00	49.84 2.78 0.00	53.12 3.10 0.00	53.86 3.29 -0.01	50.32 3.24 -0.15	48.57 3.21 -0.14	46.87 3.06 -0.05	44.18 2.85 -0.08	42.89 2.76 -0.09	42.38 2.84 -0.09	41.46 2.81 -0.11	44.37 2.90 -0.07	51.67 3.55 -0.11	56.52 3.65 -0.01	61.43 4.29 0.00	66.23 4.51 0.00	58.57 3.47 0.00	50.66 3.09 0.00	47.74 2.91 0.00
RAVENSWOOD_GT_4 24252	52.32 2.63 0.01	50.29 2.49 0.01	47.29 2.24 -0.23	46.71 2.29 -0.31	47.68 2.26 -0.27	47.58 2.34 -0.29	49.85 2.73 -0.05	53.06 3.05 0.01	53.82 3.24 -0.01	50.92 3.19 -0.79	49.56 3.17 -1.18	47.61 3.06 -0.79	45.36 2.81 -1.30	44.10 2.72 -1.34	43.71 2.80 -1.46	42.96 2.78 -1.64	45.39 2.86 -1.13	52.05 3.50 -0.54	56.47 3.59 -0.01	61.38 4.23 -0.01	66.17 4.44 -0.01	58.52 3.42 -0.01	50.67 3.04 -0.06	47.73 2.87 -0.03
RAVENSWOOD_GT_5 24254	52.32 2.63 0.01	50.29 2.49 0.01	47.29 2.24 -0.23	46.71 2.29 -0.31	47.68 2.26 -0.27	47.58 2.34 -0.29	49.85 2.73 -0.05	53.06 3.05 0.01	53.82 3.24 -0.01	50.92 3.19 -0.79	49.56 3.17 -1.18	47.61 3.06 -0.79	45.36 2.81 -1.30	44.10 2.72 -1.34	43.71 2.80 -1.46	42.96 2.78 -1.64	45.39 2.86 -1.13	52.05 3.50 -0.54	56.47 3.59 -0.01	61.38 4.23 -0.01	66.17 4.44 -0.01	58.52 3.42 -0.01	50.67 3.04 -0.06	47.73 2.87 -0.03
RAVENSWOOD_GT_6 24253	52.32 2.63 0.01	50.29 2.49 0.01	47.29 2.24 -0.23	46.71 2.29 -0.31	47.68 2.26 -0.27	47.58 2.34 -0.29	49.85 2.73 -0.05	53.06 3.05 0.01	53.82 3.24 -0.01	50.92 3.19 -0.79	49.56 3.17 -1.18	47.61 3.06 -0.79	45.36 2.81 -1.30	44.10 2.72 -1.34	43.71 2.80 -1.46	42.96 2.78 -1.64	45.39 2.86 -1.13	52.05 3.50 -0.54	56.47 3.59 -0.01	61.38 4.23 -0.01	66.17 4.44 -0.01	58.52 3.42 -0.01	50.67 3.04 -0.06	47.73 2.87 -0.03
RAVENSWOOD_GT_7 24255	52.32 2.63 0.01	50.29 2.49 0.01	47.29 2.24 -0.23	46.71 2.29 -0.31	47.68 2.26 -0.27	47.58 2.34 -0.29	49.85 2.73 -0.05	53.06 3.05 0.01	53.82 3.24 -0.01	50.92 3.19 -0.79	49.56 3.17 -1.18	47.61 3.06 -0.79	45.36 2.81 -1.30	44.10 2.72 -1.34	43.71 2.80 -1.46	42.96 2.78 -1.64	45.39 2.86 -1.13	52.05 3.50 -0.54	56.47 3.59 -0.01	61.38 4.23 -0.01	66.17 4.44 -0.01	58.52 3.42 -0.01	50.67 3.04 -0.06	47.73 2.87 -0.03
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	52.37 2.68 0.00	50.34 2.53 0.00	47.10 2.29 0.00	46.44 2.34 0.00	47.45 2.30 0.00	47.33 2.38 0.00	49.84 2.78 0.00	53.12 3.10 0.00	53.86 3.29 -0.01	50.32 3.24 -0.15	48.57 3.21 -0.14	46.87 3.06 -0.05	44.18 2.85 -0.08	42.89 2.76 -0.09	42.38 2.84 -0.09	41.46 2.81 -0.11	44.37 2.90 -0.07	51.67 3.55 -0.11	56.52 3.65 -0.01	61.43 4.29 0.00	66.23 4.51 0.00	58.57 3.47 0.00	50.66 3.09 0.00	47.74 2.91 0.00

RAVENSWOOD_GT_9 24257	52.37 2.68 0.00	50.34 2.53 0.00	47.10 2.29 0.00	46.44 2.34 0.00	47.45 2.30 0.00	47.33 2.38 0.00	49.84 2.78 0.00	53.12 3.10 0.00	53.86 3.29 -0.01	50.32 3.24 -0.15	48.57 3.21 -0.14	46.87 3.06 -0.05	44.18 2.85 -0.08	42.89 2.76 -0.09	42.38 2.84 -0.09	41.46 2.81 -0.11	44.37 2.90 -0.07	51.67 3.55 -0.11	56.52 3.65 -0.01	61.43 4.29 0.00	66.23 4.51 0.00	58.57 3.47 0.00	50.66 3.09 0.00	47.74 2.91 0.00
RAVENSWOOD___1 23533	52.63 2.93 -0.01	50.59 2.77 -0.01	47.33 2.51 -0.01	46.67 2.56 -0.01	47.59 2.44 -0.01	47.52 2.56 -0.01	50.11 3.01 -0.03	53.43 3.40 -0.01	54.12 3.54 -0.01	51.12 3.47 -0.71	50.02 3.43 -1.37	47.55 3.28 -0.51	45.15 3.05 -0.84	43.87 2.96 -0.87	43.35 2.96 -0.94	42.61 3.01 -1.06	45.27 3.14 -0.73	52.20 3.84 -0.36	56.84 3.97 -0.01	61.78 4.63 -0.01	66.55 4.82 -0.01	58.86 3.75 -0.01	50.98 3.38 -0.04	47.93 3.09 -0.01
RAVENSWOOD___2 23534	52.63 2.93 -0.01	50.59 2.77 -0.01	47.33 2.51 -0.01	46.67 2.56 -0.01	47.59 2.44 -0.01	47.52 2.56 -0.01	50.11 3.01 -0.03	53.38 3.35 -0.01	54.02 3.44 -0.01	51.07 3.42 -0.71	49.93 3.35 -1.37	47.51 3.24 -0.51	45.07 2.97 -0.84	43.79 2.88 -0.87	43.28 2.88 -0.95	42.58 2.97 -1.07	45.20 3.06 -0.74	52.11 3.75 -0.36	56.73 3.86 -0.01	61.61 4.46 -0.01	66.42 4.69 -0.01	58.74 3.64 -0.01	50.88 3.28 -0.04	47.85 3.00 -0.01
RAVENSWOOD___3 23535	52.37 2.68 0.00	50.34 2.53 0.00	47.10 2.28 0.00	46.44 2.34 0.00	47.36 2.21 0.00	47.29 2.34 0.00	49.84 2.78 0.00	53.12 3.10 0.00	53.86 3.29 -0.01	50.30 3.28 -0.08	48.43 3.21 -0.01	46.82 3.06 0.00	44.10 2.84 0.00	42.80 2.76 0.00	42.21 2.76 0.00	41.36 2.81 0.00	44.34 2.94 0.00	51.64 3.55 -0.08	56.52 3.64 -0.01	61.43 4.29 0.00	66.23 4.50 0.00	58.57 3.47 0.00	50.70 3.14 0.00	47.70 2.87 0.00
RAVENSWOOD___4 23820	52.63 2.93 -0.01	50.59 2.77 -0.01	47.02 2.51 0.30	46.26 2.56 0.40	47.23 2.44 0.35	47.10 2.52 0.37	50.02 3.01 0.06	53.38 3.35 -0.01	54.12 3.54 -0.01	50.82 3.47 -0.41	49.84 3.43 -1.19	47.03 3.28 0.01	44.30 3.05 0.01	42.99 2.96 0.01	42.40 2.96 0.01	41.54 3.01 0.01	44.53 3.14 0.01	51.84 3.79 -0.04	56.79 3.91 -0.01	61.73 4.57 -0.01	66.55 4.82 -0.01	58.86 3.75 -0.01	50.93 3.38 0.01	47.91 3.09 0.01
RCPL_TRUST___DRP 24196	52.67 2.98 0.00	50.63 2.82 0.00	47.24 2.42 0.00	46.58 2.47 0.00	47.58 2.44 0.00	47.47 2.52 0.00	49.99 2.92 0.00	53.47 3.45 0.00	54.21 3.64 0.00	50.60 3.61 -0.05	48.70 3.48 0.00	47.08 3.33 0.00	44.31 3.05 0.00	43.00 2.96 0.00	42.45 3.00 0.00	41.51 2.97 0.00	44.46 3.06 0.00	51.94 3.89 -0.05	56.89 4.02 0.00	61.83 4.69 0.00	66.66 4.94 0.00	58.90 3.80 0.00	50.94 3.38 0.00	48.01 3.18 0.00
RED___ROCHESTER 323720	48.85 -0.85 0.00	46.90 -0.91 0.00	43.87 -0.94 0.00	43.09 -1.01 0.00	44.11 -1.04 0.00	43.83 -1.12 0.00	46.08 -0.99 0.00	48.97 -1.05 0.00	49.21 -1.36 0.00	45.53 -1.41 0.00	43.59 -1.63 0.00	42.40 -1.36 0.00	40.31 -0.95 0.00	38.92 -1.12 0.00	38.54 -0.91 0.00	37.66 -0.88 0.00	40.73 -0.66 0.00	46.75 -1.25 0.00	51.65 -1.21 0.00	56.06 -1.09 0.00	60.61 -1.11 0.00	53.94 -1.16 0.00	46.52 -1.05 0.00	43.57 -1.25 0.00
REGAN___SOLAR 323812	53.27 3.58 0.00	51.21 3.39 0.00	47.95 3.14 0.00	47.19 3.09 0.00	48.35 3.21 0.00	48.19 3.24 0.00	50.41 3.34 0.00	53.47 3.45 0.00	53.85 3.29 0.00	49.66 2.72 0.00	47.70 2.49 0.00	45.99 2.23 0.00	43.23 1.98 0.00	41.88 1.84 0.00	41.34 1.89 0.00	40.20 1.66 0.00	43.34 1.95 0.00	50.88 2.88 0.00	56.83 3.97 0.00	62.23 5.08 0.00	67.16 5.43 0.00	59.34 4.24 0.00	51.13 3.57 0.00	48.06 3.23 0.00
RENSSELAER___COGEN 23796	50.29 0.60 0.00	48.39 0.58 0.00	45.31 0.49 0.00	44.64 0.53 0.00	45.69 0.54 0.00	45.53 0.58 0.00	47.82 0.75 0.00	50.82 0.80 0.00	51.43 0.86 0.00	47.87 0.94 0.00	46.03 0.81 0.00	44.54 0.79 0.00	41.87 0.62 0.00	40.76 0.72 0.00	40.20 0.75 0.00	39.31 0.77 0.00	42.10 0.70 0.00	48.91 0.91 0.00	53.98 1.11 0.00	58.46 1.32 0.00	63.02 1.30 0.00	55.93 0.83 0.00	48.32 0.76 0.00	45.54 0.72 0.00
REPUBLIC_115KV_BARTNBRK 55605	54.16 4.47 0.00	52.07 4.26 0.00	48.63 3.81 0.00	47.94 3.84 0.00	49.12 3.97 0.00	49.04 4.09 0.00	51.16 4.09 0.00	54.22 4.20 0.00	54.72 4.15 0.00	50.64 3.71 0.00	48.74 3.53 0.00	47.04 3.28 0.00	43.94 2.68 0.00	42.56 2.52 0.00	42.01 2.56 0.00	40.78 2.24 0.00	44.09 2.69 0.00	51.75 3.74 0.00	57.83 4.97 0.00	63.49 6.34 0.00	68.51 6.79 0.00	60.06 4.96 0.00	51.75 4.19 0.00	48.82 3.99 0.00
REVERE_CPWR_DRP 24186	51.13 1.44 0.00	49.20 1.39 0.00	46.07 1.25 0.00	45.34 1.23 0.00	46.50 1.35 0.00	46.26 1.30 0.00	48.48 1.41 0.00	51.62 1.60 0.00	51.99 1.42 0.00	48.11 1.17 0.00	46.26 1.04 0.00	44.59 0.83 0.00	42.08 0.83 0.00	40.60 0.56 0.00	39.92 0.47 0.00	39.12 0.58 0.00	42.18 0.79 0.00	49.06 1.06 0.00	54.24 1.37 0.00	59.20 2.06 0.00	64.07 2.35 0.00	56.81 1.71 0.00	48.80 1.24 0.00	45.91 1.08 0.00
REYNOLDS_115KV_TB3 80639	50.78 1.09 0.00	48.86 1.05 0.00	45.76 0.94 0.00	45.08 0.97 0.00	46.18 1.04 0.00	46.03 1.08 0.00	48.24 1.18 0.00	51.27 1.25 0.00	51.88 1.31 0.00	48.34 1.41 0.00	46.57 1.36 0.00	45.03 1.27 0.00	42.33 1.07 0.00	41.20 1.16 0.00	40.71 1.26 0.00	39.70 1.16 0.00	42.52 1.12 0.00	49.39 1.39 0.00	54.50 1.64 0.00	59.03 1.89 0.00	63.57 1.85 0.00	56.48 1.38 0.00	48.85 1.28 0.00	46.04 1.21 0.00
