

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

10/31/2021

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	50.25	46.88	46.52	44.61	45.80	46.63	46.57	42.89	44.35	45.13	45.21	45.38	45.15	45.52	41.16	44.73	49.12	65.20	50.39	48.12	46.98	42.12	42.98	48.84
24138	1.84	3.12	2.42	2.12	2.22	1.95	1.78	2.29	2.78	3.73	3.26	3.95	3.58	4.04	2.13	0.34	0.33	-0.10	0.54	1.89	1.89	0.29	-0.12	0.51
	-27.44	-5.04	-13.78	-15.47	-13.68	-19.22	-22.39	-13.85	-9.02	0.00	-7.25	-0.66	-5.29	0.00	-17.96	-41.16	-45.47	-66.28	-44.98	-28.29	-26.98	-39.03	-44.29	-43.10
74TH STREET_GT_1	50.32	46.95	46.59	44.66	45.85	46.70	46.65	42.96	44.43	45.23	45.31	45.47	45.24	45.61	41.24	44.79	49.18	65.29	50.46	48.18	47.05	42.18	43.04	48.91
24260	1.86	3.18	2.48	2.16	2.26	1.99	1.83	2.34	2.85	3.82	3.35	4.04	3.67	4.13	2.18	0.34	0.34	-0.10	0.55	1.92	1.93	0.30	-0.13	0.52
	-27.48	-5.05	-13.79	-15.49	-13.70	-19.25	-22.42	-13.87	-9.03	0.00	-7.26	-0.66	-5.29	0.00	-17.99	-41.21	-45.53	-66.37	-45.04	-28.33	-27.02	-39.08	-44.35	-43.16
74TH STREET_GT_2	50.32	46.95	46.59	44.66	45.85	46.70	46.65	42.96	44.43	45.23	45.31	45.47	45.24	45.61	41.24	44.79	49.18	65.29	50.46	48.18	47.05	42.18	43.04	48.91
24261	1.86	3.18	2.48	2.16	2.26	1.99	1.83	2.34	2.85	3.82	3.35	4.04	3.67	4.13	2.18	0.34	0.34	-0.10	0.55	1.92	1.93	0.30	-0.13	0.52
	-27.48	-5.05	-13.79	-15.49	-13.70	-19.25	-22.42	-13.87	-9.03	0.00	-7.26	-0.66	-5.29	0.00	-17.99	-41.21	-45.53	-66.37	-45.04	-28.33	-27.02	-39.08	-44.35	-43.16
ADK HUDSON__FALLS	61.72	48.22	51.85	50.75	51.23	54.42	55.80	48.18	47.73	43.81	47.23	44.21	46.11	44.03	48.18	62.54	68.95	94.12	69.79	59.77	58.03	59.02	62.34	67.45
24011	1.34	2.27	1.75	1.52	1.69	1.35	1.26	1.55	2.23	2.41	2.12	2.49	2.24	2.55	1.31	0.21	0.23	-0.07	0.33	1.21	1.18	0.18	-0.07	0.33
	-39.40	-7.24	-19.78	-22.22	-19.65	-27.60	-32.14	-19.89	-12.96	0.00	-10.41	-0.95	-7.59	0.00	-25.79	-59.09	-65.40	-95.17	-64.58	-40.63	-38.74	-56.04	-63.59	-61.89
ADK RESOURCE__RCVRY	61.90	48.40	51.97	50.85	51.34	54.51	55.95	48.34	47.95	44.00	47.42	44.41	46.29	44.22	48.30	62.62	69.04	94.22	69.88	59.92	58.15	59.10	62.40	67.53
23798	1.48	2.43	1.85	1.59	1.78	1.42	1.37	1.69	2.43	2.60	2.30	2.69	2.41	2.73	1.41	0.23	0.26	-0.08	0.36	1.32	1.26	0.20	-0.08	0.34
	-39.44	-7.24	-19.80	-22.24	-19.67	-27.63	-32.18	-19.91	-12.97	0.00	-10.42	-0.95	-7.60	0.00	-25.82	-59.16	-65.48	-95.27	-64.65	-40.67	-38.78	-56.10	-63.66	-61.96
ADK S GLENS__FALLS	61.72	48.22	51.85	50.75	51.23	54.42	55.80	48.18	47.73	43.81	47.23	44.21	46.11	44.03	48.18	62.54	68.95	94.12	69.79	59.77	58.03	59.02	62.34	67.45
24028	1.34	2.27	1.75	1.52	1.69	1.35	1.26	1.55	2.23	2.41	2.12	2.49	2.24	2.55	1.31	0.21	0.23	-0.07	0.33	1.21	1.18	0.18	-0.07	0.33
	-39.40	-7.24	-19.78	-22.22	-19.65	-27.60	-32.14	-19.89	-12.96	0.00	-10.41	-0.95	-7.59	0.00	-25.79	-59.09	-65.40	-95.17	-64.58	-40.63	-38.74	-56.04	-63.59	-61.89
ADK_NYS__DAM	59.64	48.34	51.25	49.99	50.68	53.38	54.30	47.36	47.16	44.16	46.90	44.43	45.86	44.30	46.83	59.07	65.08	88.50	65.99	57.49	55.93	55.73	58.56	63.90
23527	1.59	2.80	2.32	2.07	2.30	1.95	1.65	1.90	2.42	2.76	2.41	2.77	2.44	2.82	1.49	0.23	0.24	-0.07	0.35	1.33	1.37	0.21	-0.10	0.44
	-37.08	-6.81	-18.61	-20.91	-18.49	-25.97	-30.24	-18.71	-12.19	0.00	-9.79	-0.89	-7.14	0.00	-24.27	-55.61	-61.53	-89.55	-60.77	-38.23	-36.45	-52.73	-59.84	-58.24
AIR_PRODUCTS__DRP	58.33	47.04	49.91	48.72	49.36	52.04	53.03	46.07	45.68	42.76	45.54	43.07	44.63	43.07	45.80	58.09	63.91	87.13	64.89	56.29	54.73	54.82	57.67	62.78
24190	0.86	1.61	1.26	1.13	1.27	1.01	0.85	0.91	1.13	1.36	1.21	1.43	1.33	1.58	0.84	0.13	0.13	-0.04	0.19	0.73	0.74	0.11	-0.05	0.23
	-36.50	-6.70	-18.32	-20.58	-18.20	-25.56	-29.77	-18.42	-12.00	0.00	-9.64	-0.88	-7.03	0.00	-23.89	-54.74	-60.48	-88.15	-59.82	-37.63	-35.88	-51.90	-58.90	-57.32
ALBANY__1	58.33	47.04	49.91	48.72	49.36	52.04	53.03	46.07	45.68	42.76	45.54	43.07	44.63	43.07	45.80	58.09	63.91	87.13	64.89	56.29	54.73	54.82	57.67	62.78
23571	0.86	1.61	1.26	1.13	1.27	1.01	0.85	0.91	1.13	1.36	1.21	1.43	1.33	1.58	0.84	0.13	0.13	-0.04	0.19	0.73	0.74	0.11	-0.05	0.23
	-36.50	-6.70	-18.32	-20.58	-18.20	-25.56	-29.77	-18.42	-12.00	0.00	-9.64	-0.88	-7.03	0.00	-23.89	-54.74	-60.48	-88.15	-59.82	-37.63	-35.88	-51.90	-58.90	-57.32
ALBANY__2	58.33	47.04	49.91	48.72	49.36	52.04	53.03	46.07	45.68	42.76	45.54	43.07	44.63	43.07	45.80	58.09	63.91	87.13	64.89	56.29	54.73	54.82	57.67	62.78
23572	0.86	1.61	1.26	1.13	1.27	1.01	0.85	0.91	1.13	1.36	1.21	1.43	1.33	1.58	0.84	0.13	0.13	-0.04	0.19	0.73	0.74	0.11	-0.05	0.23
	-36.50	-6.70	-18.32	-20.58	-18.20	-25.56	-29.77	-18.42	-12.00	0.00	-9.64	-0.88	-7.03	0.00	-23.89	-54.74	-60.48	-88.15	-59.82	-37.63	-35.88	-51.90	-58.90	-57.32
ALBANY__3	58.33	47.04	49.91	48.72	49.36	52.04	53.03	46.07	45.68	42.76	45.54	43.07	44.63	43.07	45.80	58.09	63.91	87.13	64.89	56.29	54.73	54.82	57.67	62.78
23573	0.86	1.61	1.26	1.13	1.27	1.01	0.85	0.91	1.13	1.36	1.21	1.43	1.33	1.58	0.84	0.13	0.13	-0.04	0.19	0.73	0.74	0.11	-0.05	0.23
	-36.50	-6.70	-18.32	-20.58	-18.20	-25.56	-29.77	-18.42	-12.00	0.00	-9.64	-0.88	-7.03	0.00	-23.89	-54.74	-60.48	-88.15	-59.82	-37.63	-35.88	-51.90	-58.90	-57.32
ALBANY__4	58.33	47.04	49.91	48.72	49.36	52.04	53.03	46.07	45.68	42.76	45.54	43.07	44.63	43.07	45.80	58.09	63.91	87.13	64.89	56.29	54.73	54.82	57.67	62.78
23574	0.86	1.61	1.26	1.13	1.27	1.01	0.85	0.91	1.13	1.36	1.21	1.43	1.33	1.58	0.84	0.13	0.13	-0.04	0.19	0.73	0.74	0.11	-0.05	0.23
	-36.50	-6.70	-18.32	-20.58	-18.20	-25.56	-29.77	-18.42	-12.00	0.00	-9.64	-0.88	-7.03	0.00	-23.89	-54.74	-60.48	-88.15	-59.82	-37.63	-35.88	-51.90	-58.90	-57.32



ALBANY___LFGE 323615	59.37 1.07 -37.33	47.55 1.97 -6.86	50.60 1.54 -18.74	49.43 1.37 -21.05	50.04 1.54 -18.61	52.86 1.25 -26.15	53.92 1.07 -30.45	46.78 1.20 -18.84	46.33 1.50 -12.27	43.22 1.82 0.00	46.15 1.60 -9.86	43.57 1.90 -0.90	45.22 1.75 -7.19	43.54 2.06 0.00	46.58 1.08 -24.44	59.38 0.16 -55.99	65.33 0.17 -61.86	89.13 -0.05 -90.17	66.31 0.25 -61.19	57.37 0.95 -38.49	55.76 0.95 -36.71	56.04 0.15 -53.09	59.01 -0.06 -60.25	64.14 0.28 -58.63
ALCOA_RYNLDS___DRP 24188	20.55 -0.43 0.00	38.10 -0.62 0.00	29.85 -0.47 0.00	26.60 -0.41 0.00	29.43 -0.46 0.00	25.08 -0.38 0.00	22.08 -0.32 0.00	26.34 -0.40 0.00	31.98 -0.57 0.00	40.66 -0.74 0.00	33.95 -0.75 0.00	39.79 -0.98 0.00	35.36 -0.92 0.00	40.43 -1.06 0.00	20.52 -0.55 0.00	3.13 -0.11 0.00	-0.03 0.03 3.24	-0.95 0.03 0.00	4.72 -0.15 0.00	17.33 -0.60 0.00	17.52 -0.58 0.00	2.72 -0.08 0.00	-1.14 0.04 0.00	4.84 -0.16 0.23
ALCOA___DSASP 323711	20.55 -0.43 0.00	38.10 -0.62 0.00	29.85 -0.47 0.00	26.60 -0.41 0.00	29.43 -0.46 0.00	25.08 -0.38 0.00	22.08 -0.32 0.00	26.34 -0.40 0.00	31.98 -0.57 0.00	40.66 -0.74 0.00	33.95 -0.75 0.00	39.79 -0.98 0.00	35.36 -0.92 0.00	40.43 -1.06 0.00	20.52 -0.55 0.00	3.13 -0.11 0.00	-0.03 0.03 3.24	-0.95 0.03 0.00	4.72 -0.15 0.00	17.33 -0.60 0.00	17.52 -0.58 0.00	2.72 -0.08 0.00	-1.14 0.04 0.00	4.84 -0.16 0.23
ALLEGHENY___COGEN 23514	26.38 0.69 -4.71	40.51 0.92 -0.87	33.41 0.72 -2.37	30.23 0.56 -2.66	32.89 0.64 -2.35	29.46 0.69 -3.30	26.87 0.62 -3.84	29.82 0.70 -2.38	35.00 0.90 -1.55	42.80 1.40 0.00	37.25 1.31 -1.25	42.56 1.68 -0.11	38.82 1.64 -0.91	43.18 1.69 0.00	24.82 0.66 -3.09	10.45 0.15 -7.07	11.25 0.13 -7.81	10.36 0.16 -11.38	12.76 0.77 -7.72	23.55 0.78 -4.86	23.51 0.10 -4.64	9.60 0.10 -6.70	6.37 -0.05 -7.61	12.83 0.21 -7.40
ALTONA_WT_PWR 323606	20.91 -0.06 0.00	38.74 0.02 0.00	30.32 0.00 0.00	27.03 0.02 0.00	29.96 0.07 0.00	25.58 0.11 0.00	22.56 0.15 0.00	26.90 0.15 0.00	32.68 0.12 0.00	41.38 -0.02 0.00	34.57 -0.13 0.00	40.25 -0.52 0.00	35.69 -0.58 0.00	40.73 -0.76 0.00	20.40 -0.67 0.00	3.05 -0.18 0.00	-0.23 -0.18 3.35	-0.93 0.05 0.00	4.58 -0.30 0.00	16.78 -1.15 0.00	16.96 -1.14 0.00	2.66 -0.14 0.00	-1.11 0.07 0.00	4.64 -0.34 0.24
AMERICAN_REF_FUEL 24010	23.99 -1.26 -4.27	36.75 -2.75 -0.77	30.41 -2.04 -2.13	27.58 -1.82 -2.39	30.12 -1.89 -2.12	26.96 -1.49 -2.98	24.46 -1.42 -3.47	26.86 -2.02 -2.14	31.34 -2.60 -1.39	38.40 -3.01 0.00	33.52 -2.29 -1.12	38.53 -2.34 -0.10	35.18 -1.92 -0.82	38.75 -2.73 0.01	22.33 -1.53 -2.79	9.49 -0.14 -6.40	10.17 -0.18 -7.04	9.35 0.06 -10.28	11.58 -0.31 -7.02	21.45 -0.89 -4.40	21.37 -0.93 -4.20	8.70 -0.17 -6.08	5.70 0.04 -6.84	11.68 -0.19 -6.64
ARKWRIGHT___SUMMIT_WT_PWR 323751	25.98 0.37 -4.64	39.89 0.32 -0.85	32.91 0.27 -2.32	29.82 0.20 -2.61	32.22 0.02 -2.31	28.79 0.07 -3.25	26.17 -0.01 -3.78	28.89 -0.19 -2.34	33.85 -0.22 -1.52	41.32 -0.09 0.00	36.05 0.13 -1.22	41.42 0.54 -0.11	37.81 0.64 -0.89	41.86 0.37 -0.01	23.93 -0.17 -3.03	10.18 -0.01 -6.95	10.95 -0.04 -7.68	10.24 0.03 -11.19	12.38 -0.10 -7.60	22.70 -0.01 -4.78	22.68 0.02 -4.56	9.37 -0.02 -6.59	6.27 -0.02 -7.48	12.58 0.08 -7.28
ARTHUR_KILL_GT_1 23520	50.18 1.73 -27.48	46.75 2.98 -5.05	46.44 2.33 -13.79	44.54 2.03 -15.49	45.69 2.09 -13.70	46.56 1.84 -19.25	46.50 1.68 -22.42	42.77 2.16 -13.87	44.16 2.57 -9.03	44.89 3.49 0.00	45.01 3.06 -7.26	45.08 3.65 -0.66	44.89 3.32 -5.29	45.25 3.77 0.00	41.05 1.99 -17.99	44.76 0.32 -41.21	49.16 0.31 -45.53	65.29 -0.10 -66.37	50.42 0.51 -45.04	48.02 1.76 -28.33	46.89 1.77 -27.02	42.15 0.27 -39.08	43.05 -0.12 -44.35	48.86 0.48 -43.16
ARTHUR_KILL_2 23512	50.12 1.67 -27.48	46.66 2.89 -5.05	46.38 2.26 -13.79	44.47 1.97 -15.49	45.62 2.02 -13.70	46.50 1.79 -19.25	46.45 1.63 -22.42	42.70 2.09 -13.87	44.09 2.50 -9.03	44.78 3.38 0.00	44.93 2.97 -7.26	44.97 3.54 -0.66	44.80 3.23 -5.29	45.16 3.67 0.00	41.00 1.94 -17.99	44.75 0.31 -41.21	49.15 0.30 -45.53	65.30 -0.09 -66.37	50.41 0.50 -45.04	47.97 1.71 -28.33	46.84 1.72 -27.02	42.15 0.27 -39.08	43.05 -0.11 -44.35	48.85 0.47 -43.16
ARTHUR_KILL_3 23513	50.15 1.72 -27.46	46.69 2.92 -5.04	46.38 2.28 -13.78	44.47 1.98 -15.48	45.64 2.06 -13.69	46.51 1.81 -19.23	46.45 1.65 -22.40	42.75 2.15 -13.86	44.16 2.58 -9.03	44.90 3.49 0.00	44.98 3.03 -7.25	45.13 3.70 -0.66	44.95 3.38 -5.29	45.28 3.79 0.00	41.05 2.01 -17.98	44.73 0.32 -41.18	49.12 0.31 -45.50	65.25 -0.09 -66.32	50.39 0.51 -45.00	48.02 1.78 -28.31	46.88 1.78 -27.00	42.12 0.27 -39.05	43.02 -0.12 -44.32	48.83 0.48 -43.13
ARTHUR_KILL_COGEN 323718	50.18 1.73 -27.48	46.75 2.98 -5.05	46.44 2.33 -13.79	44.54 2.03 -15.49	45.69 2.09 -13.70	46.56 1.84 -19.25	46.50 1.68 -22.42	42.77 2.16 -13.87	44.16 2.57 -9.03	44.89 3.49 0.00	45.01 3.06 -7.26	45.08 3.65 -0.66	44.89 3.32 -5.29	45.25 3.77 0.00	41.05 1.99 -17.99	44.76 0.32 -41.21	49.16 0.31 -45.53	65.29 -0.10 -66.37	50.42 0.51 -45.04	48.02 1.76 -28.33	46.89 1.77 -27.02	42.15 0.27 -39.08	43.05 -0.12 -44.35	48.86 0.48 -43.16
ASHOKAN____ 23654	50.98 1.00 -29.00	45.69 1.64 -5.33	46.12 1.25 -14.56	44.46 1.10 -16.35	45.56 1.21 -14.46	46.76 0.97 -20.31	46.97 0.91 -23.66	42.57 1.19 -14.64	43.62 1.53 -9.53	43.43 2.03 0.00	44.10 1.75 -7.66	43.45 1.98 -0.70	43.63 1.77 -5.59	43.72 2.23 0.00	41.25 1.19 -18.99	46.92 0.19 -43.49	51.55 0.19 -48.05	69.01 -0.06 -70.05	52.71 0.31 -47.54	48.94 1.11 -29.90	47.73 1.11 -28.52	44.21 0.17 -41.24	45.56 -0.07 -46.81	51.06 0.29 -45.55
ASTORIA_EAST_ENERGY_CC1 323581	50.03 1.58 -27.48	46.44 2.68 -5.04	46.20 2.09 -13.78	44.40 1.89 -15.49	45.47 1.88 -13.70	46.35 1.64 -19.24	46.39 1.57 -22.41	42.68 2.07 -13.87	44.06 2.48 -9.03	44.76 3.36 0.00	44.87 2.92 -7.26	44.91 3.48 -0.65	44.74 3.17 -5.29	45.10 3.62 0.00	41.02 1.96 -17.99	44.74 0.30 -41.21	49.15 0.30 -45.53	65.30 -0.09 -66.37	50.40 0.49 -45.04	47.96 1.70 -28.33	46.88 1.76 -27.02	42.16 0.28 -39.08	43.06 -0.11 -44.35	48.86 0.48 -43.16
ASTORIA_EAST_ENERGY_CC2 323582	50.03 1.58 -27.48	46.44 2.68 -5.04	46.20 2.09 -13.78	44.39 1.89 -15.49	45.47 1.88 -13.70	46.35 1.64 -19.24	46.39 1.57 -22.41	42.67 2.06 -13.87	44.06 2.48 -9.03	44.76 3.36 0.00	44.87 2.92 -7.26	44.91 3.48 -0.65	44.74 3.17 -5.29	45.10 3.62 0.00	41.02 1.96 -17.99	44.74 0.30 -41.21	49.15 0.30 -45.53	65.30 -0.09 -66.37	50.40 0.49 -45.04	47.96 1.70 -28.33	46.88 1.76 -27.02	42.16 0.28 -39.08	43.06 -0.11 -44.35	48.86 0.48 -43.16
ASTORIA_GT2_I 24094	50.04 1.59 -27.48	46.46 2.70 -5.04	46.21 2.11 -13.78	44.40 1.90 -15.49	45.47 1.88 -13.70	46.36 1.66 -19.24	46.40 1.58 -22.41	42.68 2.07 -13.87	44.08 2.50 -9.03	44.78 3.38 0.00	44.88 2.93 -7.26	44.94 3.51 -0.65	44.76 3.19 -5.29	45.11 3.63 0.00	41.02 1.97 -17.99	44.74 0.30 -41.21	49.15 0.31 -45.53	65.30 -0.09 -66.37	50.40 0.49 -45.04	47.98 1.71 -28.33	46.89 1.76 -27.02	42.16 0.28 -39.08	43.06 -0.11 -44.35	48.87 0.48 -43.16



Astoria_GT2_2 24095	50.04 1.59 -27.48	46.46 2.70 -5.04	46.21 2.11 -13.78	44.40 1.90 -15.49	45.47 1.88 -13.70	46.36 1.66 -19.24	46.40 1.58 -22.41	42.68 2.07 -13.87	44.08 2.50 -9.03	44.78 3.38 0.00	44.88 2.93 -7.26	44.94 3.51 -0.65	44.76 3.19 -5.29	45.11 3.63 0.00	41.02 1.97 -17.99	44.74 0.30 -41.21	49.15 0.31 -45.53	65.30 -0.09 -66.37	50.40 0.49 -45.04	47.98 1.71 -28.33	46.89 1.76 -27.02	42.16 0.28 -39.08	43.06 -0.11 -44.35	48.87 0.48 -43.16
Astoria_GT2_3 24096	50.04 1.59 -27.48	46.46 2.70 -5.04	46.21 2.11 -13.78	44.40 1.90 -15.49	45.47 1.88 -13.70	46.36 1.66 -19.24	46.40 1.58 -22.41	42.68 2.07 -13.87	44.08 2.50 -9.03	44.78 3.38 0.00	44.88 2.93 -7.26	44.94 3.51 -0.65	44.76 3.19 -5.29	45.11 3.63 0.00	41.02 1.97 -17.99	44.74 0.30 -41.21	49.15 0.31 -45.53	65.30 -0.09 -66.37	50.40 0.49 -45.04	47.98 1.71 -28.33	46.89 1.76 -27.02	42.16 0.28 -39.08	43.06 -0.11 -44.35	48.87 0.48 -43.16
Astoria_GT2_4 24097	50.04 1.59 -27.48	46.46 2.70 -5.04	46.21 2.11 -13.78	44.40 1.90 -15.49	45.47 1.88 -13.70	46.36 1.66 -19.24	46.40 1.58 -22.41	42.68 2.07 -13.87	44.08 2.50 -9.03	44.78 3.38 0.00	44.88 2.93 -7.26	44.94 3.51 -0.65	44.76 3.19 -5.29	45.11 3.63 0.00	41.02 1.97 -17.99	44.74 0.30 -41.21	49.15 0.31 -45.53	65.30 -0.09 -66.37	50.40 0.49 -45.04	47.98 1.71 -28.33	46.89 1.76 -27.02	42.16 0.28 -39.08	43.06 -0.11 -44.35	48.87 0.48 -43.16
Astoria_GT3_1 24098	50.04 1.59 -27.48	46.46 2.70 -5.04	46.21 2.11 -13.78	44.40 1.90 -15.49	45.47 1.88 -13.70	46.36 1.66 -19.24	46.40 1.58 -22.41	42.68 2.07 -13.87	44.08 2.50 -9.03	44.78 3.38 0.00	44.88 2.93 -7.26	44.94 3.51 -0.65	44.76 3.19 -5.29	45.11 3.63 0.00	41.02 1.97 -17.99	44.74 0.30 -41.21	49.15 0.31 -45.53	65.30 -0.09 -66.37	50.40 0.49 -45.04	47.98 1.71 -28.33	46.89 1.76 -27.02	42.16 0.28 -39.08	43.06 -0.11 -44.35	48.87 0.48 -43.16
Astoria_GT3_2 24099	50.04 1.59 -27.48	46.46 2.70 -5.04	46.21 2.11 -13.78	44.40 1.90 -15.49	45.47 1.88 -13.70	46.36 1.66 -19.24	46.40 1.58 -22.41	42.68 2.07 -13.87	44.08 2.50 -9.03	44.78 3.38 0.00	44.88 2.93 -7.26	44.94 3.51 -0.65	44.76 3.19 -5.29	45.11 3.63 0.00	41.02 1.97 -17.99	44.74 0.30 -41.21	49.15 0.31 -45.53	65.30 -0.09 -66.37	50.40 0.49 -45.04	47.98 1.71 -28.33	46.89 1.76 -27.02	42.16 0.28 -39.08	43.06 -0.11 -44.35	48.87 0.48 -43.16
Astoria_GT3_3 24100	50.04 1.59 -27.48	46.46 2.70 -5.04	46.21 2.11 -13.78	44.40 1.90 -15.49	45.47 1.88 -13.70	46.36 1.66 -19.24	46.40 1.58 -22.41	42.68 2.07 -13.87	44.08 2.50 -9.03	44.78 3.38 0.00	44.88 2.93 -7.26	44.94 3.51 -0.65	44.76 3.19 -5.29	45.11 3.63 0.00	41.02 1.97 -17.99	44.74 0.30 -41.21	49.15 0.31 -45.53	65.30 -0.09 -66.37	50.40 0.49 -45.04	47.98 1.71 -28.33	46.89 1.76 -27.02	42.16 0.28 -39.08	43.06 -0.11 -44.35	48.87 0.48 -43.16
Astoria_GT3_4 24101	50.04 1.59 -27.48	46.46 2.70 -5.04	46.21 2.11 -13.78	44.40 1.90 -15.49	45.47 1.88 -13.70	46.36 1.66 -19.24	46.40 1.58 -22.41	42.68 2.07 -13.87	44.08 2.50 -9.03	44.78 3.38 0.00	44.88 2.93 -7.26	44.94 3.51 -0.65	44.76 3.19 -5.29	45.11 3.63 0.00	41.02 1.97 -17.99	44.74 0.30 -41.21	49.15 0.31 -45.53	65.30 -0.09 -66.37	50.40 0.49 -45.04	47.98 1.71 -28.33	46.89 1.76 -27.02	42.16 0.28 -39.08	43.06 -0.11 -44.35	48.87 0.48 -43.16
Astoria_GT4_1 24102	50.04 1.59 -27.48	46.46 2.70 -5.04	46.21 2.11 -13.78	44.40 1.90 -15.49	45.47 1.88 -13.70	46.36 1.66 -19.24	46.40 1.58 -22.41	42.68 2.07 -13.87	44.08 2.50 -9.03	44.78 3.38 0.00	44.88 2.93 -7.26	44.94 3.51 -0.65	44.76 3.19 -5.29	45.11 3.63 0.00	41.02 1.97 -17.99	44.74 0.30 -41.21	49.15 0.31 -45.53	65.30 -0.09 -66.37	50.40 0.49 -45.04	47.98 1.71 -28.33	46.89 1.76 -27.02	42.16 0.28 -39.08	43.06 -0.11 -44.35	48.87 0.48 -43.16
Astoria_GT4_2 24103	50.04 1.59 -27.48	46.46 2.70 -5.04	46.21 2.11 -13.78	44.40 1.90 -15.49	45.47 1.88 -13.70	46.36 1.66 -19.24	46.40 1.58 -22.41	42.68 2.07 -13.87	44.08 2.50 -9.03	44.78 3.38 0.00	44.88 2.93 -7.26	44.94 3.51 -0.65	44.76 3.19 -5.29	45.11 3.63 0.00	41.02 1.97 -17.99	44.74 0.30 -41.21	49.15 0.31 -45.53	65.30 -0.09 -66.37	50.40 0.49 -45.04	47.98 1.71 -28.33	46.89 1.76 -27.02	42.16 0.28 -39.08	43.06 -0.11 -44.35	48.87 0.48 -43.16
Astoria_GT4_3 24104	50.04 1.59 -27.48	46.46 2.70 -5.04	46.21 2.11 -13.78	44.40 1.90 -15.49	45.47 1.88 -13.70	46.36 1.66 -19.24	46.40 1.58 -22.41	42.68 2.07 -13.87	44.08 2.50 -9.03	44.78 3.38 0.00	44.88 2.93 -7.26	44.94 3.51 -0.65	44.76 3.19 -5.29	45.11 3.63 0.00	41.02 1.97 -17.99	44.74 0.30 -41.21	49.15 0.31 -45.53	65.30 -0.09 -66.37	50.40 0.49 -45.04	47.98 1.71 -28.33	46.89 1.76 -27.02	42.16 0.28 -39.08	43.06 -0.11 -44.35	48.87 0.48 -43.16
Astoria_GT4_4 24105	50.04 1.59 -27.48	46.46 2.70 -5.04	46.21 2.11 -13.78	44.40 1.90 -15.49	45.47 1.88 -13.70	46.36 1.66 -19.24	46.40 1.58 -22.41	42.68 2.07 -13.87	44.08 2.50 -9.03	44.78 3.38 0.00	44.88 2.93 -7.26	44.94 3.51 -0.65	44.76 3.19 -5.29	45.11 3.63 0.00	41.02 1.97 -17.99	44.74 0.30 -41.21	49.15 0.31 -45.53	65.30 -0.09 -66.37	50.40 0.49 -45.04	47.98 1.71 -28.33	46.89 1.76 -27.02	42.16 0.28 -39.08	43.06 -0.11 -44.35	48.87 0.48 -43.16
Astoria_GT_1 23523	50.07 1.62 -27.48	46.53 2.77 -5.04	46.26 2.15 -13.78	44.44 1.94 -15.49	45.53 1.94 -13.70	46.41 1.69 -19.24	46.43 1.62 -22.41	42.73 2.12 -13.87	44.13 2.55 -9.03	44.85 3.45 0.00	44.95 3.00 -7.26	45.01 3.58 -0.65	44.82 3.26 -5.29	45.19 3.71 0.00	41.07 2.01 -17.99	44.75 0.31 -41.21	49.16 0.31 -45.53	65.29 -0.09 -66.37	50.41 0.50 -45.04	48.01 1.75 -28.33	46.92 1.80 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.88 0.49 -43.16
Astoria_GT_10 24110	50.16 1.70 -27.48	46.68 2.91 -5.05	46.39 2.28 -13.79	44.51 2.00 -15.49	45.66 2.06 -13.70	46.52 1.80 -19.25	46.54 1.72 -22.42	42.82 2.21 -13.87	44.26 2.68 -9.03	45.00 3.60 0.00	45.12 3.16 -7.26	45.23 3.80 -0.66	45.03 3.46 -5.29	45.34 3.85 0.00	41.11 2.06 -17.99	44.77 0.32 -41.21	49.16 0.32 -45.53	65.29 -0.10 -66.37	50.43 0.51 -45.04	48.06 1.80 -28.33	46.94 1.82 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.50 -43.16
Astoria_GT_11 24225	50.16 1.70 -27.48	46.68 2.91 -5.05	46.39 2.28 -13.79	44.51 2.00 -15.49	45.66 2.06 -13.70	46.52 1.80 -19.25	46.54 1.72 -22.42	42.82 2.21 -13.87	44.26 2.68 -9.03	45.00 3.60 0.00	45.12 3.16 -7.26	45.23 3.80 -0.66	45.03 3.46 -5.29	45.34 3.85 0.00	41.11 2.06 -17.99	44.77 0.32 -41.21	49.16 0.32 -45.53	65.29 -0.10 -66.37	50.43 0.51 -45.04	48.06 1.80 -28.33	46.94 1.82 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.50 -43.16
Astoria_GT_12 24226	50.16 1.70 -27.48	46.68 2.91 -5.05	46.39 2.28 -13.79	44.51 2.00 -15.49	45.66 2.06 -13.70	46.52 1.80 -19.25	46.54 1.72 -22.42	42.82 2.21 -13.87	44.26 2.68 -9.03	45.00 3.60 0.00	45.12 3.16 -7.26	45.23 3.80 -0.66	45.03 3.46 -5.29	45.34 3.85 0.00	41.11 2.06 -17.99	44.77 0.32 -41.21	49.16 0.32 -45.53	65.29 -0.10 -66.37	50.43 0.51 -45.04	48.06 1.80 -28.33	46.94 1.82 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.50 -43.16



ASTORIA_GT_13 24227	50.16 1.70 -27.48	46.68 2.91 -5.05	46.39 2.28 -13.79	44.51 2.00 -15.49	45.66 2.06 -13.70	46.52 1.80 -19.25	46.54 1.72 -22.42	42.82 2.21 -13.87	44.26 2.68 -9.03	45.00 3.60 0.00	45.12 3.16 -7.26	45.23 3.80 -0.66	45.03 3.46 -5.29	45.34 3.85 0.00	41.11 2.06 -17.99	44.77 0.32 -41.21	49.16 0.32 -45.53	65.29 -0.10 -66.37	50.43 0.51 -45.04	48.06 1.80 -28.33	46.94 1.82 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.50 -43.16
ASTORIA_GT_5 24106	50.07 1.62 -27.48	46.53 2.77 -5.04	46.26 2.15 -13.78	44.44 1.94 -15.49	45.53 1.94 -13.70	46.41 1.69 -19.24	46.43 1.62 -22.41	42.73 2.12 -13.87	44.13 2.55 -9.03	44.85 3.45 0.00	44.95 3.00 -7.26	45.01 3.58 -0.65	44.82 3.26 -5.29	45.19 3.71 0.00	41.07 2.01 -17.99	44.75 0.31 -41.21	49.16 0.31 -45.53	65.29 -0.09 -66.37	50.41 0.50 -45.04	48.01 1.75 -28.33	46.92 1.80 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.88 0.49 -43.16
ASTORIA_GT_7 24107	50.07 1.62 -27.48	46.53 2.77 -5.04	46.26 2.15 -13.78	44.44 1.94 -15.49	45.53 1.94 -13.70	46.41 1.69 -19.24	46.43 1.62 -22.41	42.73 2.12 -13.87	44.13 2.55 -9.03	44.85 3.45 0.00	44.95 3.00 -7.26	45.01 3.58 -0.65	44.82 3.26 -5.29	45.19 3.71 0.00	41.07 2.01 -17.99	44.75 0.31 -41.21	49.16 0.31 -45.53	65.29 -0.09 -66.37	50.41 0.50 -45.04	48.01 1.75 -28.33	46.92 1.80 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.88 0.49 -43.16
ASTORIA_GT_8 24108	50.07 1.62 -27.48	46.53 2.77 -5.04	46.26 2.15 -13.78	44.44 1.94 -15.49	45.53 1.94 -13.70	46.41 1.69 -19.24	46.43 1.62 -22.41	42.73 2.12 -13.87	44.13 2.55 -9.03	44.85 3.45 0.00	44.95 3.00 -7.26	45.01 3.58 -0.65	44.82 3.26 -5.29	45.19 3.71 0.00	41.07 2.01 -17.99	44.75 0.31 -41.21	49.16 0.31 -45.53	65.29 -0.09 -66.37	50.41 0.50 -45.04	48.01 1.75 -28.33	46.92 1.80 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.88 0.49 -43.16
ASTORIA___2 24149	50.04 1.59 -27.48	46.46 2.70 -5.04	46.21 2.11 -13.78	44.40 1.90 -15.49	45.47 1.88 -13.70	46.36 1.66 -19.24	46.40 1.58 -22.41	42.68 2.07 -13.87	44.08 2.50 -9.03	44.78 3.38 0.00	44.88 2.93 -7.26	44.94 3.51 -0.65	44.76 3.19 -5.29	45.11 3.63 0.00	41.02 1.97 -17.99	44.74 0.30 -41.21	49.15 0.31 -45.53	65.30 -0.09 -66.37	50.40 0.49 -45.04	47.98 1.71 -28.33	46.89 1.76 -27.02	42.16 0.28 -39.08	43.06 -0.11 -44.35	48.87 0.48 -43.16
ASTORIA___3 23516	50.16 1.70 -27.48	46.68 2.91 -5.05	46.39 2.28 -13.79	44.51 2.00 -15.49	45.66 2.06 -13.70	46.52 1.80 -19.25	46.54 1.72 -22.42	42.82 2.21 -13.87	44.26 2.68 -9.03	45.00 3.60 0.00	45.12 3.16 -7.26	45.23 3.80 -0.66	45.03 3.46 -5.29	45.34 3.85 0.00	41.11 2.06 -17.99	44.77 0.32 -41.21	49.16 0.32 -45.53	65.29 -0.10 -66.37	50.43 0.51 -45.04	48.06 1.80 -28.33	46.94 1.82 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.50 -43.16
ASTORIA___4 23517	50.16 1.70 -27.48	46.68 2.91 -5.05	46.39 2.28 -13.79	44.51 2.00 -15.49	45.66 2.06 -13.70	46.52 1.80 -19.25	46.54 1.72 -22.42	42.82 2.21 -13.87	44.26 2.68 -9.03	45.00 3.60 0.00	45.12 3.16 -7.26	45.23 3.80 -0.66	45.03 3.46 -5.29	45.34 3.85 0.00	41.11 2.06 -17.99	44.77 0.32 -41.21	49.16 0.32 -45.53	65.29 -0.10 -66.37	50.43 0.51 -45.04	48.06 1.80 -28.33	46.94 1.82 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.50 -43.16
ASTORIA___5 23518	50.16 1.70 -27.48	46.68 2.91 -5.05	46.39 2.28 -13.79	44.51 2.00 -15.49	45.66 2.06 -13.70	46.52 1.80 -19.25	46.54 1.72 -22.42	42.82 2.21 -13.87	44.26 2.68 -9.03	45.00 3.60 0.00	45.12 3.16 -7.26	45.23 3.80 -0.66	45.03 3.46 -5.29	45.34 3.85 0.00	41.11 2.06 -17.99	44.77 0.32 -41.21	49.16 0.32 -45.53	65.29 -0.10 -66.37	50.43 0.51 -45.04	48.06 1.80 -28.33	46.94 1.82 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.50 -43.16
AST_ENERGY_2_CC3 323677	50.18 1.75 -27.46	46.75 2.98 -5.04	46.43 2.33 -13.78	44.52 2.02 -15.48	45.70 2.11 -13.69	46.55 1.85 -19.23	46.51 1.71 -22.40	42.80 2.20 -13.86	44.25 2.67 -9.03	44.98 3.58 0.00	45.07 3.12 -7.25	45.22 3.79 -0.66	45.00 3.44 -5.29	45.35 3.87 0.00	41.09 2.05 -17.98	44.74 0.32 -41.18	49.13 0.32 -45.50	65.24 -0.09 -66.32	50.39 0.52 -45.00	48.05 1.82 -28.31	46.92 1.82 -27.00	42.13 0.28 -39.05	43.01 -0.12 -44.32	48.84 0.49 -43.13
AST_ENERGY_2_CC4 323678	50.18 1.75 -27.46	46.75 2.98 -5.04	46.43 2.33 -13.78	44.52 2.02 -15.48	45.70 2.11 -13.69	46.55 1.85 -19.23	46.51 1.71 -22.40	42.80 2.20 -13.86	44.25 2.67 -9.03	44.98 3.58 0.00	45.07 3.12 -7.25	45.22 3.79 -0.66	45.00 3.44 -5.29	45.35 3.87 0.00	41.09 2.05 -17.98	44.74 0.32 -41.18	49.13 0.32 -45.50	65.24 -0.09 -66.32	50.39 0.52 -45.00	48.05 1.82 -28.31	46.92 1.82 -27.00	42.13 0.28 -39.05	43.01 -0.12 -44.32	48.84 0.49 -43.13
ATHENS_STG_1 23668	52.32 1.02 -30.33	46.06 1.77 -5.57	46.93 1.38 -15.22	45.34 1.23 -17.10	46.37 1.36 -15.12	47.83 1.12 -21.24	48.11 0.97 -24.74	43.25 1.20 -15.31	44.00 1.48 -9.97	43.26 1.86 0.00	44.38 1.67 -8.01	43.51 2.00 -0.73	43.92 1.80 -5.84	43.54 2.06 0.00	42.02 1.09 -19.85	48.88 0.17 -45.48	53.73 0.17 -50.25	72.22 -0.05 -73.25	54.84 0.26 -49.71	50.15 0.95 -31.27	48.89 0.97 -29.82	46.08 0.15 -43.13	47.70 -0.07 -48.95	53.13 0.28 -47.63
ATHENS_STG_2 23670	52.32 1.02 -30.33	46.06 1.77 -5.57	46.93 1.38 -15.22	45.34 1.23 -17.10	46.37 1.36 -15.12	47.83 1.12 -21.24	48.11 0.97 -24.74	43.25 1.20 -15.31	44.00 1.48 -9.97	43.26 1.86 0.00	44.38 1.67 -8.01	43.51 2.00 -0.73	43.92 1.80 -5.84	43.54 2.06 0.00	42.02 1.09 -19.85	48.88 0.17 -45.48	53.73 0.17 -50.25	72.22 -0.05 -73.25	54.84 0.26 -49.71	50.15 0.95 -31.27	48.89 0.97 -29.82	46.08 0.15 -43.13	47.70 -0.07 -48.95	53.13 0.28 -47.63
ATHENS_STG_3 23677	52.32 1.02 -30.33	46.06 1.77 -5.57	46.93 1.38 -15.22	45.34 1.23 -17.10	46.37 1.36 -15.12	47.83 1.12 -21.24	48.11 0.97 -24.74	43.25 1.20 -15.31	44.00 1.48 -9.97	43.26 1.86 0.00	44.38 1.67 -8.01	43.51 2.00 -0.73	43.92 1.80 -5.84	43.54 2.06 0.00	42.02 1.09 -19.85	48.88 0.17 -45.48	53.73 0.17 -50.25	72.22 -0.05 -73.25	54.84 0.26 -49.71	50.15 0.95 -31.27	48.89 0.97 -29.82	46.08 0.15 -43.13	47.70 -0.07 -48.95	53.13 0.28 -47.63
AUBURN___LFGE 323710	24.64 0.18 -3.49	39.62 0.26 -0.64	32.23 0.16 -1.75	29.17 0.20 -1.97	31.91 0.27 -1.74	28.09 0.18 -2.44	25.39 0.14 -2.85	28.77 0.27 -1.76	34.09 0.39 -1.15	42.01 0.61 0.00	36.19 0.58 -0.92	41.67 0.81 -0.08	37.74 0.79 -0.67	42.24 0.76 0.00	23.62 0.27 -2.28	8.54 0.07 -5.23	9.15 0.06 -5.78	7.42 -0.02 -8.43	10.68 0.09 -5.72	21.91 0.38 -3.60	21.89 0.36 -3.43	7.80 0.04 -4.96	4.43 -0.02 -5.63	10.78 0.08 -5.48
BABYLON_RES_REC 323704	50.70 2.20 -27.52	47.31 3.53 -5.06	47.00 2.86 -13.81	44.90 2.37 -15.52	46.11 2.50 -13.72	46.86 2.12 -19.28	46.85 2.00 -22.45	43.13 2.50 -13.89	44.66 3.07 -9.05	45.67 4.27 0.00	45.78 3.82 -7.27	45.75 4.32 -0.66	45.26 3.68 -5.30	45.78 4.30 0.00	41.37 2.29 -18.02	44.87 0.36 -41.28	49.27 0.36 -45.61	65.39 -0.11 -66.48	50.59 0.61 -45.11	48.36 2.05 -28.37	47.28 2.12 -27.06	42.27 0.34 -39.14	43.10 -0.14 -44.42	49.02 0.57 -43.23