RIVERBAY____ 323610	53.18 3.48 -0.01	51.07 3.25 -0.01	47.47 2.64 -0.01	46.76 2.65 -0.01	47.82 2.66 -0.01	47.70 2.74 -0.01	50.18 3.11 -0.01	53.78 3.75 -0.01	54.37 3.79 -0.01	50.55 3.52 -0.09	48.67 3.44 -0.01	47.05 3.28 -0.01	44.27 3.01 -0.01	42.97 2.92 -0.01	42.42 2.96 -0.01	41.48 2.93 -0.01	44.43 3.02 -0.01	52.25 3.89 -0.36	56.95 4.07 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.13 4.02 -0.01	51.12 3.52 -0.04	48.21 3.36 -0.01
RIVERSIDE_115KV_TB3 55908	50.59 0.89 0.00	48.62 0.81 0.00	45.58 0.76 0.00	44.85 0.75 0.00	45.96 0.81 0.00	45.81 0.85 0.00	48.06 0.99 0.00	51.07 1.05 0.00	51.68 1.11 0.00	48.11 1.17 0.00	46.30 1.09 0.00	44.81 1.05 0.00	42.12 0.87 0.00	41.00 0.96 0.00	40.52 1.07 0.00	39.51 0.96 0.00	42.35 0.95 0.00	49.15 1.15 0.00	54.24 1.37 0.00	58.80 1.66 0.00	63.33 1.60 0.00	56.20 1.10 0.00	48.61 1.05 0.00	45.82 0.99 0.00
ROARING___BROOK_WT_PWR 323790	49.49 -0.20 0.00	47.62 -0.19 0.00	44.68 -0.13 0.00	43.93 -0.18 0.00	44.92 -0.22 0.00	44.68 -0.27 0.00	46.64 -0.42 0.00	49.52 -0.50 0.00	50.06 -0.51 0.00	46.47 -0.47 0.00	44.81 -0.41 0.00	43.36 -0.39 0.00	40.80 -0.45 0.00	39.60 -0.44 0.00	38.98 -0.47 0.00	38.08 -0.46 0.00	40.86 -0.54 0.00	47.48 -0.53 0.00	52.34 -0.53 0.00	56.46 -0.68 0.00	60.99 -0.74 0.00	54.60 -0.50 0.00	47.09 -0.48 0.00	44.43 -0.40 0.00

ROCHESRG_115KV_T4 355643	48.40 -1.29 0.00	46.52 -1.29 0.00	43.52 -1.30 0.00	42.74 -1.37 0.00	43.75 -1.40 0.00	43.47 -1.48 0.00	45.70 -1.36 0.00	48.52 -1.50 0.00	48.80 -1.77 0.00	45.10 -1.83 0.00	43.23 -1.99 0.00	42.05 -1.71 0.00	39.93 -1.32 0.00	38.56 -1.48 0.00	37.91 -1.54 0.00	37.39 -1.16 0.00	40.53 -0.87 0.00	46.37 -1.63 0.00	51.17 -1.69 0.00	55.49 -1.66 0.00	59.93 -1.79 0.00	53.39 -1.71 0.00	46.04 -1.52 0.00	43.08 -1.75 0.00
ROCHESTER_9_IC 23652	48.65 -1.04 0.00	46.71 -1.10 0.00	43.70 -1.12 0.00	42.91 -1.19 0.00	43.93 -1.22 0.00	43.69 -1.26 0.00	45.89 -1.18 0.00	48.77 -1.25 0.00	49.00 -1.57 0.00	45.34 -1.60 0.00	43.41 -1.81 0.00	42.22 -1.53 0.00	40.10 -1.16 0.00	38.68 -1.36 0.00	38.03 -1.42 0.00	37.54 -1.00 0.00	40.69 -0.70 0.00	46.56 -1.44 0.00	51.44 -1.43 0.00	55.77 -1.37 0.00	60.30 -1.42 0.00	53.67 -1.43 0.00	46.28 -1.28 0.00	43.26 -1.57 0.00
ROCKVIEW_13_KV_LD 356306	52.23 2.53 0.00	50.20 2.39 0.00	47.01 2.20 0.00	46.35 2.25 0.00	47.36 2.21 0.00	47.24 2.29 0.00	49.70 2.64 0.00	52.97 2.95 0.00	53.70 3.14 0.00	49.99 3.05 0.00	48.25 3.03 0.00	46.69 2.93 0.00	43.94 2.68 0.00	42.68 2.64 0.00	42.13 2.68 0.00	41.20 2.66 0.00	44.13 2.73 0.00	51.36 3.36 0.00	56.35 3.49 0.00	61.26 4.11 0.00	66.04 4.32 0.00	58.41 3.31 0.00	50.51 2.95 0.00	47.56 2.73 0.00
ROME____115KV_TB2 80656	51.13 1.44 0.00	49.20 1.39 0.00	46.07 1.25 0.00	45.34 1.23 0.00	46.50 1.35 0.00	46.26 1.30 0.00	48.48 1.41 0.00	51.62 1.60 0.00	51.99 1.42 0.00	48.11 1.17 0.00	46.26 1.04 0.00	44.59 0.83 0.00	42.08 0.83 0.00	40.60 0.56 0.00	39.92 0.47 0.00	39.12 0.58 0.00	42.18 0.79 0.00	49.06 1.06 0.00	54.24 1.37 0.00	59.20 2.06 0.00	64.07 2.35 0.00	56.81 1.71 0.00	48.80 1.24 0.00	45.91 1.08 0.00
ROSETON___1 23587	51.43 1.74 0.00	49.44 1.63 0.00	46.29 1.48 0.00	45.61 1.50 0.00	46.59 1.44 0.00	46.48 1.53 0.00	48.90 1.83 0.00	52.07 2.05 0.00	52.74 2.17 0.00	49.10 2.16 0.00	47.39 2.17 0.00	45.81 2.06 0.00	43.11 1.86 0.00	41.88 1.84 0.00	41.27 1.82 0.00	40.43 1.89 0.00	43.34 1.95 0.00	50.40 2.40 0.00	55.30 2.43 0.00	60.06 2.91 0.00	64.75 3.02 0.00	57.36 2.26 0.00	49.61 2.04 0.00	46.71 1.88 0.00
ROSETON___2 23588	51.43 1.74 0.00	49.44 1.63 0.00	46.29 1.48 0.00	45.61 1.50 0.00	46.59 1.44 0.00	46.48 1.53 0.00	48.90 1.83 0.00	52.07 2.05 0.00	52.74 2.17 0.00	49.10 2.16 0.00	47.39 2.17 0.00	45.81 2.06 0.00	43.11 1.86 0.00	41.88 1.84 0.00	41.27 1.82 0.00	40.43 1.89 0.00	43.34 1.95 0.00	50.40 2.40 0.00	55.30 2.43 0.00	60.06 2.91 0.00	64.75 3.02 0.00	57.36 2.26 0.00	49.61 2.04 0.00	46.71 1.88 0.00
ROTRRDAM_115KV_TB3 80664	51.03 1.34 0.00	49.10 1.29 0.00	45.98 1.17 0.00	45.25 1.15 0.00	46.37 1.22 0.00	46.21 1.26 0.00	48.38 1.32 0.00	51.37 1.35 0.00	51.99 1.42 0.00	48.25 1.31 0.00	46.48 1.27 0.00	44.94 1.18 0.00	42.29 1.03 0.00	41.08 1.04 0.00	40.52 1.07 0.00	39.55 1.00 0.00	42.47 1.08 0.00	49.39 1.39 0.00	54.56 1.69 0.00	59.20 2.06 0.00	63.88 2.16 0.00	56.70 1.60 0.00	48.99 1.43 0.00	46.17 1.34 0.00
RUSSELL___1 23602	48.85 -0.84 0.00	46.90 -0.91 0.00	43.87 -0.94 0.00	43.09 -1.01 0.00	44.11 -1.04 0.00	43.83 -1.12 0.00	46.08 -0.99 0.00	48.97 -1.05 0.00	49.20 -1.37 0.00	45.53 -1.41 0.00	43.59 -1.63 0.00	42.36 -1.40 0.00	40.22 -1.03 0.00	38.84 -1.20 0.00	38.19 -1.26 0.00	37.66 -0.89 0.00	40.82 -0.58 0.00	46.75 -1.25 0.00	51.65 -1.22 0.00	56.06 -1.09 0.00	60.61 -1.11 0.00	53.94 -1.16 0.00	46.52 -1.05 0.00	43.44 -1.39 0.00
RUSSELL___2 23532	48.85 -0.84 0.00	46.90 -0.91 0.00	43.87 -0.94 0.00	43.09 -1.01 0.00	44.11 -1.04 0.00	43.83 -1.12 0.00	46.08 -0.99 0.00	48.97 -1.05 0.00	49.20 -1.37 0.00	45.53 -1.41 0.00	43.59 -1.63 0.00	42.36 -1.40 0.00	40.22 -1.03 0.00	38.84 -1.20 0.00	38.19 -1.26 0.00	37.66 -0.89 0.00	40.82 -0.58 0.00	46.75 -1.25 0.00	51.65 -1.22 0.00	56.06 -1.09 0.00	60.61 -1.11 0.00	53.94 -1.16 0.00	46.52 -1.05 0.00	43.44 -1.39 0.00
RUSSELL___3 23549	48.85 -0.84 0.00	46.90 -0.91 0.00	43.87 -0.94 0.00	43.09 -1.01 0.00	44.11 -1.04 0.00	43.83 -1.12 0.00	46.08 -0.99 0.00	48.97 -1.05 0.00	49.20 -1.37 0.00	45.53 -1.41 0.00	43.59 -1.63 0.00	42.36 -1.40 0.00	40.22 -1.03 0.00	38.84 -1.20 0.00	38.19 -1.26 0.00	37.66 -0.89 0.00	40.82 -0.58 0.00	46.75 -1.25 0.00	51.65 -1.22 0.00	56.06 -1.09 0.00	60.61 -1.11 0.00	53.94 -1.16 0.00	46.52 -1.05 0.00	43.44 -1.39 0.00
RUSSELL___4 23556	48.85 -0.84 0.00	46.90 -0.91 0.00	43.87 -0.94 0.00	43.09 -1.01 0.00	44.11 -1.04 0.00	43.83 -1.12 0.00	46.08 -0.99 0.00	48.97 -1.05 0.00	49.20 -1.37 0.00	45.53 -1.41 0.00	43.59 -1.63 0.00	42.36 -1.40 0.00	40.22 -1.03 0.00	38.84 -1.20 0.00	38.19 -1.26 0.00	37.66 -0.89 0.00	40.82 -0.58 0.00	46.75 -1.25 0.00	51.65 -1.22 0.00	56.06 -1.09 0.00	60.61 -1.11 0.00	53.94 -1.16 0.00	46.52 -1.05 0.00	43.44 -1.39 0.00
RUSSELL___STATION 23914	48.85 -0.84 0.00	46.90 -0.91 0.00	43.87 -0.94 0.00	43.09 -1.01 0.00	44.11 -1.04 0.00	43.83 -1.12 0.00	46.08 -0.99 0.00	48.97 -1.05 0.00	49.20 -1.37 0.00	45.53 -1.41 0.00	43.59 -1.63 0.00	42.36 -1.40 0.00	40.22 -1.03 0.00	38.84 -1.20 0.00	38.19 -1.26 0.00	37.66 -0.89 0.00	40.82 -0.58 0.00	46.75 -1.25 0.00	51.65 -1.22 0.00	56.06 -1.09 0.00	60.61 -1.11 0.00	53.94 -1.16 0.00	46.52 -1.05 0.00	43.44 -1.39 0.00
S SALMON___HYD 24043	49.24 -0.45 0.00	47.43 -0.38 0.00	44.41 -0.40 0.00	43.71 -0.40 0.00	44.78 -0.36 0.00	44.50 -0.45 0.00	46.55 -0.52 0.00	49.52 -0.50 0.00	49.86 -0.71 0.00	46.23 -0.70 0.00	44.49 -0.73 0.00	42.92 -0.83 0.00	40.55 -0.70 0.00	39.24 -0.80 0.00	38.54 -0.91 0.00	37.70 -0.85 0.00	40.57 -0.83 0.00	47.09 -0.91 0.00	52.12 -0.74 0.00	56.75 -0.40 0.00	61.48 -0.25 0.00	54.66 -0.44 0.00	47.09 -0.48 0.00	44.25 -0.58 0.00