BARRETT_IC_1 23704	50.41 1.92 -27.52	46.93 3.16 -5.06	46.65 2.51 -13.81	44.63 2.10 -15.52	45.82 2.20 -13.72	46.60 1.86 -19.28	46.58 1.73 -22.45	42.79 2.15 -13.89	44.26 2.66 -9.05	45.08 3.68 0.00	45.41 3.45 -7.27	45.51 4.07 -0.66	45.01 3.43 -5.30	45.46 3.98 0.00	41.18 2.10 -18.02	44.84 0.33 -41.28	49.24 0.32 -45.61	65.40 -0.09 -66.48	50.51 0.53 -45.11	48.12 1.81 -28.37	47.04 1.88 -27.06	42.23 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
BARRETT_IC_10 23701	50.41 1.92 -27.52	46.93 3.16 -5.06	46.65 2.51 -13.81	44.63 2.10 -15.52	45.82 2.20 -13.72	46.60 1.86 -19.28	46.58 1.73 -22.45	42.79 2.15 -13.89	44.26 2.66 -9.05	45.08 3.68 0.00	45.41 3.45 -7.27	45.51 4.07 -0.66	45.01 3.43 -5.30	45.46 3.98 0.00	41.18 2.10 -18.02	44.84 0.33 -41.28	49.24 0.32 -45.61	65.40 -0.09 -66.48	50.51 0.53 -45.11	48.12 1.81 -28.37	47.04 1.88 -27.06	42.23 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
BARRETT_IC_11 23702	50.41 1.92 -27.52	46.93 3.16 -5.06	46.65 2.51 -13.81	44.63 2.10 -15.52	45.82 2.20 -13.72	46.60 1.86 -19.28	46.58 1.73 -22.45	42.79 2.15 -13.89	44.26 2.66 -9.05	45.08 3.68 0.00	45.41 3.45 -7.27	45.51 4.07 -0.66	45.01 3.43 -5.30	45.46 3.98 0.00	41.18 2.10 -18.02	44.84 0.33 -41.28	49.24 0.32 -45.61	65.40 -0.09 -66.48	50.51 0.53 -45.11	48.12 1.81 -28.37	47.04 1.88 -27.06	42.23 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
BARRETT_IC_12 23703	50.41 1.92 -27.52	46.93 3.16 -5.06	46.65 2.51 -13.81	44.63 2.10 -15.52	45.82 2.20 -13.72	46.60 1.86 -19.28	46.58 1.73 -22.45	42.79 2.15 -13.89	44.26 2.66 -9.05	45.08 3.68 0.00	45.41 3.45 -7.27	45.51 4.07 -0.66	45.01 3.43 -5.30	45.46 3.98 0.00	41.18 2.10 -18.02	44.84 0.33 -41.28	49.24 0.32 -45.61	65.40 -0.09 -66.48	50.51 0.53 -45.11	48.12 1.81 -28.37	47.04 1.88 -27.06	42.23 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
BARRETT_IC_2 23705	50.41 1.92 -27.52	46.93 3.16 -5.06	46.65 2.51 -13.81	44.63 2.10 -15.52	45.82 2.20 -13.72	46.60 1.86 -19.28	46.58 1.73 -22.45	42.79 2.15 -13.89	44.26 2.66 -9.05	45.08 3.68 0.00	45.41 3.45 -7.27	45.51 4.07 -0.66	45.01 3.43 -5.30	45.46 3.98 0.00	41.18 2.10 -18.02	44.84 0.33 -41.28	49.24 0.32 -45.61	65.40 -0.09 -66.48	50.51 0.53 -45.11	48.12 1.81 -28.37	47.04 1.88 -27.06	42.23 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
BARRETT_IC_3 23706	50.41 1.92 -27.52	46.93 3.16 -5.06	46.65 2.51 -13.81	44.63 2.10 -15.52	45.82 2.20 -13.72	46.60 1.86 -19.28	46.58 1.73 -22.45	42.79 2.15 -13.89	44.26 2.66 -9.05	45.08 3.68 0.00	45.41 3.45 -7.27	45.51 4.07 -0.66	45.01 3.43 -5.30	45.46 3.98 0.00	41.18 2.10 -18.02	44.84 0.33 -41.28	49.24 0.32 -45.61	65.40 -0.09 -66.48	50.51 0.53 -45.11	48.12 1.81 -28.37	47.04 1.88 -27.06	42.23 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
BARRETT_IC_4 23707	50.41 1.92 -27.52	46.93 3.16 -5.06	46.65 2.51 -13.81	44.63 2.10 -15.52	45.82 2.20 -13.72	46.60 1.86 -19.28	46.58 1.73 -22.45	42.79 2.15 -13.89	44.26 2.66 -9.05	45.08 3.68 0.00	45.41 3.45 -7.27	45.51 4.07 -0.66	45.01 3.43 -5.30	45.46 3.98 0.00	41.18 2.10 -18.02	44.84 0.33 -41.28	49.24 0.32 -45.61	65.40 -0.09 -66.48	50.51 0.53 -45.11	48.12 1.81 -28.37	47.04 1.88 -27.06	42.23 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
BARRETT_IC_5 23708	50.41 1.92 -27.52	46.93 3.16 -5.06	46.65 2.51 -13.81	44.63 2.10 -15.52	45.82 2.20 -13.72	46.60 1.86 -19.28	46.58 1.73 -22.45	42.79 2.15 -13.89	44.26 2.66 -9.05	45.08 3.68 0.00	45.41 3.45 -7.27	45.51 4.07 -0.66	45.01 3.43 -5.30	45.46 3.98 0.00	41.18 2.10 -18.02	44.84 0.33 -41.28	49.24 0.32 -45.61	65.40 -0.09 -66.48	50.51 0.53 -45.11	48.12 1.81 -28.37	47.04 1.88 -27.06	42.23 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
BARRETT_IC_6 23709	50.41 1.92 -27.52	46.93 3.16 -5.06	46.65 2.51 -13.81	44.63 2.10 -15.52	45.82 2.20 -13.72	46.60 1.86 -19.28	46.58 1.73 -22.45	42.79 2.15 -13.89	44.26 2.66 -9.05	45.08 3.68 0.00	45.41 3.45 -7.27	45.51 4.07 -0.66	45.01 3.43 -5.30	45.46 3.98 0.00	41.18 2.10 -18.02	44.84 0.33 -41.28	49.24 0.32 -45.61	65.40 -0.09 -66.48	50.51 0.53 -45.11	48.12 1.81 -28.37	47.04 1.88 -27.06	42.23 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
BARRETT_IC_7 23710	50.41 1.92 -27.52	46.93 3.16 -5.06	46.65 2.51 -13.81	44.63 2.10 -15.52	45.82 2.20 -13.72	46.60 1.86 -19.28	46.58 1.73 -22.45	42.79 2.15 -13.89	44.26 2.66 -9.05	45.08 3.68 0.00	45.41 3.45 -7.27	45.51 4.07 -0.66	45.01 3.43 -5.30	45.46 3.98 0.00	41.18 2.10 -18.02	44.84 0.33 -41.28	49.24 0.32 -45.61	65.40 -0.09 -66.48	50.51 0.53 -45.11	48.12 1.81 -28.37	47.04 1.88 -27.06	42.23 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
BARRETT_IC_8 23711	50.41 1.92 -27.52	46.93 3.16 -5.06	46.65 2.51 -13.81	44.63 2.10 -15.52	45.82 2.20 -13.72	46.60 1.86 -19.28	46.58 1.73 -22.45	42.79 2.15 -13.89	44.26 2.66 -9.05	45.08 3.68 0.00	45.41 3.45 -7.27	45.51 4.07 -0.66	45.01 3.43 -5.30	45.46 3.98 0.00	41.18 2.10 -18.02	44.84 0.33 -41.28	49.24 0.32 -45.61	65.40 -0.09 -66.48	50.51 0.53 -45.11	48.12 1.81 -28.37	47.04 1.88 -27.06	42.23 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
BARRETT_IC_9 23700	50.41 1.92 -27.52	46.93 3.16 -5.06	46.65 2.51 -13.81	44.63 2.10 -15.52	45.82 2.20 -13.72	46.60 1.86 -19.28	46.58 1.73 -22.45	42.79 2.15 -13.89	44.26 2.66 -9.05	45.08 3.68 0.00	45.41 3.45 -7.27	45.51 4.07 -0.66	45.01 3.43 -5.30	45.46 3.98 0.00	41.18 2.10 -18.02	44.84 0.33 -41.28	49.24 0.32 -45.61	65.40 -0.09 -66.48	50.51 0.53 -45.11	48.12 1.81 -28.37	47.04 1.88 -27.06	42.23 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
BARRETT___1 23545	50.41 1.92 -27.52	46.93 3.16 -5.06	46.65 2.51 -13.81	44.63 2.10 -15.52	45.82 2.20 -13.72	46.60 1.86 -19.28	46.58 1.73 -22.45	42.79 2.15 -13.89	44.26 2.66 -9.05	45.08 3.68 0.00	45.41 3.45 -7.27	45.51 4.07 -0.66	45.01 3.43 -5.30	45.46 3.98 0.00	41.18 2.10 -18.02	44.84 0.33 -41.28	49.24 0.32 -45.61	65.40 -0.09 -66.48	50.51 0.53 -45.11	48.12 1.81 -28.37	47.04 1.88 -27.06	42.23 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
BARRETT___2 23546	50.41 1.92 -27.52	46.93 3.16 -5.06	46.65 2.51 -13.81	44.63 2.10 -15.52	45.82 2.20 -13.72	46.60 1.86 -19.28	46.58 1.73 -22.45	42.79 2.15 -13.89	44.26 2.66 -9.05	45.08 3.68 0.00	45.41 3.45 -7.27	45.51 4.07 -0.66	45.01 3.43 -5.30	45.46 3.98 0.00	41.18 2.10 -18.02	44.84 0.33 -41.28	49.24 0.32 -45.61	65.40 -0.09 -66.48	50.51 0.53 -45.11	48.12 1.81 -28.37	47.04 1.88 -27.06	42.23 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
BAYONEEC___CTG1 323682	50.18 1.75 -27.46	46.73 2.97 -5.04	46.41 2.31 -13.78	44.50 2.01 -15.48	45.68 2.10 -13.69	46.54 1.84 -19.23	46.49 1.69 -22.40	42.79 2.19 -13.86	44.22 2.64 -9.03	44.95 3.55 0.00	45.05 3.10 -7.25	45.20 3.77 -0.66	44.98 3.42 -5.29	45.34 3.85 0.00	41.09 2.04 -17.98	44.74 0.32 -41.18	49.13 0.32 -45.50	65.24 -0.09 -66.32	50.39 0.51 -45.00	48.05 1.81 -28.31	46.91 1.81 -27.00	42.13 0.28 -39.05	43.01 -0.12 -44.32	48.84 0.49 -43.13



BAYONEEC___CTG10 323750	50.18 1.75 -27.46	46.73 2.97 -5.04	46.41 2.31 -13.78	44.50 2.01 -15.48	45.68 2.10 -13.69	46.54 1.84 -19.23	46.49 1.69 -22.40	42.79 2.19 -13.86	44.22 2.64 -9.03	44.95 3.55 0.00	45.05 3.10 -7.25	45.20 3.77 -0.66	44.98 3.42 -5.29	45.34 3.85 0.00	41.09 2.04 -17.98	44.74 0.32 -41.18	49.13 0.32 -45.50	65.24 -0.09 -66.32	50.39 0.51 -45.00	48.05 1.81 -28.31	46.91 1.81 -27.00	42.13 0.28 -39.05	43.01 -0.12 -44.32	48.84 0.49 -43.13
BAYONEEC___CTG2 323683	50.18 1.75 -27.46	46.73 2.97 -5.04	46.41 2.31 -13.78	44.50 2.01 -15.48	45.68 2.10 -13.69	46.54 1.84 -19.23	46.49 1.69 -22.40	42.79 2.19 -13.86	44.22 2.64 -9.03	44.95 3.55 0.00	45.05 3.10 -7.25	45.20 3.77 -0.66	44.98 3.42 -5.29	45.34 3.85 0.00	41.09 2.04 -17.98	44.74 0.32 -41.18	49.13 0.32 -45.50	65.24 -0.09 -66.32	50.39 0.51 -45.00	48.05 1.81 -28.31	46.91 1.81 -27.00	42.13 0.28 -39.05	43.01 -0.12 -44.32	48.84 0.49 -43.13
BAYONEEC___CTG3 323684	50.18 1.75 -27.46	46.73 2.97 -5.04	46.41 2.31 -13.78	44.50 2.01 -15.48	45.68 2.10 -13.69	46.54 1.84 -19.23	46.49 1.69 -22.40	42.79 2.19 -13.86	44.22 2.64 -9.03	44.95 3.55 0.00	45.05 3.10 -7.25	45.20 3.77 -0.66	44.98 3.42 -5.29	45.34 3.85 0.00	41.09 2.04 -17.98	44.74 0.32 -41.18	49.13 0.32 -45.50	65.24 -0.09 -66.32	50.39 0.51 -45.00	48.05 1.81 -28.31	46.91 1.81 -27.00	42.13 0.28 -39.05	43.01 -0.12 -44.32	48.84 0.49 -43.13
BAYONEEC___CTG4 323685	50.18 1.75 -27.46	46.73 2.97 -5.04	46.41 2.31 -13.78	44.50 2.01 -15.48	45.68 2.10 -13.69	46.54 1.84 -19.23	46.49 1.69 -22.40	42.79 2.19 -13.86	44.22 2.64 -9.03	44.95 3.55 0.00	45.05 3.10 -7.25	45.20 3.77 -0.66	44.98 3.42 -5.29	45.34 3.85 0.00	41.09 2.04 -17.98	44.74 0.32 -41.18	49.13 0.32 -45.50	65.24 -0.09 -66.32	50.39 0.51 -45.00	48.05 1.81 -28.31	46.91 1.81 -27.00	42.13 0.28 -39.05	43.01 -0.12 -44.32	48.84 0.49 -43.13
BAYONEEC___CTG5 323686	50.18 1.75 -27.46	46.73 2.97 -5.04	46.41 2.31 -13.78	44.50 2.01 -15.48	45.68 2.10 -13.69	46.54 1.84 -19.23	46.49 1.69 -22.40	42.79 2.19 -13.86	44.22 2.64 -9.03	44.95 3.55 0.00	45.05 3.10 -7.25	45.20 3.77 -0.66	44.98 3.42 -5.29	45.34 3.85 0.00	41.09 2.04 -17.98	44.74 0.32 -41.18	49.13 0.32 -45.50	65.24 -0.09 -66.32	50.39 0.51 -45.00	48.05 1.81 -28.31	46.91 1.81 -27.00	42.13 0.28 -39.05	43.01 -0.12 -44.32	48.84 0.49 -43.13
BAYONEEC___CTG6 323687	50.18 1.75 -27.46	46.73 2.97 -5.04	46.41 2.31 -13.78	44.50 2.01 -15.48	45.68 2.10 -13.69	46.54 1.84 -19.23	46.49 1.69 -22.40	42.79 2.19 -13.86	44.22 2.64 -9.03	44.95 3.55 0.00	45.05 3.10 -7.25	45.20 3.77 -0.66	44.98 3.42 -5.29	45.34 3.85 0.00	41.09 2.04 -17.98	44.74 0.32 -41.18	49.13 0.32 -45.50	65.24 -0.09 -66.32	50.39 0.51 -45.00	48.05 1.81 -28.31	46.91 1.81 -27.00	42.13 0.28 -39.05	43.01 -0.12 -44.32	48.84 0.49 -43.13
BAYONEEC___CTG7 323688	50.18 1.75 -27.46	46.73 2.97 -5.04	46.41 2.31 -13.78	44.50 2.01 -15.48	45.68 2.10 -13.69	46.54 1.84 -19.23	46.49 1.69 -22.40	42.79 2.19 -13.86	44.22 2.64 -9.03	44.95 3.55 0.00	45.05 3.10 -7.25	45.20 3.77 -0.66	44.98 3.42 -5.29	45.34 3.85 0.00	41.09 2.04 -17.98	44.74 0.32 -41.18	49.13 0.32 -45.50	65.24 -0.09 -66.32	50.39 0.51 -45.00	48.05 1.81 -28.31	46.91 1.81 -27.00	42.13 0.28 -39.05	43.01 -0.12 -44.32	48.84 0.49 -43.13
BAYONEEC___CTG8 323689	50.18 1.75 -27.46	46.73 2.97 -5.04	46.41 2.31 -13.78	44.50 2.01 -15.48	45.68 2.10 -13.69	46.54 1.84 -19.23	46.49 1.69 -22.40	42.79 2.19 -13.86	44.22 2.64 -9.03	44.95 3.55 0.00	45.05 3.10 -7.25	45.20 3.77 -0.66	44.98 3.42 -5.29	45.34 3.85 0.00	41.09 2.04 -17.98	44.74 0.32 -41.18	49.13 0.32 -45.50	65.24 -0.09 -66.32	50.39 0.51 -45.00	48.05 1.81 -28.31	46.91 1.81 -27.00	42.13 0.28 -39.05	43.01 -0.12 -44.32	48.84 0.49 -43.13
BAYONEEC___CTG9 323749	50.18 1.75 -27.46	46.73 2.97 -5.04	46.41 2.31 -13.78	44.50 2.01 -15.48	45.68 2.10 -13.69	46.54 1.84 -19.23	46.49 1.69 -22.40	42.79 2.19 -13.86	44.22 2.64 -9.03	44.95 3.55 0.00	45.05 3.10 -7.25	45.20 3.77 -0.66	44.98 3.42 -5.29	45.34 3.85 0.00	41.09 2.04 -17.98	44.74 0.32 -41.18	49.13 0.32 -45.50	65.24 -0.09 -66.32	50.39 0.51 -45.00	48.05 1.81 -28.31	46.91 1.81 -27.00	42.13 0.28 -39.05	43.01 -0.12 -44.32	48.84 0.49 -43.13
BEACON___LESR 323632	58.80 1.30 -36.52	47.70 2.27 -6.71	50.38 1.73 -18.33	49.11 1.51 -20.59	49.84 1.74 -18.21	52.46 1.41 -25.58	53.37 1.18 -29.79	46.59 1.41 -18.43	46.28 1.73 -12.01	43.55 2.15 0.00	46.28 1.94 -9.65	44.04 2.39 -0.88	45.50 2.19 -7.04	43.90 2.42 0.00	46.23 1.25 -23.91	58.21 0.20 -54.77	64.03 0.20 -60.51	87.16 -0.06 -88.21	65.04 0.31 -59.86	56.84 1.26 -37.65	55.20 1.19 -35.91	54.91 0.17 -51.94	57.68 0.17 -58.94	62.92 0.34 -57.36
BEAVER RIVER___HYD 24048	20.74 -0.24 0.00	38.31 -0.42 0.00	30.01 -0.31 0.00	26.74 -0.27 0.00	29.60 -0.29 0.00	25.21 -0.26 0.00	22.17 -0.23 0.00	26.53 -0.21 0.00	32.34 -0.21 0.00	41.21 -0.19 0.00	34.52 -0.17 0.00	40.39 -0.38 0.00	35.82 -0.46 0.00	40.90 -0.59 0.00	20.73 -0.34 0.00	3.18 -0.05 0.00	2.33 -0.05 0.93	-0.97 0.02 0.00	4.79 -0.09 0.00	17.61 -0.31 0.00	17.77 -0.33 0.00	2.75 -0.05 0.00	-1.16 0.03 0.00	5.04 -0.11 0.07
BEEBEE_GT_13 23619	23.89 -0.26 -3.18	38.56 -0.75 -0.58	31.36 -0.56 -1.60	28.28 -0.52 -1.79	30.95 -0.53 -1.59	27.35 -0.34 -2.23	24.68 -0.32 -2.60	27.85 -0.50 -1.61	32.99 -0.61 -1.05	40.86 -0.54 0.00	35.20 -0.33 -0.84	40.65 -0.19 -0.08	36.79 -0.09 -0.61	41.13 -0.36 0.00	22.91 -0.24 -2.08	8.02 0.01 -4.77	8.58 0.00 -5.27	6.70 0.00 -7.68	10.06 -0.02 -5.21	21.23 0.02 -3.28	21.21 -0.02 -3.13	7.30 -0.02 -4.52	3.95 0.00 -5.14	10.20 -0.02 -5.00
BETHLEHEM___GRP 23843	58.33 0.86 -36.50	47.04 1.61 -6.70	49.91 1.26 -18.32	48.72 1.13 -20.58	49.36 1.27 -18.20	52.04 1.01 -25.56	53.03 0.85 -29.77	46.07 0.91 -18.42	45.68 1.13 -12.00	42.76 1.36 0.00	45.54 1.21 -9.64	43.07 1.43 -0.88	44.63 1.33 -7.03	43.07 1.58 0.00	45.80 0.84 -23.89	58.09 0.13 -54.74	63.91 0.13 -60.48	87.13 -0.04 -88.15	64.89 0.19 -59.82	56.29 0.73 -37.63	54.73 0.74 -35.88	54.82 0.11 -51.90	57.67 -0.05 -58.90	62.78 0.23 -57.32
BETHLEHEM___GS1 323560	58.33 0.86 -36.50	47.04 1.61 -6.70	49.91 1.26 -18.32	48.72 1.13 -20.58	49.36 1.27 -18.20	52.04 1.01 -25.56	53.03 0.85 -29.77	46.07 0.91 -18.42	45.68 1.13 -12.00	42.76 1.36 0.00	45.54 1.21 -9.64	43.07 1.43 -0.88	44.63 1.33 -7.03	43.07 1.58 0.00	45.80 0.84 -23.89	58.09 0.13 -54.74	63.91 0.13 -60.48	87.13 -0.04 -88.15	64.89 0.19 -59.82	56.29 0.73 -37.63	54.73 0.74 -35.88	54.82 0.11 -51.90	57.67 -0.05 -58.90	62.78 0.23 -57.32
BETHLEHEM___GS2 323561	58.33 0.86 -36.50	47.04 1.61 -6.70	49.91 1.26 -18.32	48.72 1.13 -20.58	49.36 1.27 -18.20	52.04 1.01 -25.56	53.03 0.85 -29.77	46.07 0.91 -18.42	45.68 1.13 -12.00	42.76 1.36 0.00	45.54 1.21 -9.64	43.07 1.43 -0.88	44.63 1.33 -7.03	43.07 1.58 0.00	45.80 0.84 -23.89	58.09 0.13 -54.74	63.91 0.13 -60.48	87.13 -0.04 -88.15	64.89 0.19 -59.82	56.29 0.73 -37.63	54.73 0.74 -35.88	54.82 0.11 -51.90	57.67 -0.05 -58.90	62.78 0.23 -57.32



BETHLEHEM___GS3 323562	58.33 0.86 -36.50	47.04 1.61 -6.70	49.91 1.26 -18.32	48.72 1.13 -20.58	49.36 1.27 -18.20	52.04 1.01 -25.56	53.03 0.85 -29.77	46.07 0.91 -18.42	45.68 1.13 -12.00	42.76 1.36 0.00	45.54 1.21 -9.64	43.07 1.43 -0.88	44.63 1.33 -7.03	43.07 1.58 0.00	45.80 0.84 -23.89	58.09 0.13 -54.74	63.91 0.13 -60.48	87.13 -0.04 -88.15	64.89 0.19 -59.82	56.29 0.73 -37.63	54.73 0.74 -35.88	54.82 0.11 -51.90	57.67 -0.05 -58.90	62.78 0.23 -57.32
BETHLEHEM___STEEL 23779	25.17 -0.28 -4.47	38.61 -0.93 -0.82	31.92 -0.65 -2.25	28.92 -0.61 -2.52	31.47 -0.65 -2.23	28.21 -0.39 -3.13	25.62 -0.43 -3.65	28.19 -0.81 -2.26	32.94 -1.08 -1.47	40.32 -1.08 0.00	35.19 -0.69 -1.18	40.46 -0.41 -0.11	36.95 -0.19 -0.86	40.76 -0.73 -0.01	23.42 -0.57 -2.93	9.94 0.00 -6.71	10.68 -0.04 -7.41	9.84 0.02 -10.80	12.10 -0.11 -7.34	22.39 -0.15 -4.61	22.33 -0.17 -4.40	9.11 -0.06 -6.36	6.03 -0.01 -7.21	12.25 0.01 -7.02
BETHPAGE_CC_5 323564	50.62 2.12 -27.52	47.23 3.46 -5.06	46.89 2.76 -13.81	44.84 2.31 -15.52	46.05 2.43 -13.72	46.81 2.07 -19.28	46.80 1.95 -22.45	43.06 2.43 -13.89	44.60 3.00 -9.05	45.57 4.17 0.00	45.72 3.75 -7.27	45.70 4.27 -0.66	45.23 3.65 -5.30	45.77 4.28 0.00	41.34 2.26 -18.02	44.86 0.36 -41.28	49.26 0.35 -45.61	65.39 -0.10 -66.48	50.56 0.57 -45.11	48.28 1.97 -28.37	47.20 2.03 -27.06	42.26 0.32 -39.14	43.10 -0.14 -44.42	49.01 0.56 -43.23
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	25.41 -0.07 -4.51	38.98 -0.57 -0.83	32.21 -0.37 -2.26	29.18 -0.37 -2.54	31.74 -0.40 -2.25	28.45 -0.18 -3.16	25.84 -0.24 -3.68	28.46 -0.56 -2.28	33.28 -0.75 -1.48	40.75 -0.65 0.00	35.58 -0.30 -1.19	40.94 0.06 -0.11	37.37 0.22 -0.87	41.24 -0.25 -0.01	23.69 -0.33 -2.95	10.03 0.03 -6.76	10.77 0.00 -7.46	9.91 0.01 -10.89	12.21 -0.06 -7.39	22.62 0.04 -4.65	22.55 0.02 -4.43	9.18 -0.03 -6.41	6.07 -0.02 -7.27	12.36 0.06 -7.07
BINGHAMTON___COGEN 23790	30.38 0.46 -8.94	41.11 0.75 -1.64	35.36 0.55 -4.49	32.52 0.47 -5.04	34.85 0.50 -4.46	32.17 0.44 -6.26	30.10 0.40 -7.29	31.77 0.52 -4.51	36.14 0.65 -2.94	42.32 0.92 0.00	37.93 0.87 -2.36	42.15 1.16 -0.22	39.08 1.08 -1.72	42.62 1.14 0.00	27.43 0.51 -5.86	16.74 0.10 -13.41	18.22 0.09 -14.82	20.59 -0.02 -21.60	19.65 0.12 -14.66	27.66 0.52 -9.22	27.37 0.48 -8.79	15.58 0.06 -12.72	13.22 -0.03 -14.43	19.42 0.15 -14.04
BLACK RIVER___HYD 24047	21.76 -0.35 -1.14	38.31 -0.62 -0.21	30.43 -0.46 -0.57	27.26 -0.39 -0.64	30.03 -0.43 -0.56	25.86 -0.41 -0.79	22.91 -0.42 -0.93	26.87 -0.45 -0.57	32.45 -0.47 -0.37	40.90 -0.50 0.00	34.61 -0.39 -0.30	40.00 -0.80 -0.03	35.58 -0.91 -0.22	40.37 -1.12 0.00	21.21 -0.60 -0.74	4.84 -0.10 -1.70	4.45 -0.10 -1.24	1.79 0.03 -2.74	6.58 -0.15 -1.86	18.55 -0.55 -1.17	18.64 -0.58 -1.12	4.33 -0.09 -1.61	0.69 0.04 -1.83	6.76 -0.20 -1.74
BLISS_WT_PWR 323608	26.13 0.47 -4.69	40.02 0.43 -0.86	33.07 0.40 -2.35	29.88 0.23 -2.64	32.40 0.16 -2.34	29.12 0.37 -3.28	26.47 0.24 -3.83	28.97 -0.13 -2.37	33.91 -0.18 -1.54	41.24 -0.16 0.00	36.15 0.21 -1.24	41.61 0.73 -0.11	37.88 0.70 -0.90	41.60 0.11 -0.01	23.90 -0.24 -3.07	10.27 0.00 -7.03	11.02 -0.06 -7.77	10.37 0.03 -11.33	12.44 -0.13 -7.69	22.53 -0.24 -4.84	22.63 -0.08 -4.61	9.45 -0.02 -6.67	6.35 -0.03 -7.56	12.65 0.07 -7.36
BLUE_CIRC_CHEM_DRP 24182	55.01 1.03 -33.00	46.67 1.89 -6.06	48.44 1.55 -16.56	47.02 1.40 -18.61	47.94 1.59 -16.45	49.88 1.30 -23.11	50.40 1.08 -26.92	44.59 1.19 -16.66	44.90 1.50 -10.85	43.20 1.80 0.00	44.93 1.52 -8.72	43.35 1.79 -0.79	44.33 1.70 -6.36	43.48 2.00 0.00	43.73 1.06 -21.60	52.89 0.16 -49.49	58.16 0.16 -54.69	78.68 -0.05 -79.71	59.20 0.24 -54.09	52.87 0.91 -34.03	51.47 0.91 -32.45	49.87 0.14 -46.93	52.02 -0.06 -53.26	57.33 0.27 -51.83
BOC_GAS_DRP 24189	57.62 0.95 -35.69	46.98 1.70 -6.56	49.57 1.33 -17.91	48.32 1.19 -20.12	49.04 1.35 -17.80	51.56 1.09 -25.00	52.45 0.93 -29.11	45.85 1.10 -18.01	45.64 1.36 -11.73	43.07 1.67 0.00	45.61 1.48 -9.43	43.39 1.76 -0.86	44.75 1.60 -6.88	43.34 1.85 0.00	45.41 0.97 -23.36	56.91 0.15 -53.53	62.60 0.15 -59.14	85.18 -0.05 -86.21	63.60 0.23 -58.50	55.59 0.86 -36.80	54.07 0.87 -35.09	53.69 0.13 -50.76	56.37 -0.06 -57.61	61.54 0.26 -56.06
BORALEX_4TH_BRANCH 23824	59.64 1.59 -37.08	48.34 2.80 -6.81	51.25 2.32 -18.61	49.99 2.07 -20.91	50.68 2.30 -18.49	53.38 1.95 -25.97	54.30 1.65 -30.24	47.36 1.90 -18.71	47.16 2.42 -12.19	44.16 2.76 0.00	46.90 2.41 -9.79	44.43 2.77 -0.89	45.86 2.44 -7.14	44.30 2.82 0.00	46.83 1.49 -24.27	59.07 0.23 -55.61	65.08 0.24 -61.53	88.50 -0.07 -89.55	65.99 0.35 -60.77	57.49 1.33 -38.23	55.93 1.37 -36.45	55.73 0.21 -52.73	58.56 -0.10 -59.84	63.90 0.44 -58.24
BOWLINE___1 23526	47.81 1.40 -25.44	45.72 2.33 -4.67	44.91 1.82 -12.77	42.96 1.61 -14.34	44.25 1.67 -12.68	44.77 1.49 -17.82	44.55 1.40 -20.75	41.32 1.74 -12.84	43.04 2.13 -8.36	44.20 2.80 0.00	43.95 2.53 -6.72	44.47 3.09 -0.61	43.96 2.79 -4.90	44.63 3.15 0.00	39.36 1.64 -16.65	41.64 0.27 -38.15	45.72 0.26 -42.15	60.37 -0.08 -61.44	46.98 0.42 -41.69	45.62 1.46 -26.23	44.58 1.47 -25.01	39.20 0.22 -36.17	39.77 -0.10 -41.05	45.58 0.40 -39.95
BOWLINE___2 23595	47.81 1.39 -25.44	45.71 2.32 -4.67	44.90 1.81 -12.77	42.96 1.60 -14.34	44.25 1.67 -12.68	44.77 1.48 -17.82	44.55 1.39 -20.75	41.32 1.74 -12.84	43.02 2.11 -8.36	44.20 2.79 0.00	43.94 2.53 -6.72	44.44 3.06 -0.61	43.95 2.77 -4.90	44.62 3.13 0.00	39.35 1.63 -16.65	41.65 0.27 -38.15	45.72 0.26 -42.16	60.38 -0.08 -61.45	46.99 0.41 -41.70	45.62 1.46 -26.23	44.58 1.46 -25.01	39.20 0.22 -36.18	39.78 -0.10 -41.06	45.58 0.40 -39.96
BROOKHAVEN___DRP 24191	50.81 2.31 -27.52	47.47 3.70 -5.06	47.12 2.98 -13.81	45.00 2.47 -15.52	46.23 2.61 -13.72	46.96 2.22 -19.28	46.95 2.10 -22.45	43.22 2.58 -13.89	44.80 3.20 -9.05	45.90 4.50 0.00	45.95 3.98 -7.27	45.90 4.47 -0.66	45.39 3.81 -5.30	45.97 4.49 0.00	41.46 2.38 -18.02	44.88 0.37 -41.28	49.28 0.36 -45.61	65.38 -0.11 -66.48	50.61 0.63 -45.11	48.43 2.13 -28.37	47.36 2.19 -27.06	42.29 0.34 -39.14	43.09 -0.15 -44.42	49.04 0.59 -43.23
BROOKLYN_NAVY_YARD 23515	50.13 1.70 -27.46	46.62 2.86 -5.04	46.33 2.22 -13.78	44.45 1.95 -15.48	45.60 2.02 -13.69	46.48 1.78 -19.23	46.44 1.64 -22.40	42.75 2.15 -13.86	44.18 2.60 -9.03	44.89 3.48 0.00	44.97 3.02 -7.25	45.10 3.66 -0.66	44.90 3.33 -5.29	45.23 3.75 0.00	41.04 2.00 -17.98	44.73 0.31 -41.18	49.12 0.31 -45.50	65.24 -0.09 -66.32	50.37 0.50 -45.00	48.00 1.76 -28.31	46.87 1.76 -27.00	42.12 0.27 -39.05	43.02 -0.12 -44.32	48.83 0.48 -43.13
BROOKLYN___ARMY_DRP 323595	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16