S.PERRY___115KV_TB1 80734	50.09 0.40 0.00	48.15 0.33 0.00	45.00 0.18 0.00	44.19 0.09 0.00	45.24 0.09 0.00	44.95 0.00 0.00	47.30 0.24 0.00	50.22 0.20 0.00	50.01 -0.56 0.00	45.86 -1.08 0.00	43.68 -1.54 0.00	42.31 -1.44 0.00	40.31 -0.95 0.00	38.84 -1.20 0.00	38.31 -1.14 0.00	37.85 -0.69 0.00	41.27 -0.12 0.00	47.33 -0.67 0.00	52.71 -0.16 0.00	57.60 0.46 0.00	62.53 0.80 0.00	55.49 0.39 0.00	47.75 0.19 0.00	44.47 -0.36 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	47.26 -2.43 0.00	45.37 -2.44 0.00	42.40 -2.42 0.00	41.59 -2.51 0.00	42.53 -2.62 0.00	42.12 -2.83 0.00	44.57 -2.49 0.00	47.27 -2.75 0.00	47.18 -3.39 0.00	43.60 -3.33 0.00	41.78 -3.44 0.00	40.82 -2.93 0.00	39.11 -2.15 0.00	37.59 -2.44 0.00	36.96 -2.49 0.00	36.73 -1.81 0.00	39.99 -1.41 0.00	45.07 -2.93 0.00	49.53 -3.33 0.00	53.83 -3.31 0.00	58.08 -3.64 0.00	51.79 -3.31 0.00	44.71 -2.85 0.00	41.69 -3.14 0.00

SAWYER___23_KV_LOAD 55526	47.26 -2.43 0.00	45.37 -2.44 0.00	42.40 -2.42 0.00	41.59 -2.51 0.00	42.53 -2.62 0.00	42.12 -2.83 0.00	44.57 -2.49 0.00	47.27 -2.75 0.00	47.18 -3.39 0.00	43.60 -3.33 0.00	41.78 -3.44 0.00	40.82 -2.93 0.00	39.11 -2.15 0.00	37.59 -2.44 0.00	36.96 -2.49 0.00	36.73 -1.81 0.00	39.99 -1.41 0.00	45.07 -2.93 0.00	49.53 -3.33 0.00	53.83 -3.31 0.00	58.08 -3.64 0.00	51.79 -3.31 0.00	44.71 -2.85 0.00	41.69 -3.14 0.00
SELKIRK___I 23801	50.68 0.99 0.00	48.77 0.96 0.00	45.71 0.90 0.00	45.03 0.93 0.00	46.05 0.90 0.00	45.90 0.95 0.00	48.10 1.03 0.00	51.07 1.05 0.00	51.63 1.06 0.00	47.97 1.03 0.00	46.17 0.95 0.00	44.63 0.87 0.00	41.91 0.66 0.00	40.80 0.76 0.00	40.24 0.79 0.00	39.31 0.77 0.00	42.18 0.78 0.00	49.06 1.05 0.00	54.19 1.32 0.00	58.74 1.60 0.00	63.33 1.60 0.00	56.26 1.16 0.00	48.66 1.09 0.00	45.86 1.03 0.00
SELKIRK___II 23799	50.44 0.75 0.00	48.53 0.72 0.00	45.44 0.63 0.00	44.77 0.66 0.00	45.82 0.68 0.00	45.67 0.72 0.00	47.92 0.85 0.00	50.92 0.90 0.00	51.53 0.96 0.00	47.92 0.99 0.00	46.12 0.90 0.00	44.63 0.87 0.00	41.95 0.70 0.00	40.84 0.80 0.00	40.28 0.83 0.00	39.35 0.81 0.00	42.18 0.78 0.00	49.01 1.01 0.00	54.03 1.16 0.00	58.57 1.43 0.00	63.14 1.42 0.00	56.09 0.99 0.00	48.46 0.90 0.00	45.68 0.85 0.00
SENECA OSWGO___HYD 24041	48.80 -0.89 0.00	47.00 -0.81 0.00	44.01 -0.81 0.00	43.27 -0.84 0.00	44.34 -0.81 0.00	44.14 -0.81 0.00	46.27 -0.80 0.00	49.22 -0.80 0.00	49.71 -0.86 0.00	46.04 -0.89 0.00	44.27 -0.95 0.00	42.79 -0.96 0.00	40.51 -0.74 0.00	39.27 -0.76 0.00	38.66 -0.79 0.00	37.77 -0.77 0.00	40.69 -0.70 0.00	47.09 -0.91 0.00	51.97 -0.90 0.00	56.34 -0.80 0.00	60.92 -0.80 0.00	54.16 -0.94 0.00	46.71 -0.85 0.00	43.89 -0.94 0.00
SENECA___115KV_TB3 355854	47.80 -1.89 0.00	45.85 -1.96 0.00	42.84 -1.97 0.00	42.03 -2.07 0.00	42.98 -2.17 0.00	42.57 -2.38 0.00	45.09 -1.98 0.00	47.92 -2.10 0.00	47.79 -2.78 0.00	44.17 -2.77 0.00	42.37 -2.85 0.00	41.31 -2.45 0.00	39.56 -1.69 0.00	38.00 -2.04 0.00	37.36 -2.09 0.00	37.08 -1.46 0.00	40.40 -0.99 0.00	45.60 -2.40 0.00	50.17 -2.70 0.00	54.57 -2.57 0.00	58.88 -2.84 0.00	52.46 -2.64 0.00	45.28 -2.28 0.00	42.23 -2.60 0.00
SENECA___ENERGY 23797	49.29 -0.40 0.00	47.43 -0.38 0.00	44.41 -0.40 0.00	43.66 -0.44 0.00	44.70 -0.45 0.00	44.50 -0.45 0.00	46.74 -0.33 0.00	49.77 -0.25 0.00	50.16 -0.41 0.00	46.32 -0.61 0.00	44.40 -0.81 0.00	42.97 -0.79 0.00	40.76 -0.49 0.00	39.44 -0.60 0.00	38.94 -0.51 0.00	38.04 -0.50 0.00	41.15 -0.25 0.00	47.57 -0.43 0.00	52.39 -0.48 0.00	56.92 -0.23 0.00	61.54 -0.18 0.00	54.60 -0.50 0.00	47.13 -0.43 0.00	44.25 -0.58 0.00
SHOEMAKER___GT 23640	51.13 1.44 0.00	49.15 1.34 0.00	46.03 1.21 0.00	45.34 1.23 0.00	46.32 1.17 0.00	46.21 1.26 0.00	48.57 1.51 0.00	51.67 1.65 0.00	52.34 1.77 0.00	48.67 1.74 0.00	46.89 1.67 0.00	45.33 1.57 0.00	42.70 1.44 0.00	41.44 1.40 0.00	40.83 1.38 0.00	39.97 1.43 0.00	42.93 1.53 0.00	49.92 1.92 0.00	54.82 1.96 0.00	59.60 2.46 0.00	64.25 2.53 0.00	56.92 1.82 0.00	49.18 1.62 0.00	46.40 1.57 0.00
SHOEMAKR_138KV_BK 111 55601	51.13 1.44 0.00	49.15 1.34 0.00	46.03 1.21 0.00	45.34 1.23 0.00	46.41 1.26 0.00	46.26 1.30 0.00	48.57 1.51 0.00	51.72 1.70 0.00	52.34 1.77 0.00	48.67 1.74 0.00	46.94 1.72 0.00	45.38 1.62 0.00	42.74 1.49 0.00	41.52 1.48 0.00	40.95 1.50 0.00	40.01 1.46 0.00	42.93 1.53 0.00	49.92 1.92 0.00	54.82 1.96 0.00	59.60 2.46 0.00	64.25 2.53 0.00	56.97 1.87 0.00	49.23 1.66 0.00	46.44 1.61 0.00
SHOREHAM_IC_1 23715	51.58 1.89 0.00	49.39 1.58 0.00	46.38 1.57 0.00	45.78 1.68 0.00	46.37 1.22 0.00	46.30 1.35 0.00	48.62 1.55 0.00	51.92 1.90 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.25 2.04 0.00	45.73 1.97 0.00	43.32 2.06 0.00	42.00 1.96 0.00	41.74 2.29 0.00	41.01 2.47 0.00	44.01 2.61 0.00	50.68 2.69 0.00	55.87 3.01 0.00	60.80 3.66 0.00	65.43 3.70 0.00	57.74 2.64 0.00	49.99 2.42 0.00	46.94 2.11 0.00
SHOREHAM_IC_2 23716	51.58 1.89 0.00	49.39 1.58 0.00	46.38 1.57 0.00	45.78 1.68 0.00	46.37 1.22 0.00	46.30 1.35 0.00	48.62 1.55 0.00	51.92 1.90 0.00	52.18 1.62 0.00	49.18 2.25 0.00	47.25 2.04 0.00	45.73 1.97 0.00	43.32 2.06 0.00	42.00 1.96 0.00	41.74 2.29 0.00	41.01 2.47 0.00	44.01 2.61 0.00	50.68 2.69 0.00	55.87 3.01 0.00	60.80 3.66 0.00	65.43 3.70 0.00	57.74 2.64 0.00	49.99 2.42 0.00	46.94 2.11 0.00
SISSONVILLE____ 23735	48.75 -0.94 0.00	46.95 -0.86 0.00	44.32 -0.49 0.00	43.66 -0.44 0.00	44.29 -0.86 0.00	44.14 -0.81 0.00	45.89 -1.18 0.00	48.57 -1.45 0.00	49.15 -1.42 0.00	45.48 -1.45 0.00	44.18 -1.04 0.00	42.84 -0.92 0.00	40.22 -1.03 0.00	38.92 -1.12 0.00	38.27 -1.18 0.00	37.27 -1.27 0.00	39.87 -1.53 0.00	46.13 -1.87 0.00	50.75 -2.11 0.00	54.86 -2.29 0.00	59.62 -2.10 0.00	53.78 -1.32 0.00	46.33 -1.24 0.00	44.07 -0.76 0.00
SITHE_IND_GS1 24169	48.45 -1.24 0.00	46.66 -1.15 0.00	43.70 -1.12 0.00	42.96 -1.15 0.00	44.02 -1.13 0.00	43.83 -1.12 0.00	45.94 -1.13 0.00	48.82 -1.20 0.00	49.31 -1.26 0.00	45.71 -1.22 0.00	44.00 -1.22 0.00	42.58 -1.18 0.00	40.22 -1.03 0.00	39.04 -1.00 0.00	38.47 -0.98 0.00	37.58 -0.96 0.00	40.45 -0.95 0.00	46.80 -1.20 0.00	51.60 -1.27 0.00	55.89 -1.26 0.00	60.37 -1.36 0.00	53.78 -1.32 0.00	46.38 -1.19 0.00	43.62 -1.21 0.00
SITHE_IND_GS2 24170	48.45 -1.24 0.00	46.66 -1.15 0.00	43.70 -1.12 0.00	42.96 -1.15 0.00	44.02 -1.13 0.00	43.83 -1.12 0.00	45.94 -1.13 0.00	48.82 -1.20 0.00	49.31 -1.26 0.00	45.71 -1.22 0.00	44.00 -1.22 0.00	42.58 -1.18 0.00	40.22 -1.03 0.00	39.04 -1.00 0.00	38.47 -0.98 0.00	37.58 -0.96 0.00	40.45 -0.95 0.00	46.80 -1.20 0.00	51.60 -1.27 0.00	55.89 -1.26 0.00	60.37 -1.36 0.00	53.78 -1.32 0.00	46.38 -1.19 0.00	43.62 -1.21 0.00
SITHE_IND_GS3 24171	48.45 -1.24 0.00	46.66 -1.15 0.00	43.70 -1.12 0.00	42.96 -1.15 0.00	44.02 -1.13 0.00	43.83 -1.12 0.00	45.94 -1.13 0.00	48.82 -1.20 0.00	49.31 -1.26 0.00	45.71 -1.22 0.00	44.00 -1.22 0.00	42.58 -1.18 0.00	40.22 -1.03 0.00	39.04 -1.00 0.00	38.47 -0.98 0.00	37.58 -0.96 0.00	40.45 -0.95 0.00	46.80 -1.20 0.00	51.60 -1.27 0.00	55.89 -1.26 0.00	60.37 -1.36 0.00	53.78 -1.32 0.00	46.38 -1.19 0.00	43.62 -1.21 0.00
SITHE_IND_GS4 24172	48.45 -1.24 0.00	46.66 -1.15 0.00	43.70 -1.12 0.00	42.96 -1.15 0.00	44.02 -1.13 0.00	43.83 -1.12 0.00	45.94 -1.13 0.00	48.82 -1.20 0.00	49.31 -1.26 0.00	45.71 -1.22 0.00	44.00 -1.22 0.00	42.58 -1.18 0.00	40.22 -1.03 0.00	39.04 -1.00 0.00	38.47 -0.98 0.00	37.58 -0.96 0.00	40.45 -0.95 0.00	46.80 -1.20 0.00	51.60 -1.27 0.00	55.89 -1.26 0.00	60.37 -1.36 0.00	53.78 -1.32 0.00	46.38 -1.19 0.00	43.62 -1.21 0.00

SITHE____BATAVIA 24024	48.30 -1.39 0.00	46.33 -1.48 0.00	43.34 -1.48 0.00	42.52 -1.59 0.00	43.48 -1.67 0.00	43.11 -1.84 0.00	45.47 -1.60 0.00	48.27 -1.75 0.00	48.24 -2.33 0.00	44.49 -2.44 0.00	42.51 -2.71 0.00	41.48 -2.28 0.00	39.64 -1.61 0.00	38.20 -1.84 0.00	37.99 -1.46 0.00	37.04 -1.50 0.00	40.28 -1.12 0.00	45.84 -2.16 0.00	50.70 -2.17 0.00	55.14 -2.00 0.00	59.56 -2.16 0.00	53.06 -2.04 0.00	45.80 -1.76 0.00	42.81 -2.02 0.00