BROOME_2_LFGE 323671	30.38 0.46 -8.94	41.11 0.75 -1.64	35.36 0.55 -4.49	32.52 0.47 -5.04	34.85 0.50 -4.46	32.17 0.44 -6.26	30.10 0.40 -7.29	31.77 0.52 -4.51	36.14 0.65 -2.94	42.32 0.92 0.00	37.93 0.87 -2.36	42.15 1.16 -0.22	39.08 1.08 -1.72	42.62 1.14 0.00	27.43 0.51 -5.86	16.74 0.10 -13.41	18.22 0.09 -14.82	20.59 -0.02 -21.60	19.65 0.12 -14.66	27.66 0.52 -9.22	27.37 0.48 -8.79	15.58 0.06 -12.72	13.22 -0.03 -14.43	19.42 0.15 -14.04
BROOME___LFGE 323600	30.38 0.46 -8.94	41.11 0.75 -1.64	35.36 0.55 -4.49	32.52 0.47 -5.04	34.85 0.50 -4.46	32.17 0.44 -6.26	30.10 0.40 -7.29	31.77 0.52 -4.51	36.14 0.65 -2.94	42.32 0.92 0.00	37.93 0.87 -2.36	42.15 1.16 -0.22	39.08 1.08 -1.72	42.62 1.14 0.00	27.43 0.51 -5.86	16.74 0.10 -13.41	18.22 0.09 -14.82	20.59 -0.02 -21.60	19.65 0.12 -14.66	27.66 0.52 -9.22	27.37 0.48 -8.79	15.58 0.06 -12.72	13.22 -0.03 -14.43	19.42 0.15 -14.04
BURROWS___LYONSDAL 23803	21.07 0.09 0.00	38.89 0.17 0.00	30.47 0.15 0.00	27.15 0.14 0.00	30.04 0.15 0.00	25.60 0.13 0.00	22.53 0.13 0.00	26.95 0.21 0.00	32.86 0.31 0.00	41.87 0.47 0.00	35.10 0.40 0.00	41.18 0.41 0.00	36.60 0.32 0.00	41.81 0.32 0.00	21.21 0.14 0.00	3.26 0.03 0.00	2.96 0.03 0.38	-0.99 -0.01 0.00	4.90 0.03 0.00	18.03 0.10 0.00	18.19 0.08 0.00	2.81 0.01 0.00	-1.19 0.00 0.00	5.20 0.00 0.03
CAITHNESS_CC_1 323624	50.75 2.26 -27.52	47.38 3.60 -5.06	47.05 2.91 -13.81	44.94 2.41 -15.52	46.17 2.55 -13.72	46.90 2.16 -19.28	46.90 2.05 -22.45	43.16 2.53 -13.89	44.72 3.12 -9.05	45.79 4.39 0.00	45.87 3.90 -7.27	45.81 4.38 -0.66	45.31 3.73 -5.30	45.88 4.39 0.00	41.41 2.33 -18.02	44.87 0.37 -41.28	49.27 0.35 -45.61	65.39 -0.11 -66.48	50.59 0.61 -45.11	48.37 2.06 -28.37	47.30 2.13 -27.06	42.28 0.34 -39.14	43.10 -0.14 -44.42	49.03 0.58 -43.23
CALPINE BETH_PAGE_GT4 24209	50.59 2.09 -27.52	47.20 3.42 -5.06	46.86 2.73 -13.81	44.82 2.29 -15.52	46.02 2.41 -13.72	46.80 2.05 -19.28	46.78 1.93 -22.45	43.05 2.42 -13.89	44.57 2.97 -9.05	45.52 4.12 0.00	45.68 3.71 -7.27	45.66 4.23 -0.66	45.18 3.60 -5.30	45.70 4.22 0.00	41.31 2.23 -18.02	44.86 0.35 -41.28	49.25 0.34 -45.61	65.39 -0.10 -66.48	50.54 0.56 -45.11	48.21 1.90 -28.37	47.13 1.97 -27.06	42.26 0.32 -39.14	43.10 -0.14 -44.42	49.01 0.55 -43.23
CALPINE_BETH_PAGE_GT_4 323586	50.59 2.09 -27.52	47.20 3.42 -5.06	46.86 2.73 -13.81	44.82 2.29 -15.52	46.02 2.41 -13.72	46.80 2.05 -19.28	46.78 1.93 -22.45	43.05 2.42 -13.89	44.57 2.97 -9.05	45.52 4.12 0.00	45.68 3.71 -7.27	45.66 4.23 -0.66	45.18 3.60 -5.30	45.70 4.22 0.00	41.31 2.23 -18.02	44.86 0.35 -41.28	49.25 0.34 -45.61	65.39 -0.10 -66.48	50.54 0.56 -45.11	48.21 1.90 -28.37	47.13 1.97 -27.06	42.26 0.32 -39.14	43.10 -0.14 -44.42	49.01 0.55 -43.23
CALPINE_BP_GT1 23823	50.59 2.09 -27.52	47.20 3.42 -5.06	46.86 2.73 -13.81	44.82 2.29 -15.52	46.02 2.41 -13.72	46.80 2.05 -19.28	46.78 1.93 -22.45	43.05 2.42 -13.89	44.57 2.97 -9.05	45.52 4.12 0.00	45.68 3.71 -7.27	45.66 4.23 -0.66	45.18 3.60 -5.30	45.70 4.22 0.00	41.31 2.23 -18.02	44.86 0.35 -41.28	49.25 0.34 -45.61	65.39 -0.10 -66.48	50.54 0.56 -45.11	48.21 1.90 -28.37	47.13 1.97 -27.06	42.26 0.32 -39.14	43.10 -0.14 -44.42	49.01 0.55 -43.23
CALSPAN___DRP 24200	25.17 -0.28 -4.47	38.61 -0.93 -0.82	31.92 -0.65 -2.25	28.92 -0.61 -2.52	31.47 -0.65 -2.23	28.21 -0.39 -3.13	25.62 -0.43 -3.65	28.19 -0.81 -2.26	32.94 -1.08 -1.47	40.32 -1.08 0.00	35.19 -0.69 -1.18	40.46 -0.41 -0.11	36.95 -0.19 -0.86	40.76 -0.73 -0.01	23.42 -0.57 -2.93	9.94 0.00 -6.71	10.68 -0.04 -7.41	9.84 0.02 -10.80	12.10 -0.11 -7.34	22.39 -0.15 -4.61	22.33 -0.17 -4.40	9.11 -0.06 -6.36	6.03 -0.01 -7.21	12.25 0.01 -7.02
CANDIGU_WT_PWR 323617	27.52 0.35 -6.20	40.21 0.35 -1.14	33.68 0.25 -3.11	30.67 0.17 -3.49	33.12 0.13 -3.09	30.04 0.23 -4.34	27.63 0.17 -5.05	30.00 0.14 -3.13	34.72 0.13 -2.04	41.62 0.22 0.00	36.59 0.26 -1.64	41.43 0.51 -0.15	38.04 0.57 -1.19	41.81 0.32 0.00	25.10 -0.03 -4.06	12.55 0.03 -9.29	13.58 0.01 -10.27	13.99 0.01 -14.96	15.00 -0.03 -10.16	24.35 0.03 -6.39	24.25 0.06 -6.09	11.61 -0.01 -8.81	8.80 -0.02 -10.00	15.03 0.07 -9.73
CARR STREET_E_SYR 24060	23.37 -0.09 -2.49	38.91 -0.27 -0.46	31.36 -0.21 -1.25	28.21 -0.20 -1.40	30.92 -0.22 -1.24	27.05 -0.16 -1.74	24.30 -0.13 -2.03	27.85 -0.15 -1.26	33.22 -0.15 -0.82	41.30 -0.11 0.00	35.33 -0.03 -0.66	40.87 0.04 -0.06	36.84 0.08 -0.48	41.50 0.01 0.00	22.68 -0.01 -1.63	6.98 0.01 -3.73	7.44 0.01 -4.12	5.02 0.00 -6.01	8.96 0.00 -4.08	20.54 0.04 -2.56	20.57 0.02 -2.45	6.34 0.00 -3.54	2.83 0.00 -4.01	9.13 -0.01 -3.91
CARTHAGE___PAPER 23857	21.66 -0.24 -0.92	38.47 -0.42 -0.17	30.48 -0.31 -0.46	27.27 -0.27 -0.52	30.07 -0.29 -0.46	25.85 -0.27 -0.65	22.89 -0.26 -0.75	26.96 -0.25 -0.47	32.62 -0.23 -0.30	41.20 -0.20 0.00	34.77 -0.17 -0.25	40.34 -0.45 -0.02	35.89 -0.56 -0.18	40.79 -0.69 0.00	21.28 -0.39 -0.61	4.56 -0.06 -1.39	4.03 -0.06 -0.78	1.27 0.02 -2.23	6.29 -0.10 -1.52	18.52 -0.37 -0.95	18.62 -0.39 -0.91	4.06 -0.06 -1.31	0.34 0.03 -1.49	6.48 -0.14 -1.40
CASSADAGA_WT_PWR 323784	26.27 0.63 -4.66	40.37 0.80 -0.85	33.29 0.64 -2.34	30.15 0.52 -2.62	32.56 0.35 -2.32	29.02 0.29 -3.26	26.42 0.22 -3.80	29.21 0.12 -2.35	34.28 0.19 -1.53	41.83 0.43 0.00	36.49 0.57 -1.23	41.90 1.02 -0.11	38.24 1.07 -0.90	42.32 0.83 -0.01	24.19 0.07 -3.05	10.23 0.01 -6.98	11.01 -0.01 -7.71	10.29 0.03 -11.24	12.46 -0.05 -7.64	22.91 0.18 -4.80	22.92 0.24 -4.58	9.43 0.01 -6.63	6.30 -0.03 -7.51	12.64 0.11 -7.31
CE_DUNWOOD___DRP 24194	49.94 1.59 -27.37	46.41 2.66 -5.03	46.13 2.07 -13.74	44.26 1.81 -15.43	45.45 1.90 -13.65	46.30 1.66 -19.17	46.28 1.54 -22.33	42.52 1.96 -13.82	43.95 2.40 -9.00	44.59 3.19 0.00	44.76 2.83 -7.23	44.85 3.42 -0.66	44.63 3.08 -5.27	44.97 3.49 0.00	40.82 1.83 -17.92	44.58 0.29 -41.05	48.96 0.29 -45.36	65.05 -0.09 -66.12	50.20 0.46 -44.87	47.79 1.63 -28.22	46.66 1.64 -26.92	41.98 0.25 -38.93	42.89 -0.11 -44.18	48.67 0.45 -43.00
CE_MILLWOOD___DRP 24193	49.78 1.56 -27.25	46.33 2.60 -5.00	46.02 2.03 -13.68	44.15 1.77 -15.36	45.35 1.87 -13.58	46.19 1.64 -19.08	46.14 1.51 -22.22	42.42 1.92 -13.75	43.86 2.35 -8.96	44.51 3.11 0.00	44.67 2.78 -7.20	44.77 3.35 -0.66	44.54 3.01 -5.25	44.89 3.41 0.00	40.70 1.79 -17.84	44.38 0.28 -40.86	48.74 0.28 -45.15	64.74 -0.08 -65.81	49.98 0.45 -44.66	47.62 1.60 -28.09	46.50 1.60 -26.79	41.79 0.24 -38.74	42.69 -0.11 -43.97	48.46 0.44 -42.79
CE_NYC2_DRP 24202	50.18 1.73 -27.48	46.71 2.94 -5.05	46.41 2.30 -13.79	44.52 2.02 -15.49	45.67 2.08 -13.70	46.54 1.83 -19.25	46.55 1.73 -22.42	42.83 2.22 -13.87	44.28 2.70 -9.03	45.02 3.62 0.00	45.13 3.17 -7.26	45.25 3.82 -0.66	45.03 3.47 -5.29	45.36 3.88 0.00	41.12 2.07 -17.99	44.77 0.32 -41.21	49.16 0.32 -45.53	65.29 -0.09 -66.37	50.43 0.52 -45.04	48.08 1.81 -28.33	46.95 1.83 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.50 -43.16



CE_NYC_DRP 24195	50.19 1.76 -27.46	46.76 2.99 -5.04	46.43 2.33 -13.78	44.52 2.03 -15.48	45.69 2.11 -13.69	46.55 1.86 -19.23	46.51 1.71 -22.40	42.80 2.20 -13.86	44.25 2.67 -9.03	44.98 3.58 0.00	45.07 3.13 -7.25	45.22 3.79 -0.66	45.01 3.44 -5.29	45.36 3.87 0.00	41.09 2.05 -17.97	44.73 0.32 -41.18	49.12 0.32 -45.49	65.23 -0.09 -66.31	50.39 0.52 -45.00	48.06 1.82 -28.31	46.92 1.82 -27.00	42.13 0.28 -39.04	43.01 -0.12 -44.31	48.84 0.49 -43.12
CHAFFEE___LFGE 323603	25.49 -0.07 -4.58	39.01 -0.55 -0.84	32.26 -0.36 -2.30	29.23 -0.37 -2.58	31.79 -0.39 -2.28	28.51 -0.16 -3.20	25.92 -0.22 -3.73	28.48 -0.57 -2.31	33.29 -0.77 -1.50	40.70 -0.70 0.00	35.58 -0.32 -1.21	40.92 0.04 -0.11	37.35 0.19 -0.88	41.17 -0.32 -0.01	23.69 -0.38 -3.00	10.12 0.02 -6.87	10.88 -0.02 -7.58	10.09 0.01 -11.06	12.30 -0.08 -7.51	22.62 -0.03 -4.72	22.58 -0.02 -4.50	9.28 -0.03 -6.51	6.18 -0.02 -7.38	12.47 0.06 -7.19
CHATEAUG_WT_PWR 323614	20.80 -0.17 0.00	38.52 -0.20 0.00	30.15 -0.17 0.00	26.88 -0.13 0.00	29.80 -0.10 0.00	25.44 -0.02 0.00	22.43 0.03 0.00	26.75 0.01 0.00	32.50 -0.05 0.00	41.17 -0.23 0.00	34.38 -0.32 0.00	40.03 -0.75 0.00	35.49 -0.79 0.00	40.47 -1.02 0.00	20.29 -0.78 0.00	3.03 -0.20 0.00	-0.25 -0.20 0.00	-0.92 0.06 0.00	4.55 -0.32 0.00	16.70 -1.23 0.00	16.91 -1.19 0.00	2.65 -0.15 0.00	-1.11 0.08 0.00	4.63 -0.35 0.24
CHAT_HIGH_FALL_HYD 323578	20.79 -0.19 0.00	38.51 -0.22 0.00	30.15 -0.17 0.00	26.87 -0.14 0.00	29.79 -0.10 0.00	25.42 -0.04 0.00	22.41 0.01 0.00	26.73 -0.01 0.00	32.47 -0.08 0.00	41.16 -0.24 0.00	34.35 -0.35 0.00	40.04 -0.73 0.00	35.54 -0.74 0.00	40.51 -0.98 0.00	20.32 -0.75 0.00	3.05 -0.18 0.00	-0.17 -0.19 0.00	-0.93 0.05 0.00	4.58 -0.29 0.00	16.81 -1.12 0.00	17.01 -1.09 0.00	2.66 -0.13 0.00	-1.11 0.07 0.00	4.67 -0.32 0.24
CHAUTAUQUA___LFGE 323629	25.89 0.32 -4.59	39.80 0.24 -0.84	32.81 0.19 -2.30	29.73 0.14 -2.58	32.18 0.00 -2.29	28.77 0.09 -3.21	26.16 0.02 -3.74	28.90 -0.15 -2.31	33.87 -0.19 -1.51	41.39 -0.02 0.00	36.10 0.19 -1.21	41.55 0.67 -0.11	37.93 0.77 -0.88	41.98 0.49 -0.01	24.00 -0.07 -3.00	10.14 0.03 -6.88	10.91 0.00 -7.60	10.11 0.02 -11.08	12.35 -0.05 -7.52	22.81 0.15 -4.73	22.75 0.14 -4.51	9.32 -0.01 -6.52	6.19 -0.03 -7.40	12.54 0.11 -7.20
CH_MIDHUDSON___DRP 24192	50.59 1.51 -28.11	46.43 2.55 -5.16	46.40 1.97 -14.11	44.59 1.73 -15.85	45.75 1.84 -14.01	46.75 1.59 -19.69	46.80 1.47 -22.93	42.78 1.85 -14.19	44.08 2.29 -9.24	44.39 2.99 0.00	44.78 2.66 -7.43	44.64 3.19 -0.68	44.57 2.88 -5.42	44.74 3.26 0.00	41.18 1.71 -18.40	45.66 0.27 -42.15	50.16 0.27 -46.58	66.82 -0.08 -67.89	51.38 0.44 -46.07	48.45 1.54 -28.98	47.29 1.55 -27.64	43.01 0.24 -39.97	44.08 -0.10 -45.37	49.79 0.42 -44.15
CH_MISC_IPPS 23765	49.93 1.57 -27.38	46.40 2.64 -5.03	46.12 2.05 -13.74	44.26 1.80 -15.44	45.46 1.92 -13.65	46.32 1.67 -19.18	46.28 1.54 -22.34	42.50 1.94 -13.82	43.94 2.38 -9.00	44.53 3.13 0.00	44.71 2.78 -7.23	44.78 3.35 -0.66	44.59 3.04 -5.28	44.91 3.42 0.00	40.79 1.79 -17.93	44.59 0.29 -41.07	48.97 0.29 -45.38	65.07 -0.09 -66.14	50.21 0.45 -44.88	47.78 1.62 -28.23	46.65 1.62 -26.93	41.99 0.25 -38.94	42.91 -0.11 -44.20	48.67 0.44 -43.01
CH_RES_BVR_FALLS 23983	19.05 -0.16 1.77	38.16 -0.23 0.32	29.25 -0.18 0.89	25.85 -0.16 1.00	28.83 -0.18 0.88	24.06 -0.17 1.24	20.76 -0.20 1.44	25.56 -0.29 0.89	31.61 -0.36 0.58	40.90 -0.50 0.00	33.64 -0.59 0.46	39.77 -0.96 0.04	35.06 -0.88 0.34	40.59 -0.90 0.00	19.46 -0.45 1.16	0.50 -0.09 2.65	2.07 -0.10 1.15	-5.23 0.02 4.27	1.83 -0.15 2.90	15.52 -0.59 1.82	15.77 -0.59 1.74	0.20 -0.09 2.51	-3.99 0.04 2.85	2.42 -0.16 2.65
CH_RES_NIAGARA 23895	23.94 -1.24 -4.20	36.80 -2.69 -0.77	30.42 -2.00 -2.10	27.62 -1.76 -2.36	30.16 -1.82 -2.09	26.92 -1.48 -2.94	24.40 -1.42 -3.42	26.88 -1.98 -2.11	31.37 -2.56 -1.38	38.46 -2.94 0.00	33.56 -2.24 -1.11	38.59 -2.28 -0.10	35.21 -1.87 -0.81	38.81 -2.68 0.00	22.32 -1.49 -2.75	9.40 -0.13 -6.30	10.09 -0.16 -6.95	9.21 0.05 -10.14	11.45 -0.31 -6.89	21.37 -0.90 -4.33	21.30 -0.93 -4.13	8.60 -0.17 -5.97	5.62 0.04 -6.76	11.63 -0.17 -6.57
CH_RES_SYRACUSE 23985	23.79 0.01 -2.81	39.17 -0.07 -0.52	31.66 -0.07 -1.41	28.53 -0.06 -1.58	31.24 -0.06 -1.40	27.40 -0.03 -1.97	24.67 -0.02 -2.29	28.15 0.00 -1.42	33.51 0.04 -0.92	41.52 0.12 0.00	35.61 0.17 -0.74	41.11 0.28 -0.07	37.09 0.28 -0.54	41.71 0.23 0.00	22.99 0.08 -1.83	7.47 0.03 -4.21	7.98 0.03 -4.65	5.78 -0.01 -6.77	9.50 0.03 -4.60	20.97 0.15 -2.89	20.99 0.13 -2.76	6.80 0.01 -3.99	3.34 -0.01 -4.53	9.65 0.02 -4.41
CLINTON_WT_PWR 323605	20.80 -0.17 0.00	38.52 -0.20 0.00	30.15 -0.17 0.00	26.88 -0.13 0.00	29.80 -0.10 0.00	25.44 -0.02 0.00	22.43 0.03 0.00	26.75 0.01 0.00	32.50 -0.05 0.00	41.17 -0.23 0.00	34.38 -0.32 0.00	40.03 -0.75 0.00	35.49 -0.79 0.00	40.47 -1.02 0.00	20.29 -0.78 0.00	3.03 -0.20 0.00	-0.25 -0.20 0.00	-0.92 0.06 0.00	4.55 -0.32 0.00	16.70 -1.23 0.00	16.91 -1.19 0.00	2.65 -0.15 0.00	-1.11 0.08 0.00	4.63 -0.35 0.24
CLINTON___LFGE 323618	21.05 0.08 0.00	38.98 0.26 0.00	30.52 0.19 0.00	27.20 0.19 0.00	30.15 0.26 0.00	25.74 0.28 0.00	22.71 0.31 0.00	27.09 0.35 0.00	32.95 0.40 0.00	41.79 0.39 0.00	34.94 0.24 0.00	40.69 -0.08 0.00	36.08 -0.20 0.00	41.15 -0.34 0.00	20.63 -0.44 0.00	3.09 -0.14 0.00	-0.18 -0.15 0.00	-0.94 0.04 0.00	4.63 -0.24 0.00	16.98 -0.95 0.00	17.17 -0.93 0.00	2.69 -0.11 0.00	-1.12 0.06 0.00	4.70 -0.28 0.24
COLONIE_LFGE___ 323577	60.45 1.29 -38.18	48.01 2.28 -7.01	51.31 1.82 -19.17	50.15 1.61 -21.53	50.73 1.80 -19.04	53.70 1.49 -26.74	54.85 1.30 -31.15	47.54 1.53 -19.27	47.08 1.98 -12.55	43.71 2.31 0.00	46.80 2.02 -10.09	44.04 2.35 -0.92	45.75 2.11 -7.36	43.93 2.44 0.00	47.34 1.28 -25.00	60.70 0.20 -57.26	66.89 0.21 -63.37	91.17 -0.06 -92.22	67.76 0.30 -62.58	58.44 1.14 -39.37	56.79 1.15 -37.54	57.28 0.18 -54.30	60.37 -0.08 -61.62	65.54 0.34 -59.98
COPENHAGEN_WT_PWR 323753	21.81 -0.40 -1.24	38.26 -0.68 -0.23	30.44 -0.50 -0.62	27.29 -0.42 -0.70	30.05 -0.46 -0.62	25.87 -0.46 -0.87	22.90 -0.51 -1.01	26.77 -0.59 -0.63	32.30 -0.65 -0.41	40.64 -0.76 0.00	34.41 -0.61 -0.33	39.62 -1.18 -0.03	35.20 -1.32 -0.24	39.92 -1.56 0.00	21.04 -0.84 -0.81	4.96 -0.13 -1.86	4.64 -0.14 -1.47	2.05 0.05 -2.99	6.69 -0.21 -2.03	18.43 -0.78 -1.28	18.52 -0.80 -1.22	4.44 -0.12 -1.76	0.87 0.06 -2.00	6.87 -0.26 -1.90
CORNELL_____ 23752	27.71 0.56 -6.17	40.78 0.92 -1.13	34.11 0.69 -3.10	31.09 0.60 -3.48	33.62 0.65 -3.08	30.38 0.58 -4.32	27.95 0.52 -5.04	30.56 0.70 -3.12	35.51 0.93 -2.03	42.70 1.30 0.00	37.49 1.16 -1.63	42.37 1.45 -0.15	38.80 1.34 -1.19	42.87 1.38 0.00	25.77 0.66 -4.04	12.61 0.12 -9.26	13.66 0.12 -10.23	13.89 -0.03 -14.91	15.16 0.17 -10.12	24.96 0.66 -6.36	24.80 0.63 -6.07	11.66 0.09 -8.78	8.74 -0.04 -9.96	15.09 0.17 -9.69



COXSACKIE___GT 23611	52.15 1.28 -29.90	46.43 2.22 -5.49	47.06 1.73 -15.01	45.40 1.53 -16.86	46.49 1.69 -14.91	47.80 1.39 -20.94	48.03 1.24 -24.39	43.35 1.52 -15.09	44.30 1.93 -9.83	43.85 2.45 0.00	44.71 2.11 -7.90	43.94 2.45 -0.72	44.28 2.24 -5.76	44.13 2.64 0.00	42.02 1.38 -19.57	48.29 0.22 -44.84	53.07 0.22 -49.54	71.17 -0.07 -72.22	54.22 0.34 -49.00	50.01 1.26 -30.83	48.76 1.26 -29.40	45.51 0.19 -42.52	46.99 -0.08 -48.26	52.54 0.35 -46.96
CPV_VALLEY___CC1 323721	45.38 1.09 -23.32	44.80 1.79 -4.28	43.43 1.40 -11.71	41.39 1.23 -13.15	42.81 1.29 -11.63	42.94 1.14 -16.33	42.49 1.07 -19.02	39.85 1.34 -11.77	41.86 1.64 -7.67	43.56 2.16 0.00	42.81 1.96 -6.16	43.72 2.38 -0.56	42.92 2.16 -4.49	43.92 2.44 0.00	37.61 1.27 -15.27	38.41 0.21 -34.97	42.15 0.20 -38.64	55.28 -0.06 -56.33	43.42 0.33 -38.22	43.11 1.14 -24.04	42.18 1.15 -22.93	36.14 0.17 -33.16	36.38 -0.08 -37.64	42.16 0.31 -36.63
CPV_VALLEY___CC2 323722	45.38 1.09 -23.32	44.80 1.79 -4.28	43.43 1.40 -11.71	41.39 1.23 -13.15	42.81 1.29 -11.63	42.94 1.14 -16.33	42.49 1.07 -19.02	39.85 1.34 -11.77	41.86 1.64 -7.67	43.56 2.16 0.00	42.81 1.96 -6.16	43.72 2.38 -0.56	42.92 2.16 -4.49	43.92 2.44 0.00	37.61 1.27 -15.27	38.41 0.21 -34.97	42.15 0.20 -38.64	55.28 -0.06 -56.33	43.42 0.33 -38.22	43.11 1.14 -24.04	42.18 1.15 -22.93	36.14 0.17 -33.16	36.38 -0.08 -37.64	42.16 0.31 -36.63
CRESCENT___HYD 24018	60.45 1.29 -38.18	48.01 2.28 -7.01	51.31 1.82 -19.17	50.15 1.61 -21.53	50.73 1.80 -19.04	53.70 1.49 -26.74	54.85 1.30 -31.15	47.54 1.53 -19.27	47.08 1.98 -12.55	43.71 2.31 0.00	46.80 2.02 -10.09	44.04 2.35 -0.92	45.75 2.11 -7.36	43.93 2.44 0.00	47.34 1.28 -25.00	60.70 0.20 -57.26	66.89 0.21 -63.37	91.17 -0.06 -92.22	67.76 0.30 -62.58	58.44 1.14 -39.37	56.79 1.15 -37.54	57.28 0.18 -54.30	60.37 -0.08 -61.62	65.54 0.34 -59.98
CRICKET___VALLEY_CC1 323756	51.02 1.27 -28.78	46.14 2.14 -5.29	46.40 1.63 -14.45	44.68 1.44 -16.23	45.77 1.53 -14.35	46.96 1.34 -20.16	47.11 1.23 -23.48	42.81 1.55 -14.53	43.95 1.93 -9.46	43.89 2.50 0.00	44.55 2.25 -7.60	44.14 2.68 -0.69	44.22 2.40 -5.54	44.21 2.73 0.00	41.36 1.45 -18.84	46.62 0.23 -43.16	51.23 0.23 -47.69	68.47 -0.07 -69.52	52.41 0.36 -47.17	48.90 1.30 -29.67	47.70 1.30 -28.30	43.93 0.20 -40.93	45.19 -0.08 -46.45	50.78 0.35 -45.21
CRICKET___VALLEY_CC2 323757	51.02 1.27 -28.78	46.14 2.14 -5.29	46.40 1.63 -14.45	44.68 1.44 -16.23	45.77 1.53 -14.35	46.96 1.34 -20.16	47.11 1.23 -23.48	42.81 1.55 -14.53	43.95 1.93 -9.46	43.89 2.50 0.00	44.55 2.25 -7.60	44.14 2.68 -0.69	44.22 2.40 -5.54	44.21 2.73 0.00	41.36 1.45 -18.84	46.62 0.23 -43.16	51.23 0.23 -47.69	68.47 -0.07 -69.52	52.41 0.36 -47.17	48.90 1.30 -29.67	47.70 1.30 -28.30	43.93 0.20 -40.93	45.19 -0.08 -46.45	50.78 0.35 -45.21
CRICKET___VALLEY_CC3 323758	51.02 1.27 -28.78	46.14 2.14 -5.29	46.40 1.63 -14.45	44.68 1.44 -16.23	45.77 1.53 -14.35	46.96 1.34 -20.16	47.11 1.23 -23.48	42.81 1.55 -14.53	43.95 1.93 -9.46	43.89 2.50 0.00	44.55 2.25 -7.60	44.14 2.68 -0.69	44.22 2.40 -5.54	44.21 2.73 0.00	41.36 1.45 -18.84	46.62 0.23 -43.16	51.23 0.23 -47.69	68.47 -0.07 -69.52	52.41 0.36 -47.17	48.90 1.30 -29.67	47.70 1.30 -28.30	43.93 0.20 -40.93	45.19 -0.08 -46.45	50.78 0.35 -45.21
CRUCIBLE_METL_DRP 24180	23.79 0.01 -2.81	39.17 -0.07 -0.52	31.66 -0.07 -1.41	28.53 -0.06 -1.58	31.24 -0.06 -1.40	27.40 -0.03 -1.97	24.67 -0.02 -2.29	28.15 0.00 -1.42	33.51 0.04 -0.92	41.52 0.12 0.00	35.61 0.17 -0.74	41.11 0.28 -0.07	37.09 0.28 -0.54	41.71 0.23 0.00	22.99 0.08 -1.83	7.47 0.03 -4.21	7.98 0.03 -4.65	5.78 -0.01 -6.77	9.50 0.03 -4.60	20.97 0.15 -2.89	20.99 0.13 -2.76	6.80 0.01 -3.99	3.34 -0.01 -4.53	9.65 0.02 -4.41
DAHOWA___HYDRO 323763	61.57 1.41 -39.18	48.34 2.43 -7.20	51.89 1.90 -19.67	50.77 1.66 -22.09	51.30 1.87 -19.54	54.43 1.52 -27.44	55.74 1.37 -31.96	48.18 1.67 -19.78	47.73 2.30 -12.88	43.98 2.58 0.00	47.30 2.25 -10.35	44.36 2.65 -0.94	46.20 2.38 -7.55	44.21 2.72 0.00	48.13 1.41 -25.65	62.22 0.22 -58.76	68.59 0.24 -65.04	93.58 -0.07 -94.64	69.44 0.35 -64.22	59.62 1.29 -40.40	57.90 1.27 -38.53	58.72 0.20 -55.72	61.97 -0.08 -63.24	67.13 0.36 -61.55
DANC___LFGE 323619	22.15 -0.43 -1.60	38.22 -0.79 -0.29	30.53 -0.60 -0.80	27.39 -0.53 -0.90	30.12 -0.58 -0.80	26.06 -0.53 -1.12	23.19 -0.52 -1.31	26.95 -0.60 -0.81	32.40 -0.68 -0.53	40.63 -0.77 0.00	34.51 -0.61 -0.42	39.85 -0.95 -0.04	35.58 -1.00 -0.31	40.29 -1.19 0.00	21.47 -0.64 -1.05	5.54 -0.10 -2.40	5.47 -0.10 -2.26	2.91 0.03 -3.86	7.34 -0.15 -2.62	19.01 -0.56 -1.65	19.09 -0.59 -1.57	4.99 -0.09 -2.28	1.44 0.04 -2.58	7.53 -0.18 -2.48
DANSKAMMER___1 23586	49.93 1.57 -27.38	46.40 2.64 -5.03	46.12 2.05 -13.74	44.26 1.80 -15.44	45.46 1.92 -13.65	46.32 1.67 -19.18	46.28 1.54 -22.34	42.50 1.94 -13.82	43.94 2.38 -9.00	44.53 3.13 0.00	44.71 2.78 -7.23	44.78 3.35 -0.66	44.59 3.04 -5.28	44.91 3.42 0.00	40.79 1.79 -17.93	44.59 0.29 -41.07	48.97 0.29 -45.38	65.07 -0.09 -66.14	50.21 0.45 -44.88	47.78 1.62 -28.23	46.65 1.62 -26.93	41.99 0.25 -38.94	42.91 -0.11 -44.20	48.67 0.44 -43.01
DANSKAMMER___2 23589	49.93 1.57 -27.38	46.40 2.64 -5.03	46.12 2.05 -13.74	44.26 1.80 -15.44	45.46 1.92 -13.65	46.32 1.67 -19.18	46.28 1.54 -22.34	42.50 1.94 -13.82	43.94 2.38 -9.00	44.53 3.13 0.00	44.71 2.78 -7.23	44.78 3.35 -0.66	44.59 3.04 -5.28	44.91 3.42 0.00	40.79 1.79 -17.93	44.59 0.29 -41.07	48.97 0.29 -45.38	65.07 -0.09 -66.14	50.21 0.45 -44.88	47.78 1.62 -28.23	46.65 1.62 -26.93	41.99 0.25 -38.94	42.91 -0.11 -44.20	48.67 0.44 -43.01
DANSKAMMER___3 23590	49.93 1.57 -27.38	46.40 2.64 -5.03	46.12 2.05 -13.74	44.26 1.80 -15.44	45.46 1.92 -13.65	46.32 1.67 -19.18	46.28 1.54 -22.34	42.50 1.94 -13.82	43.94 2.38 -9.00	44.53 3.13 0.00	44.71 2.78 -7.23	44.78 3.35 -0.66	44.59 3.04 -5.28	44.91 3.42 0.00	40.79 1.79 -17.93	44.59 0.29 -41.07	48.97 0.29 -45.38	65.07 -0.09 -66.14	50.21 0.45 -44.88	47.78 1.62 -28.23	46.65 1.62 -26.93	41.99 0.25 -38.94	42.91 -0.11 -44.20	48.67 0.44 -43.01
DANSKAMMER___4 23591	49.93 1.57 -27.38	46.40 2.64 -5.03	46.12 2.05 -13.74	44.26 1.80 -15.44	45.46 1.92 -13.65	46.32 1.67 -19.18	46.28 1.54 -22.34	42.50 1.94 -13.82	43.94 2.38 -9.00	44.53 3.13 0.00	44.71 2.78 -7.23	44.78 3.35 -0.66	44.59 3.04 -5.28	44.91 3.42 0.00	40.79 1.79 -17.93	44.59 0.29 -41.07	48.97 0.29 -45.38	65.07 -0.09 -66.14	50.21 0.45 -44.88	47.78 1.62 -28.23	46.65 1.62 -26.93	41.99 0.25 -38.94	42.91 -0.11 -44.20	48.67 0.44 -43.01
DANSKAMMER___DIESEL 23592	49.93 1.57 -27.38	46.40 2.64 -5.03	46.12 2.05 -13.74	44.26 1.80 -15.44	45.46 1.92 -13.65	46.32 1.67 -19.18	46.28 1.54 -22.34	42.50 1.94 -13.82	43.94 2.38 -9.00	44.53 3.13 0.00	44.71 2.78 -7.23	44.78 3.35 -0.66	44.59 3.04 -5.28	44.91 3.42 0.00	40.79 1.79 -17.93	44.59 0.29 -41.07	48.97 0.29 -45.38	65.07 -0.09 -66.14	50.21 0.45 -44.88	47.78 1.62 -28.23	46.65 1.62 -26.93	41.99 0.25 -38.94	42.91 -0.11 -44.20	48.67 0.44 -43.01



DASHVILLE___HYD 23610	49.93 1.20 -27.75	45.80 1.99 -5.10	45.79 1.54 -13.93	44.01 1.35 -15.65	45.17 1.44 -13.84	46.14 1.23 -19.44	46.18 1.14 -22.64	42.21 1.47 -14.01	43.47 1.80 -9.12	43.76 2.36 0.00	44.16 2.13 -7.33	44.02 2.58 -0.67	43.94 2.31 -5.35	44.11 2.62 0.00	40.63 1.39 -18.17	45.08 0.22 -41.62	49.52 0.22 -45.99	65.99 -0.07 -67.04	50.72 0.36 -45.49	47.80 1.26 -28.62	46.65 1.26 -27.29	42.46 0.19 -39.47	43.53 -0.08 -44.79	49.16 0.34 -43.59
DELAWARE___LFGE 323621	32.56 0.84 -10.75	42.15 1.46 -1.97	36.84 1.12 -5.40	34.06 0.99 -6.06	36.36 1.11 -5.36	33.92 0.92 -7.53	31.98 0.81 -8.77	33.20 1.03 -5.43	37.37 1.29 -3.53	43.12 1.72 0.00	39.06 1.52 -2.84	42.89 1.86 -0.26	40.02 1.67 -2.07	43.33 1.85 0.00	29.02 0.92 -7.04	19.50 0.15 -16.12	21.27 0.15 -17.81	24.94 -0.04 -25.96	22.72 0.23 -17.62	29.85 0.84 -11.08	29.51 0.84 -10.57	18.21 0.13 -15.29	16.11 -0.05 -17.35	22.34 0.23 -16.88
DOGLEVILLE___HYD 23807	20.68 0.38 0.67	39.30 0.70 0.12	30.61 0.62 0.34	27.18 0.55 0.38	30.17 0.61 0.34	25.47 0.47 0.47	22.20 0.35 0.55	26.76 0.36 0.34	32.92 0.60 0.22	41.99 0.59 0.00	35.02 0.51 0.18	41.37 0.62 0.02	36.63 0.48 0.13	41.95 0.46 0.00	20.89 0.27 0.44	2.26 0.04 1.01	2.39 0.04 0.97	-2.63 -0.01 1.63	3.85 0.09 1.11	17.57 0.34 0.70	17.79 0.36 0.66	1.88 0.04 0.96	-2.29 -0.02 1.09	4.25 0.07 1.05
DUNKIRK___1 23563	25.86 0.30 -4.58	39.75 0.18 -0.84	32.76 0.14 -2.30	29.68 0.09 -2.58	32.14 -0.04 -2.28	28.74 0.07 -3.20	26.14 0.00 -3.74	28.88 -0.17 -2.31	33.83 -0.23 -1.50	41.35 -0.05 0.00	36.07 0.17 -1.21	41.54 0.66 -0.11	37.92 0.76 -0.88	41.95 0.46 -0.01	23.99 -0.08 -3.00	10.13 0.03 -6.87	10.90 0.01 -7.59	10.09 0.02 -11.06	12.34 -0.05 -7.51	22.81 0.16 -4.72	22.75 0.14 -4.50	9.30 -0.01 -6.51	6.18 -0.03 -7.39	12.53 0.12 -7.19
DUNKIRK___2 23564	25.86 0.30 -4.58	39.75 0.18 -0.84	32.76 0.14 -2.30	29.68 0.09 -2.58	32.14 -0.04 -2.28	28.74 0.07 -3.20	26.14 0.00 -3.74	28.88 -0.17 -2.31	33.83 -0.23 -1.50	41.35 -0.05 0.00	36.07 0.17 -1.21	41.54 0.66 -0.11	37.92 0.76 -0.88	41.95 0.46 -0.01	23.99 -0.08 -3.00	10.13 0.03 -6.87	10.90 0.01 -7.59	10.09 0.02 -11.06	12.34 -0.05 -7.51	22.81 0.16 -4.72	22.75 0.14 -4.50	9.30 -0.01 -6.51	6.18 -0.03 -7.39	12.53 0.12 -7.19
DUNKIRK___3 23565	25.55 0.02 -4.55	39.24 -0.32 -0.84	32.37 -0.23 -2.28	29.34 -0.24 -2.56	31.83 -0.33 -2.27	28.50 -0.15 -3.19	25.91 -0.21 -3.71	28.59 -0.44 -2.30	33.46 -0.59 -1.49	40.91 -0.49 0.00	35.70 -0.19 -1.20	41.12 0.24 -0.11	37.54 0.38 -0.88	41.50 0.01 -0.01	23.78 -0.27 -2.98	10.08 0.03 -6.82	10.84 -0.01 -7.54	10.02 0.02 -10.99	12.27 -0.07 -7.46	22.67 0.05 -4.69	22.59 0.01 -4.47	9.24 -0.03 -6.47	6.14 -0.02 -7.34	12.45 0.09 -7.14
DUNKIRK___4 23566	25.55 0.02 -4.55	39.24 -0.32 -0.84	32.37 -0.23 -2.28	29.34 -0.24 -2.56	31.83 -0.33 -2.27	28.50 -0.15 -3.19	25.91 -0.21 -3.71	28.59 -0.44 -2.30	33.46 -0.59 -1.49	40.91 -0.49 0.00	35.70 -0.19 -1.20	41.12 0.24 -0.11	37.54 0.38 -0.88	41.50 0.01 -0.01	23.78 -0.27 -2.98	10.08 0.03 -6.82	10.84 -0.01 -7.54	10.02 0.02 -10.99	12.27 -0.07 -7.46	22.67 0.05 -4.69	22.59 0.01 -4.47	9.24 -0.03 -6.47	6.14 -0.02 -7.34	12.45 0.09 -7.14
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	50.11 1.67 -27.47	46.60 2.83 -5.04	46.31 2.20 -13.79	44.43 1.93 -15.49	45.61 2.02 -13.70	46.47 1.76 -19.24	46.43 1.62 -22.41	42.68 2.07 -13.86	44.10 2.52 -9.03	44.75 3.35 0.00	44.92 2.97 -7.26	45.00 3.57 -0.66	44.79 3.22 -5.29	45.12 3.64 0.00	40.97 1.92 -17.98	44.73 0.30 -41.20	49.13 0.30 -45.52	65.27 -0.09 -66.35	50.38 0.48 -45.02	47.95 1.70 -28.32	46.82 1.71 -27.01	42.13 0.26 -39.07	43.04 -0.11 -44.33	48.83 0.46 -43.14
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	48.72 1.38 -26.36	45.87 2.31 -4.84	45.35 1.79 -13.23	43.45 1.58 -14.86	44.70 1.67 -13.14	45.39 1.46 -18.46	45.27 1.36 -21.51	41.76 1.71 -13.31	43.31 2.09 -8.67	44.14 2.74 0.00	44.12 2.46 -6.96	44.38 2.98 -0.64	44.06 2.70 -5.08	44.52 3.03 0.00	39.91 1.59 -17.26	43.03 0.26 -39.54	47.25 0.26 -43.69	62.62 -0.08 -63.68	48.49 0.40 -43.21	46.55 1.44 -27.18	45.47 1.44 -25.92	40.51 0.22 -37.49	41.27 -0.09 -42.55	47.02 0.39 -41.41
E179THST_138_KV_TB4_REV_LBMP_J 345001	50.13 1.67 -27.48	46.68 2.91 -5.05	46.38 2.27 -13.79	44.52 2.01 -15.49	45.64 2.05 -13.70	46.50 1.78 -19.25	46.51 1.69 -22.42	42.79 2.18 -13.87	44.22 2.63 -9.03	44.96 3.56 0.00	45.05 3.10 -7.26	45.15 3.71 -0.66	44.93 3.36 -5.29	45.30 3.82 0.00	41.10 2.04 -17.99	44.76 0.31 -41.21	49.16 0.32 -45.53	65.29 -0.09 -66.37	50.42 0.51 -45.04	48.05 1.79 -28.33	46.96 1.83 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.88 0.49 -43.16
EAST HAMPTON___GT 23717	51.41 2.92 -27.52	48.51 4.73 -5.06	47.92 3.78 -13.81	45.72 3.19 -15.52	47.01 3.39 -13.72	47.65 2.91 -19.28	47.57 2.72 -22.45	43.96 3.33 -13.89	45.76 4.16 -9.05	47.17 5.77 0.00	47.00 5.03 -7.27	47.15 5.72 -0.66	46.53 4.95 -5.30	47.25 5.77 0.00	42.11 3.03 -18.02	44.99 0.48 -41.28	49.39 0.47 -45.61	65.35 -0.14 -66.48	50.78 0.80 -45.11	49.07 2.77 -28.37	47.99 2.82 -27.06	42.38 0.44 -39.14	43.06 -0.18 -44.42	49.19 0.74 -43.23
EAST RIVER___6 23660	50.06 1.63 -27.46	46.56 2.80 -5.04	46.31 2.20 -13.78	44.41 1.91 -15.48	45.57 1.99 -13.69	46.44 1.75 -19.23	46.42 1.62 -22.40	42.71 2.11 -13.86	44.18 2.61 -9.03	44.85 3.45 0.00	44.94 2.99 -7.25	45.05 3.62 -0.66	44.83 3.27 -5.29	45.14 3.65 0.00	41.01 1.96 -17.97	44.72 0.31 -41.18	49.11 0.31 -45.49	65.24 -0.09 -66.31	50.38 0.50 -45.00	47.99 1.76 -28.31	46.85 1.75 -27.00	42.11 0.27 -39.04	43.01 -0.12 -44.31	48.82 0.47 -43.12
EAST RIVER___7 23524	50.06 1.63 -27.46	46.56 2.80 -5.04	46.31 2.20 -13.78	44.41 1.91 -15.48	45.57 1.99 -13.69	46.44 1.75 -19.23	46.42 1.62 -22.40	42.71 2.11 -13.86	44.18 2.61 -9.03	44.85 3.45 0.00	44.94 2.99 -7.25	45.05 3.62 -0.66	44.83 3.27 -5.29	45.14 3.65 0.00	41.01 1.96 -17.97	44.72 0.31 -41.18	49.11 0.31 -45.49	65.24 -0.09 -66.31	50.38 0.50 -45.00	47.99 1.76 -28.31	46.85 1.75 -27.00	42.11 0.27 -39.04	43.01 -0.12 -44.31	48.82 0.47 -43.12
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	49.94 1.59 -27.37	46.41 2.66 -5.03	46.13 2.07 -13.74	44.26 1.81 -15.43	45.45 1.90 -13.65	46.30 1.66 -19.17	46.28 1.54 -22.33	42.52 1.96 -13.82	43.95 2.40 -9.00	44.59 3.19 0.00	44.76 2.83 -7.23	44.85 3.42 -0.66	44.63 3.08 -5.27	44.97 3.49 0.00	40.82 1.83 -17.92	44.58 0.29 -41.05	48.96 0.29 -45.36	65.05 -0.09 -66.12	50.20 0.46 -44.87	47.79 1.63 -28.22	46.66 1.64 -26.92	41.98 0.25 -38.93	42.89 -0.11 -44.18	48.67 0.45 -43.00
EAST_HAMPTON___DIESEL 23722	51.41 2.92 -27.52	48.51 4.73 -5.06	47.92 3.78 -13.81	45.73 3.20 -15.52	47.01 3.40 -13.72	47.65 2.91 -19.28	47.57 2.72 -22.45	43.97 3.33 -13.89	45.76 4.16 -9.05	47.18 5.78 0.00	47.00 5.03 -7.27	47.15 5.72 -0.66	46.54 4.96 -5.30	47.26 5.78 0.00	42.12 3.03 -18.02	44.99 0.48 -41.28	49.39 0.47 -45.61	65.35 -0.14 -66.48	50.78 0.80 -45.11	49.07 2.77 -28.37	47.99 2.82 -27.06	42.38 0.44 -39.14	43.06 -0.18 -44.42	49.19 0.74 -43.23



EAST_RIVER___1 323558	50.19 1.76 -27.46	46.76 2.99 -5.04	46.43 2.33 -13.78	44.52 2.03 -15.48	45.69 2.11 -13.69	46.55 1.86 -19.23	46.51 1.71 -22.40	42.80 2.20 -13.86	44.25 2.67 -9.03	44.98 3.58 0.00	45.07 3.13 -7.25	45.22 3.79 -0.66	45.01 3.44 -5.29	45.36 3.87 0.00	41.09 2.05 -17.97	44.73 0.32 -41.18	49.12 0.32 -45.49	65.23 -0.09 -66.31	50.39 0.52 -45.00	48.06 1.82 -28.31	46.92 1.82 -27.00	42.13 0.28 -39.04	43.01 -0.12 -44.31	48.84 0.49 -43.12
EAST_RIVER___2 323559	50.06 1.63 -27.46	46.56 2.80 -5.04	46.31 2.20 -13.78	44.41 1.91 -15.48	45.57 1.99 -13.69	46.44 1.75 -19.23	46.42 1.62 -22.40	42.71 2.11 -13.86	44.18 2.61 -9.03	44.85 3.45 0.00	44.94 2.99 -7.25	45.05 3.62 -0.66	44.83 3.27 -5.29	45.14 3.65 0.00	41.01 1.96 -17.97	44.72 0.31 -41.18	49.11 0.31 -45.49	65.24 -0.09 -66.31	50.38 0.50 -45.00	47.99 1.76 -28.31	46.85 1.75 -27.00	42.11 0.27 -39.04	43.01 -0.12 -44.31	48.82 0.47 -43.12
EAST___DELAWARE_HYD 23607	47.12 2.45 -23.70	47.39 4.32 -4.35	45.60 3.39 -11.89	43.37 3.00 -13.36	45.01 3.30 -11.82	44.95 2.88 -16.60	44.36 2.63 -19.33	41.93 3.22 -11.96	44.25 3.91 -7.79	46.36 4.96 0.00	45.18 4.23 -6.26	46.50 5.16 -0.57	45.48 4.64 -4.56	46.62 5.13 0.00	39.19 2.61 -15.51	39.19 0.42 -35.54	43.01 0.43 -39.26	56.12 -0.13 -57.23	44.38 0.67 -38.84	44.75 2.39 -24.43	43.81 2.41 -23.30	36.87 0.37 -33.70	36.91 -0.16 -38.24	43.09 0.65 -37.22
ELEC_TRO_TEK 24086	50.39 1.90 -27.52	46.89 3.11 -5.06	46.61 2.48 -13.81	44.61 2.08 -15.52	45.81 2.19 -13.72	46.62 1.87 -19.28	46.61 1.75 -22.45	42.84 2.21 -13.89	44.31 2.71 -9.05	45.15 3.75 0.00	45.39 3.43 -7.27	45.43 3.99 -0.66	45.02 3.45 -5.30	45.49 4.01 0.00	41.20 2.11 -18.02	44.84 0.33 -41.28	49.24 0.33 -45.61	65.39 -0.10 -66.48	50.52 0.54 -45.11	48.15 1.85 -28.37	47.06 1.90 -27.06	42.24 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
ELLENBURG_WT_PWR 323604	20.80 -0.17 0.00	38.52 -0.20 0.00	30.15 -0.17 0.00	26.88 -0.13 0.00	29.80 -0.10 0.00	25.44 -0.02 0.00	22.43 0.03 0.00	26.75 0.01 0.00	32.50 -0.05 0.00	41.17 -0.23 0.00	34.38 -0.32 0.00	40.03 -0.75 0.00	35.49 -0.79 0.00	40.47 -1.02 0.00	20.29 -0.78 0.00	3.03 -0.20 0.00	-0.25 -0.20 3.36	-0.92 0.06 0.00	4.55 -0.32 0.00	16.70 -1.23 0.00	16.91 -1.19 0.00	2.65 -0.15 0.00	-1.11 0.08 0.00	4.63 -0.35 0.24
ELM_ST_23_KV_LD_REV_LBMP_A 345012	24.81 -0.54 -4.38	38.11 -1.41 -0.80	31.51 -1.01 -2.20	28.56 -0.92 -2.47	31.10 -0.98 -2.18	27.86 -0.67 -3.06	25.29 -0.68 -3.57	27.83 -1.13 -2.21	32.51 -1.48 -1.44	39.82 -1.58 0.00	34.73 -1.12 -1.16	39.94 -0.93 -0.11	36.46 -0.66 -0.84	40.22 -1.27 -0.01	23.11 -0.82 -2.86	9.76 -0.04 -6.57	10.49 -0.07 -7.25	9.61 0.03 -10.57	11.89 -0.16 -7.18	22.10 -0.34 -4.51	22.05 -0.36 -4.30	8.94 -0.09 -6.22	5.88 0.00 -7.06	12.05 -0.04 -6.87
EMPIRE_CC_1 323656	56.46 1.15 -34.33	47.07 2.04 -6.30	49.19 1.64 -17.23	47.82 1.46 -19.36	48.63 1.62 -17.12	50.86 1.34 -24.04	51.57 1.16 -28.01	45.43 1.36 -17.33	45.55 1.71 -11.29	43.43 2.03 0.00	45.57 1.81 -9.07	43.69 2.09 -0.83	44.76 1.87 -6.61	43.65 2.16 0.00	44.69 1.14 -22.47	54.90 0.18 -51.49	60.38 0.18 -56.89	81.89 -0.05 -82.93	61.41 0.27 -56.27	54.34 1.01 -35.40	52.88 1.02 -33.76	51.78 0.16 -48.83	54.16 -0.07 -55.41	59.46 0.31 -53.92
EMPIRE_CC_2 323658	56.46 1.15 -34.33	47.07 2.04 -6.30	49.19 1.64 -17.23	47.82 1.46 -19.36	48.63 1.62 -17.12	50.86 1.34 -24.04	51.57 1.16 -28.01	45.43 1.36 -17.33	45.55 1.71 -11.29	43.43 2.03 0.00	45.57 1.81 -9.07	43.69 2.09 -0.83	44.76 1.87 -6.61	43.65 2.16 0.00	44.69 1.14 -22.47	54.90 0.18 -51.49	60.38 0.18 -56.89	81.89 -0.05 -82.93	61.41 0.27 -56.27	54.34 1.01 -35.40	52.88 1.02 -33.76	51.78 0.16 -48.83	54.16 -0.07 -55.41	59.46 0.31 -53.92
ERIE_WT_PWR 323693	25.18 -0.27 -4.47	38.64 -0.90 -0.82	31.94 -0.62 -2.25	28.94 -0.59 -2.52	31.49 -0.63 -2.23	28.23 -0.37 -3.13	25.64 -0.42 -3.65	28.20 -0.81 -2.26	32.96 -1.06 -1.47	40.32 -1.08 0.00	35.19 -0.68 -1.18	40.48 -0.39 -0.11	36.96 -0.18 -0.86	40.76 -0.73 -0.01	23.41 -0.58 -2.93	9.94 0.00 -6.71	10.68 -0.04 -7.41	9.84 0.02 -10.80	12.10 -0.11 -7.34	22.39 -0.16 -4.61	22.33 -0.17 -4.40	9.11 -0.06 -6.36	6.03 -0.01 -7.21	12.25 0.01 -7.02
ETNA_115_KV_TB1_REV_LBMP_C 345029	27.64 0.53 -6.14	40.71 0.87 -1.13	34.05 0.65 -3.08	31.03 0.56 -3.46	33.57 0.61 -3.06	30.31 0.55 -4.30	27.89 0.48 -5.01	30.50 0.66 -3.10	35.44 0.87 -2.02	42.62 1.22 0.00	37.42 1.10 -1.62	42.29 1.38 -0.15	38.72 1.27 -1.18	42.80 1.32 0.00	25.70 0.62 -4.02	12.55 0.12 -9.20	13.59 0.11 -10.17	13.81 -0.03 -14.82	15.09 0.16 -10.06	24.88 0.63 -6.33	24.73 0.60 -6.04	11.61 0.08 -8.73	8.69 -0.04 -9.90	15.02 0.16 -9.64
E_CANADA_CAP_HY 24051	71.10 1.28 -48.85	50.01 2.32 -8.97	56.54 1.70 -24.52	56.07 1.52 -27.55	55.96 1.71 -24.36	61.13 1.45 -34.21	63.53 1.28 -39.85	53.10 1.71 -24.66	50.71 2.10 -16.06	44.19 2.79 0.00	49.85 2.25 -12.90	44.49 2.54 -1.18	47.87 2.18 -9.41	43.78 2.30 0.00	54.12 1.08 -31.98	76.67 0.18 -73.26	84.54 0.19 -81.04	116.95 -0.05 -117.99	85.22 0.29 -80.06	69.30 1.00 -50.37	67.13 1.00 -48.03	72.44 0.16 -69.47	77.61 -0.05 -78.84	82.21 0.25 -76.73
E_CANADA_MHWK_HY 24050	20.68 0.38 0.67	39.30 0.70 0.12	30.61 0.62 0.34	27.18 0.55 0.38	30.17 0.61 0.34	25.47 0.47 0.47	22.20 0.35 0.55	26.76 0.36 0.34	32.92 0.60 0.22	41.99 0.59 0.00	35.02 0.51 0.18	41.37 0.62 0.02	36.63 0.48 0.13	41.95 0.46 0.00	20.89 0.27 0.44	2.26 0.04 1.01	2.39 0.04 0.97	-2.63 -0.01 1.63	3.85 0.09 1.11	17.57 0.34 0.70	17.79 0.36 0.66	1.88 0.04 0.96	-2.29 -0.02 1.09	4.25 0.07 1.05
E_FISHKILL___LBMP 23776	50.24 1.44 -27.82	46.26 2.43 -5.11	46.17 1.88 -13.97	44.35 1.65 -15.69	45.51 1.74 -13.87	46.47 1.51 -19.49	46.49 1.39 -22.70	42.54 1.76 -14.04	43.86 2.16 -9.15	44.25 2.85 0.00	44.59 2.54 -7.35	44.50 3.05 -0.67	44.39 2.75 -5.36	44.59 3.11 0.00	40.93 1.64 -18.21	45.22 0.26 -41.73	49.67 0.26 -46.10	66.14 -0.08 -67.20	50.89 0.41 -45.60	48.08 1.46 -28.69	46.93 1.47 -27.36	42.59 0.23 -39.57	43.63 -0.10 -44.91	49.32 0.40 -43.70
FALCON___SEABRD_CC1 323796	21.03 0.06 0.00	38.95 0.23 0.00	30.50 0.18 0.00	27.18 0.17 0.00	30.13 0.24 0.00	25.73 0.26 0.00	22.69 0.29 0.00	27.07 0.33 0.00	32.91 0.36 0.00	41.69 0.29 0.00	34.84 0.14 0.00	40.57 -0.20 0.00	35.97 -0.31 0.00	41.04 -0.45 0.00	20.57 -0.50 0.00	3.08 -0.16 0.00	-0.20 -0.16 3.35	-0.94 0.05 0.00	4.61 -0.26 0.00	16.91 -1.02 0.00	17.09 -1.01 0.00	2.68 -0.12 0.00	-1.12 0.06 0.00	4.68 -0.30 0.24
FALCON___SEABRD_CC2 323797	21.03 0.06 0.00	38.95 0.23 0.00	30.50 0.18 0.00	27.18 0.17 0.00	30.13 0.24 0.00	25.73 0.26 0.00	22.69 0.29 0.00	27.07 0.33 0.00	32.91 0.36 0.00	41.69 0.29 0.00	34.84 0.14 0.00	40.57 -0.20 0.00	35.97 -0.31 0.00	41.04 -0.45 0.00	20.57 -0.50 0.00	3.08 -0.16 0.00	-0.20 -0.16 3.35	-0.94 0.05 0.00	4.61 -0.26 0.00	16.91 -1.02 0.00	17.09 -1.01 0.00	2.68 -0.12 0.00	-1.12 0.06 0.00	4.68 -0.30 0.24



FAR ROCKAWAY___4 23548	50.63 2.13 -27.52	47.30 3.52 -5.06	46.92 2.78 -13.81	44.88 2.35 -15.52	46.10 2.48 -13.72	46.87 2.13 -19.28	46.83 1.98 -22.45	43.11 2.47 -13.89	44.65 3.06 -9.05	45.57 4.17 0.00	45.80 3.84 -7.27	45.94 4.51 -0.66	45.45 3.87 -5.30	45.97 4.49 0.00	41.44 2.36 -18.02	44.88 0.37 -41.28	49.29 0.37 -45.61	65.38 -0.11 -66.48	50.59 0.61 -45.11	48.39 2.08 -28.37	47.30 2.13 -27.06	42.27 0.34 -39.14	43.10 -0.14 -44.42	49.02 0.57 -43.23
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	50.21 1.78 -27.46	46.78 3.01 -5.04	46.45 2.35 -13.78	44.54 2.05 -15.48	45.72 2.14 -13.69	46.57 1.87 -19.23	46.53 1.73 -22.40	42.83 2.23 -13.86	44.28 2.70 -9.03	45.03 3.63 0.00	45.11 3.16 -7.25	45.26 3.83 -0.66	45.05 3.48 -5.29	45.40 3.92 0.00	41.11 2.07 -17.98	44.74 0.33 -41.18	49.13 0.32 -45.50	65.24 -0.10 -66.32	50.40 0.52 -45.01	48.07 1.84 -28.31	46.94 1.84 -27.00	42.13 0.28 -39.05	43.01 -0.12 -44.32	48.85 0.50 -43.13
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	50.22 1.78 -27.46	46.80 3.03 -5.04	46.47 2.36 -13.78	44.55 2.06 -15.48	45.73 2.15 -13.69	46.58 1.88 -19.23	46.53 1.73 -22.40	42.83 2.23 -13.86	44.28 2.70 -9.03	45.04 3.64 0.00	45.12 3.17 -7.25	45.28 3.85 -0.66	45.05 3.48 -5.29	45.42 3.93 0.00	41.13 2.08 -17.98	44.74 0.33 -41.18	49.13 0.32 -45.50	65.24 -0.10 -66.32	50.40 0.52 -45.00	48.09 1.85 -28.31	46.95 1.85 -27.00	42.13 0.28 -39.05	43.01 -0.12 -44.32	48.85 0.50 -43.13
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	50.19 1.76 -27.46	46.76 3.00 -5.04	46.44 2.33 -13.78	44.53 2.04 -15.48	45.71 2.12 -13.69	46.56 1.86 -19.23	46.51 1.71 -22.40	42.81 2.21 -13.86	44.25 2.68 -9.03	45.00 3.59 0.00	45.09 3.14 -7.25	45.24 3.80 -0.66	45.01 3.45 -5.29	45.38 3.89 0.00	41.11 2.06 -17.98	44.74 0.33 -41.18	49.13 0.32 -45.50	65.24 -0.09 -66.32	50.40 0.52 -45.00	48.06 1.82 -28.31	46.93 1.83 -27.00	42.13 0.28 -39.05	43.01 -0.12 -44.32	48.84 0.49 -43.13
FARRAGUT___LBMP 323566	50.19 1.75 -27.46	46.74 2.97 -5.04	46.42 2.31 -13.78	44.51 2.02 -15.48	45.69 2.10 -13.69	46.54 1.84 -19.23	46.50 1.70 -22.40	42.79 2.19 -13.86	44.23 2.65 -9.03	44.97 3.57 0.00	45.07 3.12 -7.25	45.22 3.78 -0.66	44.99 3.43 -5.29	45.35 3.86 0.00	41.09 2.04 -17.98	44.74 0.32 -41.18	49.13 0.32 -45.50	65.24 -0.09 -66.32	50.39 0.52 -45.00	48.05 1.81 -28.31	46.91 1.81 -27.00	42.13 0.28 -39.05	43.01 -0.12 -44.32	48.84 0.49 -43.13
FENNER___WINDPWR 24204	24.37 0.33 -3.06	39.91 0.63 -0.56	32.37 0.52 -1.53	29.20 0.46 -1.72	31.90 0.49 -1.52	28.05 0.44 -2.14	25.29 0.40 -2.49	28.81 0.53 -1.54	34.24 0.68 -1.01	42.34 0.94 0.00	36.32 0.82 -0.81	41.77 0.92 -0.07	37.71 0.85 -0.59	42.37 0.88 0.00	23.49 0.42 -2.00	7.90 0.08 -4.59	8.45 0.08 -5.07	6.38 -0.02 -7.38	9.97 0.08 -5.01	21.41 0.32 -3.15	21.41 0.30 -3.01	7.18 0.04 -4.35	3.74 -0.02 -4.94	10.10 0.07 -4.80
FIBERTEK___ENERGY 23856	23.79 0.01 -2.81	39.17 -0.07 -0.52	31.66 -0.07 -1.41	28.53 -0.06 -1.58	31.24 -0.06 -1.40	27.40 -0.03 -1.97	24.67 -0.02 -2.29	28.15 0.00 -1.42	33.51 0.04 -0.92	41.52 0.12 0.00	35.61 0.17 -0.74	41.11 0.28 -0.07	37.09 0.28 -0.54	41.71 0.23 0.00	22.99 0.08 -1.83	7.47 0.03 -4.21	7.98 0.03 -4.65	5.78 -0.01 -6.77	9.50 0.03 -4.60	20.97 0.15 -2.89	20.99 0.13 -2.76	6.80 0.01 -3.99	3.34 -0.01 -4.53	9.65 0.02 -4.41
FITZPATRICK___ 23598	22.25 -0.49 -1.76	38.08 -0.96 -0.32	30.45 -0.75 -0.88	27.33 -0.67 -0.99	30.02 -0.75 -0.88	26.08 -0.61 -1.23	23.29 -0.54 -1.43	26.98 -0.65 -0.89	32.35 -0.78 -0.58	40.47 -0.93 0.00	34.42 -0.74 -0.46	39.99 -0.82 -0.04	35.90 -0.72 -0.34	40.62 -0.87 0.00	21.76 -0.46 -1.15	5.81 -0.06 -2.63	6.16 -0.07 -2.91	3.28 0.02 -4.25	7.65 -0.10 -2.88	19.39 -0.35 -1.81	19.46 -0.37 -1.73	5.24 -0.06 -2.50	1.68 0.02 -2.84	7.87 -0.11 -2.76
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	50.07 1.61 -27.48	46.49 2.72 -5.05	46.22 2.11 -13.79	44.36 1.85 -15.50	45.57 1.97 -13.70	46.43 1.71 -19.25	46.40 1.58 -22.42	42.61 2.00 -13.87	44.04 2.45 -9.03	44.63 3.23 0.00	44.81 2.85 -7.26	44.88 3.44 -0.66	44.69 3.11 -5.29	45.00 3.52 0.00	40.90 1.84 -17.99	44.74 0.30 -41.22	49.14 0.30 -45.54	65.31 -0.09 -66.38	50.39 0.47 -45.04	47.92 1.66 -28.33	46.79 1.66 -27.02	42.14 0.26 -39.08	43.06 -0.11 -44.35	48.83 0.45 -43.16
FORT ORANGE___ 23900	58.45 0.96 -36.52	47.19 1.76 -6.71	50.04 1.38 -18.33	48.84 1.24 -20.59	49.49 1.39 -18.21	52.16 1.11 -25.58	53.14 0.95 -29.79	46.22 1.05 -18.43	45.86 1.30 -12.01	42.97 1.56 0.00	45.73 1.39 -9.65	43.29 1.64 -0.88	44.83 1.52 -7.04	43.28 1.79 0.00	45.92 0.94 -23.91	58.15 0.14 -54.77	63.97 0.14 -60.51	87.18 -0.05 -88.21	64.95 0.22 -59.86	56.41 0.83 -37.65	54.84 0.83 -35.91	54.87 0.13 -51.94	57.70 -0.06 -58.94	62.84 0.26 -57.36
FORT_DRUM_COGEN 23780	21.73 -0.34 -1.10	38.33 -0.60 -0.20	30.42 -0.45 -0.55	27.25 -0.38 -0.62	30.03 -0.42 -0.55	25.84 -0.39 -0.77	22.89 -0.41 -0.90	26.86 -0.43 -0.55	32.46 -0.45 -0.36	40.92 -0.48 0.00	34.61 -0.37 -0.29	40.04 -0.76 -0.03	35.61 -0.88 -0.21	40.41 -1.08 0.00	21.21 -0.58 -0.72	4.78 -0.09 -1.64	4.37 -0.09 -1.16	1.69 0.03 -2.65	6.52 -0.14 -1.79	18.52 -0.53 -1.13	18.62 -0.56 -1.08	4.27 -0.09 -1.56	0.63 0.04 -1.77	6.70 -0.19 -1.67
FPL FAR_ROCK_GT1 24212	50.63 2.13 -27.52	47.30 3.52 -5.06	46.92 2.78 -13.81	44.88 2.35 -15.52	46.10 2.48 -13.72	46.87 2.13 -19.28	46.83 1.98 -22.45	43.11 2.47 -13.89	44.65 3.06 -9.05	45.57 4.17 0.00	45.80 3.84 -7.27	45.94 4.51 -0.66	45.45 3.87 -5.30	45.97 4.49 0.00	41.44 2.36 -18.02	44.88 0.37 -41.28	49.29 0.37 -45.61	65.38 -0.11 -66.48	50.59 0.61 -45.11	48.39 2.08 -28.37	47.30 2.13 -27.06	42.27 0.34 -39.14	43.10 -0.14 -44.42	49.02 0.57 -43.23
FPL FAR_ROCK_GT2 23815	50.63 2.13 -27.52	47.30 3.52 -5.06	46.92 2.78 -13.81	44.88 2.35 -15.52	46.10 2.48 -13.72	46.87 2.13 -19.28	46.83 1.98 -22.45	43.11 2.47 -13.89	44.65 3.06 -9.05	45.57 4.17 0.00	45.80 3.84 -7.27	45.94 4.51 -0.66	45.45 3.87 -5.30	45.97 4.49 0.00	41.44 2.36 -18.02	44.88 0.37 -41.28	49.29 0.37 -45.61	65.38 -0.11 -66.48	50.59 0.61 -45.11	48.39 2.08 -28.37	47.30 2.13 -27.06	42.27 0.34 -39.14	43.10 -0.14 -44.42	49.02 0.57 -43.23
FRANKLIN_FALL_HYD 24054	20.84 -0.13 0.00	38.58 -0.14 0.00	30.21 -0.11 0.00	26.92 -0.09 0.00	29.83 -0.06 0.00	25.47 0.00 0.00	22.45 0.05 0.00	26.81 0.07 0.00	32.56 0.01 0.00	41.38 -0.03 0.00	34.58 -0.11 0.00	40.36 -0.41 0.00	35.79 -0.49 0.00	40.80 -0.69 0.00	20.54 -0.53 0.00	3.09 -0.14 0.00	0.03 -0.14 3.13	-0.94 0.04 0.00	4.65 -0.22 0.00	17.07 -0.86 0.00	17.26 -0.84 0.00	2.70 -0.10 0.00	-1.13 0.06 0.00	4.75 -0.25 0.22
FREEPORT_EQU_S_GT1 23764	50.56 2.07 -27.52	47.15 3.38 -5.06	46.82 2.68 -13.81	44.78 2.25 -15.52	45.99 2.38 -13.72	46.76 2.02 -19.28	46.74 1.89 -22.45	43.00 2.37 -13.89	44.53 2.93 -9.05	45.46 4.06 0.00	45.65 3.68 -7.27	45.69 4.25 -0.66	45.22 3.65 -5.30	45.75 4.26 0.00	41.34 2.25 -18.02	44.86 0.36 -41.28	49.26 0.35 -45.61	65.39 -0.10 -66.48	50.56 0.58 -45.11	48.29 1.98 -28.37	47.20 2.04 -27.06	42.26 0.32 -39.14	43.10 -0.13 -44.42	49.00 0.55 -43.23



FREEPORT___CT2 23818	50.56 2.07 -27.52	47.15 3.38 -5.06	46.82 2.68 -13.81	44.78 2.25 -15.52	45.99 2.38 -13.72	46.76 2.02 -19.28	46.74 1.89 -22.45	43.00 2.37 -13.89	44.53 2.93 -9.05	45.46 4.06 0.00	45.65 3.68 -7.27	45.69 4.25 -0.66	45.22 3.65 -5.30	45.75 4.26 0.00	41.34 2.25 -18.02	44.86 0.36 -41.28	49.26 0.35 -45.61	65.39 -0.10 -66.48	50.56 0.58 -45.11	48.29 1.98 -28.37	47.20 2.04 -27.06	42.26 0.32 -39.14	43.10 -0.13 -44.42	49.00 0.55 -43.23
FULTON COGEN____ 23766	22.94 -0.25 -2.22	38.58 -0.55 -0.41	31.01 -0.43 -1.11	27.86 -0.40 -1.25	30.56 -0.44 -1.11	26.67 -0.35 -1.55	23.91 -0.30 -1.81	27.51 -0.35 -1.12	32.88 -0.40 -0.73	41.01 -0.39 0.00	35.03 -0.25 -0.58	40.57 -0.25 -0.05	36.50 -0.21 -0.43	41.19 -0.29 0.00	22.35 -0.17 -1.45	6.54 -0.02 -3.33	6.96 -0.02 -3.67	4.38 0.01 -5.35	8.47 -0.03 -3.63	20.10 -0.11 -2.29	20.15 -0.13 -2.18	5.93 -0.03 -3.15	2.40 0.01 -3.58	8.66 -0.05 -3.48
FULTON___LFGE 323630	69.24 2.39 -45.88	51.38 4.23 -8.43	56.57 3.22 -23.03	55.76 2.87 -25.87	56.00 3.23 -22.87	60.35 2.75 -32.13	62.23 2.41 -37.42	53.03 3.13 -23.16	51.62 3.99 -15.08	46.59 5.19 0.00	51.02 4.20 -12.12	46.94 5.06 -1.11	49.67 4.55 -8.84	46.60 5.12 0.00	53.61 2.51 -30.03	72.42 0.38 -68.80	79.85 0.42 -76.12	109.70 -0.13 -110.81	80.69 0.62 -75.19	67.48 2.25 -47.30	65.48 2.27 -45.11	68.40 0.35 -65.24	72.73 -0.13 -74.05	77.88 0.58 -72.07
G.F.CEMENT___DRP 24184	61.72 1.34 -39.40	48.22 2.27 -7.24	51.85 1.75 -19.78	50.75 1.52 -22.22	51.23 1.69 -19.65	54.42 1.35 -27.60	55.80 1.26 -32.14	48.18 1.55 -19.89	47.73 2.23 -12.96	43.81 2.41 0.00	47.23 2.12 -10.41	44.21 2.49 -0.95	46.11 2.24 -7.59	44.03 2.55 0.00	48.18 1.31 -25.79	62.54 0.21 -59.09	68.95 0.23 -65.40	94.12 -0.07 -95.17	69.79 0.33 -64.58	59.77 1.21 -40.63	58.03 1.18 -38.74	59.02 0.18 -56.04	62.34 -0.07 -63.59	67.45 0.33 -61.89
GARDENVILLE___LBMP 24039	25.13 -0.33 -4.48	38.52 -1.02 -0.82	31.85 -0.72 -2.25	28.86 -0.68 -2.52	31.40 -0.72 -2.23	28.14 -0.46 -3.13	25.56 -0.49 -3.65	28.13 -0.87 -2.26	32.87 -1.15 -1.47	40.21 -1.19 0.00	35.11 -0.77 -1.18	40.37 -0.51 -0.11	36.85 -0.29 -0.86	40.65 -0.84 -0.01	23.37 -0.63 -2.93	9.94 -0.01 -6.71	10.68 -0.05 -7.42	9.85 0.02 -10.81	12.09 -0.13 -7.34	22.34 -0.20 -4.62	22.28 -0.22 -4.40	9.10 -0.07 -6.37	6.03 0.00 -7.22	12.25 0.00 -7.03
GENERAL___MILLS 23808	25.17 -0.28 -4.47	38.61 -0.93 -0.82	31.92 -0.65 -2.25	28.92 -0.61 -2.52	31.47 -0.65 -2.23	28.21 -0.39 -3.13	25.62 -0.43 -3.65	28.19 -0.81 -2.26	32.94 -1.08 -1.47	40.32 -1.08 0.00	35.19 -0.69 -1.18	40.46 -0.41 -0.11	36.95 -0.19 -0.86	40.76 -0.73 -0.01	23.42 -0.57 -2.93	9.94 0.00 -6.71	10.68 -0.04 -7.41	9.84 0.02 -10.80	12.10 -0.11 -7.34	22.39 -0.15 -4.61	22.33 -0.17 -4.40	9.11 -0.06 -6.36	6.03 -0.01 -7.21	12.25 0.01 -7.02
GE_PLASTICS___DRP 24183	57.66 0.97 -35.71	47.03 1.75 -6.56	49.62 1.38 -17.93	48.38 1.23 -20.14	49.08 1.38 -17.81	51.60 1.12 -25.01	52.50 0.96 -29.13	45.87 1.10 -18.03	45.66 1.36 -11.74	43.07 1.67 0.00	45.61 1.48 -9.43	43.38 1.75 -0.86	44.76 1.60 -6.88	43.35 1.87 0.00	45.43 0.99 -23.38	56.95 0.15 -53.56	62.64 0.15 -59.18	85.23 -0.05 -86.26	63.64 0.23 -58.54	55.62 0.87 -36.82	54.09 0.87 -35.12	53.73 0.13 -50.79	56.40 -0.06 -57.64	61.58 0.27 -56.09
GILBOA___1 23756	48.61 0.89 -26.74	45.24 1.61 -4.91	45.01 1.27 -13.42	43.22 1.14 -15.08	44.56 1.33 -13.33	45.21 1.01 -18.73	45.04 0.83 -21.81	41.26 1.02 -13.50	42.60 1.25 -8.79	42.98 1.58 0.00	43.18 1.42 -7.06	43.12 1.71 -0.64	42.97 1.54 -5.15	43.23 1.75 0.00	39.49 0.92 -17.51	43.48 0.15 -40.10	47.76 0.15 -44.31	63.56 -0.04 -64.59	48.91 0.21 -43.83	46.30 0.80 -27.57	45.22 0.83 -26.29	40.95 0.12 -38.03	41.92 -0.06 -43.16	47.48 0.26 -42.00
GILBOA___2 23757	48.61 0.89 -26.74	45.24 1.61 -4.91	45.01 1.27 -13.42	43.22 1.14 -15.08	44.56 1.33 -13.33	45.21 1.01 -18.73	45.04 0.83 -21.81	41.26 1.02 -13.50	42.60 1.25 -8.79	42.98 1.58 0.00	43.18 1.42 -7.06	43.12 1.71 -0.64	42.97 1.54 -5.15	43.23 1.75 0.00	39.49 0.92 -17.51	43.48 0.15 -40.10	47.76 0.15 -44.31	63.56 -0.04 -64.59	48.91 0.21 -43.83	46.30 0.80 -27.57	45.22 0.83 -26.29	40.95 0.12 -38.03	41.92 -0.06 -43.16	47.48 0.26 -42.00
GILBOA___3 23758	48.61 0.89 -26.74	45.24 1.61 -4.91	45.01 1.27 -13.42	43.22 1.14 -15.08	44.56 1.33 -13.33	45.21 1.01 -18.73	45.04 0.83 -21.81	41.26 1.02 -13.50	42.60 1.25 -8.79	42.98 1.58 0.00	43.18 1.42 -7.06	43.12 1.71 -0.64	42.97 1.54 -5.15	43.23 1.75 0.00	39.49 0.92 -17.51	43.48 0.15 -40.10	47.76 0.15 -44.31	63.56 -0.04 -64.59	48.91 0.21 -43.83	46.30 0.80 -27.57	45.22 0.83 -26.29	40.95 0.12 -38.03	41.92 -0.06 -43.16	47.48 0.26 -42.00
GILBOA___4 23759	48.61 0.89 -26.74	45.24 1.61 -4.91	45.01 1.27 -13.42	43.22 1.14 -15.08	44.56 1.33 -13.33	45.21 1.01 -18.73	45.04 0.83 -21.81	41.26 1.02 -13.50	42.60 1.25 -8.79	42.98 1.58 0.00	43.18 1.42 -7.06	43.12 1.71 -0.64	42.97 1.54 -5.15	43.23 1.75 0.00	39.49 0.92 -17.51	43.48 0.15 -40.10	47.76 0.15 -44.31	63.56 -0.04 -64.59	48.91 0.21 -43.83	46.30 0.80 -27.57	45.22 0.83 -26.29	40.95 0.12 -38.03	41.92 -0.06 -43.16	47.48 0.26 -42.00
GILBOA____ 23599	48.61 0.89 -26.74	45.24 1.61 -4.91	45.01 1.27 -13.42	43.22 1.14 -15.08	44.56 1.33 -13.33	45.21 1.01 -18.73	45.04 0.83 -21.81	41.26 1.02 -13.50	42.60 1.25 -8.79	42.98 1.58 0.00	43.18 1.42 -7.06	43.12 1.71 -0.64	42.97 1.54 -5.15	43.23 1.75 0.00	39.49 0.92 -17.51	43.48 0.15 -40.10	47.76 0.15 -44.31	63.56 -0.04 -64.59	48.91 0.21 -43.83	46.30 0.80 -27.57	45.22 0.83 -26.29	40.95 0.12 -38.03	41.92 -0.06 -43.16	47.48 0.26 -42.00
GINNA____ 23603	23.04 -1.05 -3.12	37.13 -2.16 -0.57	30.17 -1.72 -1.56	27.22 -1.55 -1.76	29.77 -1.68 -1.55	26.31 -1.34 -2.18	23.76 -1.19 -2.54	26.82 -1.49 -1.57	31.78 -1.80 -1.03	39.31 -2.09 0.00	33.87 -1.65 -0.82	39.06 -1.79 -0.07	35.32 -1.55 -0.60	39.51 -1.97 0.00	22.06 -1.05 -2.04	7.78 -0.12 -4.67	8.34 -0.13 -5.16	6.58 0.04 -7.53	9.77 -0.21 -5.11	20.41 -0.72 -3.21	20.40 -0.76 -3.06	7.10 -0.13 -4.43	3.90 0.05 -5.03	9.88 -0.24 -4.89
GLEN PARK____ 23778	21.80 -0.34 -1.16	38.32 -0.62 -0.21	30.45 -0.46 -0.58	27.28 -0.39 -0.66	30.05 -0.42 -0.58	25.89 -0.39 -0.81	22.95 -0.40 -0.95	26.91 -0.42 -0.59	32.50 -0.43 -0.38	40.98 -0.41 0.00	34.70 -0.31 -0.31	40.12 -0.68 -0.03	35.70 -0.80 -0.22	40.49 -0.99 0.00	21.29 -0.54 -0.76	4.89 -0.08 -1.74	4.52 -0.08 -1.30	1.85 0.03 -2.81	6.65 -0.13 -1.90	18.64 -0.49 -1.20	18.73 -0.52 -1.14	4.37 -0.08 -1.65	0.73 0.04 -1.88	6.82 -0.19 -1.78
GLENWOOD_IC_1_G5 23712	50.38 1.89 -27.52	46.92 3.15 -5.06	46.62 2.49 -13.81	44.66 2.13 -15.52	45.84 2.23 -13.72	46.67 1.92 -19.28	46.64 1.79 -22.45	42.89 2.26 -13.89	44.38 2.78 -9.05	45.19 3.79 0.00	45.40 3.43 -7.27	45.48 4.04 -0.66	45.14 3.56 -5.30	45.58 4.09 0.00	41.25 2.16 -18.02	44.85 0.34 -41.28	49.25 0.34 -45.61	65.39 -0.10 -66.48	50.53 0.55 -45.11	48.21 1.90 -28.37	47.10 1.93 -27.06	42.24 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23