SITHE____INDEPEND 23800	48.45 -1.24 0.00	46.66 -1.15 0.00	43.70 -1.12 0.00	42.96 -1.15 0.00	44.02 -1.13 0.00	43.83 -1.12 0.00	45.94 -1.13 0.00	48.82 -1.20 0.00	49.30 -1.26 0.00	45.71 -1.22 0.00	44.00 -1.22 0.00	42.57 -1.18 0.00	40.22 -1.03 0.00	39.00 -1.04 0.00	38.38 -1.07 0.00	37.58 -0.96 0.00	40.45 -0.95 0.00	46.80 -1.20 0.00	51.60 -1.27 0.00	55.89 -1.26 0.00	60.37 -1.36 0.00	53.78 -1.32 0.00	46.37 -1.19 0.00	43.62 -1.21 0.00
SITHE____MASSENA 23902	49.74 0.05 0.00	47.95 0.14 0.00	45.26 0.45 0.00	44.50 0.40 0.00	45.55 0.41 0.00	45.31 0.36 0.00	46.88 -0.19 0.00	49.67 -0.35 0.00	50.27 -0.30 0.00	46.56 -0.38 0.00	45.17 -0.05 0.00	43.84 0.09 0.00	41.21 -0.04 0.00	39.96 -0.08 0.00	39.29 -0.16 0.00	38.31 -0.23 0.00	40.98 -0.41 0.00	47.33 -0.67 0.00	52.02 -0.85 0.00	56.06 -1.09 0.00	60.86 -0.86 0.00	54.88 -0.22 0.00	47.37 -0.19 0.00	45.01 0.18 0.00
SITHE____OGDNSBRG 24021	50.04 0.35 0.00	48.24 0.43 0.00	45.49 0.67 0.00	44.77 0.66 0.00	45.46 0.32 0.00	45.31 0.36 0.00	47.11 0.05 0.00	49.82 -0.20 0.00	50.27 -0.30 0.00	46.47 -0.47 0.00	45.08 -0.14 0.00	43.71 -0.04 0.00	41.01 -0.25 0.00	39.68 -0.36 0.00	39.02 -0.43 0.00	38.04 -0.50 0.00	40.78 -0.62 0.00	47.23 -0.77 0.00	52.07 -0.79 0.00	56.34 -0.80 0.00	61.29 -0.43 0.00	55.27 0.17 0.00	47.56 0.00 0.00	45.23 0.40 0.00
SITHE____STERLING 23777	50.78 1.09 0.00	48.86 1.05 0.00	45.76 0.94 0.00	45.03 0.93 0.00	46.14 0.99 0.00	45.94 0.99 0.00	48.19 1.13 0.00	51.27 1.25 0.00	51.68 1.11 0.00	47.82 0.89 0.00	46.03 0.81 0.00	44.37 0.61 0.00	41.91 0.66 0.00	40.52 0.48 0.00	39.88 0.43 0.00	39.01 0.46 0.00	42.06 0.66 0.00	48.87 0.86 0.00	53.98 1.11 0.00	58.80 1.66 0.00	63.64 1.92 0.00	56.42 1.32 0.00	48.56 1.00 0.00	45.68 0.85 0.00
SLEIGHT__34_KV_TB1 80719	48.80 -0.89 0.00	46.95 -0.86 0.00	43.92 -0.90 0.00	43.13 -0.97 0.00	44.20 -0.95 0.00	44.01 -0.94 0.00	46.17 -0.89 0.00	49.12 -0.90 0.00	49.51 -1.06 0.00	45.76 -1.17 0.00	43.82 -1.40 0.00	42.49 -1.27 0.00	40.31 -0.95 0.00	38.96 -1.08 0.00	38.27 -1.18 0.00	37.66 -0.89 0.00	40.78 -0.62 0.00	46.90 -1.10 0.00	51.81 -1.06 0.00	56.17 -0.97 0.00	60.80 -0.93 0.00	54.00 -1.10 0.00	46.52 -1.05 0.00	43.53 -1.30 0.00
SOUTH CAIRO____GT 23612	51.73 2.04 0.00	49.68 1.86 0.00	46.52 1.70 0.00	45.83 1.72 0.00	46.91 1.76 0.00	46.84 1.89 0.00	49.00 1.93 0.00	51.92 1.90 0.00	52.54 1.97 0.00	48.62 1.69 0.00	46.48 1.27 0.00	44.85 1.09 0.00	42.04 0.78 0.00	40.84 0.80 0.00	40.32 0.87 0.00	39.31 0.77 0.00	42.35 0.95 0.00	49.68 1.68 0.00	55.14 2.27 0.00	60.12 2.97 0.00	64.93 3.21 0.00	57.36 2.26 0.00	49.47 1.90 0.00	46.58 1.75 0.00
SOUTH HAMPTN____IC 23720	51.73 2.04 0.00	49.48 1.67 0.00	46.48 1.66 0.00	45.87 1.77 0.00	46.46 1.31 0.00	46.39 1.44 0.00	48.76 1.69 0.00	52.07 2.05 0.00	52.28 1.72 0.00	49.32 2.39 0.00	47.20 1.99 0.00	45.77 2.01 0.00	43.32 2.06 0.00	41.96 1.92 0.00	41.74 2.29 0.00	40.97 2.43 0.00	44.01 2.61 0.00	50.68 2.69 0.00	56.03 3.17 0.00	60.97 3.83 0.00	65.68 3.95 0.00	57.91 2.81 0.00	50.04 2.47 0.00	47.11 2.29 0.00
SOUTHDOW_115KV_TB1 355954	49.49 -0.20 0.00	47.48 -0.33 0.00	44.37 -0.45 0.00	43.49 -0.62 0.00	44.47 -0.68 0.00	43.87 -1.08 0.00	46.69 -0.38 0.00	50.02 0.00 0.00	49.96 -0.61 0.00	46.14 -0.80 0.00	44.31 -0.90 0.00	43.01 -0.74 0.00	41.17 -0.08 0.00	39.48 -0.56 0.00	38.78 -0.67 0.00	38.39 -0.15 0.00	41.85 0.46 0.00	47.47 -0.53 0.00	52.23 -0.63 0.00	56.92 -0.23 0.00	61.48 -0.25 0.00	54.60 -0.50 0.00	47.04 -0.52 0.00	43.80 -1.03 0.00
SOUTHOLD_69_KV_BK 2 55809	51.68 1.99 0.00	49.48 1.67 0.00	46.43 1.61 0.00	45.74 1.63 0.00	46.68 1.53 0.00	46.48 1.53 0.00	48.71 1.65 0.00	52.07 2.05 0.00	52.18 1.62 0.00	49.23 2.30 0.00	46.89 1.67 0.00	45.64 1.88 0.00	43.11 1.86 0.00	41.76 1.72 0.00	41.54 2.09 0.00	40.70 2.16 0.00	43.76 2.36 0.00	50.54 2.54 0.00	55.98 3.12 0.00	61.09 3.94 0.00	65.86 4.14 0.00	57.91 2.81 0.00	50.04 2.47 0.00	47.70 2.87 0.00
SOUTHOLD____IC 23719	51.68 1.99 0.00	49.44 1.63 0.00	46.34 1.52 0.00	45.74 1.63 0.00	46.37 1.22 0.00	46.30 1.35 0.00	48.71 1.65 0.00	52.07 2.05 0.00	52.18 1.62 0.00	49.23 2.30 0.00	46.89 1.67 0.00	45.51 1.75 0.00	43.07 1.81 0.00	41.68 1.64 0.00	41.42 1.97 0.00	40.70 2.16 0.00	43.80 2.40 0.00	50.54 2.54 0.00	56.03 3.17 0.00	61.08 3.94 0.00	65.86 4.14 0.00	57.91 2.81 0.00	49.99 2.42 0.00	47.16 2.33 0.00
SOUTH_FORK_WT_PWR 323839	51.18 1.49 0.00	48.96 1.15 0.00	45.89 1.07 0.00	45.30 1.19 0.00	45.87 0.72 0.00	45.85 0.90 0.00	48.19 1.13 0.00	51.57 1.55 0.00	51.68 1.11 0.00	48.76 1.83 0.00	46.25 1.04 0.00	44.94 1.18 0.00	42.49 1.24 0.00	41.12 1.08 0.00	40.91 1.46 0.00	40.16 1.62 0.00	43.26 1.86 0.00	49.92 1.92 0.00	55.45 2.59 0.00	60.51 3.37 0.00	65.30 3.58 0.00	57.36 2.26 0.00	49.47 1.90 0.00	46.85 2.02 0.00
SPIERFLS_115KV_TB 1 80737	52.42 2.73 0.00	50.39 2.58 0.00	47.06 2.24 0.00	46.35 2.25 0.00	47.49 2.35 0.00	47.38 2.43 0.00	49.51 2.45 0.00	52.57 2.55 0.00	53.15 2.58 0.00	49.33 2.39 0.00	47.52 2.31 0.00	45.90 2.14 0.00	42.99 1.73 0.00	41.72 1.68 0.00	41.19 1.74 0.00	40.09 1.54 0.00	43.14 1.74 0.00	50.40 2.40 0.00	55.93 3.07 0.00	61.03 3.89 0.00	65.80 4.07 0.00	58.13 3.03 0.00	50.13 2.57 0.00	47.34 2.51 0.00
ST LAWRENCE____ 23600	49.44 -0.25 0.00	47.62 -0.19 0.00	44.77 -0.04 0.00	44.02 -0.09 0.00	45.06 -0.09 0.00	44.82 -0.13 0.00	46.64 -0.42 0.00	49.42 -0.60 0.00	50.01 -0.56 0.00	46.37 -0.56 0.00	44.81 -0.41 0.00	43.40 -0.35 0.00	40.84 -0.41 0.00	39.64 -0.40 0.00	39.02 -0.43 0.00	38.04 -0.50 0.00	40.78 -0.62 0.00	47.23 -0.77 0.00	51.97 -0.90 0.00	55.89 -1.26 0.00	60.49 -1.23 0.00	54.55 -0.55 0.00	47.09 -0.48 0.00	44.56 -0.27 0.00
STATE_CA_115KV_115_LB 55624	50.54 0.84 0.00	48.58 0.76 0.00	45.53 0.72 0.00	44.85 0.75 0.00	45.91 0.77 0.00	45.76 0.81 0.00	48.01 0.94 0.00	51.02 1.00 0.00	51.63 1.06 0.00	48.06 1.13 0.00	46.26 1.04 0.00	44.72 0.96 0.00	42.04 0.78 0.00	40.92 0.88 0.00	40.44 0.99 0.00	39.43 0.89 0.00	42.27 0.87 0.00	49.11 1.10 0.00	54.19 1.32 0.00	58.74 1.60 0.00	63.33 1.60 0.00	56.20 1.10 0.00	48.56 1.00 0.00	45.77 0.94 0.00

STATE_ST_34_KV_LOAD 55959	49.64 -0.05 0.00	47.86 0.05 0.00	44.77 -0.04 0.00	44.02 -0.09 0.00	45.10 -0.05 0.00	44.91 -0.04 0.00	47.16 0.09 0.00	50.22 0.20 0.00	50.67 0.10 0.00	46.89 -0.05 0.00	44.99 -0.23 0.00	43.54 -0.22 0.00	41.21 -0.04 0.00	39.88 -0.16 0.00	39.21 -0.24 0.00	38.47 -0.08 0.00	41.56 0.17 0.00	48.10 0.10 0.00	53.08 0.21 0.00	57.54 0.40 0.00	62.28 0.56 0.00	55.27 0.17 0.00	47.56 0.00 0.00	44.65 -0.18 0.00
STATION 5_MISC_HYD 23604	48.64 -1.05 0.00	46.71 -1.10 0.00	43.70 -1.12 0.00	42.92 -1.19 0.00	43.93 -1.22 0.00	43.65 -1.31 0.00	45.89 -1.17 0.00	48.77 -1.25 0.00	49.00 -1.57 0.00	45.34 -1.60 0.00	43.41 -1.81 0.00	42.22 -1.53 0.00	40.14 -1.11 0.00	38.80 -1.24 0.00	38.42 -1.03 0.00	37.50 -1.04 0.00	40.61 -0.79 0.00	46.56 -1.44 0.00	51.38 -1.48 0.00	55.77 -1.37 0.00	60.31 -1.42 0.00	53.67 -1.43 0.00	46.28 -1.28 0.00	43.39 -1.44 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	49.09 -0.60 0.00	47.19 -0.62 0.00	44.19 -0.63 0.00	43.40 -0.71 0.00	44.47 -0.68 0.00	44.23 -0.72 0.00	46.46 -0.61 0.00	49.47 -0.55 0.00	49.76 -0.81 0.00	46.00 -0.94 0.00	44.04 -1.18 0.00	42.71 -1.05 0.00	40.47 -0.78 0.00	39.08 -0.96 0.00	38.42 -1.03 0.00	37.81 -0.73 0.00	40.98 -0.41 0.00	47.14 -0.86 0.00	52.12 -0.74 0.00	56.46 -0.69 0.00	61.11 -0.62 0.00	54.27 -0.83 0.00	46.80 -0.76 0.00	43.80 -1.03 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	48.45 -1.24 0.00	46.52 -1.29 0.00	43.52 -1.30 0.00	42.74 -1.37 0.00	43.79 -1.35 0.00	43.51 -1.44 0.00	45.70 -1.36 0.00	48.57 -1.45 0.00	48.85 -1.72 0.00	45.20 -1.74 0.00	43.27 -1.94 0.00	42.09 -1.66 0.00	39.93 -1.32 0.00	38.56 -1.48 0.00	37.91 -1.54 0.00	37.39 -1.16 0.00	40.49 -0.91 0.00	46.42 -1.58 0.00	51.28 -1.59 0.00	55.54 -1.60 0.00	60.06 -1.67 0.00	53.45 -1.65 0.00	46.14 -1.43 0.00	43.13 -1.70 0.00