GLENWOOD_IC_2_G1 23688	50.29 1.79 -27.52	46.78 3.00 -5.06	46.50 2.36 -13.81	44.55 2.03 -15.52	45.74 2.13 -13.72	46.58 1.84 -19.28	46.56 1.71 -22.45	42.79 2.16 -13.89	44.25 2.65 -9.05	44.99 3.59 0.00	45.21 3.24 -7.27	45.27 3.84 -0.66	44.98 3.40 -5.30	45.38 3.90 0.00	41.14 2.06 -18.02	44.83 0.33 -41.28	49.24 0.32 -45.61	65.40 -0.09 -66.48	50.50 0.52 -45.11	48.12 1.81 -28.37	47.00 1.84 -27.06	42.22 0.29 -39.14	43.12 -0.12 -44.42	48.94 0.49 -43.23
GLENWOOD_IC_3_G1 23689	50.29 1.79 -27.52	46.78 3.00 -5.06	46.50 2.36 -13.81	44.55 2.03 -15.52	45.74 2.13 -13.72	46.58 1.84 -19.28	46.56 1.71 -22.45	42.79 2.16 -13.89	44.25 2.65 -9.05	44.99 3.59 0.00	45.21 3.24 -7.27	45.27 3.84 -0.66	44.98 3.40 -5.30	45.38 3.90 0.00	41.14 2.06 -18.02	44.83 0.33 -41.28	49.24 0.32 -45.61	65.40 -0.09 -66.48	50.50 0.52 -45.11	48.12 1.81 -28.37	47.00 1.84 -27.06	42.22 0.29 -39.14	43.12 -0.12 -44.42	48.94 0.49 -43.23
GLENWOOD___4 23550	50.38 1.89 -27.52	46.92 3.15 -5.06	46.62 2.49 -13.81	44.66 2.13 -15.52	45.84 2.23 -13.72	46.67 1.92 -19.28	46.64 1.79 -22.45	42.89 2.26 -13.89	44.38 2.78 -9.05	45.19 3.79 0.00	45.40 3.43 -7.27	45.48 4.04 -0.66	45.14 3.56 -5.30	45.58 4.09 0.00	41.25 2.16 -18.02	44.85 0.34 -41.28	49.25 0.34 -45.61	65.39 -0.10 -66.48	50.53 0.55 -45.11	48.21 1.90 -28.37	47.10 1.93 -27.06	42.24 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
GLENWOOD___5 23614	50.38 1.89 -27.52	46.92 3.15 -5.06	46.62 2.49 -13.81	44.66 2.13 -15.52	45.84 2.23 -13.72	46.67 1.92 -19.28	46.64 1.79 -22.45	42.89 2.26 -13.89	44.38 2.78 -9.05	45.19 3.79 0.00	45.40 3.43 -7.27	45.48 4.04 -0.66	45.14 3.56 -5.30	45.58 4.09 0.00	41.25 2.16 -18.02	44.85 0.34 -41.28	49.25 0.34 -45.61	65.39 -0.10 -66.48	50.53 0.55 -45.11	48.21 1.90 -28.37	47.10 1.93 -27.06	42.24 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
GLOBAL GREEN_PORT_GT1 23814	51.38 2.88 -27.52	48.44 4.66 -5.06	47.86 3.72 -13.81	45.67 3.14 -15.52	46.95 3.34 -13.72	47.60 2.86 -19.28	47.53 2.67 -22.45	43.92 3.29 -13.89	45.70 4.10 -9.05	47.12 5.72 0.00	46.95 4.98 -7.27	47.08 5.64 -0.66	46.46 4.88 -5.30	47.18 5.69 0.00	42.08 2.99 -18.02	44.98 0.47 -41.28	49.38 0.47 -45.61	65.35 -0.14 -66.48	50.77 0.79 -45.11	49.05 2.74 -28.37	47.95 2.79 -27.06	42.37 0.43 -39.14	43.06 -0.18 -44.42	49.19 0.74 -43.23
GLOBE___DSASP 323697	23.80 -1.33 -4.16	36.63 -2.86 -0.77	30.28 -2.14 -2.09	27.49 -1.88 -2.35	30.02 -1.95 -2.08	26.77 -1.62 -2.92	24.26 -1.54 -3.40	26.74 -2.10 -2.11	31.21 -2.71 -1.37	38.26 -3.14 0.00	33.39 -2.40 -1.10	38.41 -2.46 -0.10	35.05 -2.03 -0.80	38.63 -2.85 0.00	22.21 -1.59 -2.73	9.32 -0.15 -6.24	10.03 -0.18 -6.91	9.12 0.05 -10.04	11.34 -0.34 -6.80	21.22 -0.99 -4.29	21.17 -1.02 -4.09	8.52 -0.19 -5.91	5.60 0.04 -6.74	11.60 -0.18 -6.56
GOETHSLN___LBMP 323567	50.15 1.72 -27.46	46.67 2.91 -5.04	46.38 2.27 -13.78	44.47 1.97 -15.48	45.62 2.04 -13.69	46.50 1.80 -19.23	46.45 1.65 -22.40	42.74 2.14 -13.86	44.15 2.57 -9.03	44.89 3.49 0.00	44.97 3.02 -7.25	45.12 3.69 -0.66	44.93 3.36 -5.29	45.27 3.79 0.00	41.04 2.00 -17.98	44.73 0.32 -41.18	49.12 0.31 -45.50	65.25 -0.09 -66.32	50.39 0.51 -45.00	48.01 1.77 -28.31	46.88 1.78 -27.00	42.12 0.27 -39.05	43.02 -0.12 -44.32	48.82 0.47 -43.13
GOODYEAR_LAKE_HYD 323669	27.13 0.96 -5.19	41.35 1.67 -0.95	34.20 1.27 -2.61	31.06 1.12 -2.93	33.73 1.25 -2.59	30.16 1.05 -3.64	27.58 0.94 -4.24	30.60 1.24 -2.62	35.81 1.55 -1.71	43.50 2.10 0.00	37.90 1.84 -1.37	43.11 2.21 -0.13	39.24 1.96 -1.00	43.62 2.14 0.00	25.51 1.05 -3.40	11.19 0.17 -7.79	12.09 0.17 -8.60	11.51 -0.05 -12.54	13.64 0.26 -8.51	24.24 0.96 -5.35	24.15 0.95 -5.11	10.33 0.14 -7.38	7.14 -0.06 -8.38	13.63 0.25 -8.15
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	30.37 0.50 -8.90	41.15 0.80 -1.64	35.38 0.59 -4.47	32.54 0.51 -5.02	34.86 0.53 -4.44	32.18 0.48 -6.23	30.09 0.43 -7.26	31.78 0.55 -4.49	36.17 0.70 -2.93	42.38 0.98 0.00	37.96 0.91 -2.35	42.20 1.21 -0.21	39.11 1.12 -1.71	42.68 1.19 0.00	27.43 0.54 -5.82	16.68 0.10 -13.35	18.15 0.10 -14.75	20.49 -0.02 -21.49	19.59 0.13 -14.59	27.64 0.53 -9.18	27.35 0.50 -8.75	15.52 0.07 -12.65	13.15 -0.03 -14.36	19.36 0.16 -13.98
GOUDEY___7 23579	30.39 0.52 -8.90	41.19 0.83 -1.64	35.40 0.61 -4.47	32.55 0.53 -5.02	34.89 0.56 -4.44	32.20 0.50 -6.23	30.11 0.44 -7.26	31.81 0.57 -4.49	36.19 0.72 -2.93	42.41 1.01 0.00	37.99 0.94 -2.35	42.23 1.25 -0.21	39.14 1.15 -1.71	42.72 1.23 0.00	27.45 0.55 -5.82	16.68 0.10 -13.35	18.15 0.10 -14.75	20.49 -0.02 -21.49	19.59 0.13 -14.59	27.65 0.55 -9.18	27.37 0.52 -8.75	15.52 0.07 -12.65	13.15 -0.04 -14.36	19.36 0.16 -13.98
GOUDEY___8 23580	30.37 0.50 -8.90	41.15 0.80 -1.64	35.38 0.59 -4.47	32.54 0.51 -5.02	34.86 0.53 -4.44	32.18 0.48 -6.23	30.09 0.43 -7.26	31.78 0.55 -4.49	36.17 0.70 -2.93	42.38 0.98 0.00	37.96 0.91 -2.35	42.20 1.21 -0.21	39.11 1.12 -1.71	42.68 1.19 0.00	27.43 0.54 -5.82	16.68 0.10 -13.35	18.15 0.10 -14.75	20.49 -0.02 -21.49	19.59 0.13 -14.59	27.64 0.53 -9.18	27.35 0.50 -8.75	15.52 0.07 -12.65	13.15 -0.03 -14.36	19.36 0.16 -13.98
GOWANUS_GT1_1 24077	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT1_2 24078	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT1_3 24079	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT1_4 24080	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16



GOWANUS_GT1_5 24084	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT1_6 24111	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT1_7 24112	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT1_8 24113	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT2_1 24114	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT2_2 24115	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT2_3 24116	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT2_4 24117	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT2_5 24118	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT2_6 24119	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT2_7 24120	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT2_8 24121	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT3_1 24122	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT3_2 24123	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT3_3 24124	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16



GOWANUS_GT3_4 24125	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT3_5 24126	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT3_6 24127	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT3_7 24128	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT3_8 24129	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT4_1 24130	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT4_2 24131	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT4_3 24132	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT4_4 24133	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT4_5 24134	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT4_6 24135	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT4_7 24136	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GOWANUS_GT4_8 24137	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GREENIDGE___3 23582	26.82 0.37 -5.47	40.20 0.48 -1.01	33.41 0.34 -2.75	30.36 0.26 -3.09	32.89 0.27 -2.73	29.62 0.32 -3.83	27.17 0.30 -4.46	29.88 0.37 -2.76	34.84 0.49 -1.80	42.15 0.75 0.00	36.85 0.70 -1.45	41.91 1.01 -0.13	38.31 0.98 -1.05	42.41 0.92 0.00	25.01 0.36 -3.58	11.52 0.08 -8.21	12.45 0.08 -9.07	12.22 -0.02 -13.22	13.93 0.09 -8.97	24.00 0.43 -5.64	23.88 0.39 -5.38	10.63 0.05 -7.79	7.63 -0.03 -8.83	13.94 0.12 -8.60
GREENIDGE___4 23583	26.82 0.37 -5.47	40.20 0.48 -1.01	33.41 0.34 -2.75	30.36 0.26 -3.09	32.89 0.27 -2.73	29.62 0.32 -3.83	27.17 0.30 -4.46	29.88 0.37 -2.76	34.84 0.49 -1.80	42.15 0.75 0.00	36.85 0.70 -1.45	41.91 1.01 -0.13	38.31 0.98 -1.05	42.41 0.92 0.00	25.01 0.36 -3.58	11.52 0.08 -8.21	12.45 0.08 -9.07	12.22 -0.02 -13.22	13.93 0.09 -8.97	24.00 0.43 -5.64	23.88 0.39 -5.38	10.63 0.05 -7.79	7.63 -0.03 -8.83	13.94 0.12 -8.60



GREENWD_138_KV_38B11_REV_LBMP_J 345004	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
GROVEVILLE___HYD 323602	50.07 1.61 -27.48	46.49 2.72 -5.05	46.22 2.11 -13.79	44.36 1.85 -15.50	45.57 1.97 -13.70	46.43 1.71 -19.25	46.40 1.58 -22.42	42.61 2.00 -13.87	44.04 2.45 -9.03	44.63 3.23 0.00	44.81 2.85 -7.26	44.88 3.44 -0.66	44.69 3.11 -5.29	45.00 3.52 0.00	40.90 1.84 -17.99	44.74 0.30 -41.22	49.14 0.30 -45.54	65.31 -0.09 -66.38	50.39 0.47 -45.04	47.92 1.66 -28.33	46.79 1.66 -27.02	42.14 0.26 -39.08	43.06 -0.11 -44.35	48.83 0.45 -43.16
HAMPSHIRE___PAPER_HYD 323593	20.37 -0.61 0.00	37.68 -1.04 0.00	29.52 -0.80 0.00	26.31 -0.70 0.00	29.12 -0.78 0.00	24.81 -0.66 0.00	21.83 -0.57 0.00	26.10 -0.64 0.00	31.77 -0.78 0.00	40.44 -0.97 0.00	33.83 -0.86 0.00	39.59 -1.18 0.00	35.13 -1.15 0.00	40.12 -1.36 0.00	20.35 -0.71 0.00	3.11 -0.12 0.00	1.42 -0.12 1.77	-0.95 0.04 0.00	4.69 -0.18 0.00	17.23 -0.70 0.00	17.39 -0.71 0.00	2.70 -0.10 0.00	-1.13 0.05 0.00	4.89 -0.20 0.13
HARDSCRABBLE_WT_PWR 323673	20.56 0.26 0.67	39.16 0.57 0.12	30.47 0.49 0.34	27.07 0.44 0.38	30.04 0.49 0.34	25.35 0.36 0.47	22.09 0.24 0.55	26.62 0.22 0.34	32.72 0.39 0.22	41.73 0.33 0.00	34.75 0.23 0.18	41.02 0.26 0.02	36.22 0.07 0.13	41.41 -0.08 0.00	20.62 0.00 0.44	2.21 -0.01 1.01	2.34 0.00 0.97	-2.62 0.00 1.63	3.80 0.03 1.11	17.35 0.11 0.70	17.55 0.12 0.66	1.85 0.01 0.96	-2.27 0.00 1.09	4.18 0.00 1.05
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	47.37 1.45 -24.95	45.71 2.41 -4.58	44.71 1.87 -12.52	42.73 1.66 -14.07	44.07 1.73 -12.44	44.48 1.54 -17.47	44.19 1.44 -20.35	41.13 1.79 -12.59	42.95 2.20 -8.20	44.29 2.89 0.00	43.88 2.60 -6.59	44.54 3.17 -0.60	43.94 2.86 -4.81	44.72 3.24 0.00	39.08 1.68 -16.33	40.92 0.27 -37.42	44.92 0.27 -41.34	59.19 -0.08 -60.26	46.20 0.43 -40.89	45.17 1.52 -25.72	44.16 1.52 -24.53	38.51 0.23 -35.48	38.98 -0.10 -40.27	44.82 0.41 -39.18
HARZA MOOSE___RIVER 24016	21.07 0.09 0.00	38.89 0.17 0.00	30.47 0.15 0.00	27.15 0.14 0.00	30.04 0.15 0.00	25.60 0.13 0.00	22.53 0.13 0.00	26.95 0.21 0.00	32.86 0.31 0.00	41.87 0.47 0.00	35.10 0.40 0.00	41.18 0.41 0.00	36.60 0.32 0.00	41.81 0.32 0.00	21.21 0.14 0.00	3.26 0.03 0.00	2.96 0.03 0.38	-0.99 -0.01 0.00	4.90 0.03 0.00	18.03 0.10 0.00	18.19 0.08 0.00	2.81 0.01 0.00	-1.19 0.00 0.00	5.20 0.00 0.03
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	50.15 1.70 -27.48	46.70 2.94 -5.05	46.40 2.28 -13.79	44.51 2.01 -15.49	45.66 2.06 -13.70	46.52 1.81 -19.25	46.55 1.73 -22.42	42.83 2.21 -13.87	44.27 2.68 -9.03	45.03 3.63 0.00	45.13 3.17 -7.26	45.25 3.82 -0.66	45.03 3.46 -5.29	45.36 3.87 0.00	41.12 2.06 -17.99	44.77 0.32 -41.21	49.16 0.32 -45.53	65.29 -0.09 -66.37	50.43 0.52 -45.04	48.07 1.80 -28.33	46.95 1.83 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.89 0.50 -43.16
HEMPSTEAD____ 23647	50.39 1.89 -27.52	46.87 3.09 -5.06	46.59 2.46 -13.81	44.60 2.07 -15.52	45.78 2.17 -13.72	46.60 1.85 -19.28	46.60 1.75 -22.45	42.83 2.19 -13.89	44.31 2.71 -9.05	45.15 3.75 0.00	45.38 3.41 -7.27	45.39 3.96 -0.66	44.99 3.41 -5.30	45.46 3.98 0.00	41.19 2.11 -18.02	44.84 0.33 -41.28	49.24 0.33 -45.61	65.40 -0.10 -66.48	50.52 0.54 -45.11	48.15 1.85 -28.37	47.06 1.89 -27.06	42.24 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
HICKLING___1 23621	28.81 0.69 -7.14	41.11 1.08 -1.31	34.68 0.77 -3.58	31.68 0.65 -4.02	34.10 0.65 -3.56	31.11 0.64 -5.00	28.81 0.59 -5.82	31.06 0.71 -3.60	35.78 0.88 -2.35	42.61 1.21 0.00	37.70 1.12 -1.89	42.48 1.54 -0.17	39.13 1.47 -1.38	42.97 1.48 0.00	26.35 0.61 -4.67	14.05 0.12 -10.70	15.24 0.11 -11.82	16.24 -0.02 -17.24	16.70 0.13 -11.70	25.87 0.59 -7.36	25.67 0.55 -7.02	13.02 0.07 -10.15	10.29 -0.04 -11.52	16.63 0.20 -11.21
HICKLING___2 23622	28.81 0.69 -7.14	41.11 1.08 -1.31	34.68 0.77 -3.58	31.68 0.65 -4.02	34.10 0.65 -3.56	31.11 0.64 -5.00	28.81 0.59 -5.82	31.06 0.71 -3.60	35.78 0.88 -2.35	42.61 1.21 0.00	37.70 1.12 -1.89	42.48 1.54 -0.17	39.13 1.47 -1.38	42.97 1.48 0.00	26.35 0.61 -4.67	14.05 0.12 -10.70	15.24 0.11 -11.82	16.24 -0.02 -17.24	16.70 0.13 -11.70	25.87 0.59 -7.36	25.67 0.55 -7.02	13.02 0.07 -10.15	10.29 -0.04 -11.52	16.63 0.20 -11.21
HIGH FALLS___HY 23754	49.51 1.66 -26.87	46.49 2.83 -4.93	46.00 2.19 -13.49	44.09 1.93 -15.15	45.37 2.08 -13.40	46.10 1.81 -18.82	46.00 1.68 -21.92	42.41 2.11 -13.56	43.98 2.59 -8.83	44.75 3.35 0.00	44.67 2.88 -7.10	44.95 3.54 -0.65	44.66 3.21 -5.18	44.98 3.49 0.00	40.44 1.79 -17.59	43.82 0.29 -40.29	48.13 0.30 -44.52	63.82 -0.09 -64.89	49.39 0.48 -44.04	47.35 1.72 -27.70	46.25 1.73 -26.42	41.27 0.26 -38.21	42.07 -0.11 -43.36	47.88 0.46 -42.20
HILLBURN___GT 23639	47.66 1.46 -25.22	45.80 2.44 -4.63	44.88 1.90 -12.66	42.92 1.69 -14.22	44.23 1.76 -12.58	44.70 1.56 -17.67	44.45 1.47 -20.58	41.30 1.83 -12.73	43.08 2.23 -8.29	44.35 2.95 0.00	44.02 2.66 -6.66	44.60 3.22 -0.61	44.06 2.92 -4.86	44.79 3.31 0.00	39.30 1.72 -16.51	41.34 0.28 -37.83	45.38 0.28 -41.80	59.86 -0.08 -60.93	46.65 0.44 -41.34	45.47 1.54 -26.01	44.45 1.54 -24.80	38.91 0.24 -35.87	39.43 -0.10 -40.71	45.27 0.42 -39.62
HISHELDN_WT_PWR 323625	25.64 -0.23 -4.90	38.82 -0.80 -0.90	32.20 -0.58 -2.46	29.20 -0.57 -2.76	31.73 -0.61 -2.44	28.53 -0.37 -3.43	25.97 -0.42 -3.99	28.48 -0.73 -2.47	33.16 -1.00 -1.61	40.26 -1.14 0.00	35.17 -0.82 -1.29	40.27 -0.62 -0.12	36.81 -0.41 -0.94	40.53 -0.96 0.00	23.55 -0.72 -3.21	10.52 -0.05 -7.34	11.34 -0.08 -8.11	10.87 0.03 -11.82	12.71 -0.18 -8.03	22.53 -0.44 -5.05	22.55 -0.37 -4.81	9.68 -0.08 -6.96	6.72 0.01 -7.90	12.87 -0.04 -7.69
HOLTSVILLE_IC_1 23690	50.74 2.25 -27.52	47.36 3.59 -5.06	47.05 2.91 -13.81	44.94 2.41 -15.52	46.17 2.55 -13.72	46.90 2.16 -19.28	46.89 2.04 -22.45	43.16 2.52 -13.89	44.71 3.11 -9.05	45.78 4.38 0.00	45.87 3.91 -7.27	45.82 4.39 -0.66	45.32 3.74 -5.30	45.89 4.40 0.00	41.41 2.33 -18.02	44.87 0.36 -41.28	49.27 0.35 -45.61	65.39 -0.11 -66.48	50.58 0.60 -45.11	48.35 2.04 -28.37	47.28 2.12 -27.06	42.27 0.33 -39.14	43.10 -0.14 -44.42	49.03 0.58 -43.23
HOLTSVILLE_IC_10 23699	50.85 2.35 -27.52	47.54 3.76 -5.06	47.17 3.04 -13.81	45.05 2.52 -15.52	46.29 2.68 -13.72	47.01 2.26 -19.28	46.99 2.14 -22.45	43.26 2.63 -13.89	44.85 3.25 -9.05	45.97 4.57 0.00	46.03 4.06 -7.27	46.01 4.58 -0.66	45.48 3.91 -5.30	46.09 4.60 0.00	41.51 2.43 -18.02	44.89 0.38 -41.28	49.29 0.37 -45.61	65.38 -0.11 -66.48	50.61 0.63 -45.11	48.45 2.15 -28.37	47.38 2.22 -27.06	42.29 0.35 -39.14	43.09 -0.15 -44.42	49.05 0.60 -43.23



HOLTSVILLE_IC_2 23691	50.74 2.25 -27.52	47.36 3.59 -5.06	47.05 2.91 -13.81	44.94 2.41 -15.52	46.17 2.55 -13.72	46.90 2.16 -19.28	46.89 2.04 -22.45	43.16 2.52 -13.89	44.71 3.11 -9.05	45.78 4.38 0.00	45.87 3.91 -7.27	45.82 4.39 -0.66	45.32 3.74 -5.30	45.89 4.40 0.00	41.41 2.33 -18.02	44.87 0.36 -41.28	49.27 0.35 -45.61	65.39 -0.11 -66.48	50.58 0.60 -45.11	48.35 2.04 -28.37	47.28 2.12 -27.06	42.27 0.33 -39.14	43.10 -0.14 -44.42	49.03 0.58 -43.23
HOLTSVILLE_IC_3 23692	50.74 2.25 -27.52	47.36 3.59 -5.06	47.05 2.91 -13.81	44.94 2.41 -15.52	46.17 2.55 -13.72	46.90 2.16 -19.28	46.89 2.04 -22.45	43.16 2.52 -13.89	44.71 3.11 -9.05	45.78 4.38 0.00	45.87 3.91 -7.27	45.82 4.39 -0.66	45.32 3.74 -5.30	45.89 4.40 0.00	41.41 2.33 -18.02	44.87 0.36 -41.28	49.27 0.35 -45.61	65.39 -0.11 -66.48	50.58 0.60 -45.11	48.35 2.04 -28.37	47.28 2.12 -27.06	42.27 0.33 -39.14	43.10 -0.14 -44.42	49.03 0.58 -43.23
HOLTSVILLE_IC_4 23693	50.74 2.25 -27.52	47.36 3.59 -5.06	47.05 2.91 -13.81	44.94 2.41 -15.52	46.17 2.55 -13.72	46.90 2.16 -19.28	46.89 2.04 -22.45	43.16 2.52 -13.89	44.71 3.11 -9.05	45.78 4.38 0.00	45.87 3.91 -7.27	45.82 4.39 -0.66	45.32 3.74 -5.30	45.89 4.40 0.00	41.41 2.33 -18.02	44.87 0.36 -41.28	49.27 0.35 -45.61	65.39 -0.11 -66.48	50.58 0.60 -45.11	48.35 2.04 -28.37	47.28 2.12 -27.06	42.27 0.33 -39.14	43.10 -0.14 -44.42	49.03 0.58 -43.23
HOLTSVILLE_IC_5 23694	50.74 2.25 -27.52	47.36 3.59 -5.06	47.05 2.91 -13.81	44.94 2.41 -15.52	46.17 2.55 -13.72	46.90 2.16 -19.28	46.89 2.04 -22.45	43.16 2.52 -13.89	44.71 3.11 -9.05	45.78 4.38 0.00	45.87 3.91 -7.27	45.82 4.39 -0.66	45.32 3.74 -5.30	45.89 4.40 0.00	41.41 2.33 -18.02	44.87 0.36 -41.28	49.27 0.35 -45.61	65.39 -0.11 -66.48	50.58 0.60 -45.11	48.35 2.04 -28.37	47.28 2.12 -27.06	42.27 0.33 -39.14	43.10 -0.14 -44.42	49.03 0.58 -43.23
HOLTSVILLE_IC_6 23695	50.85 2.35 -27.52	47.54 3.76 -5.06	47.17 3.04 -13.81	45.05 2.52 -15.52	46.29 2.68 -13.72	47.01 2.26 -19.28	46.99 2.14 -22.45	43.26 2.63 -13.89	44.85 3.25 -9.05	45.97 4.57 0.00	46.03 4.06 -7.27	46.01 4.58 -0.66	45.48 3.91 -5.30	46.09 4.60 0.00	41.51 2.43 -18.02	44.89 0.38 -41.28	49.29 0.37 -45.61	65.38 -0.11 -66.48	50.61 0.63 -45.11	48.45 2.15 -28.37	47.38 2.22 -27.06	42.29 0.35 -39.14	43.09 -0.15 -44.42	49.05 0.60 -43.23
HOLTSVILLE_IC_7 23696	50.85 2.35 -27.52	47.54 3.76 -5.06	47.17 3.04 -13.81	45.05 2.52 -15.52	46.29 2.68 -13.72	47.01 2.26 -19.28	46.99 2.14 -22.45	43.26 2.63 -13.89	44.85 3.25 -9.05	45.97 4.57 0.00	46.03 4.06 -7.27	46.01 4.58 -0.66	45.48 3.91 -5.30	46.09 4.60 0.00	41.51 2.43 -18.02	44.89 0.38 -41.28	49.29 0.37 -45.61	65.38 -0.11 -66.48	50.61 0.63 -45.11	48.45 2.15 -28.37	47.38 2.22 -27.06	42.29 0.35 -39.14	43.09 -0.15 -44.42	49.05 0.60 -43.23
HOLTSVILLE_IC_8 23697	50.85 2.35 -27.52	47.54 3.76 -5.06	47.17 3.04 -13.81	45.05 2.52 -15.52	46.29 2.68 -13.72	47.01 2.26 -19.28	46.99 2.14 -22.45	43.26 2.63 -13.89	44.85 3.25 -9.05	45.97 4.57 0.00	46.03 4.06 -7.27	46.01 4.58 -0.66	45.48 3.91 -5.30	46.09 4.60 0.00	41.51 2.43 -18.02	44.89 0.38 -41.28	49.29 0.37 -45.61	65.38 -0.11 -66.48	50.61 0.63 -45.11	48.45 2.15 -28.37	47.38 2.22 -27.06	42.29 0.35 -39.14	43.09 -0.15 -44.42	49.05 0.60 -43.23
HOLTSVILLE_IC_9 23698	50.85 2.35 -27.52	47.54 3.76 -5.06	47.17 3.04 -13.81	45.05 2.52 -15.52	46.29 2.68 -13.72	47.01 2.26 -19.28	46.99 2.14 -22.45	43.26 2.63 -13.89	44.85 3.25 -9.05	45.97 4.57 0.00	46.03 4.06 -7.27	46.01 4.58 -0.66	45.48 3.91 -5.30	46.09 4.60 0.00	41.51 2.43 -18.02	44.89 0.38 -41.28	49.29 0.37 -45.61	65.38 -0.11 -66.48	50.61 0.63 -45.11	48.45 2.15 -28.37	47.38 2.22 -27.06	42.29 0.35 -39.14	43.09 -0.15 -44.42	49.05 0.60 -43.23
HOWARD_WT_PWR 323690	27.41 0.66 -5.77	40.60 0.82 -1.06	33.82 0.60 -2.90	30.76 0.49 -3.25	33.23 0.46 -2.88	30.10 0.59 -4.04	27.60 0.49 -4.71	30.13 0.48 -2.91	35.03 0.58 -1.90	42.10 0.70 0.00	36.84 0.62 -1.52	41.87 0.96 -0.14	38.29 0.90 -1.11	42.02 0.54 0.00	24.92 0.08 -3.78	11.92 0.03 -8.65	12.88 0.01 -9.56	12.95 0.00 -13.93	14.32 -0.02 -9.46	23.95 0.07 -5.95	23.88 0.10 -5.67	11.01 0.00 -8.21	8.11 -0.02 -9.31	14.40 0.12 -9.06
HQ_GEN_CEDARS 23644	20.49 -0.48 0.00	37.98 -0.74 0.00	29.76 -0.57 0.00	26.52 -0.50 0.00	29.34 -0.55 0.00	25.01 -0.46 0.00	22.02 -0.38 0.00	26.26 -0.48 0.00	31.89 -0.66 0.00	40.54 -0.86 0.00	33.85 -0.85 0.00	39.67 -1.10 0.00	35.24 -1.03 0.00	40.30 -1.18 0.00	20.45 -0.62 0.00	3.11 -0.12 0.00	0.04 -0.11 3.16	-0.95 0.03 0.00	4.70 -0.17 0.00	17.27 -0.66 0.00	17.46 -0.64 0.00	2.71 -0.09 0.00	-1.14 0.04 0.00	4.83 -0.17 0.23
HQ_GEN_CEDARS_PROXY 323590	21.35 -0.48 -0.85	37.98 -0.74 0.00	29.76 -0.57 0.00	26.52 -0.50 0.00	29.34 -0.55 0.00	25.01 -0.46 0.00	22.02 -0.38 0.00	26.26 -0.48 0.00	31.89 -0.66 0.00	40.54 -0.86 0.00	33.85 -0.85 0.00	39.67 -1.10 0.00	35.24 -1.03 0.00	40.30 -1.18 0.00	20.45 -0.62 0.00	3.11 -0.12 0.00	0.04 -0.11 3.16	-0.95 0.03 0.00	4.70 -0.17 0.00	17.27 -0.66 0.00	17.46 -0.64 0.00	2.71 -0.09 0.00	-1.14 0.04 0.00	4.83 -0.17 0.23
HQ_GEN_IMPORT 323601	20.80 -0.38 -0.20	38.14 -0.58 0.00	29.88 -0.44 0.00	26.63 -0.39 0.00	29.46 -0.43 0.00	25.11 -0.36 0.00	22.09 -0.31 0.00	26.36 -0.38 0.00	32.04 -0.52 0.00	40.71 -0.69 0.00	34.01 -0.68 0.00	39.92 -0.85 0.00	35.48 -0.79 0.00	40.62 -0.87 0.00	20.62 -0.45 0.00	3.15 -0.08 0.00	2.37 -0.08 0.86	-0.96 0.02 0.00	4.76 -0.12 0.00	17.49 -0.44 0.00	17.67 -0.43 0.00	2.74 -0.06 0.00	-1.15 0.03 0.00	5.04 -0.12 0.06
HQ_GEN_WHEEL 23651	20.80 -0.38 -0.20	38.14 -0.58 0.00	29.88 -0.44 0.00	26.63 -0.39 0.00	29.46 -0.43 0.00	25.11 -0.36 0.00	22.09 -0.31 0.00	26.36 -0.38 0.00	32.04 -0.52 0.00	40.71 -0.69 0.00	34.01 -0.68 0.00	39.92 -0.85 0.00	35.48 -0.79 0.00	40.62 -0.87 0.00	20.62 -0.45 0.00	3.15 -0.08 0.00	2.37 -0.08 0.86	-0.96 0.02 0.00	4.76 -0.12 0.00	17.49 -0.44 0.00	17.67 -0.43 0.00	2.74 -0.06 0.00	-1.15 0.03 0.00	5.04 -0.12 0.06
HUDSON_AVE_GT_3 23810	50.23 1.80 -27.46	46.82 3.06 -5.04	46.48 2.37 -13.78	44.56 2.07 -15.48	45.74 2.16 -13.69	46.59 1.89 -19.23	46.54 1.74 -22.40	42.84 2.24 -13.86	44.29 2.72 -9.03	45.06 3.66 0.00	45.14 3.20 -7.25	45.30 3.87 -0.66	45.09 3.52 -5.29	45.44 3.96 0.00	41.14 2.10 -17.98	44.74 0.33 -41.18	49.14 0.33 -45.50	65.24 -0.10 -66.32	50.41 0.53 -45.00	48.10 1.86 -28.31	46.96 1.86 -27.00	42.14 0.29 -39.05	43.01 -0.12 -44.32	48.85 0.50 -43.13
HUDSON_AVE_GT_4 23540	50.23 1.80 -27.46	46.82 3.06 -5.04	46.48 2.37 -13.78	44.56 2.07 -15.48	45.74 2.16 -13.69	46.59 1.89 -19.23	46.54 1.74 -22.40	42.84 2.24 -13.86	44.29 2.72 -9.03	45.06 3.66 0.00	45.14 3.20 -7.25	45.30 3.87 -0.66	45.09 3.52 -5.29	45.44 3.96 0.00	41.14 2.10 -17.98	44.74 0.33 -41.18	49.14 0.33 -45.50	65.24 -0.10 -66.32	50.41 0.53 -45.00	48.10 1.86 -28.31	46.96 1.86 -27.00	42.14 0.29 -39.05	43.01 -0.12 -44.32	48.85 0.50 -43.13