STA_56___34_KV_BUS2 355983	48.45 -1.24 0.00	46.52 -1.29 0.00	43.52 -1.30 0.00	42.74 -1.37 0.00	43.79 -1.35 0.00	43.51 -1.44 0.00	45.70 -1.36 0.00	48.57 -1.45 0.00	48.85 -1.72 0.00	45.20 -1.74 0.00	43.27 -1.94 0.00	42.09 -1.66 0.00	39.93 -1.32 0.00	38.56 -1.48 0.00	37.91 -1.54 0.00	37.39 -1.16 0.00	40.49 -0.91 0.00	46.42 -1.58 0.00	51.28 -1.59 0.00	55.54 -1.60 0.00	60.06 -1.67 0.00	53.45 -1.65 0.00	46.14 -1.43 0.00	43.13 -1.70 0.00
STA_67___115KV_BK2 355882	48.55 -1.14 0.00	46.62 -1.20 0.00	43.61 -1.21 0.00	42.83 -1.28 0.00	43.88 -1.26 0.00	43.60 -1.35 0.00	45.80 -1.27 0.00	48.67 -1.35 0.00	48.90 -1.67 0.00	45.25 -1.69 0.00	43.32 -1.90 0.00	42.14 -1.62 0.00	40.02 -1.24 0.00	38.64 -1.40 0.00	37.99 -1.46 0.00	37.46 -1.08 0.00	40.61 -0.79 0.00	46.47 -1.54 0.00	51.33 -1.53 0.00	55.66 -1.49 0.00	60.12 -1.60 0.00	53.56 -1.54 0.00	46.18 -1.38 0.00	43.17 -1.66 0.00
STA_7___115KV_9TRANS 80674	48.85 -0.84 0.00	46.90 -0.91 0.00	43.87 -0.94 0.00	43.09 -1.01 0.00	44.11 -1.04 0.00	43.83 -1.12 0.00	46.08 -0.99 0.00	48.97 -1.05 0.00	49.20 -1.37 0.00	45.53 -1.41 0.00	43.59 -1.63 0.00	42.36 -1.40 0.00	40.22 -1.03 0.00	38.84 -1.20 0.00	38.19 -1.26 0.00	37.66 -0.89 0.00	40.82 -0.58 0.00	46.75 -1.25 0.00	51.65 -1.22 0.00	56.06 -1.09 0.00	60.61 -1.11 0.00	53.94 -1.16 0.00	46.52 -1.05 0.00	43.44 -1.39 0.00
STA_82___115KV_TB1 80780	48.55 -1.14 0.00	46.62 -1.20 0.00	43.61 -1.21 0.00	42.83 -1.28 0.00	43.88 -1.26 0.00	43.60 -1.35 0.00	45.84 -1.22 0.00	48.67 -1.35 0.00	48.90 -1.67 0.00	45.25 -1.69 0.00	43.32 -1.90 0.00	42.14 -1.62 0.00	40.02 -1.24 0.00	38.64 -1.40 0.00	37.99 -1.46 0.00	37.46 -1.08 0.00	40.61 -0.79 0.00	46.47 -1.54 0.00	51.33 -1.53 0.00	55.66 -1.49 0.00	60.12 -1.60 0.00	53.56 -1.54 0.00	46.18 -1.38 0.00	43.17 -1.66 0.00
STEEL___WIND 323596	47.75 -1.94 0.00	45.80 -2.01 0.00	42.85 -1.97 0.00	41.99 -2.12 0.00	42.94 -2.21 0.00	42.48 -2.47 0.00	45.04 -2.02 0.00	47.87 -2.15 0.00	47.74 -2.83 0.00	44.12 -2.81 0.00	42.32 -2.89 0.00	41.31 -2.45 0.00	39.64 -1.61 0.00	38.20 -1.84 0.00	38.03 -1.42 0.00	37.04 -1.50 0.00	40.24 -1.16 0.00	45.60 -2.40 0.00	50.11 -2.75 0.00	54.52 -2.63 0.00	58.82 -2.90 0.00	52.40 -2.70 0.00	45.23 -2.33 0.00	42.41 -2.42 0.00
STEPHTWN_115KV_BK_2 55603	50.83 1.14 0.00	48.86 1.05 0.00	45.80 0.99 0.00	45.12 1.01 0.00	46.18 1.04 0.00	46.08 1.12 0.00	48.29 1.22 0.00	51.32 1.30 0.00	51.93 1.37 0.00	48.34 1.41 0.00	46.53 1.31 0.00	44.98 1.23 0.00	42.24 0.99 0.00	41.12 1.08 0.00	40.63 1.18 0.00	39.58 1.04 0.00	42.47 1.08 0.00	49.39 1.39 0.00	54.56 1.69 0.00	59.20 2.06 0.00	63.82 2.10 0.00	56.53 1.43 0.00	48.85 1.28 0.00	46.04 1.21 0.00
STEUBEN_REC_LFGE 323667	49.64 -0.05 0.00	47.76 -0.05 0.00	44.59 -0.22 0.00	43.84 -0.26 0.00	44.83 -0.32 0.00	44.55 -0.40 0.00	47.02 -0.05 0.00	50.12 0.10 0.00	50.01 -0.56 0.00	45.86 -1.08 0.00	43.86 -1.36 0.00	42.40 -1.36 0.00	40.55 -0.70 0.00	39.08 -0.96 0.00	38.58 -0.87 0.00	38.16 -0.39 0.00	41.60 0.21 0.00	47.67 -0.34 0.00	52.65 -0.21 0.00	57.37 0.23 0.00	62.16 0.43 0.00	55.04 -0.06 0.00	47.42 -0.14 0.00	44.29 -0.54 0.00
STILLWATER___SOLAR 323814	51.93 2.24 0.00	49.91 2.10 0.00	46.70 1.88 0.00	46.00 1.90 0.00	47.09 1.94 0.00	46.93 1.98 0.00	49.19 2.12 0.00	52.22 2.20 0.00	52.79 2.22 0.00	49.05 2.11 0.00	47.20 1.99 0.00	45.59 1.84 0.00	42.78 1.53 0.00	41.52 1.48 0.00	40.95 1.50 0.00	39.97 1.43 0.00	43.01 1.61 0.00	50.11 2.11 0.00	55.51 2.64 0.00	60.40 3.26 0.00	65.12 3.39 0.00	57.69 2.59 0.00	49.80 2.24 0.00	46.94 2.11 0.00
STONY___BROOK 24151	51.58 1.89 0.00	49.34 1.53 0.00	46.34 1.52 0.00	45.78 1.68 0.00	46.32 1.17 0.00	46.30 1.35 0.00	48.62 1.55 0.00	51.92 1.90 0.00	52.23 1.67 0.00	49.28 2.35 0.00	47.38 2.17 0.00	45.86 2.10 0.00	43.48 2.23 0.00	42.16 2.12 0.00	41.90 2.45 0.00	41.17 2.62 0.00	44.09 2.69 0.00	50.78 2.78 0.00	55.87 3.01 0.00	60.75 3.60 0.00	65.36 3.64 0.00	57.69 2.59 0.00	49.94 2.38 0.00	46.89 2.06 0.00
STURGEON_POOL_HYD 23609	51.48 1.79 0.00	49.48 1.67 0.00	46.38 1.57 0.00	45.69 1.59 0.00	46.73 1.58 0.00	46.57 1.62 0.00	48.90 1.84 0.00	52.07 2.05 0.00	52.79 2.23 0.00	49.09 2.16 0.00	47.30 2.08 0.00	45.77 2.01 0.00	43.03 1.77 0.00	41.80 1.76 0.00	41.26 1.81 0.00	40.32 1.77 0.00	43.22 1.82 0.00	50.40 2.40 0.00	55.30 2.43 0.00	60.12 2.97 0.00	64.87 3.15 0.00	57.41 2.31 0.00	49.61 2.05 0.00	46.80 1.97 0.00
ST_LAW_115_BK7_LBMP 345037	49.39 -0.30 0.00	47.57 -0.24 0.00	44.77 -0.04 0.00	44.02 -0.09 0.00	45.06 -0.09 0.00	44.82 -0.13 0.00	46.60 -0.47 0.00	49.37 -0.65 0.00	49.96 -0.60 0.00	46.32 -0.61 0.00	44.76 -0.45 0.00	43.40 -0.35 0.00	40.80 -0.45 0.00	39.60 -0.44 0.00	38.98 -0.47 0.00	38.00 -0.54 0.00	40.69 -0.70 0.00	47.19 -0.82 0.00	51.86 -1.01 0.00	55.77 -1.37 0.00	60.42 -1.30 0.00	54.50 -0.60 0.00	47.04 -0.52 0.00	44.52 -0.31 0.00

ST_LAW_115_BK8_LBMP 345038	49.39 -0.30 0.00	47.57 -0.24 0.00	44.77 -0.04 0.00	44.02 -0.09 0.00	45.06 -0.09 0.00	44.82 -0.13 0.00	46.60 -0.47 0.00	49.37 -0.65 0.00	49.96 -0.60 0.00	46.32 -0.61 0.00	44.76 -0.45 0.00	43.40 -0.35 0.00	40.80 -0.45 0.00	39.60 -0.44 0.00	38.98 -0.47 0.00	38.00 -0.54 0.00	40.69 -0.70 0.00	47.19 -0.82 0.00	51.86 -1.01 0.00	55.77 -1.37 0.00	60.42 -1.30 0.00	54.50 -0.60 0.00	47.04 -0.52 0.00	44.52 -0.31 0.00
ST_LAW_230_BK5_LBMP 345035	49.44 -0.25 0.00	47.62 -0.19 0.00	44.77 -0.04 0.00	44.02 -0.09 0.00	45.06 -0.09 0.00	44.82 -0.13 0.00	46.64 -0.42 0.00	49.42 -0.60 0.00	50.01 -0.56 0.00	46.37 -0.56 0.00	44.81 -0.41 0.00	43.40 -0.35 0.00	40.84 -0.41 0.00	39.64 -0.40 0.00	39.02 -0.43 0.00	38.04 -0.50 0.00	40.78 -0.62 0.00	47.23 -0.77 0.00	51.97 -0.90 0.00	55.89 -1.26 0.00	60.49 -1.23 0.00	54.55 -0.55 0.00	47.09 -0.48 0.00	44.56 -0.27 0.00
ST_LAW_230_BK6_LBMP 345036	49.44 -0.25 0.00	47.62 -0.19 0.00	44.77 -0.04 0.00	44.02 -0.09 0.00	45.06 -0.09 0.00	44.82 -0.13 0.00	46.64 -0.42 0.00	49.42 -0.60 0.00	50.01 -0.56 0.00	46.37 -0.56 0.00	44.81 -0.41 0.00	43.40 -0.35 0.00	40.84 -0.41 0.00	39.64 -0.40 0.00	39.02 -0.43 0.00	38.04 -0.50 0.00	40.78 -0.62 0.00	47.23 -0.77 0.00	51.97 -0.90 0.00	55.89 -1.26 0.00	60.49 -1.23 0.00	54.55 -0.55 0.00	47.09 -0.48 0.00	44.56 -0.27 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	51.33 1.64 0.00	49.34 1.53 0.00	46.21 1.39 0.00	45.52 1.41 0.00	46.55 1.40 0.00	46.39 1.44 0.00	48.76 1.69 0.00	51.97 1.95 0.00	52.64 2.07 0.00	48.95 2.02 0.00	47.21 1.99 0.00	45.68 1.93 0.00	42.99 1.73 0.00	41.76 1.72 0.00	41.19 1.74 0.00	40.28 1.73 0.00	43.18 1.78 0.00	50.26 2.26 0.00	55.14 2.27 0.00	59.94 2.80 0.00	64.62 2.90 0.00	57.19 2.09 0.00	49.47 1.90 0.00	46.67 1.84 0.00
SWANROAD_115KV_TB1 355699	46.26 -3.43 0.00	44.37 -3.44 0.00	41.50 -3.32 0.00	40.71 -3.40 0.00	41.81 -3.34 0.00	41.45 -3.51 0.00	43.68 -3.39 0.00	46.17 -3.85 0.00	46.07 -4.50 0.00	42.57 -4.36 0.00	40.79 -4.43 0.00	39.86 -3.89 0.00	38.20 -3.05 0.00	36.71 -3.32 0.00	36.10 -3.35 0.00	35.92 -2.62 0.00	39.12 -2.28 0.00	43.97 -4.03 0.00	48.37 -4.49 0.00	52.52 -4.63 0.00	56.66 -5.06 0.00	50.58 -4.52 0.00	43.71 -3.85 0.00	40.75 -4.08 0.00
SYNERGY___BIOGAS 323694	48.30 -1.39 0.00	46.33 -1.48 0.00	43.34 -1.48 0.00	42.52 -1.59 0.00	43.57 -1.58 0.00	43.20 -1.75 0.00	45.51 -1.55 0.00	48.27 -1.75 0.00	48.24 -2.33 0.00	44.49 -2.44 0.00	42.50 -2.71 0.00	41.44 -2.32 0.00	39.48 -1.77 0.00	38.00 -2.04 0.00	37.36 -2.09 0.00	37.08 -1.46 0.00	40.40 -0.99 0.00	45.84 -2.16 0.00	50.70 -2.17 0.00	55.14 -2.00 0.00	59.56 -2.16 0.00	53.06 -2.04 0.00	45.80 -1.76 0.00	42.59 -2.24 0.00
SYRACUSE___ENERGY_ST1 323597	49.54 -0.15 0.00	47.71 -0.10 0.00	44.68 -0.13 0.00	43.93 -0.18 0.00	45.01 -0.14 0.00	44.82 -0.13 0.00	46.97 -0.09 0.00	50.02 0.00 0.00	50.52 -0.05 0.00	46.75 -0.19 0.00	44.95 -0.27 0.00	43.45 -0.31 0.00	41.13 -0.12 0.00	39.88 -0.16 0.00	39.21 -0.24 0.00	38.39 -0.15 0.00	41.40 0.00 0.00	47.86 -0.14 0.00	52.81 -0.05 0.00	57.26 0.11 0.00	61.91 0.19 0.00	54.99 -0.11 0.00	47.37 -0.19 0.00	44.56 -0.27 0.00
SYRACUSE___ENERGY_ST2 323598	49.54 -0.15 0.00	47.71 -0.10 0.00	44.68 -0.13 0.00	43.93 -0.18 0.00	45.01 -0.14 0.00	44.82 -0.13 0.00	46.97 -0.09 0.00	50.02 0.00 0.00	50.52 -0.05 0.00	46.75 -0.19 0.00	44.95 -0.27 0.00	43.45 -0.31 0.00	41.13 -0.12 0.00	39.88 -0.16 0.00	39.21 -0.24 0.00	38.39 -0.15 0.00	41.40 0.00 0.00	47.86 -0.14 0.00	52.81 -0.05 0.00	57.26 0.11 0.00	61.91 0.19 0.00	54.99 -0.11 0.00	47.37 -0.19 0.00	44.56 -0.27 0.00
SYRACUSE___POWER 24017	49.39 -0.30 0.00	47.57 -0.24 0.00	44.55 -0.27 0.00	43.80 -0.31 0.00	44.88 -0.27 0.00	44.68 -0.27 0.00	46.88 -0.19 0.00	49.92 -0.10 0.00	50.37 -0.20 0.00	46.65 -0.28 0.00	44.86 -0.36 0.00	43.36 -0.39 0.00	41.05 -0.21 0.00	39.76 -0.28 0.00	39.13 -0.32 0.00	38.31 -0.23 0.00	41.31 -0.08 0.00	47.81 -0.19 0.00	52.71 -0.16 0.00	57.14 0.00 0.00	61.79 0.06 0.00	54.88 -0.22 0.00	47.33 -0.24 0.00	44.47 -0.36 0.00
TALLMAN___138KV_BK151 55660	51.58 1.89 0.00	49.58 1.77 0.00	46.43 1.61 0.00	45.74 1.63 0.00	46.77 1.63 0.00	46.62 1.66 0.00	49.04 1.98 0.00	52.32 2.30 0.00	53.05 2.48 0.00	49.33 2.39 0.00	47.61 2.40 0.00	46.03 2.28 0.00	43.36 2.10 0.00	42.08 2.04 0.00	41.54 2.09 0.00	40.59 2.04 0.00	43.51 2.11 0.00	50.64 2.64 0.00	55.51 2.64 0.00	60.34 3.20 0.00	65.06 3.33 0.00	57.58 2.48 0.00	49.75 2.19 0.00	46.98 2.15 0.00
TEALLAVE_115KV_TB7 355573	49.29 -0.40 0.00	47.43 -0.38 0.00	44.41 -0.40 0.00	43.71 -0.40 0.00	44.79 -0.36 0.00	44.59 -0.36 0.00	46.74 -0.33 0.00	49.72 -0.30 0.00	50.22 -0.35 0.00	46.51 -0.42 0.00	44.72 -0.50 0.00	43.23 -0.53 0.00	40.92 -0.33 0.00	39.68 -0.36 0.00	39.02 -0.43 0.00	38.24 -0.31 0.00	41.19 -0.21 0.00	47.67 -0.34 0.00	52.55 -0.32 0.00	56.97 -0.17 0.00	61.60 -0.12 0.00	54.71 -0.39 0.00	47.18 -0.38 0.00	44.34 -0.49 0.00
TELGRAPH_34_KV_EAST 80808	47.50 -2.19 0.00	45.56 -2.25 0.00	42.62 -2.20 0.00	41.77 -2.34 0.00	42.84 -2.30 0.00	42.48 -2.47 0.00	44.81 -2.26 0.00	47.42 -2.60 0.00	47.38 -3.19 0.00	43.79 -3.14 0.00	41.87 -3.35 0.00	40.87 -2.89 0.00	39.07 -2.19 0.00	37.55 -2.48 0.00	36.93 -2.52 0.00	36.66 -1.89 0.00	39.95 -1.45 0.00	45.12 -2.88 0.00	49.75 -3.12 0.00	54.06 -3.09 0.00	58.39 -3.33 0.00	52.07 -3.03 0.00	44.95 -2.62 0.00	41.87 -2.96 0.00
TEMPLE___115KV_TB 2 55572	49.29 -0.40 0.00	47.48 -0.33 0.00	44.46 -0.36 0.00	43.71 -0.40 0.00	44.79 -0.36 0.00	44.59 -0.36 0.00	46.74 -0.33 0.00	49.77 -0.25 0.00	50.22 -0.35 0.00	46.51 -0.42 0.00	44.72 -0.50 0.00	43.27 -0.48 0.00	40.97 -0.29 0.00	39.72 -0.32 0.00	39.06 -0.39 0.00	38.27 -0.27 0.00	41.23 -0.17 0.00	47.67 -0.34 0.00	52.55 -0.32 0.00	56.97 -0.17 0.00	61.60 -0.12 0.00	54.77 -0.33 0.00	47.18 -0.38 0.00	44.34 -0.49 0.00
TIANA____69_KV_BK 1 55817	51.73 2.04 0.00	49.58 1.77 0.00	46.56 1.75 0.00	45.91 1.81 0.00	46.82 1.67 0.00	46.66 1.71 0.00	48.76 1.69 0.00	52.12 2.10 0.00	52.33 1.77 0.00	49.37 2.44 0.00	47.29 2.08 0.00	45.94 2.19 0.00	43.44 2.19 0.00	42.16 2.12 0.00	41.90 2.45 0.00	41.05 2.51 0.00	44.05 2.65 0.00	50.78 2.78 0.00	56.03 3.17 0.00	61.03 3.89 0.00	65.67 3.95 0.00	57.97 2.87 0.00	50.13 2.57 0.00	47.65 2.82 0.00
TILDEN___115KV_TB1 80814	49.39 -0.30 0.00	47.57 -0.24 0.00	44.55 -0.27 0.00	43.80 -0.31 0.00	44.88 -0.27 0.00	44.68 -0.27 0.00	46.88 -0.19 0.00	49.92 -0.10 0.00	50.37 -0.20 0.00	46.65 -0.28 0.00	44.86 -0.36 0.00	43.36 -0.39 0.00	41.05 -0.21 0.00	39.76 -0.28 0.00	39.13 -0.32 0.00	38.31 -0.23 0.00	41.31 -0.08 0.00	47.81 -0.19 0.00	52.71 -0.16 0.00	57.14 0.00 0.00	61.79 0.06 0.00	54.88 -0.22 0.00	47.33 -0.24 0.00	44.47 -0.36 0.00

TRIGEN___CC 323695	51.53 1.84 0.00	49.44 1.63 0.00	46.43 1.61 0.00	45.78 1.68 0.00	46.64 1.49 0.00	46.53 1.57 0.00	48.67 1.60 0.00	51.92 1.90 0.00	52.54 1.97 0.00	49.46 2.53 0.00	47.47 2.26 0.00	45.99 2.23 0.00	43.48 2.23 0.00	42.28 2.24 0.00	41.90 2.45 0.00	41.01 2.47 0.00	43.80 2.40 0.00	50.69 2.69 0.00	55.56 2.70 0.00	60.46 3.31 0.00	65.12 3.39 0.00	57.47 2.37 0.00	49.80 2.24 0.00	47.07 2.24 0.00
TRINITY___115KV___4 BK 55933	50.39 0.70 0.00	48.43 0.62 0.00	45.40 0.58 0.00	44.72 0.62 0.00	45.82 0.68 0.00	45.67 0.72 0.00	47.87 0.80 0.00	50.87 0.85 0.00	51.53 0.96 0.00	47.97 1.03 0.00	46.17 0.95 0.00	44.63 0.88 0.00	41.96 0.70 0.00	40.84 0.80 0.00	40.40 0.95 0.00	39.35 0.81 0.00	42.18 0.79 0.00	49.01 1.01 0.00	54.08 1.22 0.00	58.57 1.43 0.00	63.14 1.42 0.00	56.04 0.94 0.00	48.42 0.86 0.00	45.64 0.81 0.00
UNION___PROCESSING_DRP 323587	48.55 -1.14 0.00	46.62 -1.20 0.00	43.65 -1.17 0.00	42.87 -1.23 0.00	43.88 -1.26 0.00	43.60 -1.35 0.00	45.84 -1.22 0.00	48.67 -1.35 0.00	48.90 -1.67 0.00	45.25 -1.69 0.00	43.32 -1.90 0.00	42.14 -1.62 0.00	40.02 -1.24 0.00	38.64 -1.40 0.00	37.99 -1.46 0.00	37.46 -1.08 0.00	40.61 -0.79 0.00	46.47 -1.54 0.00	51.33 -1.53 0.00	55.66 -1.49 0.00	60.18 -1.54 0.00	53.56 -1.54 0.00	46.18 -1.38 0.00	43.17 -1.66 0.00
UPPER HUDSON___HYD 24058	52.42 2.73 0.00	50.39 2.58 0.00	47.01 2.20 0.00	46.35 2.25 0.00	47.45 2.30 0.00	47.29 2.34 0.00	49.51 2.45 0.00	52.57 2.55 0.00	53.15 2.58 0.00	49.33 2.39 0.00	47.52 2.30 0.00	45.90 2.14 0.00	42.99 1.73 0.00	41.72 1.68 0.00	41.11 1.66 0.00	40.09 1.54 0.00	43.14 1.74 0.00	50.40 2.40 0.00	55.93 3.06 0.00	61.03 3.89 0.00	65.80 4.07 0.00	58.13 3.03 0.00	50.13 2.57 0.00	47.34 2.51 0.00
UPPER RAQUET___HYD 24056	48.75 -0.95 0.00	46.95 -0.86 0.00	44.41 -0.40 0.00	43.66 -0.44 0.00	44.70 -0.45 0.00	44.46 -0.49 0.00	45.89 -1.17 0.00	48.57 -1.45 0.00	49.15 -1.42 0.00	45.48 -1.46 0.00	44.18 -1.04 0.00	42.84 -0.92 0.00	40.22 -1.03 0.00	38.92 -1.12 0.00	38.23 -1.22 0.00	37.27 -1.27 0.00	39.87 -1.53 0.00	46.13 -1.87 0.00	50.75 -2.12 0.00	54.86 -2.29 0.00	59.62 -2.10 0.00	53.78 -1.32 0.00	46.33 -1.24 0.00	44.07 -0.76 0.00
VALLEY44_115KV_TB2 355964	47.80 -1.89 0.00	45.95 -1.86 0.00	42.93 -1.88 0.00	42.16 -1.94 0.00	43.11 -2.03 0.00	42.70 -2.25 0.00	45.33 -1.74 0.00	48.72 -1.30 0.00	48.70 -1.87 0.00	44.87 -2.07 0.00	43.14 -2.08 0.00	41.87 -1.88 0.00	40.06 -1.20 0.00	38.44 -1.60 0.00	37.79 -1.66 0.00	37.39 -1.16 0.00	40.69 -0.70 0.00	46.27 -1.73 0.00	50.64 -2.22 0.00	55.20 -1.94 0.00	59.56 -2.16 0.00	52.90 -2.20 0.00	45.57 -2.00 0.00	42.63 -2.20 0.00
VALLEY___115KV_TB 1-4 80826	49.94 0.25 0.00	48.00 0.19 0.00	44.95 0.13 0.00	44.24 0.13 0.00	45.28 0.14 0.00	45.04 0.09 0.00	47.16 0.09 0.00	50.12 0.10 0.00	50.67 0.10 0.00	47.12 0.19 0.00	45.40 0.18 0.00	43.76 0.00 0.00	41.17 -0.08 0.00	39.84 -0.20 0.00	39.17 -0.28 0.00	38.27 -0.27 0.00	41.07 -0.33 0.00	47.67 -0.34 0.00	52.60 -0.26 0.00	57.09 -0.06 0.00	61.72 0.00 0.00	54.93 -0.17 0.00	47.42 -0.14 0.00	44.74 -0.09 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	52.08 2.39 0.00	50.06 2.25 0.00	46.88 2.06 0.00	46.13 2.03 0.00	47.40 2.26 0.00	47.15 2.20 0.00	49.51 2.45 0.00	52.82 2.80 0.00	53.35 2.78 0.00	49.52 2.58 0.00	47.70 2.49 0.00	45.94 2.19 0.00	43.36 2.10 0.00	41.92 1.88 0.00	41.26 1.81 0.00	40.32 1.77 0.00	43.34 1.95 0.00	50.35 2.35 0.00	55.46 2.59 0.00	60.46 3.31 0.00	65.30 3.58 0.00	57.85 2.75 0.00	49.80 2.24 0.00	46.89 2.06 0.00