HUDSON AVE_GT_5 23657	50.23	46.82	46.48	44.56	45.74	46.59	46.54	42.84	44.29	45.06	45.14	45.30	45.09	45.44	41.14	44.74	49.14	65.24	50.41	48.10	46.96	42.14	43.01	48.85
	1.80	3.06	2.37	2.07	2.16	1.89	1.74	2.24	2.72	3.66	3.20	3.87	3.52	3.96	2.10	0.33	0.33	-0.10	0.53	1.86	1.86	0.29	-0.12	0.50
	-27.46	-5.04	-13.78	-15.48	-13.69	-19.23	-22.40	-13.86	-9.03	0.00	-7.25	-0.66	-5.29	0.00	-17.98	-41.18	-45.50	-66.32	-45.00	-28.31	-27.00	-39.05	-44.32	-43.13
HUDSON AVE_10 24168	50.13	46.62	46.33	44.45	45.60	46.48	46.44	42.75	44.18	44.89	44.97	45.10	44.90	45.23	41.04	44.73	49.12	65.24	50.37	48.00	46.87	42.12	43.02	48.83
	1.70	2.86	2.22	1.95	2.02	1.78	1.64	2.15	2.60	3.48	3.02	3.66	3.33	3.75	2.00	0.31	0.31	-0.09	0.50	1.76	1.76	0.27	-0.12	0.48
	-27.46	-5.04	-13.78	-15.48	-13.69	-19.23	-22.40	-13.86	-9.03	0.00	-7.25	-0.66	-5.29	0.00	-17.98	-41.18	-45.50	-66.32	-45.00	-28.31	-27.00	-39.05	-44.32	-43.13
HUNTER MOUNT___DRP 323613	52.15	46.43	47.06	45.40	46.49	47.80	48.03	43.35	44.30	43.85	44.71	43.94	44.28	44.13	42.02	48.29	53.07	71.17	54.22	50.01	48.76	45.51	46.99	52.54
	1.28	2.22	1.73	1.53	1.69	1.39	1.24	1.52	1.93	2.45	2.11	2.45	2.24	2.64	1.38	0.22	0.22	-0.07	0.34	1.26	1.26	0.19	-0.08	0.35
	-29.90	-5.49	-15.01	-16.86	-14.91	-20.94	-24.39	-15.09	-9.83	0.00	-7.90	-0.72	-5.76	0.00	-19.57	-44.84	-49.54	-72.22	-49.00	-30.83	-29.40	-42.52	-48.26	-46.96
HUNTINGTON_RES_REC 323705	50.60	47.14	46.86	44.78	45.99	46.76	46.75	43.00	44.54	45.54	45.68	45.62	45.13	45.69	41.32	44.86	49.26	65.39	50.56	48.28	47.19	42.26	43.10	49.00
	2.10	3.37	2.73	2.25	2.37	2.01	1.90	2.37	2.95	4.14	3.71	4.19	3.55	4.20	2.23	0.35	0.35	-0.10	0.58	1.97	2.03	0.32	-0.14	0.55
	-27.52	-5.06	-13.81	-15.52	-13.72	-19.28	-22.45	-13.89	-9.05	0.00	-7.27	-0.66	-5.30	0.00	-18.02	-41.28	-45.61	-66.48	-45.11	-28.37	-27.06	-39.14	-44.42	-43.23
HUNTLEY___63 23557	24.54	37.82	31.23	28.31	30.89	27.61	25.03	27.60	32.26	39.57	34.54	39.74	36.25	39.98	22.92	9.55	10.26	9.30	11.66	21.89	21.84	8.74	5.67	11.83
	-0.68	-1.68	-1.22	-1.09	-1.12	-0.83	-0.84	-1.28	-1.68	-1.83	-1.28	-1.14	-0.84	-1.51	-0.93	-0.05	-0.08	0.03	-0.18	-0.42	-0.44	-0.10	0.01	-0.05
	-4.25	-0.78	-2.13	-2.39	-2.12	-2.97	-3.46	-2.14	-1.40	0.00	-1.12	-0.10	-0.82	0.00	-2.78	-6.37	-7.03	-10.25	-6.96	-4.38	-4.18	-6.04	-6.84	-6.66
HUNTLEY___64 23558	24.54	37.82	31.23	28.31	30.89	27.61	25.03	27.60	32.26	39.57	34.54	39.74	36.25	39.98	22.92	9.55	10.26	9.30	11.66	21.89	21.84	8.74	5.67	11.83
	-0.68	-1.68	-1.22	-1.09	-1.12	-0.83	-0.84	-1.28	-1.68	-1.83	-1.28	-1.14	-0.84	-1.51	-0.93	-0.05	-0.08	0.03	-0.18	-0.42	-0.44	-0.10	0.01	-0.05
	-4.25	-0.78	-2.13	-2.39	-2.12	-2.97	-3.46	-2.14	-1.40	0.00	-1.12	-0.10	-0.82	0.00	-2.78	-6.37	-7.03	-10.25	-6.96	-4.38	-4.18	-6.04	-6.84	-6.66
HUNTLEY___65 23559	24.54	37.82	31.23	28.31	30.89	27.61	25.03	27.60	32.26	39.57	34.54	39.74	36.25	39.98	22.92	9.55	10.26	9.30	11.66	21.89	21.84	8.74	5.67	11.83
	-0.68	-1.68	-1.22	-1.09	-1.12	-0.83	-0.84	-1.28	-1.68	-1.83	-1.28	-1.14	-0.84	-1.51	-0.93	-0.05	-0.08	0.03	-0.18	-0.42	-0.44	-0.10	0.01	-0.05
	-4.25	-0.78	-2.13	-2.39	-2.12	-2.97	-3.46	-2.14	-1.40	0.00	-1.12	-0.10	-0.82	0.00	-2.78	-6.37	-7.03	-10.25	-6.96	-4.38	-4.18	-6.04	-6.84	-6.66
HUNTLEY___66 23560	24.54	37.82	31.23	28.31	30.89	27.61	25.03	27.60	32.26	39.57	34.54	39.74	36.25	39.98	22.92	9.55	10.26	9.30	11.66	21.89	21.84	8.74	5.67	11.83
	-0.68	-1.68	-1.22	-1.09	-1.12	-0.83	-0.84	-1.28	-1.68	-1.83	-1.28	-1.14	-0.84	-1.51	-0.93	-0.05	-0.08	0.03	-0.18	-0.42	-0.44	-0.10	0.01	-0.05
	-4.25	-0.78	-2.13	-2.39	-2.12	-2.97	-3.46	-2.14	-1.40	0.00	-1.12	-0.10	-0.82	0.00	-2.78	-6.37	-7.03	-10.25	-6.96	-4.38	-4.18	-6.04	-6.84	-6.66
HUNTLEY___67 23561	24.60	37.79	31.25	28.32	30.86	27.65	25.09	27.59	32.23	39.49	34.44	39.60	36.14	39.86	22.92	9.67	10.39	9.50	11.78	21.93	21.87	8.85	5.81	11.94
	-0.71	-1.73	-1.24	-1.13	-1.20	-0.85	-0.84	-1.34	-1.74	-1.91	-1.40	-1.27	-0.97	-1.64	-0.99	-0.06	-0.09	0.03	-0.19	-0.46	-0.49	-0.10	0.01	-0.08
	-4.33	-0.79	-2.17	-2.44	-2.16	-3.03	-3.53	-2.18	-1.42	0.00	-1.14	-0.10	-0.83	-0.01	-2.83	-6.49	-7.17	-10.45	-7.10	-4.46	-4.26	-6.16	-6.98	-6.79
HUNTLEY___68 23562	24.60	37.79	31.25	28.32	30.86	27.65	25.09	27.59	32.23	39.49	34.44	39.60	36.14	39.86	22.92	9.67	10.39	9.50	11.78	21.93	21.87	8.85	5.81	11.94
	-0.71	-1.73	-1.24	-1.13	-1.20	-0.85	-0.84	-1.34	-1.74	-1.91	-1.40	-1.27	-0.97	-1.64	-0.99	-0.06	-0.09	0.03	-0.19	-0.46	-0.49	-0.10	0.01	-0.08
	-4.33	-0.79	-2.17	-2.44	-2.16	-3.03	-3.53	-2.18	-1.42	0.00	-1.14	-0.10	-0.83	-0.01	-2.83	-6.49	-7.17	-10.45	-7.10	-4.46	-4.26	-6.16	-6.98	-6.79
HYLAND___LFGE 323620	26.45	40.63	33.50	30.31	32.98	29.53	26.94	29.92	35.13	42.98	37.41	42.72	38.97	43.39	24.91	10.46	11.26	10.36	12.78	23.64	23.60	9.61	6.37	12.85
	0.76	1.04	0.81	0.64	0.73	0.76	0.70	0.80	1.03	1.58	1.47	1.83	1.79	1.90	0.75	0.16	0.14	-0.04	0.18	0.85	0.87	0.11	-0.06	0.23
	-4.71	-0.87	-2.37	-2.66	-2.35	-3.30	-3.84	-2.38	-1.55	0.00	-1.25	-0.11	-0.91	0.00	-3.09	-7.07	-7.81	-11.38	-7.72	-4.86	-4.64	-6.70	-7.61	-7.40
INDECK___CORINTH 23802	61.49	47.63	51.42	50.38	50.82	54.08	55.52	47.79	47.24	43.13	46.67	43.52	45.52	43.34	47.90	62.65	69.08	94.41	69.89	59.57	57.82	59.14	62.54	67.54
	1.00	1.65	1.26	1.09	1.22	0.93	0.88	1.10	1.70	1.73	1.54	1.80	1.63	1.85	0.96	0.15	0.17	-0.05	0.25	0.90	0.87	0.14	-0.05	0.24
	-39.52	-7.26	-19.84	-22.28	-19.70	-27.68	-32.23	-19.95	-12.99	0.00	-10.44	-0.95	-7.61	0.00	-25.87	-59.27	-65.60	-95.45	-64.77	-40.74	-38.86	-56.20	-63.78	-62.07
INDECK___ILION 23567	20.51	38.97	30.30	26.91	29.87	25.25	22.04	26.61	32.66	41.76	34.84	41.13	36.45	41.80	20.80	2.25	2.37	-2.63	3.82	17.43	17.64	1.86	-2.28	4.22
	0.21	0.37	0.32	0.28	0.31	0.25	0.19	0.21	0.33	0.36	0.32	0.38	0.31	0.32	0.17	0.03	0.03	-0.01	0.05	0.20	0.20	0.02	-0.01	0.05
	0.67	0.12	0.34	0.38	0.34	0.47	0.55	0.34	0.22	0.00	0.18	0.02	0.13	0.00	0.44	1.01	0.97	1.63	1.11	0.70	0.66	0.96	1.09	1.05
INDECK___OLEAN 23982	26.82	41.04	33.94	30.70	33.21	29.79	27.15	29.96	35.10	42.94	37.62	43.28	39.48	43.68	25.09	10.72	11.51	10.73	13.03	23.87	23.79	9.82	6.59	13.19
	0.98	1.43	1.18	0.94	0.89	0.92	0.78	0.77	0.95	1.54	1.64	2.39	2.27	2.19	0.84	0.19	0.14	-0.03	0.18	0.93	0.90	0.10	-0.08	0.33
	-4.87	-0.89	-2.44	-2.74	-2.43	-3.41	-3.97	-2.45	-1.60	0.00	-1.29	-0.12	-0.94	-0.01	-3.19	-7.30	-8.06	-11.75	-7.98	-5.02	-4.79	-6.92	-7.85	-7.64
INDECK___OSWEGO 23783	22.74	38.35	30.79	27.67	30.36	26.47	23.71	27.31	32.65	40.70	34.74	40.24	36.18	40.86	22.13	6.40	6.81	4.19	8.31	19.89	19.94	5.80	2.28	8.50
	-0.38	-0.77	-0.60	-0.54	-0.60	-0.50	-0.43	-0.51	-0.60	-0.70	-0.52	-0.58	-0.51	-0.63	-0.34	-0.04	-0.04	0.01	-0.07	-0.24	-0.26	-0.04	0.02	-0.08
	-2.14	-0.39	-1.07	-1.21	-1.07	-1.50	-1.74	-1.08	-0.70	0.00	-0.56	-0.05	-0.41	0.00	-1.40	-3.21	-3.54	-5.16	-3.50	-2.20	-2.10	-3.04	-3.45	-3.36



INDECK___YERKES 23781	24.56 -0.66 -4.25	37.86 -1.64 -0.78	31.26 -1.19 -2.13	28.33 -1.07 -2.39	30.92 -1.09 -2.12	27.63 -0.81 -2.97	25.05 -0.81 -3.46	27.63 -1.26 -2.14	32.30 -1.65 -1.40	39.62 -1.78 0.00	34.57 -1.24 -1.12	39.78 -1.09 -0.10	36.29 -0.80 -0.82	40.02 -1.47 0.00	22.94 -0.91 -2.78	9.55 -0.05 -6.37	10.26 -0.08 -7.03	9.30 0.03 -10.25	11.66 -0.17 -6.96	21.91 -0.40 -4.38	21.86 -0.42 -4.18	8.74 -0.10 -6.04	5.67 0.01 -6.84	11.84 -0.04 -6.66
INDIAN POINT_GT_1 24139	49.52 1.54 -27.00	46.24 2.56 -4.96	45.87 2.00 -13.55	43.99 1.75 -15.22	45.20 1.84 -13.46	45.99 1.62 -18.91	45.93 1.50 -22.02	42.26 1.90 -13.63	43.74 2.32 -8.88	44.47 3.07 0.00	44.57 2.74 -7.13	44.73 3.31 -0.65	44.46 2.99 -5.20	44.86 3.38 0.00	40.51 1.77 -17.67	44.00 0.28 -40.49	48.32 0.28 -44.73	64.14 -0.08 -65.21	49.57 0.45 -44.25	47.35 1.58 -27.83	46.24 1.59 -26.55	41.44 0.24 -38.39	42.28 -0.11 -43.57	48.06 0.43 -42.40
INDIAN POINT_GT_2 23659	49.52 1.54 -27.00	46.24 2.56 -4.96	45.87 2.00 -13.55	43.99 1.75 -15.22	45.20 1.84 -13.46	45.99 1.62 -18.91	45.93 1.50 -22.02	42.26 1.90 -13.63	43.74 2.32 -8.88	44.47 3.07 0.00	44.57 2.74 -7.13	44.73 3.31 -0.65	44.46 2.99 -5.20	44.86 3.38 0.00	40.51 1.77 -17.67	44.00 0.28 -40.49	48.32 0.28 -44.73	64.14 -0.08 -65.21	49.57 0.45 -44.25	47.35 1.58 -27.83	46.24 1.59 -26.55	41.44 0.24 -38.39	42.28 -0.11 -43.57	48.06 0.43 -42.40
INDIAN POINT_GT_3 24019	49.52 1.54 -27.00	46.24 2.56 -4.96	45.87 2.00 -13.55	43.99 1.75 -15.22	45.20 1.84 -13.46	45.99 1.62 -18.91	45.93 1.50 -22.02	42.26 1.90 -13.63	43.74 2.32 -8.88	44.47 3.07 0.00	44.57 2.74 -7.13	44.73 3.31 -0.65	44.46 2.99 -5.20	44.86 3.38 0.00	40.51 1.77 -17.67	44.00 0.28 -40.49	48.32 0.28 -44.73	64.14 -0.08 -65.21	49.57 0.45 -44.25	47.35 1.58 -27.83	46.24 1.59 -26.55	41.44 0.24 -38.39	42.28 -0.11 -43.57	48.06 0.43 -42.40
INDIAN POINT___2 23530	48.68 1.48 -26.22	45.99 2.46 -4.82	45.40 1.92 -13.16	43.48 1.69 -14.78	44.73 1.76 -13.07	45.39 1.56 -18.36	45.25 1.46 -21.39	41.81 1.83 -13.24	43.41 2.23 -8.62	44.36 2.96 0.00	44.27 2.65 -6.93	44.61 3.21 -0.63	44.22 2.90 -5.05	44.77 3.28 0.00	39.96 1.72 -17.16	42.83 0.27 -39.32	47.03 0.27 -43.45	62.27 -0.08 -63.33	48.28 0.44 -42.98	46.49 1.53 -27.03	45.42 1.54 -25.78	40.32 0.23 -37.29	41.03 -0.10 -42.32	46.82 0.42 -41.18
INDIAN POINT___3 23531	50.12 1.56 -27.59	46.40 2.61 -5.07	46.20 2.03 -13.85	44.35 1.78 -15.56	45.52 1.87 -13.75	46.42 1.64 -19.32	46.42 1.51 -22.50	42.59 1.92 -13.92	43.97 2.35 -9.07	44.52 3.12 0.00	44.76 2.77 -7.29	44.78 3.34 -0.66	44.60 3.01 -5.31	44.89 3.40 0.00	40.92 1.79 -18.06	44.89 0.28 -41.37	49.30 0.28 -45.71	65.56 -0.08 -66.63	50.54 0.45 -45.21	47.97 1.60 -28.44	46.83 1.60 -27.12	42.28 0.24 -39.23	43.24 -0.11 -44.52	48.99 0.44 -43.33
IP CORINTH___1 23988	61.62 1.13 -39.52	47.83 1.86 -7.26	51.59 1.43 -19.84	50.53 1.24 -22.28	50.99 1.39 -19.70	54.22 1.07 -27.68	55.64 1.01 -32.23	47.94 1.25 -19.95	47.43 1.89 -12.99	43.36 1.96 0.00	46.87 1.74 -10.44	43.76 2.04 -0.95	45.74 1.85 -7.61	43.58 2.10 0.00	48.02 1.08 -25.87	62.67 0.17 -59.27	69.10 0.19 -65.60	94.41 -0.06 -95.45	69.92 0.27 -64.77	59.68 1.01 -40.74	57.93 0.97 -38.86	59.16 0.16 -56.20	62.54 -0.06 -63.78	67.57 0.27 -62.07
IP___TICONDEROGA 23804	62.73 2.31 -39.44	49.70 3.73 -7.24	52.87 2.75 -19.80	51.64 2.39 -22.24	52.20 2.64 -19.67	55.28 2.18 -27.63	56.74 2.16 -32.18	49.34 2.69 -19.91	49.26 3.75 -12.97	45.52 4.11 0.00	48.77 3.65 -10.42	45.98 4.26 -0.95	47.66 3.79 -7.60	45.72 4.23 0.00	49.08 2.18 -25.82	62.75 0.36 -59.16	69.20 0.42 -65.48	94.17 -0.12 -95.27	70.08 0.55 -64.65	60.65 2.05 -40.67	58.81 1.92 -38.78	59.19 0.30 -56.10	62.37 -0.11 -63.66	67.68 0.49 -61.96
ISLIP_RES_REC 323679	50.96 2.46 -27.52	47.73 3.96 -5.06	47.33 3.19 -13.81	45.19 2.66 -15.52	46.44 2.83 -13.72	47.14 2.40 -19.28	47.11 2.25 -22.45	43.40 2.77 -13.89	45.01 3.41 -9.05	46.19 4.79 0.00	46.21 4.24 -7.27	46.21 4.78 -0.66	45.68 4.10 -5.30	46.31 4.83 0.00	41.63 2.55 -18.02	44.91 0.40 -41.28	49.30 0.39 -45.61	65.37 -0.12 -66.48	50.65 0.67 -45.11	48.58 2.28 -28.37	47.50 2.34 -27.06	42.31 0.37 -39.14	43.08 -0.15 -44.42	49.08 0.63 -43.23
JARVIS____ 23743	20.32 0.02 0.67	38.60 0.00 0.12	29.98 0.00 0.34	26.63 0.00 0.38	29.56 0.01 0.34	25.00 0.00 0.47	21.85 0.00 0.55	26.40 0.00 0.34	32.35 0.02 0.22	41.43 0.03 0.00	34.55 0.03 0.18	40.79 0.04 0.02	36.18 0.03 0.13	41.51 0.03 0.00	20.64 0.02 0.44	2.22 0.00 1.01	2.35 0.00 0.97	-2.62 0.00 1.63	3.77 0.00 1.11	17.24 0.01 0.70	17.45 0.01 0.66	1.84 0.00 0.96	-2.27 0.00 1.09	4.18 0.00 1.05
JENNISON___1 23625	31.31 1.18 -9.16	42.44 2.03 -1.68	36.48 1.56 -4.60	33.55 1.37 -5.16	35.96 1.50 -4.57	33.18 1.30 -6.41	31.05 1.18 -7.47	32.88 1.52 -4.62	37.51 1.95 -3.01	44.05 2.65 0.00	39.37 2.26 -2.42	43.72 2.73 -0.22	40.51 2.47 -1.76	44.13 2.65 0.00	28.30 1.24 -6.00	17.18 0.22 -13.73	18.70 0.22 -15.17	21.07 -0.06 -22.12	20.19 0.31 -15.01	28.57 1.20 -9.44	28.27 1.17 -9.00	15.99 0.17 -13.02	13.52 -0.07 -14.78	19.92 0.31 -14.38
JENNISON___2 23626	31.31 1.18 -9.16	42.44 2.03 -1.68	36.48 1.56 -4.60	33.55 1.37 -5.16	35.96 1.50 -4.57	33.18 1.30 -6.41	31.05 1.18 -7.47	32.88 1.52 -4.62	37.51 1.95 -3.01	44.05 2.65 0.00	39.37 2.26 -2.42	43.72 2.73 -0.22	40.51 2.47 -1.76	44.13 2.65 0.00	28.30 1.24 -6.00	17.18 0.22 -13.73	18.70 0.22 -15.17	21.07 -0.06 -22.12	20.19 0.31 -15.01	28.57 1.20 -9.44	28.27 1.17 -9.00	15.99 0.17 -13.02	13.52 -0.07 -14.78	19.92 0.31 -14.38
JERICHO_RISE_WT_PWR 323719	20.73 -0.25 0.00	38.40 -0.32 0.00	30.07 -0.25 0.00	26.80 -0.21 0.00	29.70 -0.19 0.00	25.36 -0.11 0.00	22.35 -0.05 0.00	26.65 -0.09 0.00	32.37 -0.18 0.00	41.02 -0.38 0.00	34.24 -0.46 0.00	39.89 -0.88 0.00	35.37 -0.90 0.00	40.34 -1.15 0.00	20.24 -0.83 0.00	3.04 -0.20 0.00	-0.18 -0.20 3.29	-0.92 0.06 0.00	4.56 -0.31 0.00	16.73 -1.20 0.00	16.94 -1.17 0.00	2.65 -0.15 0.00	-1.11 0.07 0.00	4.65 -0.34 0.24
KCE_NY_1 323755	61.78 1.45 -39.35	48.50 2.56 -7.23	52.09 2.01 -19.75	50.96 1.76 -22.19	51.51 2.00 -19.62	54.67 1.64 -27.56	55.95 1.45 -32.10	48.35 1.75 -19.86	47.82 2.33 -12.94	44.13 2.72 0.00	47.45 2.36 -10.39	44.50 2.78 -0.95	46.37 2.51 -7.58	44.35 2.87 0.00	48.31 1.48 -25.76	62.48 0.23 -59.01	68.87 0.25 -65.32	93.98 -0.07 -95.04	69.72 0.36 -64.49	59.83 1.33 -40.57	58.11 1.32 -38.69	58.96 0.20 -55.96	62.24 -0.08 -63.51	67.41 0.38 -61.81
KEDC PORT_JEFF_GT2 24210	50.79 2.29 -27.52	47.44 3.66 -5.06	47.10 2.96 -13.81	44.98 2.45 -15.52	46.21 2.59 -13.72	46.94 2.20 -19.28	46.92 2.07 -22.45	43.17 2.54 -13.89	44.72 3.12 -9.05	45.83 4.43 0.00	45.94 3.98 -7.27	45.90 4.47 -0.66	45.41 3.83 -5.30	45.99 4.51 0.00	41.47 2.38 -18.02	44.87 0.36 -41.28	49.27 0.36 -45.61	65.39 -0.10 -66.48	50.59 0.61 -45.11	48.36 2.06 -28.37	47.30 2.13 -27.06	42.28 0.34 -39.14	43.10 -0.14 -44.42	49.03 0.58 -43.23



KEDC PORT_JEFF_GT3 24211	50.79 2.29 -27.52	47.44 3.66 -5.06	47.10 2.96 -13.81	44.98 2.45 -15.52	46.21 2.59 -13.72	46.94 2.20 -19.28	46.92 2.07 -22.45	43.17 2.54 -13.89	44.72 3.12 -9.05	45.83 4.43 0.00	45.94 3.98 -7.27	45.90 4.47 -0.66	45.41 3.83 -5.30	45.99 4.51 0.00	41.47 2.38 -18.02	44.87 0.36 -41.28	49.27 0.36 -45.61	65.39 -0.10 -66.48	50.59 0.61 -45.11	48.36 2.06 -28.37	47.30 2.13 -27.06	42.28 0.34 -39.14	43.10 -0.14 -44.42	49.03 0.58 -43.23
KEDC_GLWD_GT4 24219	50.38 1.89 -27.52	46.92 3.15 -5.06	46.62 2.49 -13.81	44.66 2.13 -15.52	45.84 2.23 -13.72	46.67 1.92 -19.28	46.64 1.79 -22.45	42.89 2.26 -13.89	44.38 2.78 -9.05	45.19 3.79 0.00	45.40 3.43 -7.27	45.48 4.04 -0.66	45.14 3.56 -5.30	45.58 4.09 0.00	41.25 2.16 -18.02	44.85 0.34 -41.28	49.25 0.34 -45.61	65.39 -0.10 -66.48	50.53 0.55 -45.11	48.21 1.90 -28.37	47.10 1.93 -27.06	42.24 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
KEDC_GLWD_GT5 24220	50.38 1.89 -27.52	46.92 3.15 -5.06	46.62 2.49 -13.81	44.66 2.13 -15.52	45.84 2.23 -13.72	46.67 1.92 -19.28	46.64 1.79 -22.45	42.89 2.26 -13.89	44.38 2.78 -9.05	45.19 3.79 0.00	45.40 3.43 -7.27	45.48 4.04 -0.66	45.14 3.56 -5.30	45.58 4.09 0.00	41.25 2.16 -18.02	44.85 0.34 -41.28	49.25 0.34 -45.61	65.39 -0.10 -66.48	50.53 0.55 -45.11	48.21 1.90 -28.37	47.10 1.93 -27.06	42.24 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
KENSICO____ 23655	49.94 1.59 -27.37	46.41 2.66 -5.03	46.13 2.07 -13.74	44.26 1.81 -15.43	45.45 1.90 -13.65	46.30 1.66 -19.17	46.28 1.54 -22.33	42.52 1.96 -13.82	43.95 2.40 -9.00	44.59 3.19 0.00	44.76 2.83 -7.23	44.85 3.42 -0.66	44.63 3.08 -5.27	44.97 3.49 0.00	40.82 1.83 -17.92	44.58 0.29 -41.05	48.96 0.29 -45.36	65.05 -0.09 -66.12	50.20 0.46 -44.87	47.79 1.63 -28.22	46.66 1.64 -26.92	41.98 0.25 -38.93	42.89 -0.11 -44.18	48.67 0.45 -43.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	48.30 1.77 -25.56	46.44 3.03 -4.69	45.50 2.35 -12.83	43.49 2.07 -14.41	44.88 2.24 -12.74	45.32 1.95 -17.90	45.05 1.80 -20.85	41.90 2.26 -12.90	43.73 2.77 -8.40	44.95 3.55 0.00	44.49 3.05 -6.75	45.14 3.76 -0.61	44.59 3.39 -4.92	45.20 3.72 0.00	39.70 1.90 -16.73	41.87 0.31 -38.33	45.98 0.32 -42.35	60.65 -0.09 -61.73	47.27 0.51 -41.89	46.09 1.81 -26.35	45.05 1.82 -25.13	39.42 0.28 -36.35	39.95 -0.12 -41.25	45.85 0.49 -40.14
KIAC_JFK_GT1 23816	50.07 1.63 -27.46	46.47 2.71 -5.04	46.19 2.09 -13.78	44.36 1.87 -15.48	45.49 1.90 -13.69	46.39 1.69 -19.23	46.38 1.58 -22.40	42.73 2.12 -13.86	44.14 2.57 -9.03	44.80 3.40 0.00	44.81 2.87 -7.25	44.94 3.50 -0.66	44.76 3.20 -5.29	45.07 3.58 0.00	40.99 1.95 -17.98	44.71 0.30 -41.18	49.11 0.30 -45.50	65.24 -0.09 -66.32	50.35 0.48 -45.00	47.93 1.69 -28.31	46.79 1.69 -27.00	42.10 0.26 -39.05	43.02 -0.12 -44.32	48.83 0.48 -43.13
KIAC_JFK_GT2 23817	50.07 1.63 -27.46	46.47 2.71 -5.04	46.19 2.09 -13.78	44.36 1.87 -15.48	45.49 1.90 -13.69	46.39 1.69 -19.23	46.38 1.58 -22.40	42.73 2.12 -13.86	44.14 2.57 -9.03	44.80 3.40 0.00	44.81 2.87 -7.25	44.94 3.50 -0.66	44.76 3.20 -5.29	45.07 3.58 0.00	40.99 1.95 -17.98	44.71 0.30 -41.18	49.11 0.30 -45.50	65.24 -0.09 -66.32	50.35 0.48 -45.00	47.93 1.69 -28.31	46.79 1.69 -27.00	42.10 0.26 -39.05	43.02 -0.12 -44.32	48.83 0.48 -43.13
KINTIGH____ 23543	23.58 -0.45 -3.06	38.21 -1.07 -0.56	31.04 -0.82 -1.53	28.00 -0.74 -1.72	30.65 -0.77 -1.52	27.04 -0.57 -2.14	24.37 -0.53 -2.49	27.54 -0.74 -1.54	32.63 -0.92 -1.01	40.43 -0.97 0.00	34.80 -0.70 -0.81	40.20 -0.64 -0.07	36.37 -0.49 -0.59	40.68 -0.80 0.00	22.59 -0.47 -2.00	7.79 -0.02 -4.58	8.34 -0.04 -5.06	6.41 0.01 -7.38	9.80 -0.08 -5.01	20.89 -0.20 -3.15	20.88 -0.23 -3.01	7.10 -0.05 -4.35	3.76 0.01 -4.93	9.96 -0.06 -4.80
LACHUTE____HYDRO 323717	62.73 2.31 -39.44	49.70 3.73 -7.24	52.87 2.75 -19.80	51.64 2.39 -22.24	52.20 2.64 -19.67	55.28 2.18 -27.63	56.74 2.16 -32.18	49.34 2.69 -19.91	49.26 3.75 -12.97	45.52 4.11 0.00	48.77 3.65 -10.42	45.98 4.26 -0.95	47.66 3.79 -7.60	45.72 4.23 0.00	49.08 2.18 -25.82	62.75 0.36 -59.16	69.20 0.42 -65.48	94.17 -0.12 -95.27	70.08 0.55 -64.65	60.65 2.05 -40.67	58.81 1.92 -38.78	59.19 0.30 -56.10	62.37 -0.11 -63.66	67.68 0.49 -61.96
LEDERLE____ 23769	47.86 1.54 -25.35	45.94 2.56 -4.66	45.04 2.00 -12.73	43.07 1.77 -14.29	44.38 1.85 -12.64	44.87 1.64 -17.76	44.63 1.55 -20.68	41.46 1.92 -12.80	43.21 2.33 -8.33	44.49 3.09 0.00	44.17 2.77 -6.70	44.75 3.37 -0.61	44.20 3.04 -4.88	44.92 3.44 0.00	39.45 1.79 -16.60	41.54 0.29 -38.02	45.60 0.29 -42.01	60.16 -0.09 -61.23	46.88 0.46 -41.55	45.68 1.61 -26.14	44.64 1.62 -24.93	39.10 0.24 -36.05	39.63 -0.11 -40.92	45.48 0.44 -39.82
LINDEN COGEN____ 23786	50.14 1.71 -27.46	46.67 2.90 -5.04	46.36 2.26 -13.78	44.45 1.96 -15.48	45.62 2.04 -13.69	46.49 1.79 -19.23	46.44 1.64 -22.40	42.74 2.14 -13.86	44.13 2.55 -9.03	44.89 3.48 0.00	44.96 3.01 -7.25	45.11 3.68 -0.66	44.91 3.35 -5.29	45.26 3.78 0.00	41.04 2.00 -17.98	44.73 0.32 -41.18	49.12 0.31 -45.50	65.25 -0.09 -66.32	50.39 0.51 -45.00	48.00 1.76 -28.31	46.87 1.77 -27.00	42.12 0.27 -39.05	43.02 -0.12 -44.32	48.82 0.47 -43.13
LIPA_MISC_IPP 23656	50.81 2.31 -27.52	47.47 3.70 -5.06	47.12 2.98 -13.81	45.00 2.47 -15.52	46.23 2.61 -13.72	46.96 2.22 -19.28	46.95 2.10 -22.45	43.22 2.58 -13.89	44.80 3.20 -9.05	45.90 4.50 0.00	45.95 3.98 -7.27	45.90 4.47 -0.66	45.39 3.81 -5.30	45.97 4.49 0.00	41.46 2.38 -18.02	44.88 0.37 -41.28	49.28 0.36 -45.61	65.38 -0.11 -66.48	50.61 0.63 -45.11	48.43 2.13 -28.37	47.36 2.19 -27.06	42.29 0.34 -39.14	43.09 -0.15 -44.42	49.04 0.59 -43.23
LISF__SOLAR 323691	50.85 2.35 -27.52	47.53 3.76 -5.06	47.16 3.02 -13.81	45.04 2.51 -15.52	46.26 2.65 -13.72	47.00 2.25 -19.28	46.99 2.13 -22.45	43.26 2.63 -13.89	44.85 3.25 -9.05	45.95 4.55 0.00	45.98 4.01 -7.27	45.93 4.50 -0.66	45.41 3.83 -5.30	46.00 4.52 0.00	41.47 2.39 -18.02	44.89 0.38 -41.28	49.28 0.37 -45.61	65.38 -0.11 -66.48	50.61 0.63 -45.11	48.47 2.16 -28.37	47.39 2.23 -27.06	42.29 0.35 -39.14	43.09 -0.15 -44.42	49.05 0.60 -43.23
LITTLE FALLS____HYD 24013	20.68 0.38 0.67	39.30 0.70 0.12	30.61 0.62 0.34	27.18 0.55 0.38	30.17 0.61 0.34	25.47 0.47 0.47	22.20 0.35 0.55	26.76 0.36 0.34	32.92 0.60 0.22	41.99 0.59 0.00	35.02 0.51 0.18	41.37 0.62 0.02	36.63 0.48 0.13	41.95 0.46 0.00	20.89 0.27 0.44	2.26 0.04 1.01	2.39 0.04 0.97	-2.63 -0.01 1.63	3.85 0.09 1.11	17.57 0.34 0.70	17.79 0.36 0.66	1.88 0.04 0.96	-2.29 -0.02 1.09	4.25 0.07 1.05
LI_NEWBRDGE____DRP 323616	50.37 1.88 -27.52	46.83 3.05 -5.06	46.58 2.45 -13.81	44.57 2.04 -15.52	45.75 2.14 -13.72	46.57 1.82 -19.28	46.57 1.72 -22.45	42.79 2.15 -13.89	44.26 2.67 -9.05	45.11 3.71 0.00	45.35 3.38 -7.27	45.32 3.89 -0.66	44.91 3.34 -5.30	45.38 3.90 0.00	41.15 2.06 -18.02	44.83 0.33 -41.28	49.23 0.32 -45.61	65.40 -0.09 -66.48	50.51 0.53 -45.11	48.11 1.80 -28.37	47.02 1.86 -27.06	42.23 0.29 -39.14	43.11 -0.12 -44.42	48.95 0.50 -43.23



LOCKPORT___CC1 323769	24.12 -0.96 -4.10	37.27 -2.21 -0.76	30.77 -1.62 -2.06	27.88 -1.45 -2.32	30.44 -1.50 -2.05	27.21 -1.14 -2.88	24.65 -1.11 -3.35	27.18 -1.64 -2.07	31.79 -2.12 -1.35	39.02 -2.38 0.00	34.01 -1.77 -1.09	39.16 -1.71 -0.10	35.71 -1.36 -0.79	39.40 -2.08 0.00	22.55 -1.21 -2.69	9.30 -0.09 -6.16	9.99 -0.13 -6.81	8.98 0.04 -9.92	11.36 -0.24 -6.72	21.53 -0.63 -4.23	21.47 -0.67 -4.04	8.50 -0.13 -5.84	5.48 0.03 -6.63	11.56 -0.12 -6.46
LOCKPORT___CC2 323770	24.12 -0.96 -4.10	37.27 -2.21 -0.76	30.77 -1.62 -2.06	27.88 -1.45 -2.32	30.44 -1.50 -2.05	27.21 -1.14 -2.88	24.65 -1.11 -3.35	27.18 -1.64 -2.07	31.79 -2.12 -1.35	39.02 -2.38 0.00	34.01 -1.77 -1.09	39.16 -1.71 -0.10	35.71 -1.36 -0.79	39.40 -2.08 0.00	22.55 -1.21 -2.69	9.30 -0.09 -6.16	9.99 -0.13 -6.81	8.98 0.04 -9.92	11.36 -0.24 -6.72	21.53 -0.63 -4.23	21.47 -0.67 -4.04	8.50 -0.13 -5.84	5.48 0.03 -6.63	11.56 -0.12 -6.46
LOCKPORT___CC3 323771	24.12 -0.96 -4.10	37.27 -2.21 -0.76	30.77 -1.62 -2.06	27.88 -1.45 -2.32	30.44 -1.50 -2.05	27.21 -1.14 -2.88	24.65 -1.11 -3.35	27.18 -1.64 -2.07	31.79 -2.12 -1.35	39.02 -2.38 0.00	34.01 -1.77 -1.09	39.16 -1.71 -0.10	35.71 -1.36 -0.79	39.40 -2.08 0.00	22.55 -1.21 -2.69	9.30 -0.09 -6.16	9.99 -0.13 -6.81	8.98 0.04 -9.92	11.36 -0.24 -6.72	21.53 -0.63 -4.23	21.47 -0.67 -4.04	8.50 -0.13 -5.84	5.48 0.03 -6.63	11.56 -0.12 -6.46
LONG_LAKE_PHOENIX 24014	22.94 -0.25 -2.22	38.58 -0.55 -0.41	31.01 -0.43 -1.11	27.86 -0.40 -1.25	30.56 -0.44 -1.11	26.67 -0.35 -1.55	23.91 -0.30 -1.81	27.51 -0.35 -1.12	32.88 -0.40 -0.73	41.01 -0.39 0.00	35.03 -0.25 -0.58	40.57 -0.25 -0.05	36.50 -0.21 -0.43	41.19 -0.29 0.00	22.35 -0.17 -1.45	6.54 -0.02 -3.33	6.96 -0.02 -3.67	4.38 0.01 -5.35	8.47 -0.03 -3.63	20.10 -0.11 -2.29	20.15 -0.13 -2.18	5.93 -0.03 -3.15	2.40 0.01 -3.58	8.66 -0.05 -3.48
LOVETT___3 23632	47.81 1.45 -25.38	45.80 2.42 -4.66	44.96 1.89 -12.74	43.00 1.68 -14.31	44.29 1.74 -12.66	44.80 1.55 -17.78	44.57 1.46 -20.70	41.37 1.81 -12.81	43.10 2.20 -8.34	44.32 2.92 0.00	44.03 2.63 -6.70	44.58 3.20 -0.61	44.05 2.89 -4.89	44.75 3.27 0.00	39.39 1.71 -16.62	41.58 0.27 -38.07	45.64 0.27 -42.06	60.24 -0.08 -61.31	46.91 0.43 -41.60	45.62 1.52 -26.17	44.59 1.53 -24.96	39.13 0.23 -36.10	39.68 -0.10 -40.97	45.51 0.42 -39.87
LOVETT___4 23642	47.81 1.45 -25.38	45.80 2.42 -4.66	44.96 1.89 -12.74	43.00 1.68 -14.31	44.29 1.74 -12.66	44.80 1.55 -17.78	44.57 1.46 -20.70	41.37 1.81 -12.81	43.10 2.20 -8.34	44.32 2.92 0.00	44.03 2.63 -6.70	44.58 3.20 -0.61	44.05 2.89 -4.89	44.75 3.27 0.00	39.39 1.71 -16.62	41.58 0.27 -38.07	45.64 0.27 -42.06	60.24 -0.08 -61.31	46.91 0.43 -41.60	45.62 1.52 -26.17	44.59 1.53 -24.96	39.13 0.23 -36.10	39.68 -0.10 -40.97	45.51 0.42 -39.87
LOVETT___5 23593	47.81 1.45 -25.38	45.80 2.42 -4.66	44.96 1.89 -12.74	43.00 1.68 -14.31	44.29 1.74 -12.66	44.80 1.55 -17.78	44.57 1.46 -20.70	41.37 1.81 -12.81	43.10 2.20 -8.34	44.32 2.92 0.00	44.03 2.63 -6.70	44.58 3.20 -0.61	44.05 2.89 -4.89	44.75 3.27 0.00	39.39 1.71 -16.62	41.58 0.27 -38.07	45.64 0.27 -42.06	60.24 -0.08 -61.31	46.91 0.43 -41.60	45.62 1.52 -26.17	44.59 1.53 -24.96	39.13 0.23 -36.10	39.68 -0.10 -40.97	45.51 0.42 -39.87
LOWER RAQUET___HYD 24057	20.06 -0.92 0.00	37.17 -1.55 0.00	29.12 -1.20 0.00	25.95 -1.06 0.00	28.71 -1.18 0.00	24.48 -0.99 0.00	21.56 -0.84 0.00	25.75 -0.99 0.00	31.29 -1.26 0.00	39.79 -1.61 0.00	33.23 -1.46 0.00	38.90 -1.87 0.00	34.54 -1.74 0.00	39.48 -2.00 0.00	20.02 -1.05 0.00	3.04 -0.19 0.00	0.45 -0.19 2.67	-0.93 0.05 0.00	4.60 -0.28 0.00	16.86 -1.07 0.00	17.04 -1.06 0.00	2.65 -0.15 0.00	-1.11 0.07 0.00	4.77 -0.26 0.19
LOWER___HUDSON 24059	60.45 1.29 -38.18	48.01 2.28 -7.01	51.31 1.82 -19.17	50.15 1.61 -21.53	50.73 1.80 -19.04	53.70 1.49 -26.74	54.85 1.30 -31.15	47.54 1.53 -19.27	47.08 1.98 -12.55	43.71 2.31 0.00	46.80 2.02 -10.09	44.04 2.35 -0.92	45.75 2.11 -7.36	43.93 2.44 0.00	47.34 1.28 -25.00	60.70 0.20 -57.26	66.89 0.21 -63.37	91.17 -0.06 -92.22	67.76 0.30 -62.58	58.44 1.14 -39.37	56.79 1.15 -37.54	57.28 0.18 -54.30	60.37 -0.08 -61.62	65.54 0.34 -59.98
LWR___OSWEGATCHIE_HYD 23850	20.37 -0.61 0.00	37.68 -1.04 0.00	29.52 -0.80 0.00	26.31 -0.70 0.00	29.12 -0.78 0.00	24.81 -0.66 0.00	21.83 -0.57 0.00	26.10 -0.64 0.00	31.77 -0.78 0.00	40.44 -0.97 0.00	33.83 -0.86 0.00	39.59 -1.18 0.00	35.13 -1.15 0.00	40.12 -1.36 0.00	20.35 -0.71 0.00	3.11 -0.12 0.00	1.42 -0.12 1.77	-0.95 0.04 0.00	4.69 -0.18 0.00	17.23 -0.70 0.00	17.39 -0.71 0.00	2.70 -0.10 0.00	-1.13 0.05 0.00	4.89 -0.20 0.13
LYONS_FALL_HYD 23570	21.07 0.09 0.00	38.89 0.17 0.00	30.47 0.15 0.00	27.15 0.14 0.00	30.04 0.15 0.00	25.60 0.13 0.00	22.53 0.13 0.00	26.95 0.21 0.00	32.86 0.31 0.00	41.87 0.47 0.00	35.10 0.40 0.00	41.18 0.41 0.00	36.60 0.32 0.00	41.81 0.32 0.00	21.21 0.14 0.00	3.26 0.03 0.38	2.96 0.03 0.00	-0.99 -0.01 0.00	4.90 0.03 0.00	18.03 0.10 0.00	18.19 0.08 0.00	2.81 0.01 0.00	-1.19 0.00 0.00	5.20 0.00 0.03
MADISON___COUNTY_LFGE 323628	22.51 0.41 -1.13	39.71 0.78 -0.21	31.52 0.64 -0.57	28.22 0.58 -0.64	31.09 0.64 -0.56	26.83 0.57 -0.79	23.84 0.52 -0.92	27.99 0.67 -0.57	33.80 0.88 -0.37	42.60 1.20 0.00	36.05 1.05 -0.30	42.06 1.26 -0.03	37.64 1.15 -0.22	42.73 1.24 0.00	22.43 0.62 -0.74	5.03 0.11 -1.69	5.29 0.11 -1.87	1.71 -0.03 -2.72	6.84 0.12 -1.85	19.55 0.46 -1.16	19.65 0.44 -1.11	4.46 0.06 -1.60	0.61 -0.03 -1.82	7.10 0.11 -1.77
MAPLE RIDGE_WT_1 323574	18.98 -0.13 1.87	38.19 -0.19 0.34	29.23 -0.15 0.94	25.82 -0.13 1.06	28.81 -0.15 0.93	24.01 -0.15 1.31	20.67 -0.21 1.53	25.49 -0.30 0.94	31.57 -0.36 0.62	40.86 -0.54 0.00	33.56 -0.65 0.49	39.62 -1.10 0.04	34.90 -1.02 0.36	40.48 -1.01 0.00	19.33 -0.51 1.23	0.33 -0.10 2.80	1.60 -0.11 1.59	-5.48 0.02 4.51	1.64 -0.17 3.06	15.32 -0.69 1.93	15.57 -0.70 1.84	0.03 -0.11 2.66	-4.15 0.05 3.02	2.21 -0.19 2.83
MAPLE RIDGE_WT_2 323611	18.98 -0.13 1.87	38.19 -0.19 0.34	29.23 -0.15 0.94	25.82 -0.13 1.06	28.81 -0.15 0.93	24.01 -0.15 1.31	20.67 -0.21 1.53	25.49 -0.30 0.94	31.57 -0.36 0.62	40.86 -0.54 0.00	33.56 -0.65 0.49	39.62 -1.10 0.04	34.90 -1.02 0.36	40.48 -1.01 0.00	19.33 -0.51 1.23	0.33 -0.10 2.80	1.60 -0.11 1.59	-5.48 0.02 4.51	1.64 -0.17 3.06	15.32 -0.69 1.93	15.57 -0.70 1.84	0.03 -0.11 2.66	-4.15 0.05 3.02	2.21 -0.19 2.83
MARBLE_RIVER_WT_PWR 323696	20.79 -0.18 0.00	38.52 -0.20 0.00	30.16 -0.16 0.00	26.88 -0.13 0.00	29.79 -0.10 0.00	25.44 -0.03 0.00	22.43 0.03 0.00	26.74 0.00 0.00	32.47 -0.08 0.00	41.14 -0.26 0.00	34.35 -0.35 0.00	40.00 -0.77 0.00	35.45 -0.82 0.00	40.46 -1.03 0.00	20.28 -0.79 0.00	3.03 -0.20 3.36	-0.25 -0.20 0.00	-0.92 0.06 0.00	4.56 -0.32 0.00	16.70 -1.23 0.00	16.90 -1.20 0.00	2.65 -0.15 0.00	-1.11 0.08 0.00	4.63 -0.35 0.24