VISCHER___FERRY HYD 24020	51.23 1.54 0.00	49.24 1.43 0.00	46.12 1.30 0.00	45.43 1.32 0.00	46.46 1.31 0.00	46.35 1.40 0.00	48.57 1.51 0.00	51.62 1.60 0.00	52.24 1.67 0.00	48.62 1.69 0.00	46.84 1.63 0.00	45.33 1.57 0.00	42.53 1.28 0.00	41.32 1.28 0.00	40.75 1.30 0.00	39.86 1.31 0.00	42.76 1.36 0.00	49.73 1.73 0.00	54.87 2.01 0.00	59.60 2.46 0.00	64.19 2.47 0.00	56.97 1.87 0.00	49.23 1.66 0.00	46.35 1.53 0.00
V_A_10_SYNC_DSASP 323832	47.65 -2.04 0.00	45.76 -2.05 0.00	42.80 -2.02 0.00	41.99 -2.12 0.00	42.98 -2.17 0.00	42.66 -2.29 0.00	45.00 -2.07 0.00	47.67 -2.35 0.00	47.79 -2.78 0.00	44.17 -2.77 0.00	42.32 -2.89 0.00	41.31 -2.45 0.00	39.48 -1.77 0.00	38.08 -1.96 0.00	37.83 -1.62 0.00	36.93 -1.62 0.00	39.99 -1.41 0.00	45.50 -2.50 0.00	50.06 -2.80 0.00	54.35 -2.80 0.00	58.70 -3.02 0.00	52.29 -2.81 0.00	45.14 -2.42 0.00	42.41 -2.42 0.00
V_CMM_10_SYNC_DSASP 323787	49.64 -0.05 0.00	47.81 0.00 0.00	45.00 0.18 0.00	44.24 0.13 0.00	45.24 0.09 0.00	45.04 0.09 0.00	46.79 -0.28 0.00	49.57 -0.45 0.00	50.16 -0.41 0.00	46.51 -0.42 0.00	44.95 -0.27 0.00	43.58 -0.17 0.00	41.01 -0.25 0.00	39.76 -0.28 0.00	39.13 -0.32 0.00	38.20 -0.35 0.00	40.86 -0.54 0.00	47.33 -0.67 0.00	52.02 -0.85 0.00	56.00 -1.14 0.00	60.67 -1.05 0.00	54.77 -0.33 0.00	47.23 -0.33 0.00	44.74 -0.09 0.00
V_CMP_10_SYNC_DSASP 323788	50.98 1.29 0.00	49.15 1.34 0.00	46.21 1.39 0.00	45.39 1.28 0.00	46.41 1.26 0.00	46.21 1.26 0.00	48.01 0.94 0.00	50.92 0.90 0.00	51.53 0.96 0.00	47.73 0.80 0.00	46.03 0.81 0.00	44.68 0.92 0.00	41.95 0.70 0.00	40.64 0.60 0.00	39.93 0.48 0.00	38.89 0.35 0.00	41.65 0.25 0.00	48.43 0.43 0.00	53.24 0.37 0.00	57.49 0.34 0.00	62.40 0.68 0.00	56.14 1.04 0.00	48.23 0.67 0.00	45.54 0.72 0.00
V_D_10_SYNC_DSASP 323841	49.74 0.05 0.00	47.95 0.14 0.00	45.26 0.45 0.00	44.50 0.40 0.00	45.55 0.41 0.00	45.31 0.36 0.00	46.88 -0.19 0.00	49.67 -0.35 0.00	50.27 -0.30 0.00	46.56 -0.38 0.00	45.17 -0.05 0.00	43.84 0.09 0.00	41.21 -0.04 0.00	39.96 -0.08 0.00	39.29 -0.16 0.00	38.31 -0.23 0.00	40.98 -0.41 0.00	47.38 -0.63 0.00	52.02 -0.85 0.00	56.06 -1.09 0.00	60.86 -0.86 0.00	54.88 -0.22 0.00	47.37 -0.19 0.00	45.01 0.18 0.00
V_E_10_SYNC_DSASP 323830	53.52 3.83 0.00	51.54 3.73 0.00	48.22 3.40 0.00	47.37 3.26 0.00	48.62 3.48 0.00	48.33 3.37 0.00	50.93 3.86 0.00	54.27 4.25 0.00	54.31 3.74 0.00	49.94 3.01 0.00	47.84 2.62 0.00	45.86 2.10 0.00	43.36 2.10 0.00	41.72 1.68 0.00	40.99 1.54 0.00	40.20 1.66 0.00	43.63 2.23 0.00	50.88 2.88 0.00	56.51 3.64 0.00	62.23 5.08 0.00	67.52 5.80 0.00	59.56 4.46 0.00	51.03 3.47 0.00	47.92 3.09 0.00
V_F_30_NSYNC___DSASP 323816	51.98 2.29 0.00	50.01 2.20 0.00	46.79 1.97 0.00	46.09 1.99 0.00	47.18 2.03 0.00	47.02 2.07 0.00	49.23 2.17 0.00	52.27 2.25 0.00	52.85 2.28 0.00	49.10 2.16 0.00	47.30 2.08 0.00	45.68 1.92 0.00	42.86 1.61 0.00	41.60 1.56 0.00	41.03 1.58 0.00	40.05 1.50 0.00	43.06 1.66 0.00	50.21 2.21 0.00	55.56 2.69 0.00	60.46 3.31 0.00	65.24 3.52 0.00	57.74 2.64 0.00	49.85 2.28 0.00	46.98 2.15 0.00

V_F_30_SYNC_DSASP 323786	50.54 0.84 0.00	48.58 0.76 0.00	45.53 0.72 0.00	44.85 0.75 0.00	45.91 0.77 0.00	45.76 0.81 0.00	48.01 0.94 0.00	51.02 1.00 0.00	51.63 1.06 0.00	48.06 1.13 0.00	46.26 1.04 0.00	44.72 0.96 0.00	42.04 0.78 0.00	40.92 0.88 0.00	40.44 0.99 0.00	39.43 0.89 0.00	42.27 0.87 0.00	49.11 1.10 0.00	54.19 1.32 0.00	58.74 1.60 0.00	63.33 1.60 0.00	56.15 1.05 0.00	48.56 1.00 0.00	45.77 0.94 0.00
V_XM_10_SYNC_DSASP 323789	50.98 1.29 0.00	49.15 1.34 0.00	46.21 1.39 0.00	45.39 1.28 0.00	46.41 1.26 0.00	46.21 1.26 0.00	48.01 0.94 0.00	50.92 0.90 0.00	51.53 0.96 0.00	47.73 0.80 0.00	46.03 0.81 0.00	44.68 0.92 0.00	41.95 0.70 0.00	40.64 0.60 0.00	39.93 0.48 0.00	38.89 0.35 0.00	41.65 0.25 0.00	48.43 0.43 0.00	53.24 0.37 0.00	57.49 0.34 0.00	62.40 0.68 0.00	56.14 1.04 0.00	48.23 0.67 0.00	45.54 0.72 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	51.73 2.04 0.00	49.72 1.91 0.00	46.56 1.75 0.00	45.87 1.76 0.00	46.91 1.76 0.00	46.80 1.84 0.00	49.19 2.12 0.00	52.47 2.45 0.00	53.20 2.63 0.00	49.47 2.53 0.00	47.75 2.53 0.00	46.16 2.41 0.00	43.48 2.23 0.00	42.20 2.16 0.00	41.62 2.17 0.00	40.70 2.16 0.00	43.63 2.24 0.00	50.79 2.78 0.00	55.67 2.80 0.00	60.57 3.43 0.00	65.30 3.58 0.00	57.74 2.64 0.00	49.94 2.38 0.00	47.12 2.29 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	52.42 2.73 0.00	50.39 2.58 0.00	47.10 2.29 0.00	46.40 2.29 0.00	47.45 2.30 0.00	47.33 2.38 0.00	49.84 2.78 0.00	53.17 3.15 0.00	53.91 3.34 0.00	50.32 3.33 -0.05	48.48 3.26 0.00	46.86 3.11 0.00	44.14 2.89 0.00	42.80 2.76 0.00	42.29 2.84 0.00	41.36 2.81 0.00	44.30 2.90 0.00	51.65 3.60 -0.05	56.57 3.70 0.00	61.49 4.34 0.00	66.29 4.57 0.00	58.57 3.47 0.00	50.70 3.14 0.00	47.79 2.96 0.00
W50THST__13_KV_LOAD 356117	52.72 3.03 0.00	50.68 2.87 0.00	47.28 2.46 0.00	46.58 2.47 0.00	47.63 2.48 0.00	47.51 2.56 0.00	50.03 2.97 0.00	53.52 3.50 0.00	54.27 3.69 0.00	50.60 3.61 -0.05	48.70 3.48 0.00	47.08 3.33 0.00	44.35 3.09 0.00	43.00 2.96 0.00	42.45 3.00 0.00	41.55 3.01 0.00	44.46 3.06 0.00	51.99 3.94 -0.05	56.94 4.07 0.00	61.89 4.74 0.00	66.72 5.00 0.00	58.96 3.86 0.00	50.99 3.42 0.00	48.06 3.23 0.00
WADING RIVER_IC_1 23522	51.58 1.89 0.00	49.39 1.58 0.00	46.38 1.57 0.00	45.78 1.68 0.00	46.37 1.22 0.00	46.30 1.35 0.00	48.62 1.55 0.00	51.92 1.90 0.00	52.18 1.62 0.00	49.23 2.30 0.00	47.25 2.04 0.00	45.77 2.01 0.00	43.36 2.10 0.00	42.00 1.96 0.00	41.78 2.33 0.00	41.01 2.47 0.00	44.01 2.61 0.00	50.68 2.69 0.00	55.87 3.01 0.00	60.80 3.66 0.00	65.43 3.70 0.00	57.74 2.64 0.00	49.99 2.42 0.00	46.94 2.11 0.00
WADING RIVER_IC_2 23547	51.58 1.89 0.00	49.39 1.58 0.00	46.38 1.57 0.00	45.78 1.68 0.00	46.37 1.22 0.00	46.30 1.35 0.00	48.62 1.55 0.00	51.92 1.90 0.00	52.18 1.62 0.00	49.23 2.30 0.00	47.25 2.04 0.00	45.77 2.01 0.00	43.36 2.10 0.00	42.00 1.96 0.00	41.78 2.33 0.00	41.01 2.47 0.00	44.01 2.61 0.00	50.68 2.69 0.00	55.87 3.01 0.00	60.80 3.66 0.00	65.43 3.70 0.00	57.74 2.64 0.00	49.99 2.42 0.00	46.94 2.11 0.00
WADING RIVER_IC_3 23601	51.58 1.89 0.00	49.39 1.58 0.00	46.38 1.57 0.00	45.78 1.68 0.00	46.37 1.22 0.00	46.30 1.35 0.00	48.62 1.55 0.00	51.92 1.90 0.00	52.18 1.62 0.00	49.23 2.30 0.00	47.25 2.04 0.00	45.77 2.01 0.00	43.36 2.10 0.00	42.00 1.96 0.00	41.78 2.33 0.00	41.01 2.47 0.00	44.01 2.61 0.00	50.68 2.69 0.00	55.87 3.01 0.00	60.80 3.66 0.00	65.43 3.70 0.00	57.74 2.64 0.00	49.99 2.42 0.00	46.94 2.11 0.00
WALDENNY_12_KV_BK2 80841	47.70 -1.99 0.00	45.75 -2.06 0.00	42.80 -2.02 0.00	41.94 -2.16 0.00	42.93 -2.21 0.00	42.48 -2.47 0.00	45.00 -2.07 0.00	47.82 -2.20 0.00	47.69 -2.88 0.00	44.07 -2.86 0.00	42.28 -2.94 0.00	41.22 -2.54 0.00	39.52 -1.73 0.00	37.95 -2.08 0.00	37.32 -2.13 0.00	37.04 -1.50 0.00	40.36 -1.03 0.00	45.55 -2.45 0.00	50.06 -2.80 0.00	54.46 -2.69 0.00	58.76 -2.96 0.00	52.34 -2.76 0.00	45.19 -2.38 0.00	42.14 -2.69 0.00
WALDEN__HYDRO 24148	51.53 1.84 0.00	49.53 1.72 0.00	46.38 1.57 0.00	45.69 1.59 0.00	46.77 1.63 0.00	46.62 1.66 0.00	48.95 1.88 0.00	52.17 2.15 0.00	52.84 2.28 0.00	49.14 2.21 0.00	47.34 2.13 0.00	45.77 2.01 0.00	43.11 1.86 0.00	41.84 1.80 0.00	41.26 1.81 0.00	40.36 1.81 0.00	43.30 1.90 0.00	50.45 2.45 0.00	55.35 2.48 0.00	60.23 3.09 0.00	64.93 3.21 0.00	57.47 2.37 0.00	49.66 2.09 0.00	46.85 2.02 0.00