MARSH_HILL_WT_PWR 323713	27.27 0.62 -5.67	40.53 0.77 -1.04	33.74 0.57 -2.85	30.66 0.45 -3.20	33.14 0.42 -2.83	29.99 0.55 -3.97	27.48 0.46 -4.63	30.04 0.43 -2.86	34.93 0.51 -1.86	42.04 0.64 0.00	36.78 0.58 -1.50	41.82 0.92 -0.14	38.22 0.85 -1.09	42.01 0.52 0.00	24.85 0.07 -3.71	11.77 0.04 -8.51	12.72 0.01 -9.40	12.72 0.00 -13.70	14.15 -0.02 -9.30	23.86 0.08 -5.85	23.80 0.12 -5.58	10.87 0.00 -8.07	7.95 -0.02 -9.15	14.24 0.11 -8.90
MG INDUSTRY___DRP 24185	55.01 1.03 -33.00	46.67 1.89 -6.06	48.44 1.55 -16.56	47.02 1.40 -18.61	47.94 1.59 -16.45	49.88 1.30 -23.11	50.40 1.08 -26.92	44.59 1.19 -16.66	44.90 1.50 -10.85	43.20 1.80 0.00	44.93 1.52 -8.72	43.35 1.79 -0.79	44.33 1.70 -6.36	43.48 2.00 0.00	43.73 1.06 -21.60	52.89 0.16 -49.49	58.16 0.16 -54.69	78.68 -0.05 -79.71	59.20 0.24 -54.09	52.87 0.91 -34.03	51.47 0.91 -32.45	49.87 0.14 -46.93	52.02 -0.06 -53.26	57.33 0.27 -51.83
MID___OSWEGATCHIE_HYD 23849	20.37 -0.61 0.00	37.68 -1.04 0.00	29.52 -0.80 0.00	26.31 -0.70 0.00	29.12 -0.78 0.00	24.81 -0.66 0.00	21.83 -0.57 0.00	26.10 -0.64 0.00	31.77 -0.78 0.00	40.44 -0.97 0.00	33.83 -0.86 0.00	39.59 -1.18 0.00	35.13 -1.15 0.00	40.12 -1.36 0.00	20.35 -0.71 0.00	3.11 -0.12 0.00	1.42 -0.12 1.77	-0.95 0.04 0.00	4.69 -0.18 0.00	17.23 -0.70 0.00	17.39 -0.71 0.00	2.70 -0.10 0.00	-1.13 0.05 0.00	4.89 -0.20 0.13
MID___RAQUETTE_HYD 23851	20.06 -0.92 0.00	37.17 -1.55 0.00	29.12 -1.20 0.00	25.95 -1.06 0.00	28.71 -1.18 0.00	24.48 -0.99 0.00	21.56 -0.84 0.00	25.75 -0.99 0.00	31.29 -1.26 0.00	39.79 -1.61 0.00	33.23 -1.46 0.00	38.90 -1.87 0.00	34.54 -1.74 0.00	39.48 -2.00 0.00	20.02 -1.05 0.00	3.04 -0.19 0.00	0.45 -0.19 2.67	-0.93 0.05 0.00	4.60 -0.28 0.00	16.86 -1.07 0.00	17.04 -1.06 0.00	2.65 -0.15 0.00	-1.11 0.07 0.00	4.77 -0.26 0.19
MILLIKEN___1 23584	27.02 0.50 -5.54	40.57 0.84 -1.02	33.72 0.62 -2.78	30.68 0.55 -3.12	33.27 0.61 -2.76	29.88 0.54 -3.88	27.38 0.46 -4.52	30.18 0.65 -2.79	35.23 0.86 -1.82	42.62 1.22 0.00	37.25 1.09 -1.46	42.28 1.38 -0.13	38.63 1.29 -1.07	42.81 1.33 0.00	25.30 0.61 -3.62	11.65 0.12 -8.30	12.59 0.11 -9.18	12.36 -0.03 -13.37	14.11 0.16 -9.07	24.27 0.63 -5.71	24.14 0.60 -5.44	10.75 0.08 -7.87	7.72 -0.04 -8.94	14.08 0.16 -8.69
MILLIKEN___2 23585	27.02 0.50 -5.54	40.57 0.84 -1.02	33.72 0.62 -2.78	30.68 0.55 -3.12	33.27 0.61 -2.76	29.88 0.54 -3.88	27.38 0.46 -4.52	30.18 0.65 -2.79	35.23 0.86 -1.82	42.62 1.22 0.00	37.25 1.09 -1.46	42.28 1.38 -0.13	38.63 1.29 -1.07	42.81 1.33 0.00	25.30 0.61 -3.62	11.65 0.12 -8.30	12.59 0.11 -9.18	12.36 -0.03 -13.37	14.11 0.16 -9.07	24.27 0.63 -5.71	24.14 0.60 -5.44	10.75 0.08 -7.87	7.72 -0.04 -8.94	14.08 0.16 -8.69
MILLIKEN___DIESEL 23629	27.02 0.50 -5.54	40.57 0.84 -1.02	33.72 0.62 -2.78	30.68 0.55 -3.12	33.27 0.61 -2.76	29.88 0.54 -3.88	27.38 0.46 -4.52	30.18 0.65 -2.79	35.23 0.86 -1.82	42.62 1.22 0.00	37.25 1.09 -1.46	42.28 1.38 -0.13	38.63 1.29 -1.07	42.81 1.33 0.00	25.30 0.61 -3.62	11.65 0.12 -8.30	12.59 0.11 -9.18	12.36 -0.03 -13.37	14.11 0.16 -9.07	24.27 0.63 -5.71	24.14 0.60 -5.44	10.75 0.08 -7.87	7.72 -0.04 -8.94	14.08 0.16 -8.69
MILLSEAT___LFGE 323607	24.29 -0.57 -3.89	37.96 -1.48 -0.71	31.20 -1.07 -1.95	28.24 -0.97 -2.20	30.86 -0.97 -1.94	27.49 -0.70 -2.73	24.89 -0.69 -3.17	27.63 -1.07 -1.96	32.47 -1.36 -1.28	40.01 -1.39 0.00	34.78 -0.94 -1.03	40.09 -0.77 -0.09	36.48 -0.54 -0.75	40.38 -1.11 0.00	22.90 -0.72 -2.55	9.04 -0.02 -5.83	9.70 -0.06 -6.45	8.43 0.02 -9.39	11.12 -0.13 -6.37	21.71 -0.23 -4.01	21.66 -0.27 -3.82	8.26 -0.07 -5.53	5.10 0.00 -6.28	11.31 -0.03 -6.12
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	49.78 1.56 -27.25	46.33 2.60 -5.00	46.02 2.03 -13.68	44.15 1.77 -15.36	45.35 1.87 -13.58	46.19 1.64 -19.08	46.14 1.51 -22.22	42.42 1.92 -13.75	43.86 2.35 -8.96	44.51 3.11 0.00	44.67 2.78 -7.20	44.77 3.35 -0.66	44.54 3.01 -5.25	44.89 3.41 0.00	40.70 1.79 -17.84	44.38 0.28 -40.86	48.74 0.28 -45.15	64.74 -0.08 -65.81	49.98 0.45 -44.66	47.62 1.60 -28.09	46.50 1.60 -26.79	41.79 0.24 -38.74	42.69 -0.11 -43.97	48.46 0.44 -42.79
MODEL_CITY_ENERGY 24167	23.83 -1.27 -4.13	36.71 -2.77 -0.76	30.33 -2.07 -2.08	27.50 -1.85 -2.34	30.04 -1.92 -2.06	26.84 -1.53 -2.90	24.33 -1.45 -3.37	26.79 -2.04 -2.09	31.30 -2.61 -1.36	38.39 -3.01 0.00	33.51 -2.28 -1.09	38.54 -2.33 -0.10	35.16 -1.91 -0.80	38.78 -2.71 0.00	22.25 -1.52 -2.70	9.28 -0.14 -6.19	9.99 -0.18 -6.86	9.06 0.06 -9.99	11.32 -0.31 -6.76	21.29 -0.90 -4.26	21.22 -0.94 -4.06	8.49 -0.18 -5.87	5.54 0.04 -6.68	11.55 -0.18 -6.51
MODERN_LFGE___ 323580	23.83 -1.27 -4.13	36.71 -2.77 -0.76	30.33 -2.07 -2.08	27.50 -1.85 -2.34	30.04 -1.92 -2.06	26.84 -1.53 -2.90	24.33 -1.45 -3.37	26.79 -2.04 -2.09	31.30 -2.61 -1.36	38.39 -3.01 0.00	33.51 -2.28 -1.09	38.54 -2.33 -0.10	35.16 -1.91 -0.80	38.78 -2.71 0.00	22.25 -1.52 -2.70	9.28 -0.14 -6.19	9.99 -0.18 -6.86	9.06 0.06 -9.99	11.32 -0.31 -6.76	21.29 -0.90 -4.26	21.22 -0.94 -4.06	8.49 -0.18 -5.87	5.54 0.04 -6.68	11.55 -0.18 -6.51
MOHAWK_PAPER___DRP 24187	59.47 1.19 -37.30	47.72 2.15 -6.85	50.74 1.70 -18.72	49.55 1.51 -21.03	50.18 1.69 -18.60	52.98 1.39 -26.12	54.03 1.20 -30.43	46.95 1.38 -18.83	46.56 1.75 -12.26	43.52 2.12 0.00	46.40 1.85 -9.85	43.84 2.17 -0.90	45.45 1.99 -7.19	43.80 2.32 0.00	46.70 1.21 -24.42	59.36 0.19 -55.94	65.30 0.19 -61.80	89.05 -0.06 -90.09	66.29 0.28 -61.13	57.46 1.08 -38.46	55.86 1.09 -36.67	56.01 0.17 -53.04	58.94 -0.07 -60.20	64.13 0.32 -58.58
MONGAUP___HYD 23641	46.28 0.94 -24.37	44.71 1.52 -4.47	43.71 1.16 -12.23	41.75 1.00 -13.74	43.09 1.05 -12.15	43.48 0.95 -17.07	43.16 0.89 -19.88	40.20 1.16 -12.30	41.99 1.43 -8.01	43.18 1.77 0.00	42.69 1.56 -6.44	43.39 2.03 -0.59	42.78 1.81 -4.69	43.52 2.04 0.00	38.08 1.05 -15.95	39.95 0.17 -36.55	43.87 0.19 -40.38	57.82 -0.05 -58.85	45.11 0.30 -39.94	44.11 1.06 -25.12	43.12 1.06 -23.96	37.61 0.16 -34.65	38.08 -0.07 -39.33	43.77 0.27 -38.27
MONTAUK___DIESEL 23721	51.41 2.92 -27.52	48.51 4.73 -5.06	47.92 3.78 -13.81	45.72 3.19 -15.52	47.01 3.39 -13.72	47.65 2.91 -19.28	47.57 2.72 -22.45	43.96 3.33 -13.89	45.76 4.16 -9.05	47.17 5.77 0.00	47.00 5.03 -7.27	47.15 5.72 -0.66	46.53 4.95 -5.30	47.25 5.77 0.00	42.11 3.03 -18.02	44.99 0.48 -41.28	49.39 0.47 -45.61	65.35 -0.14 -66.48	50.78 0.80 -45.11	49.07 2.77 -28.37	47.99 2.82 -27.06	42.38 0.44 -39.14	43.06 -0.18 -44.42	49.19 0.74 -43.23
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	50.19 1.73 -27.49	46.71 2.94 -5.05	46.42 2.30 -13.80	44.51 2.00 -15.50	45.69 2.09 -13.71	46.54 1.82 -19.26	46.52 1.69 -22.42	42.78 2.16 -13.88	44.22 2.63 -9.04	44.93 3.53 0.00	45.06 3.10 -7.26	45.17 3.74 -0.66	44.95 3.38 -5.30	45.30 3.81 0.00	41.09 2.02 -18.00	44.78 0.32 -41.23	49.18 0.32 -45.55	65.32 -0.09 -66.40	50.44 0.51 -45.06	48.06 1.79 -28.34	46.93 1.80 -27.03	42.17 0.28 -39.09	43.07 -0.12 -44.37	48.89 0.48 -43.18



MUNSVILLE_WIND_PWR 323609	30.81 1.61 -8.23	43.10 2.87 -1.51	36.68 2.23 -4.13	33.62 1.97 -4.64	36.12 2.13 -4.10	33.03 1.80 -5.76	30.76 1.65 -6.71	33.05 2.16 -4.15	38.07 2.82 -2.70	45.18 3.78 0.00	40.01 3.14 -2.17	44.58 3.61 -0.20	41.09 3.23 -1.58	44.81 3.33 0.00	27.98 1.52 -5.38	15.84 0.28 -12.33	17.22 0.29 -13.63	18.80 -0.08 -19.86	18.74 0.38 -13.48	27.95 1.54 -8.48	27.68 1.49 -8.09	14.70 0.21 -11.70	12.00 -0.09 -13.27	18.53 0.39 -12.92
N SALMON___HYD 24042	20.84 -0.13 0.00	38.58 -0.14 0.00	30.21 -0.11 0.00	26.92 -0.09 0.00	29.83 -0.06 0.00	25.47 0.00 0.00	22.45 0.05 0.00	26.81 0.07 0.00	32.56 0.01 0.00	41.38 -0.03 0.00	34.58 -0.11 0.00	40.36 -0.41 0.00	35.79 -0.49 0.00	40.80 -0.69 0.00	20.54 -0.53 0.00	3.09 -0.14 0.00	0.03 -0.14 3.13	-0.94 0.04 0.00	4.65 -0.22 0.00	17.07 -0.86 0.00	17.26 -0.84 0.00	2.70 -0.10 0.00	-1.13 0.06 0.00	4.75 -0.25 0.22
N.E_GEN_SANDY PD 24062	54.52 1.29 -32.25	46.83 2.23 -5.89	48.16 1.75 -16.09	46.64 1.56 -18.07	47.55 1.68 -15.98	49.35 1.44 -22.45	49.83 1.28 -26.14	44.47 1.55 -16.18	45.28 1.95 -10.78	43.45 2.38 0.33	45.30 2.14 -8.47	44.04 2.50 -0.77	44.68 2.22 -6.17	44.02 2.54 0.00	43.40 1.35 -20.98	51.31 0.21 -47.86	56.64 0.22 -53.11	76.37 -0.06 -77.42	57.73 0.32 -52.53	52.93 1.21 -33.80	50.83 1.21 -31.52	48.57 0.19 -45.58	50.47 -0.08 -51.73	55.92 0.35 -50.34
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	47.81 1.47 -25.37	45.82 2.44 -4.66	44.96 1.90 -12.74	43.00 1.68 -14.31	44.30 1.75 -12.65	44.80 1.56 -17.77	44.56 1.46 -20.70	41.37 1.82 -12.81	43.12 2.23 -8.34	44.33 2.93 0.00	44.04 2.65 -6.70	44.59 3.21 -0.61	44.06 2.90 -4.89	44.78 3.29 0.00	39.39 1.71 -16.61	41.56 0.28 -38.05	45.63 0.27 -42.05	60.22 -0.08 -61.28	46.89 0.43 -41.59	45.62 1.53 -26.16	44.59 1.54 -24.95	39.12 0.23 -36.08	39.67 -0.10 -40.95	45.50 0.42 -39.85
NARROWS_GT1_1 24228	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
NARROWS_GT1_2 24229	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
NARROWS_GT1_3 24230	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
NARROWS_GT1_4 24231	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
NARROWS_GT1_5 24232	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
NARROWS_GT1_6 24233	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
NARROWS_GT1_7 24234	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
NARROWS_GT1_8 24235	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
NARROWS_GT2_1 24236	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
NARROWS_GT2_2 24237	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
NARROWS_GT2_3 24238	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16



NARROWS_GT2_4 24239	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
NARROWS_GT2_5 24240	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
NARROWS_GT2_6 24241	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
NARROWS_GT2_7 24242	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
NARROWS_GT2_8 24243	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	52.15 1.28 -29.90	46.43 2.22 -5.49	47.06 1.73 -15.01	45.40 1.53 -16.86	46.49 1.69 -14.91	47.80 1.39 -20.94	48.03 1.24 -24.39	43.35 1.52 -15.09	44.30 1.93 -9.83	43.85 2.45 0.00	44.71 2.11 -7.90	43.94 2.45 -0.72	44.28 2.24 -5.76	44.13 2.64 0.00	42.02 1.38 -19.57	48.29 0.22 -44.84	53.07 0.22 -49.54	71.17 -0.07 -72.22	54.22 0.34 -49.00	50.01 1.26 -30.83	48.76 1.26 -29.40	45.51 0.19 -42.52	46.99 -0.08 -48.26	52.54 0.35 -46.96
NEG CAPITAL___MECHNVIL 23645	61.49 1.49 -39.02	48.50 2.61 -7.17	51.97 2.06 -19.59	50.82 1.81 -22.00	51.37 2.01 -19.46	54.48 1.67 -27.33	55.72 1.48 -31.83	48.23 1.79 -19.70	47.75 2.37 -12.83	44.18 2.78 0.00	47.42 2.41 -10.31	44.55 2.84 -0.94	46.36 2.57 -7.52	44.43 2.95 0.00	48.14 1.53 -25.54	61.99 0.24 -58.52	68.33 0.25 -64.77	93.19 -0.08 -94.25	69.20 0.37 -63.96	59.53 1.37 -40.23	57.83 1.36 -38.37	58.50 0.21 -55.50	61.71 -0.09 -62.98	66.91 0.39 -61.30
NEG CENTRAL_HIGH_ACRES 23767	23.60 -0.52 -3.14	38.13 -1.17 -0.58	30.99 -0.91 -1.58	27.95 -0.83 -1.77	30.57 -0.88 -1.57	27.00 -0.67 -2.20	24.37 -0.60 -2.57	27.53 -0.79 -1.59	32.65 -0.93 -1.03	40.43 -0.97 0.00	34.80 -0.73 -0.83	40.17 -0.68 -0.08	36.34 -0.55 -0.60	40.65 -0.83 0.00	22.65 -0.48 -2.06	7.91 -0.03 -4.71	8.47 -0.04 -5.21	6.62 0.01 -7.59	9.94 -0.08 -5.15	20.93 -0.24 -3.24	20.92 -0.27 -3.09	7.21 -0.05 -4.47	3.91 0.02 -5.07	10.06 -0.09 -4.94
NEG CENTRAL___DRP 24199	24.66 0.12 -3.57	39.46 0.08 -0.66	32.13 0.02 -1.79	29.03 0.01 -2.01	31.69 0.02 -1.78	28.03 0.06 -2.50	25.38 0.07 -2.91	28.65 0.11 -1.80	33.89 0.17 -1.17	41.75 0.35 0.00	36.00 0.36 -0.94	41.43 0.58 -0.09	37.54 0.58 -0.69	42.00 0.52 0.00	23.58 0.17 -2.34	8.64 0.05 -5.35	9.27 0.05 -5.91	7.62 -0.01 -8.62	10.78 0.06 -5.85	21.89 0.28 -3.68	21.86 0.25 -3.51	7.90 0.03 -5.08	4.56 -0.02 -5.76	10.89 0.06 -5.60
NEG CENTRAL___INDECK 23768	26.26 0.56 -4.72	40.28 0.69 -0.87	33.23 0.53 -2.37	30.09 0.42 -2.66	32.73 0.48 -2.35	29.32 0.55 -3.31	26.74 0.49 -3.85	29.64 0.52 -2.38	34.75 0.64 -1.55	42.45 1.05 0.00	36.96 1.02 -1.25	42.26 1.38 -0.11	38.53 1.34 -0.91	42.77 1.29 0.00	24.65 0.49 -3.09	10.43 0.12 -7.08	11.23 0.10 -7.82	10.39 -0.03 -11.40	12.73 0.12 -7.74	23.39 0.60 -4.87	23.35 0.61 -4.64	9.59 0.07 -6.71	6.39 -0.04 -7.62	12.80 0.17 -7.41
NEG CENTRAL___SENECA 23627	25.21 0.28 -3.95	39.76 0.32 -0.73	32.52 0.22 -1.98	29.40 0.17 -2.23	32.04 0.18 -1.97	28.46 0.22 -2.77	25.85 0.22 -3.22	29.00 0.27 -2.00	34.23 0.38 -1.30	42.02 0.62 0.00	36.34 0.60 -1.05	41.75 0.88 -0.09	37.90 0.87 -0.76	42.30 0.82 0.00	23.97 0.31 -2.59	9.23 0.07 -5.93	9.93 0.07 -6.55	8.54 -0.02 -9.54	11.44 0.09 -6.48	22.40 0.40 -4.08	22.36 0.37 -3.88	8.46 0.04 -5.62	5.17 -0.03 -6.38	11.53 0.10 -6.21
NEG CENTRAL___STATE_STREET 24147	24.64 0.18 -3.49	39.62 0.26 -0.64	32.23 0.16 -1.75	29.17 0.20 -1.97	31.91 0.27 -1.74	28.09 0.18 -2.44	25.39 0.14 -2.85	28.77 0.27 -1.76	34.09 0.39 -1.15	42.01 0.61 0.00	36.19 0.58 -0.92	41.67 0.81 -0.08	37.74 0.79 -0.67	42.24 0.76 0.00	23.62 0.27 -2.28	8.54 0.07 -5.23	9.15 0.06 -5.78	7.42 -0.02 -8.43	10.68 0.09 -5.72	21.91 0.38 -3.60	21.89 0.36 -3.43	7.80 0.04 -4.96	4.43 -0.02 -5.63	10.78 0.08 -5.48
NEG MILLWOOD___DRP 24198	50.39 1.70 -27.72	46.68 2.87 -5.09	46.46 2.22 -13.91	44.59 1.95 -15.63	45.78 2.06 -13.82	46.68 1.79 -19.41	46.67 1.65 -22.61	42.83 2.10 -13.99	44.25 2.59 -9.11	44.83 3.43 0.00	45.05 3.03 -7.32	45.08 3.64 -0.67	44.91 3.30 -5.34	45.21 3.73 0.00	41.17 1.95 -18.15	45.11 0.31 -41.57	49.55 0.31 -45.93	65.88 -0.09 -66.95	50.80 0.49 -45.43	48.26 1.75 -28.58	47.11 1.75 -27.26	42.49 0.27 -39.42	43.44 -0.11 -44.74	49.23 0.47 -43.54
NEG NORTH_FLCN_SEA 23793	21.03 0.06 0.00	38.95 0.23 0.00	30.50 0.18 0.00	27.18 0.17 0.00	30.13 0.24 0.00	25.73 0.26 0.00	22.69 0.29 0.00	27.07 0.33 0.00	32.91 0.36 0.00	41.69 0.29 0.00	34.84 0.14 0.00	40.57 -0.20 0.00	35.97 -0.31 0.00	41.04 -0.45 0.00	20.57 -0.50 0.00	3.08 -0.16 0.00	-0.20 -0.16 3.35	-0.94 0.05 0.00	4.61 -0.26 0.00	16.91 -1.02 0.00	17.09 -1.01 0.00	2.68 -0.12 0.00	-1.12 0.06 0.00	4.68 -0.30 0.24
NEG NORTH_KES_CHATEGAY 23792	20.79 -0.19 0.00	38.51 -0.22 0.00	30.15 -0.17 0.00	26.87 -0.14 0.00	29.79 -0.10 0.00	25.42 -0.04 0.00	22.41 0.01 0.00	26.73 -0.01 0.00	32.47 -0.08 0.00	41.16 -0.24 0.00	34.35 -0.35 0.00	40.04 -0.73 0.00	35.54 -0.74 0.00	40.51 -0.98 0.00	20.32 -0.75 0.00	3.05 -0.18 0.00	-0.17 -0.19 3.29	-0.93 0.05 0.00	4.58 -0.29 0.00	16.81 -1.12 0.00	17.01 -1.09 0.00	2.66 -0.13 0.00	-1.11 0.07 0.00	4.67 -0.32 0.24



NEG NORTH___ALICE_FALLS 23915	21.05 0.08 0.00	38.98 0.26 0.00	30.52 0.19 0.00	27.20 0.19 0.00	30.15 0.26 0.00	25.74 0.28 0.00	22.71 0.31 0.00	27.09 0.35 0.00	32.95 0.40 0.00	41.79 0.39 0.00	34.94 0.24 0.00	40.69 -0.08 0.00	36.08 -0.20 0.00	41.15 -0.34 0.00	20.63 -0.44 0.00	3.09 -0.14 0.00	-0.18 -0.15 3.34	-0.94 0.04 0.00	4.63 -0.24 0.00	16.98 -0.95 0.00	17.17 -0.93 0.00	2.69 -0.11 0.00	-1.12 0.06 0.00	4.70 -0.28 0.24
NEG NORTH___LWR_SARANAC 23913	21.05 0.08 0.00	38.98 0.26 0.00	30.52 0.19 0.00	27.20 0.19 0.00	30.15 0.26 0.00	25.74 0.28 0.00	22.71 0.31 0.00	27.09 0.35 0.00	32.95 0.40 0.00	41.79 0.39 0.00	34.94 0.24 0.00	40.69 -0.08 0.00	36.08 -0.20 0.00	41.15 -0.34 0.00	20.63 -0.44 0.00	3.09 -0.14 0.00	-0.18 -0.15 3.34	-0.94 0.04 0.00	4.63 -0.24 0.00	16.98 -0.95 0.00	17.17 -0.93 0.00	2.69 -0.11 0.00	-1.12 0.06 0.00	4.70 -0.28 0.24
NEG NORTH___PLATTSBURG 23628	21.05 0.08 0.00	38.98 0.26 0.00	30.52 0.19 0.00	27.20 0.19 0.00	30.15 0.26 0.00	25.74 0.28 0.00	22.71 0.31 0.00	27.09 0.35 0.00	32.95 0.40 0.00	41.79 0.39 0.00	34.94 0.24 0.00	40.69 -0.08 0.00	36.08 -0.20 0.00	41.15 -0.34 0.00	20.63 -0.44 0.00	3.09 -0.14 0.00	-0.18 -0.15 3.34	-0.94 0.04 0.00	4.63 -0.24 0.00	16.98 -0.95 0.00	17.17 -0.93 0.00	2.69 -0.11 0.00	-1.12 0.06 0.00	4.70 -0.28 0.24
NEG WEST_LEA_LOCKPORT 23791	24.12 -0.96 -4.10	37.27 -2.21 -0.76	30.77 -1.62 -2.06	27.88 -1.45 -2.32	30.44 -1.50 -2.05	27.21 -1.14 -2.88	24.65 -1.11 -3.35	27.18 -1.64 -2.07	31.79 -2.12 -1.35	39.02 -2.38 0.00	34.01 -1.77 -1.09	39.16 -1.71 -0.10	35.71 -1.36 -0.79	39.40 -2.08 0.00	22.55 -1.21 -2.69	9.30 -0.09 -6.16	9.99 -0.13 -6.81	8.98 0.04 -9.92	11.36 -0.24 -6.72	21.53 -0.63 -4.23	21.47 -0.67 -4.04	8.50 -0.13 -5.84	5.48 0.03 -6.63	11.56 -0.12 -6.46
NEG WEST___LANCASTR 23811	25.97 0.37 -4.63	39.84 0.27 -0.85	32.92 0.28 -2.32	29.81 0.19 -2.61	32.36 0.15 -2.31	29.00 0.29 -3.24	26.37 0.19 -3.78	29.09 0.02 -2.34	34.06 -0.02 -1.52	41.70 0.30 0.00	36.44 0.53 -1.22	41.94 1.06 -0.11	38.27 1.10 -0.89	42.30 0.81 -0.01	24.28 0.18 -3.03	10.28 0.11 -6.94	11.04 0.06 -7.67	10.18 -0.01 -11.18	12.52 0.05 -7.59	23.15 0.45 -4.77	23.07 0.42 -4.55	9.41 0.03 -6.59	6.24 -0.05 -7.46	12.67 0.18 -7.26
NEG_PENN_ALLEGHNY 23528	30.39 0.48 -8.94	41.14 0.78 -1.64	35.39 0.58 -4.49	32.54 0.49 -5.04	34.86 0.51 -4.45	32.19 0.46 -6.26	30.12 0.43 -7.29	31.80 0.55 -4.51	36.17 0.68 -2.94	42.37 0.97 0.00	37.98 0.92 -2.36	42.20 1.21 -0.22	39.11 1.12 -1.72	42.67 1.19 0.00	27.46 0.54 -5.85	16.73 0.10 -13.40	18.21 0.10 -14.80	20.58 -0.02 -21.58	19.65 0.13 -14.65	27.69 0.54 -9.21	27.39 0.50 -8.79	15.57 0.07 -12.71	13.20 -0.03 -14.42	19.42 0.16 -14.03
NEG___GEN_MONROE 24207	24.01 -0.20 -3.24	38.68 -0.64 -0.59	31.45 -0.50 -1.63	28.37 -0.47 -1.83	31.04 -0.47 -1.62	27.48 -0.26 -2.27	24.83 -0.21 -2.64	27.96 -0.42 -1.64	33.07 -0.55 -1.07	40.96 -0.44 0.00	35.33 -0.22 -0.86	40.81 -0.04 -0.08	36.95 0.05 -0.63	41.27 -0.22 0.00	23.00 -0.19 -2.12	8.12 0.03 -4.86	8.69 0.01 -5.37	6.84 0.00 -7.83	10.17 -0.01 -5.31	21.36 0.09 -3.34	21.34 0.05 -3.19	7.40 -0.01 -4.61	4.04 -0.01 -5.23	10.33 0.02 -5.09
NEPA___ENERGY 23901	25.82 0.21 -4.63	39.66 0.09 -0.85	32.64 -0.01 -2.32	29.59 -0.03 -2.61	32.04 -0.16 -2.31	28.70 -0.01 -3.25	26.12 -0.06 -3.78	28.90 -0.18 -2.34	33.83 -0.24 -1.52	41.34 -0.06 0.00	36.08 0.16 -1.22	41.63 0.75 -0.11	38.05 0.88 -0.89	42.10 0.62 -0.01	24.09 -0.02 -3.03	10.25 0.06 -6.95	11.02 0.04 -7.68	10.23 0.02 -11.19	12.46 -0.02 -7.60	22.96 0.25 -4.78	22.82 0.17 -4.56	9.38 -0.01 -6.59	6.27 -0.03 -7.48	12.66 0.16 -7.27
NEVERSINK___HYD 23608	47.12 2.45 -23.70	47.39 4.32 -4.35	45.60 3.39 -11.89	43.37 3.00 -13.36	45.01 3.30 -11.82	44.95 2.88 -16.60	44.36 2.63 -19.33	41.93 3.22 -11.96	44.25 3.91 -7.79	46.36 4.96 0.00	45.18 4.23 -6.26	46.50 5.16 -0.57	45.48 4.64 -4.56	46.62 5.13 0.00	39.19 2.61 -15.51	39.19 0.42 -35.54	43.01 0.43 -39.26	56.12 -0.13 -57.23	44.38 0.67 -38.84	44.75 2.39 -24.43	43.81 2.41 -23.30	36.87 0.37 -33.70	36.91 -0.16 -38.24	43.09 0.65 -37.22
NEWTON___FALLS_HYD 23847	20.37 -0.61 0.00	37.68 -1.04 0.00	29.52 -0.80 0.00	26.31 -0.70 0.00	29.12 -0.78 0.00	24.81 -0.66 0.00	21.83 -0.57 0.00	26.10 -0.64 0.00	31.77 -0.78 0.00	40.44 -0.97 0.00	33.83 -0.86 0.00	39.59 -1.18 0.00	35.13 -1.15 0.00	40.12 -1.36 0.00	20.35 -0.71 0.00	3.11 -0.12 0.00	1.42 -0.12 1.77	-0.95 0.04 0.00	4.69 -0.18 0.00	17.23 -0.70 0.00	17.39 -0.71 0.00	2.70 -0.10 0.00	-1.13 0.05 0.00	4.89 -0.20 0.13
NIAGARA_115E_LBMP 323715	23.70 -1.44 -4.16	36.43 -3.06 -0.77	30.12 -2.30 -2.09	27.31 -2.06 -2.35	29.84 -2.13 -2.08	26.68 -1.71 -2.92	24.18 -1.62 -3.40	26.60 -2.24 -2.11	31.05 -2.88 -1.37	38.03 -3.37 0.00	33.23 -2.57 -1.10	38.22 -2.66 -0.10	34.87 -2.21 -0.80	38.43 -3.05 0.01	22.09 -1.70 -2.73	9.30 -0.17 -6.24	10.01 -0.21 -6.91	9.14 0.07 -10.06	11.32 -0.36 -6.80	21.18 -1.04 -4.29	21.10 -1.09 -4.09	8.51 -0.20 -5.91	5.60 0.05 -6.74	11.56 -0.22 -6.56
NIAGARA_115W_LBMP 323714	23.80 -1.33 -4.16	36.63 -2.86 -0.77	30.28 -2.14 -2.09	27.49 -1.88 -2.35	30.02 -1.95 -2.08	26.77 -1.62 -2.92	24.26 -1.54 -3.40	26.74 -2.10 -2.11	31.21 -2.71 -1.37	38.26 -3.14 0.00	33.39 -2.40 -1.10	38.41 -2.46 -0.10	35.05 -2.03 -0.80	38.63 -2.85 0.00	22.21 -1.59 -2.73	9.32 -0.15 -6.24	10.03 -0.18 -6.91	9.12 0.05 -10.04	11.34 -0.34 -6.80	21.22 -0.99 -4.29	21.17 -1.02 -4.09	8.52 -0.19 -5.91	5.60 0.04 -6.74	11.60 -0.18 -6.56
NIAGARA_230_LBMP 323716	24.03 -1.09 -4.14	37.06 -2.42 -0.76	30.63 -1.77 -2.08	27.76 -1.58 -2.34	30.30 -1.66 -2.06	27.12 -1.25 -2.90	24.58 -1.20 -3.38	27.03 -1.80 -2.09	31.58 -2.33 -1.36	38.75 -2.65 0.00	33.76 -2.03 -1.09	38.83 -2.03 -0.10	35.42 -1.65 -0.80	39.07 -2.41 0.00	22.43 -1.35 -2.71	9.34 -0.10 -6.21	10.03 -0.14 -6.86	9.06 0.05 -10.00	11.40 -0.26 -6.79	21.46 -0.74 -4.27	21.41 -0.77 -4.07	8.54 -0.15 -5.89	5.53 0.03 -6.68	11.56 -0.16 -6.50
NIAGARA____ 23760	23.86 -1.27 -4.15	36.78 -2.71 -0.76	30.34 -2.07 -2.09	27.51 -1.85 -2.35	30.05 -1.92 -2.07	26.77 -1.62 -2.92	24.26 -1.54 -3.40	26.82 -2.02 -2.10	31.33 -2.59 -1.37	38.43 -2.98 0.00	33.50 -2.30 -1.10	38.54 -2.33 -0.10	35.14 -1.93 -0.80	38.76 -2.72 0.00	22.24 -1.55 -2.72	9.31 -0.16 -6.24	10.02 -0.20 -6.91	9.13 0.06 -10.05	11.35 -0.32 -6.80	21.29 -0.92 -4.28	21.22 -0.96 -4.09	8.53 -0.18 -5.91	5.60 0.05 -6.74	11.60 -0.18 -6.56
NINE_MILE_1 23575	22.29 -0.49 -1.80	38.09 -0.96 -0.33	30.47 -0.75 -0.90	27.35 -0.67 -1.01	30.04 -0.75 -0.90	26.11 -0.62 -1.26	23.33 -0.54 -1.47	27.00 -0.65 -0.91	32.36 -0.78 -0.59	40.47 -0.93 0.00	34.43 -0.74 -0.48	39.99 -0.82 -0.04	35.91 -0.72 -0.35	40.62 -0.87 0.00	21.79 -0.46 -1.18	5.88 -0.06 -2.70	6.23 -0.07 -2.99	3.39 0.02 -4.36	7.73 -0.10 -2.95	19.44 -0.35 -1.86	19.51 -0.37 -1.77	5.30 -0.06 -2.56	1.75 0.02 -2.91	7.94 -0.11 -2.83