WARRENSBURG____ 23737	52.42 2.73 0.00	50.39 2.58 0.00	47.06 2.24 0.00	46.35 2.25 0.00	47.49 2.35 0.00	47.38 2.43 0.00	49.51 2.45 0.00	52.57 2.55 0.00	53.15 2.58 0.00	49.33 2.39 0.00	47.52 2.31 0.00	45.90 2.14 0.00	42.99 1.73 0.00	41.72 1.68 0.00	41.19 1.74 0.00	40.09 1.54 0.00	43.14 1.74 0.00	50.40 2.40 0.00	55.93 3.07 0.00	61.03 3.89 0.00	65.80 4.07 0.00	58.13 3.03 0.00	50.13 2.57 0.00	47.34 2.51 0.00
WATERSIDE____6 8 9 23538	52.63 2.93 -0.01	50.59 2.77 -0.01	47.02 2.51 0.30	46.26 2.56 0.40	47.32 2.53 0.35	47.19 2.61 0.37	50.02 3.01 0.06	53.38 3.35 -0.01	54.12 3.54 -0.01	50.82 3.47 -0.41	49.84 3.44 -1.19	47.07 3.33 0.01	44.30 3.05 0.01	42.99 2.96 0.01	42.48 3.04 0.01	41.54 3.01 0.01	44.49 3.10 0.01	51.84 3.79 -0.04	56.79 3.91 -0.01	61.72 4.57 -0.01	66.55 4.81 -0.01	58.86 3.75 -0.01	50.88 3.33 0.01	47.96 3.14 0.01
WATKINRD_115KV_LN8_ILLION 55919	49.99 0.30 0.00	48.05 0.24 0.00	45.00 0.18 0.00	44.24 0.13 0.00	45.33 0.18 0.00	45.00 0.04 0.00	47.16 0.09 0.00	50.07 0.05 0.00	50.62 0.05 0.00	47.08 0.14 0.00	45.40 0.18 0.00	43.71 -0.04 0.00	41.09 -0.17 0.00	39.72 -0.32 0.00	39.02 -0.43 0.00	38.12 -0.42 0.00	40.90 -0.50 0.00	47.52 -0.48 0.00	52.44 -0.42 0.00	57.03 -0.11 0.00	61.66 -0.06 0.00	54.88 -0.22 0.00	47.33 -0.24 0.00	44.65 -0.18 0.00
WATSON__69_KV_BK 1 55734	51.93 2.24 0.00	49.77 1.96 0.00	46.79 1.97 0.00	46.13 2.03 0.00	47.00 1.85 0.00	46.84 1.89 0.00	48.95 1.88 0.00	52.27 2.25 0.00	52.59 2.02 0.00	49.61 2.68 0.00	47.70 2.49 0.00	46.29 2.54 0.00	43.77 2.52 0.00	42.52 2.48 0.00	42.25 2.80 0.00	41.40 2.85 0.00	44.34 2.94 0.00	51.07 3.07 0.00	56.19 3.33 0.00	61.20 4.06 0.00	65.86 4.14 0.00	58.13 3.03 0.00	50.32 2.76 0.00	47.70 2.87 0.00
WDELAWARE__HYD 323627	51.87 2.18 0.00	49.82 2.01 0.00	46.65 1.84 0.00	45.96 1.85 0.00	46.95 1.81 0.00	46.84 1.89 0.00	49.23 2.17 0.00	52.42 2.40 0.00	53.10 2.53 0.00	49.28 2.35 0.00	47.43 2.22 0.00	45.81 2.06 0.00	43.07 1.81 0.00	41.80 1.76 0.00	41.15 1.70 0.00	40.28 1.74 0.00	43.30 1.91 0.00	50.50 2.49 0.00	55.56 2.69 0.00	60.51 3.37 0.00	65.30 3.58 0.00	57.74 2.64 0.00	49.85 2.28 0.00	46.94 2.11 0.00

WEST BABYLON___IC 23714	51.83 2.14 0.00	49.68 1.86 0.00	46.70 1.88 0.00	46.05 1.94 0.00	46.91 1.76 0.00	46.75 1.80 0.00	48.86 1.79 0.00	52.17 2.15 0.00	52.54 1.97 0.00	49.56 2.63 0.00	47.61 2.40 0.00	46.21 2.45 0.00	43.73 2.48 0.00	42.48 2.44 0.00	42.17 2.72 0.00	41.36 2.81 0.00	44.21 2.82 0.00	50.97 2.98 0.00	56.03 3.17 0.00	61.03 3.89 0.00	65.67 3.95 0.00	57.97 2.87 0.00	50.18 2.62 0.00	47.52 2.69 0.00
WEST CANADA___HYD 24049	49.89 0.20 0.00	48.00 0.19 0.00	44.95 0.13 0.00	44.24 0.13 0.00	45.28 0.14 0.00	45.09 0.14 0.00	47.30 0.24 0.00	50.27 0.25 0.00	50.82 0.25 0.00	47.22 0.28 0.00	45.44 0.23 0.00	43.93 0.18 0.00	41.42 0.17 0.00	40.20 0.16 0.00	39.61 0.16 0.00	38.70 0.15 0.00	41.56 0.17 0.00	48.24 0.24 0.00	53.18 0.32 0.00	57.60 0.46 0.00	62.21 0.49 0.00	55.38 0.28 0.00	47.80 0.24 0.00	45.01 0.18 0.00
WESTERN_NY_WIND 24143	48.25 -1.44 0.00	46.28 -1.53 0.00	43.25 -1.57 0.00	42.43 -1.68 0.00	43.48 -1.67 0.00	43.11 -1.84 0.00	45.42 -1.65 0.00	48.17 -1.85 0.00	48.14 -2.43 0.00	44.40 -2.53 0.00	42.41 -2.80 0.00	41.35 -2.41 0.00	39.44 -1.82 0.00	37.95 -2.08 0.00	37.28 -2.17 0.00	37.00 -1.54 0.00	40.36 -1.03 0.00	45.75 -2.26 0.00	50.59 -2.27 0.00	55.03 -2.11 0.00	59.44 -2.28 0.00	52.95 -2.15 0.00	45.71 -1.85 0.00	42.50 -2.33 0.00
WESTOVER___LESR 323668	49.69 0.00 0.00	47.81 0.00 0.00	44.77 -0.04 0.00	44.06 -0.04 0.00	45.15 0.00 0.00	44.91 -0.04 0.00	47.21 0.14 0.00	50.32 0.30 0.00	50.72 0.15 0.00	46.89 -0.05 0.00	45.08 -0.14 0.00	43.62 -0.13 0.00	41.34 0.08 0.00	40.00 -0.04 0.00	39.37 -0.08 0.00	38.62 0.08 0.00	41.73 0.33 0.00	48.15 0.14 0.00	52.97 0.11 0.00	57.49 0.34 0.00	62.16 0.43 0.00	55.21 0.11 0.00	47.56 0.00 0.00	44.70 -0.13 0.00
WETHRSFD_WT_PWR 323626	48.05 -1.64 0.00	46.14 -1.67 0.00	43.16 -1.66 0.00	42.34 -1.77 0.00	43.29 -1.85 0.00	42.93 -2.02 0.00	45.42 -1.65 0.00	48.22 -1.80 0.00	48.09 -2.48 0.00	44.31 -2.63 0.00	42.41 -2.80 0.00	41.31 -2.45 0.00	39.64 -1.61 0.00	38.20 -1.84 0.00	38.03 -1.42 0.00	37.12 -1.43 0.00	40.32 -1.08 0.00	45.94 -2.06 0.00	50.54 -2.32 0.00	55.09 -2.05 0.00	59.50 -2.22 0.00	52.95 -2.15 0.00	45.66 -1.90 0.00	42.86 -1.97 0.00
WHAVSTOR_138KV_BK127 55557	51.58 1.89 0.00	49.58 1.77 0.00	46.43 1.61 0.00	45.74 1.63 0.00	46.82 1.67 0.00	46.66 1.71 0.00	49.04 1.98 0.00	52.32 2.30 0.00	53.05 2.48 0.00	49.33 2.39 0.00	47.61 2.40 0.00	46.03 2.28 0.00	43.36 2.10 0.00	42.08 2.04 0.00	41.54 2.09 0.00	40.63 2.08 0.00	43.51 2.11 0.00	50.64 2.64 0.00	55.51 2.64 0.00	60.34 3.20 0.00	65.06 3.33 0.00	57.58 2.48 0.00	49.80 2.24 0.00	46.98 2.15 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	51.58 1.89 0.00	49.58 1.77 0.00	46.43 1.61 0.00	45.74 1.63 0.00	46.82 1.67 0.00	46.66 1.71 0.00	49.04 1.98 0.00	52.32 2.30 0.00	53.05 2.48 0.00	49.33 2.39 0.00	47.61 2.40 0.00	46.03 2.28 0.00	43.36 2.10 0.00	42.08 2.04 0.00	41.54 2.09 0.00	40.63 2.08 0.00	43.51 2.11 0.00	50.64 2.64 0.00	55.51 2.64 0.00	60.34 3.20 0.00	65.06 3.33 0.00	57.58 2.48 0.00	49.80 2.24 0.00	46.98 2.15 0.00
WHITEHAL_115KV_TB1 80871	53.12 3.43 0.00	51.06 3.25 0.00	47.68 2.87 0.00	46.97 2.87 0.00	48.17 3.02 0.00	48.05 3.10 0.00	50.17 3.11 0.00	53.22 3.20 0.00	53.81 3.24 0.00	49.85 2.91 0.00	47.98 2.76 0.00	46.34 2.58 0.00	43.36 2.10 0.00	42.04 2.00 0.00	41.50 2.05 0.00	40.36 1.81 0.00	43.51 2.11 0.00	50.98 2.98 0.00	56.78 3.91 0.00	62.12 4.97 0.00	66.97 5.25 0.00	59.01 3.91 0.00	50.85 3.28 0.00	47.97 3.14 0.00
WHITEPLN_13_KV_LOAD 356215	52.47 2.78 0.00	50.44 2.63 0.00	47.15 2.33 0.00	46.49 2.38 0.00	47.49 2.35 0.00	47.33 2.38 0.00	49.80 2.73 0.00	53.07 3.05 0.00	53.81 3.24 0.00	50.04 3.10 0.00	48.29 3.07 0.00	46.78 3.02 0.00	43.98 2.72 0.00	42.72 2.68 0.00	42.17 2.72 0.00	41.24 2.70 0.00	44.21 2.82 0.00	51.46 3.46 0.00	56.46 3.59 0.00	61.43 4.29 0.00	66.23 4.51 0.00	58.57 3.47 0.00	50.61 3.04 0.00	47.70 2.87 0.00
WM_FLOYD_69_KV_BK2 356380	51.58 1.89 0.00	49.44 1.63 0.00	46.47 1.66 0.00	45.83 1.72 0.00	46.68 1.53 0.00	46.53 1.57 0.00	48.62 1.55 0.00	51.92 1.90 0.00	52.18 1.62 0.00	49.23 2.30 0.00	47.25 2.03 0.00	45.86 2.10 0.00	43.36 2.10 0.00	42.12 2.08 0.00	41.86 2.41 0.00	41.05 2.51 0.00	43.96 2.57 0.00	50.69 2.69 0.00	55.87 3.01 0.00	60.74 3.60 0.00	65.43 3.70 0.00	57.74 2.64 0.00	49.99 2.43 0.00	47.47 2.64 0.00
WOODARD__115KV_TB2 355635	49.24 -0.45 0.00	47.38 -0.43 0.00	44.37 -0.45 0.00	43.66 -0.44 0.00	44.74 -0.41 0.00	44.55 -0.40 0.00	46.69 -0.38 0.00	49.67 -0.35 0.00	50.16 -0.40 0.00	46.47 -0.47 0.00	44.67 -0.54 0.00	43.23 -0.53 0.00	40.88 -0.37 0.00	39.64 -0.40 0.00	39.02 -0.43 0.00	38.20 -0.35 0.00	41.15 -0.25 0.00	47.62 -0.38 0.00	52.49 -0.37 0.00	56.92 -0.23 0.00	61.48 -0.25 0.00	54.66 -0.44 0.00	47.14 -0.43 0.00	44.29 -0.54 0.00
YORK___WARBASSE 23770	52.83 3.13 -0.01	50.73 2.92 -0.01	49.83 2.87 -2.15	49.83 2.91 -2.81	50.55 2.89 -2.51	50.55 2.97 -2.63	51.01 3.29 -0.65	53.63 3.60 -0.01	54.32 3.74 -0.01	53.97 3.66 -3.37	52.72 3.62 -3.89	51.79 3.46 -4.58	51.99 3.22 -7.52	50.91 3.12 -7.75	51.04 3.16 -8.43	51.16 3.12 -9.49	51.19 3.23 -6.56	54.84 4.03 -2.81	57.05 4.18 -0.01	62.07 4.91 -0.01	66.92 5.18 -0.01	59.13 4.02 -0.01	51.46 3.52 -0.37	50.77 3.32 -2.62