NINE_MILE_2 23744	22.29 -0.49 -1.80	38.09 -0.96 -0.33	30.47 -0.75 -0.90	27.35 -0.67 -1.01	30.05 -0.74 -0.90	26.12 -0.61 -1.26	23.33 -0.54 -1.47	27.00 -0.65 -0.91	32.36 -0.78 -0.59	40.47 -0.93 0.00	34.44 -0.74 -0.48	39.99 -0.82 -0.04	35.91 -0.71 -0.35	40.62 -0.86 0.00	21.79 -0.46 -1.18	5.87 -0.06 -2.70	6.22 -0.07 -2.98	3.38 0.02 -4.34	7.72 -0.10 -2.95	19.43 -0.35 -1.85	19.51 -0.37 -1.77	5.30 -0.06 -2.56	1.75 0.02 -2.90	7.94 -0.11 -2.82
NM_CAPITAL___DRP 24208	58.95 1.07 -36.91	47.44 1.94 -6.78	50.38 1.53 -18.52	49.19 1.37 -20.81	49.83 1.53 -18.40	52.56 1.25 -25.85	53.57 1.06 -30.11	46.57 1.20 -18.63	46.19 1.50 -12.13	43.21 1.80 0.00	46.03 1.59 -9.75	43.53 1.87 -0.89	45.10 1.72 -7.11	43.50 2.01 0.00	46.29 1.06 -24.16	58.75 0.16 -55.35	64.63 0.16 -61.16	88.11 -0.05 -89.15	65.61 0.24 -60.49	56.91 0.93 -38.05	55.33 0.94 -36.29	55.43 0.15 -52.49	58.32 -0.06 -59.57	63.48 0.29 -57.97
NM_CENTRAL___DRP 24181	23.29 -0.09 -2.41	38.91 -0.26 -0.44	31.32 -0.21 -1.21	28.18 -0.19 -1.36	30.89 -0.20 -1.20	27.00 -0.15 -1.68	24.24 -0.12 -1.96	27.82 -0.13 -1.21	33.20 -0.14 -0.79	41.31 -0.09 0.00	35.32 -0.01 -0.63	40.90 0.07 -0.06	36.84 0.10 -0.46	41.52 0.04 0.00	22.64 0.00 -1.57	6.86 0.01 -3.61	7.31 0.01 -3.98	4.82 0.00 -5.81	8.82 0.01 -3.94	20.46 0.05 -2.48	20.50 0.03 -2.36	6.22 0.00 -3.42	2.70 0.00 -3.88	9.00 0.00 -3.78
NM_FRONTIER___DRP 24179	23.80 -1.33 -4.16	36.63 -2.86 -0.77	30.28 -2.14 -2.09	27.49 -1.88 -2.35	30.02 -1.95 -2.08	26.77 -1.62 -2.92	24.26 -1.54 -3.40	26.74 -2.10 -2.11	31.21 -2.71 -1.37	38.26 -3.14 0.00	33.39 -2.40 -1.10	38.41 -2.46 -0.10	35.05 -2.03 -0.80	38.63 -2.85 0.00	22.21 -1.59 -2.73	9.32 -0.15 -6.24	10.03 -0.18 -6.91	9.12 0.05 -10.04	11.34 -0.34 -6.80	21.22 -0.99 -4.29	21.17 -1.02 -4.09	8.52 -0.19 -5.91	5.60 0.04 -6.74	11.60 -0.18 -6.56
NM_ST_REGIS___HYD 24053	20.26 -0.72 0.00	37.55 -1.17 0.00	29.40 -0.92 0.00	26.21 -0.80 0.00	29.01 -0.88 0.00	24.75 -0.72 0.00	21.80 -0.60 0.00	26.03 -0.71 0.00	31.62 -0.93 0.00	40.23 -1.18 0.00	33.59 -1.11 0.00	39.28 -1.49 0.00	34.87 -1.41 0.00	39.83 -1.66 0.00	20.15 -0.91 0.00	3.05 -0.18 0.00	0.37 -0.18 2.76	-0.93 0.05 0.00	4.61 -0.27 0.00	16.91 -1.02 0.00	17.09 -1.01 0.00	2.66 -0.14 0.00	-1.11 0.07 0.00	4.76 -0.26 0.20
NORTHPORT___1 23551	50.66 2.16 -27.52	47.20 3.42 -5.06	46.96 2.83 -13.81	44.85 2.32 -15.52	46.08 2.46 -13.72	46.81 2.06 -19.28	46.81 1.96 -22.45	43.07 2.44 -13.89	44.59 2.99 -9.05	45.65 4.25 0.00	45.76 3.80 -7.27	45.62 4.18 -0.66	45.11 3.53 -5.30	45.68 4.19 0.00	41.30 2.21 -18.02	44.86 0.35 -41.28	49.26 0.34 -45.61	65.40 -0.10 -66.48	50.55 0.57 -45.11	48.21 1.90 -28.37	47.16 1.99 -27.06	42.26 0.32 -39.14	43.10 -0.14 -44.42	49.01 0.55 -43.23
NORTHPORT___2 23552	50.66 2.16 -27.52	47.20 3.42 -5.06	46.96 2.83 -13.81	44.85 2.32 -15.52	46.08 2.46 -13.72	46.81 2.06 -19.28	46.81 1.96 -22.45	43.07 2.44 -13.89	44.59 2.99 -9.05	45.65 4.25 0.00	45.76 3.80 -7.27	45.62 4.18 -0.66	45.11 3.53 -5.30	45.68 4.19 0.00	41.30 2.21 -18.02	44.86 0.35 -41.28	49.26 0.34 -45.61	65.40 -0.10 -66.48	50.55 0.57 -45.11	48.21 1.90 -28.37	47.16 1.99 -27.06	42.26 0.32 -39.14	43.10 -0.14 -44.42	49.01 0.55 -43.23
NORTHPORT___3 23553	50.40 1.90 -27.52	46.83 3.06 -5.06	46.63 2.49 -13.81	44.58 2.06 -15.52	45.76 2.15 -13.72	46.58 1.83 -19.28	46.59 1.74 -22.45	42.81 2.18 -13.89	44.29 2.69 -9.05	45.19 3.79 0.00	45.40 3.44 -7.27	45.31 3.88 -0.66	44.86 3.28 -5.30	45.36 3.87 0.00	41.14 2.06 -18.02	44.83 0.33 -41.28	49.23 0.32 -45.61	65.40 -0.09 -66.48	50.51 0.53 -45.11	48.08 1.78 -28.37	47.01 1.84 -27.06	42.23 0.29 -39.14	43.11 -0.12 -44.42	48.95 0.50 -43.23
NORTHPORT___4 23650	50.40 1.90 -27.52	46.83 3.06 -5.06	46.63 2.49 -13.81	44.58 2.06 -15.52	45.76 2.15 -13.72	46.58 1.83 -19.28	46.59 1.74 -22.45	42.81 2.18 -13.89	44.29 2.69 -9.05	45.19 3.79 0.00	45.40 3.44 -7.27	45.31 3.88 -0.66	44.86 3.28 -5.30	45.36 3.87 0.00	41.14 2.06 -18.02	44.83 0.33 -41.28	49.23 0.32 -45.61	65.40 -0.09 -66.48	50.51 0.53 -45.11	48.08 1.78 -28.37	47.01 1.84 -27.06	42.23 0.29 -39.14	43.11 -0.12 -44.42	48.95 0.50 -43.23
NORTHPORT___IC 23718	50.66 2.16 -27.52	47.20 3.42 -5.06	46.96 2.83 -13.81	44.85 2.32 -15.52	46.08 2.46 -13.72	46.81 2.06 -19.28	46.81 1.96 -22.45	43.07 2.44 -13.89	44.59 2.99 -9.05	45.65 4.25 0.00	45.76 3.80 -7.27	45.62 4.18 -0.66	45.11 3.53 -5.30	45.68 4.19 0.00	41.30 2.21 -18.02	44.86 0.35 -41.28	49.26 0.34 -45.61	65.40 -0.10 -66.48	50.55 0.57 -45.11	48.21 1.90 -28.37	47.16 1.99 -27.06	42.26 0.32 -39.14	43.10 -0.14 -44.42	49.01 0.55 -43.23
NPX_GEN_1385_PROXY 323591	51.56 2.20 -28.38	46.76 2.98 -5.06	47.05 2.91 -13.81	44.72 2.19 -15.52	45.94 2.32 -13.72	46.59 1.84 -19.28	46.72 1.87 -22.45	43.15 2.51 -13.89	44.70 3.10 -9.05	46.05 4.65 0.00	45.60 3.63 -7.27	45.11 3.68 -0.66	44.43 2.85 -5.30	45.18 3.70 0.00	40.99 1.90 -18.02	44.82 0.31 -41.28	49.22 0.30 -45.61	65.40 -0.09 -66.48	50.52 0.54 -45.11	48.00 1.70 -28.37	47.07 1.91 -27.06	42.24 0.30 -39.14	43.10 -0.14 -44.42	49.02 0.57 -43.23
NPX_GEN_CSC 323557	51.74 2.39 -28.38	47.60 3.83 -5.06	47.21 3.08 -13.81	45.09 2.56 -15.52	46.32 2.71 -13.72	47.04 2.30 -19.28	47.02 2.17 -22.45	43.31 2.68 -13.89	44.91 3.31 -9.05	46.05 4.65 0.00	46.06 4.09 -7.27	46.03 4.59 -0.66	45.52 3.94 -5.30	46.11 4.62 0.00	41.54 2.45 -18.02	44.89 0.39 -41.28	49.29 0.38 -45.61	65.38 -0.11 -66.48	50.63 0.64 -45.11	48.51 2.21 -28.37	47.44 2.27 -27.06	42.30 0.36 -39.14	43.09 -0.15 -44.42	49.06 0.61 -43.23
NSINS_S_GLNS_FALLS 23858	61.73 1.31 -39.45	48.16 2.20 -7.25	51.81 1.69 -19.80	50.72 1.47 -22.24	51.20 1.64 -19.67	54.39 1.30 -27.63	55.79 1.21 -32.18	48.15 1.50 -19.91	47.71 2.19 -12.97	43.74 2.34 0.00	47.18 2.07 -10.42	44.13 2.41 -0.95	46.05 2.17 -7.60	43.96 2.48 0.00	48.16 1.27 -25.82	62.60 0.20 -59.16	69.01 0.23 -65.48	94.23 -0.07 -95.28	69.85 0.32 -64.65	59.77 1.17 -40.67	58.03 1.15 -38.78	59.08 0.18 -56.10	62.41 -0.07 -63.66	67.51 0.32 -61.96
NUCOR_STEEL___DRP 24197	24.47 0.15 -3.34	39.56 0.22 -0.61	32.12 0.12 -1.68	29.07 0.18 -1.89	31.81 0.26 -1.67	27.97 0.15 -2.34	25.24 0.11 -2.73	28.67 0.24 -1.69	34.01 0.36 -1.10	41.98 0.58 0.00	36.13 0.55 -0.88	41.63 0.78 -0.08	37.67 0.75 -0.64	42.22 0.74 0.00	23.50 0.25 -2.19	8.32 0.07 -5.01	8.90 0.05 -5.54	7.07 -0.02 -8.07	10.43 0.08 -5.48	21.74 0.37 -3.45	21.73 0.34 -3.29	7.59 0.04 -4.75	4.19 -0.02 -5.39	10.55 0.08 -5.25
NYISO_LBMP_REFERENCE 24008	20.98 0.00 0.00	38.72 0.00 0.00	30.32 0.00 0.00	27.01 0.00 0.00	29.89 0.00 0.00	25.47 0.00 0.00	22.40 0.00 0.00	26.74 0.00 0.00	32.55 0.00 0.00	41.40 0.00 0.00	34.70 0.00 0.00	40.77 0.00 0.00	36.28 0.00 0.00	41.48 0.00 0.00	21.07 0.00 0.00	3.23 0.00 0.00	3.31 0.00 0.00	-0.98 0.00 0.00	4.87 0.00 0.00	17.93 0.00 0.00	18.10 0.00 0.00	2.80 0.00 0.00	-1.18 0.00 0.00	5.23 0.00 0.00



NYPA_BRENTWD____GT 24164	50.84 2.34 -27.52	47.54 3.76 -5.06	47.18 3.04 -13.81	45.05 2.52 -15.52	46.31 2.69 -13.72	47.01 2.27 -19.28	47.00 2.14 -22.45	43.29 2.66 -13.89	44.88 3.28 -9.05	45.98 4.58 0.00	46.04 4.08 -7.27	46.01 4.58 -0.66	45.48 3.91 -5.30	46.08 4.59 0.00	41.51 2.42 -18.02	44.89 0.38 -41.28	49.29 0.38 -45.61	65.38 -0.11 -66.48	50.61 0.63 -45.11	48.45 2.15 -28.37	47.38 2.22 -27.06	42.29 0.35 -39.14	43.09 -0.15 -44.42	49.06 0.61 -43.23
NYPA_GOWANUS____GT5 24156	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
NYPA_GOWANUS____GT6 24157	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16
NYPA_HARLEM__RVR__GT1 24160	50.07 1.62 -27.48	46.52 2.77 -5.03	46.25 2.15 -13.78	44.44 1.94 -15.49	45.52 1.93 -13.69	46.40 1.69 -19.24	46.43 1.61 -22.41	42.71 2.10 -13.87	44.11 2.54 -9.03	44.82 3.42 0.00	44.94 2.98 -7.26	44.99 3.56 -0.65	44.80 3.24 -5.29	45.18 3.69 0.00	41.05 1.99 -17.99	44.75 0.30 -41.21	49.15 0.31 -45.53	65.30 -0.09 -66.37	50.41 0.50 -45.04	48.00 1.74 -28.33	46.91 1.78 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.87 0.49 -43.16
NYPA_HARLEM__RVR__GT2 24161	50.07 1.62 -27.48	46.52 2.77 -5.03	46.25 2.15 -13.78	44.44 1.94 -15.49	45.52 1.93 -13.69	46.40 1.69 -19.24	46.43 1.61 -22.41	42.71 2.10 -13.87	44.11 2.54 -9.03	44.82 3.42 0.00	44.94 2.98 -7.26	44.99 3.56 -0.65	44.80 3.24 -5.29	45.18 3.69 0.00	41.05 1.99 -17.99	44.75 0.30 -41.21	49.15 0.31 -45.53	65.30 -0.09 -66.37	50.41 0.50 -45.04	48.00 1.74 -28.33	46.91 1.78 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.87 0.49 -43.16
NYPA_KENT____GT 24152	50.22 1.76 -27.48	46.78 3.02 -5.05	46.47 2.36 -13.79	44.57 2.06 -15.49	45.73 2.14 -13.70	46.59 1.87 -19.25	46.57 1.76 -22.42	42.85 2.24 -13.87	44.31 2.72 -9.03	45.07 3.67 0.00	45.17 3.21 -7.26	45.31 3.87 -0.66	45.09 3.52 -5.29	45.44 3.95 0.00	41.15 2.09 -17.99	44.77 0.33 -41.21	49.17 0.32 -45.53	65.29 -0.10 -66.37	50.44 0.53 -45.04	48.10 1.84 -28.33	46.98 1.86 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.89 0.51 -43.16
NYPA_POUCH1____GT 24155	50.21 1.76 -27.48	46.79 3.02 -5.05	46.48 2.37 -13.79	44.57 2.06 -15.49	45.72 2.13 -13.70	46.58 1.87 -19.25	46.54 1.72 -22.42	42.82 2.21 -13.87	44.24 2.65 -9.03	44.98 3.58 0.00	45.11 3.16 -7.26	45.20 3.77 -0.66	45.00 3.43 -5.29	45.37 3.88 0.00	41.11 2.05 -17.99	44.77 0.33 -41.21	49.17 0.32 -45.53	65.29 -0.10 -66.37	50.43 0.52 -45.04	48.08 1.82 -28.33	46.94 1.82 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.49 -43.16
NYPA_VERNON____GT2 24162	50.19 1.73 -27.48	46.73 2.96 -5.05	46.42 2.30 -13.79	44.52 2.02 -15.49	45.68 2.09 -13.70	46.55 1.83 -19.25	46.55 1.73 -22.42	42.83 2.22 -13.87	44.28 2.69 -9.03	45.02 3.62 0.00	45.13 3.18 -7.26	45.26 3.83 -0.66	45.04 3.47 -5.29	45.37 3.89 0.00	41.12 2.07 -17.99	44.77 0.32 -41.21	49.17 0.32 -45.53	65.29 -0.09 -66.37	50.43 0.52 -45.04	48.08 1.81 -28.33	46.95 1.83 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.89 0.51 -43.16
NYPA_VERNON____GT3 24163	50.19 1.73 -27.48	46.73 2.96 -5.05	46.42 2.30 -13.79	44.52 2.02 -15.49	45.68 2.09 -13.70	46.55 1.83 -19.25	46.55 1.73 -22.42	42.83 2.22 -13.87	44.28 2.69 -9.03	45.02 3.62 0.00	45.13 3.18 -7.26	45.26 3.83 -0.66	45.04 3.47 -5.29	45.37 3.89 0.00	41.12 2.07 -17.99	44.77 0.32 -41.21	49.17 0.32 -45.53	65.29 -0.09 -66.37	50.43 0.52 -45.04	48.08 1.81 -28.33	46.95 1.83 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.89 0.51 -43.16
NYPA__ASTORIA_CC1 323568	50.16 1.70 -27.48	46.68 2.91 -5.05	46.39 2.28 -13.79	44.51 2.00 -15.49	45.66 2.06 -13.70	46.52 1.80 -19.25	46.54 1.72 -22.42	42.82 2.21 -13.87	44.26 2.68 -9.03	45.00 3.60 0.00	45.12 3.16 -7.26	45.23 3.80 -0.66	45.03 3.46 -5.29	45.34 3.85 0.00	41.11 2.06 -17.99	44.77 0.32 -41.21	49.16 0.32 -45.53	65.29 -0.10 -66.37	50.43 0.51 -45.04	48.06 1.80 -28.33	46.94 1.82 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.50 -43.16
NYPA__ASTORIA_CC2 323569	50.16 1.70 -27.48	46.68 2.91 -5.05	46.39 2.28 -13.79	44.51 2.00 -15.49	45.66 2.06 -13.70	46.52 1.80 -19.25	46.54 1.72 -22.42	42.82 2.21 -13.87	44.26 2.68 -9.03	45.00 3.60 0.00	45.12 3.16 -7.26	45.23 3.80 -0.66	45.03 3.46 -5.29	45.34 3.85 0.00	41.11 2.06 -17.99	44.77 0.32 -41.21	49.16 0.32 -45.53	65.29 -0.10 -66.37	50.43 0.51 -45.04	48.06 1.80 -28.33	46.94 1.82 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.50 -43.16
NYPA__HOLTSVILL 23794	50.74 2.25 -27.52	47.36 3.59 -5.06	47.05 2.91 -13.81	44.94 2.41 -15.52	46.17 2.55 -13.72	46.90 2.16 -19.28	46.89 2.04 -22.45	43.16 2.52 -13.89	44.71 3.11 -9.05	45.78 4.38 0.00	45.87 3.91 -7.27	45.82 4.39 -0.66	45.32 3.74 -5.30	45.89 4.40 0.00	41.41 2.33 -18.02	44.87 0.36 -41.28	49.27 0.35 -45.61	65.39 -0.11 -66.48	50.58 0.60 -45.11	48.35 2.04 -28.37	47.28 2.12 -27.06	42.27 0.33 -39.14	43.10 -0.14 -44.42	49.03 0.58 -43.23
NYPA__HELLGATE_GT1 24158	50.07 1.62 -27.48	46.53 2.77 -5.05	46.26 2.15 -13.79	44.44 1.94 -15.49	45.53 1.93 -13.70	46.41 1.69 -19.25	46.43 1.61 -22.41	42.71 2.10 -13.87	44.12 2.54 -9.03	44.82 3.42 0.00	44.94 2.98 -7.26	44.99 3.56 -0.66	44.81 3.24 -5.29	45.18 3.69 0.00	41.05 1.99 -17.99	44.75 0.30 -41.21	49.15 0.31 -45.53	65.30 -0.09 -66.37	50.41 0.50 -45.04	48.00 1.74 -28.33	46.91 1.78 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.87 0.49 -43.16
NYPA__HELLGATE_GT2 24159	50.07 1.62 -27.48	46.53 2.77 -5.05	46.26 2.15 -13.79	44.44 1.94 -15.49	45.53 1.93 -13.70	46.41 1.69 -19.25	46.43 1.61 -22.41	42.71 2.10 -13.87	44.12 2.54 -9.03	44.82 3.42 0.00	44.94 2.98 -7.26	44.99 3.56 -0.66	44.81 3.24 -5.29	45.18 3.69 0.00	41.05 1.99 -17.99	44.75 0.30 -41.21	49.15 0.31 -45.53	65.30 -0.09 -66.37	50.41 0.50 -45.04	48.00 1.74 -28.33	46.91 1.78 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.87 0.49 -43.16
NYS_BARGE__HYD 23848	24.05 -1.00 -4.07	37.21 -2.26 -0.75	30.69 -1.67 -2.05	27.81 -1.50 -2.30	30.39 -1.54 -2.03	27.14 -1.18 -2.85	24.58 -1.14 -3.32	27.13 -1.67 -2.06	31.74 -2.15 -1.34	38.98 -2.42 0.00	33.99 -1.79 -1.08	39.13 -1.74 -0.10	35.68 -1.39 -0.79	39.38 -2.11 0.00	22.51 -1.22 -2.66	9.24 -0.09 -6.10	9.93 -0.13 -6.75	8.89 0.04 -9.84	11.30 -0.24 -6.67	21.49 -0.64 -4.20	21.42 -0.68 -4.00	8.45 -0.14 -5.79	5.42 0.03 -6.58	11.51 -0.12 -6.41



OAK ORCHARD___HYD 24046	23.89 -0.28 -3.20	38.52 -0.79 -0.59	31.33 -0.60 -1.61	28.27 -0.55 -1.81	30.93 -0.56 -1.60	27.34 -0.38 -2.24	24.67 -0.35 -2.61	27.83 -0.53 -1.62	32.96 -0.65 -1.05	40.80 -0.60 0.00	35.16 -0.38 -0.85	40.60 -0.25 -0.08	36.75 -0.14 -0.62	41.06 -0.42 0.00	22.89 -0.28 -2.10	8.05 0.01 -4.81	8.61 0.00 -5.31	6.76 0.00 -7.74	10.09 -0.03 -5.25	21.22 -0.01 -3.30	21.21 -0.04 -3.15	7.33 -0.02 -4.56	3.99 0.00 -5.17	10.24 -0.02 -5.03
OCC_CHEM___DRP 24175	23.94 -1.24 -4.20	36.80 -2.69 -0.77	30.42 -2.00 -2.10	27.62 -1.76 -2.36	30.16 -1.82 -2.09	26.92 -1.48 -2.94	24.40 -1.42 -3.42	26.88 -1.98 -2.11	31.37 -2.56 -1.38	38.46 -2.94 0.00	33.56 -2.24 -1.11	38.59 -2.28 -0.10	35.21 -1.87 -0.81	38.81 -2.68 0.00	22.32 -1.49 -2.75	9.40 -0.13 -6.30	10.09 -0.16 -6.95	9.21 0.05 -10.14	11.45 -0.31 -6.89	21.37 -0.90 -4.33	21.30 -0.93 -4.13	8.60 -0.17 -5.97	5.62 0.04 -6.76	11.63 -0.17 -6.57
OH_GEN_PROXY 24063	24.95 -1.01 -4.99	37.19 -2.29 -0.76	30.73 -1.67 -2.08	27.84 -1.50 -2.33	30.37 -1.59 -2.06	27.17 -1.19 -2.89	24.62 -1.15 -3.37	27.12 -1.71 -2.09	31.70 -2.21 -1.36	38.91 -2.49 0.00	33.87 -1.92 -1.09	38.97 -1.90 -0.10	35.54 -1.53 -0.80	39.22 -2.27 0.00	22.50 -1.27 -2.70	9.33 -0.10 -6.20	10.03 -0.13 -6.85	9.04 0.04 -9.98	11.40 -0.25 -6.77	21.52 -0.67 -4.26	21.46 -0.71 -4.07	8.54 -0.14 -5.88	5.52 0.03 -6.67	11.56 -0.15 -6.49
OLIN_CORP_DRP 24177	23.99 -1.26 -4.27	36.75 -2.75 -0.77	30.41 -2.04 -2.13	27.58 -1.82 -2.39	30.12 -1.89 -2.12	26.96 -1.49 -2.98	24.46 -1.42 -3.47	26.86 -2.02 -2.14	31.34 -2.60 -1.39	38.40 -3.01 0.00	33.52 -2.29 -1.12	38.53 -2.34 -0.10	35.18 -1.92 -0.82	38.75 -2.73 0.01	22.33 -1.53 -2.79	9.49 -0.14 -6.40	10.17 -0.18 -7.04	9.35 0.06 -10.28	11.58 -0.31 -7.02	21.45 -0.89 -4.40	21.37 -0.93 -4.20	8.70 -0.17 -6.08	5.70 0.04 -6.84	11.68 -0.19 -6.64
OLIN_CORP_DSASP 323712	23.94 -1.24 -4.20	36.80 -2.69 -0.77	30.42 -2.00 -2.10	27.62 -1.76 -2.36	30.16 -1.82 -2.09	26.92 -1.48 -2.94	24.40 -1.42 -3.42	26.88 -1.98 -2.11	31.37 -2.56 -1.38	38.46 -2.94 0.00	33.56 -2.24 -1.11	38.59 -2.28 -0.10	35.21 -1.87 -0.81	38.81 -2.68 0.00	22.32 -1.49 -2.75	9.40 -0.13 -6.30	10.09 -0.16 -6.95	9.21 0.05 -10.14	11.45 -0.31 -6.89	21.37 -0.90 -4.33	21.30 -0.93 -4.13	8.60 -0.17 -5.97	5.62 0.04 -6.76	11.63 -0.17 -6.57
ONEIDA_HERK_LFGE 323681	21.16 0.18 0.00	39.04 0.32 0.00	30.59 0.26 0.00	27.24 0.23 0.00	30.16 0.27 0.00	25.70 0.23 0.00	22.62 0.21 0.00	27.05 0.31 0.00	32.98 0.43 0.00	42.03 0.63 0.00	35.23 0.53 0.00	41.38 0.61 0.00	36.79 0.51 0.00	42.03 0.55 0.00	21.33 0.26 0.00	3.28 0.05 0.00	3.14 0.05 0.22	-1.00 -0.01 0.00	4.93 0.05 0.00	18.14 0.21 0.00	18.29 0.19 0.00	2.83 0.03 0.00	-1.19 -0.01 0.00	5.24 0.03 0.02
ONONDAGA_REF_OCCRA 23987	24.04 0.06 -3.01	39.28 0.01 -0.55	31.83 0.00 -1.51	28.70 -0.01 -1.70	31.38 -0.01 -1.50	27.59 0.01 -2.11	24.89 0.03 -2.46	28.31 0.05 -1.52	33.64 0.10 -0.99	41.62 0.22 0.00	35.74 0.25 -0.79	41.22 0.38 -0.07	37.24 0.38 -0.58	41.85 0.36 0.00	23.20 0.16 -1.97	7.78 0.04 -4.51	8.33 0.04 -4.99	6.27 -0.01 -7.27	9.85 0.05 -4.93	21.22 0.19 -3.10	21.23 0.17 -2.96	7.10 0.02 -4.28	3.66 -0.01 -4.85	9.99 0.04 -4.73
ONONDAGA___COGEN 23986	23.79 0.01 -2.81	39.17 -0.07 -0.52	31.66 -0.07 -1.41	28.53 -0.06 -1.58	31.24 -0.06 -1.40	27.40 -0.03 -1.97	24.67 -0.02 -2.29	28.15 0.00 -1.42	33.51 0.04 -0.92	41.52 0.12 0.00	35.61 0.17 -0.74	41.11 0.28 -0.07	37.09 0.28 -0.54	41.71 0.23 0.00	22.99 0.08 -1.83	7.47 0.03 -4.21	7.98 0.03 -4.65	5.78 -0.01 -6.77	9.50 0.03 -4.60	20.97 0.15 -2.89	20.99 0.13 -2.76	6.80 0.01 -3.99	3.34 -0.01 -4.53	9.65 0.02 -4.41
ONTARIO___LFGE 23819	25.21 0.28 -3.95	39.76 0.32 -0.73	32.52 0.22 -1.98	29.40 0.17 -2.23	32.04 0.18 -1.97	28.46 0.22 -2.77	25.85 0.22 -3.22	29.00 0.27 -2.00	34.23 0.38 -1.30	42.02 0.62 0.00	36.34 0.60 -1.05	41.75 0.88 -0.09	37.90 0.87 -0.76	42.30 0.82 0.00	23.97 0.31 -2.59	9.23 0.07 -5.93	9.93 0.07 -6.55	8.54 -0.02 -9.54	11.44 0.09 -6.48	22.40 0.40 -4.08	22.36 0.37 -3.88	8.46 0.04 -5.62	5.17 -0.03 -6.38	11.53 0.10 -6.21
ORANGEVILLE_WT_PWR 323706	25.94 -0.11 -5.08	39.06 -0.59 -0.93	32.44 -0.43 -2.55	29.44 -0.44 -2.86	31.94 -0.48 -2.53	28.77 -0.26 -3.56	26.22 -0.32 -4.14	28.72 -0.58 -2.56	33.40 -0.82 -1.67	40.44 -0.97 0.00	35.35 -0.69 -1.34	40.40 -0.49 -0.12	36.93 -0.32 -0.98	40.65 -0.83 0.00	23.73 -0.66 -3.33	10.80 -0.05 -7.62	11.64 -0.08 -8.42	11.32 0.03 -12.27	13.02 -0.18 -8.33	22.72 -0.44 -5.24	22.74 -0.35 -5.00	9.95 -0.07 -7.23	7.02 0.01 -8.20	13.17 -0.03 -7.97
ORANGEVILLE___ESR 323794	25.94 -0.11 -5.08	39.06 -0.59 -0.93	32.44 -0.43 -2.55	29.44 -0.44 -2.86	31.94 -0.48 -2.53	28.77 -0.26 -3.56	26.22 -0.32 -4.14	28.72 -0.58 -2.56	33.40 -0.82 -1.67	40.44 -0.97 0.00	35.35 -0.69 -1.34	40.40 -0.49 -0.12	36.93 -0.32 -0.98	40.65 -0.83 0.00	23.73 -0.66 -3.33	10.80 -0.05 -7.62	11.64 -0.08 -8.42	11.32 0.03 -12.27	13.02 -0.18 -8.33	22.72 -0.44 -5.24	22.74 -0.35 -5.00	9.95 -0.07 -7.23	7.02 0.01 -8.20	13.17 -0.03 -7.97
OSWEGATCHIE___HYD 24044	20.37 -0.61 0.00	37.68 -1.04 0.00	29.52 -0.80 0.00	26.31 -0.70 0.00	29.12 -0.78 0.00	24.81 -0.66 0.00	21.83 -0.57 0.00	26.10 -0.64 0.00	31.77 -0.78 0.00	40.44 -0.97 0.00	33.83 -0.86 0.00	39.59 -1.18 0.00	35.13 -1.15 0.00	40.12 -1.36 0.00	20.35 -0.71 0.00	3.11 -0.12 0.00	1.42 -0.12 1.77	-0.95 0.04 0.00	4.69 -0.18 0.00	17.23 -0.70 0.00	17.39 -0.71 0.00	2.70 -0.10 0.00	-1.13 0.05 0.00	4.89 -0.20 0.13
OSWEGO___5 23606	22.68 -0.34 -2.05	38.40 -0.70 -0.38	30.80 -0.56 -1.03	27.66 -0.50 -1.16	30.37 -0.55 -1.02	26.45 -0.45 -1.44	23.68 -0.39 -1.67	27.31 -0.47 -1.03	32.67 -0.56 -0.67	40.76 -0.64 0.00	34.75 -0.49 -0.54	40.28 -0.53 -0.05	36.22 -0.45 -0.39	40.91 -0.57 0.00	22.10 -0.31 -1.34	6.27 -0.04 -3.07	6.66 -0.04 -3.39	3.98 0.01 -4.95	8.17 -0.07 -3.36	19.82 -0.22 -2.11	19.88 -0.24 -2.01	5.67 -0.04 -2.91	2.14 0.02 -3.31	8.37 -0.07 -3.22
OSWEGO___6 23613	22.68 -0.34 -2.05	38.40 -0.70 -0.38	30.80 -0.56 -1.03	27.66 -0.50 -1.16	30.37 -0.55 -1.02	26.45 -0.45 -1.44	23.68 -0.39 -1.67	27.31 -0.47 -1.03	32.67 -0.56 -0.67	40.76 -0.64 0.00	34.75 -0.49 -0.54	40.28 -0.53 -0.05	36.22 -0.45 -0.39	40.91 -0.57 0.00	22.10 -0.31 -1.34	6.27 -0.04 -3.07	6.66 -0.04 -3.39	3.98 0.01 -4.95	8.17 -0.07 -3.36	19.82 -0.22 -2.11	19.88 -0.24 -2.01	5.67 -0.04 -2.91	2.14 0.02 -3.31	8.37 -0.07 -3.22
OUTOKUMPU-AB___DRP 24206	24.54 -0.68 -4.25	37.82 -1.68 -0.78	31.23 -1.22 -2.13	28.31 -1.09 -2.39	30.89 -1.12 -2.12	27.61 -0.83 -2.97	25.03 -0.84 -3.46	27.60 -1.28 -2.14	32.26 -1.68 -1.40	39.57 -1.83 0.00	34.54 -1.28 -1.12	39.74 -1.14 -0.10	36.25 -0.84 -0.82	39.98 -1.51 0.00	22.92 -0.93 -2.78	9.55 -0.05 -6.37	10.26 -0.08 -7.03	9.30 0.03 -10.25	11.66 -0.18 -6.96	21.89 -0.42 -4.38	21.84 -0.44 -4.18	8.74 -0.10 -6.04	5.67 0.01 -6.84	11.83 -0.05 -6.66



OXBOW____ 24026	24.27 -0.93 -4.22	37.37 -2.13 -0.77	30.86 -1.57 -2.12	27.99 -1.39 -2.38	30.56 -1.44 -2.10	27.30 -1.12 -2.95	24.75 -1.09 -3.44	27.28 -1.59 -2.13	31.86 -2.08 -1.38	39.08 -2.33 0.00	34.10 -1.71 -1.11	39.24 -1.63 -0.10	35.79 -1.30 -0.81	39.46 -2.02 0.00	22.66 -1.18 -2.76	9.48 -0.09 -6.33	10.18 -0.12 -6.99	9.25 0.04 -10.20	11.57 -0.23 -6.93	21.66 -0.62 -4.36	21.60 -0.65 -4.15	8.67 -0.13 -6.01	5.64 0.02 -6.80	11.74 -0.10 -6.62
OXY_CHEM_DSASP 323612	23.94 -1.24 -4.20	36.80 -2.69 -0.77	30.42 -2.00 -2.10	27.62 -1.76 -2.36	30.16 -1.82 -2.09	26.92 -1.48 -2.94	24.40 -1.42 -3.42	26.88 -1.98 -2.11	31.37 -2.56 -1.38	38.46 -2.94 0.00	33.56 -2.24 -1.11	38.59 -2.28 -0.10	35.21 -1.87 -0.81	38.81 -2.68 0.00	22.32 -1.49 -2.75	9.40 -0.13 -6.30	10.09 -0.16 -6.95	9.21 0.05 -10.14	11.45 -0.31 -6.89	21.37 -0.90 -4.33	21.30 -0.93 -4.13	8.60 -0.17 -5.97	5.62 0.04 -6.76	11.63 -0.17 -6.57
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	23.94 -1.24 -4.20	36.80 -2.69 -0.77	30.42 -2.00 -2.10	27.62 -1.76 -2.36	30.16 -1.82 -2.09	26.92 -1.48 -2.94	24.40 -1.42 -3.42	26.88 -1.98 -2.11	31.37 -2.56 -1.38	38.46 -2.94 0.00	33.56 -2.24 -1.11	38.59 -2.28 -0.10	35.21 -1.87 -0.81	38.81 -2.68 0.00	22.32 -1.49 -2.75	9.40 -0.13 -6.30	10.09 -0.16 -6.95	9.21 0.05 -10.14	11.45 -0.31 -6.89	21.37 -0.90 -4.33	21.30 -0.93 -4.13	8.60 -0.17 -5.97	5.62 0.04 -6.76	11.63 -0.17 -6.57
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	50.13 1.67 -27.48	46.70 2.94 -5.05	46.40 2.29 -13.79	44.53 2.03 -15.49	45.65 2.06 -13.70	46.51 1.80 -19.25	46.52 1.70 -22.42	42.80 2.19 -13.87	44.23 2.64 -9.03	44.97 3.57 0.00	45.07 3.12 -7.26	45.16 3.73 -0.66	44.95 3.38 -5.29	45.33 3.85 0.00	41.10 2.05 -17.99	44.76 0.32 -41.21	49.16 0.32 -45.53	65.29 -0.09 -66.37	50.43 0.51 -45.04	48.07 1.80 -28.33	46.96 1.84 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.89 0.50 -43.16
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	50.58 2.13 -27.48	47.57 3.80 -5.05	47.11 3.00 -13.79	45.14 2.64 -15.49	46.46 2.87 -13.70	47.12 2.40 -19.25	47.04 2.22 -22.42	43.42 2.81 -13.87	44.98 3.39 -9.03	45.92 4.52 0.00	45.85 3.90 -7.26	46.03 4.59 -0.66	45.69 4.12 -5.29	46.15 4.67 0.00	41.50 2.45 -17.99	44.83 0.38 -41.21	49.23 0.39 -45.53	65.28 -0.11 -66.37	50.53 0.62 -45.04	48.36 2.09 -28.33	47.24 2.12 -27.02	42.21 0.33 -39.08	43.03 -0.14 -44.35	48.98 0.59 -43.16
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	25.69 0.17 -4.54	39.44 -0.11 -0.83	32.58 -0.01 -2.27	29.50 -0.06 -2.55	32.06 -0.09 -2.26	28.73 0.08 -3.17	26.11 0.01 -3.70	28.80 -0.23 -2.29	33.71 -0.33 -1.49	41.29 -0.11 0.00	36.07 0.18 -1.20	41.52 0.64 -0.11	37.89 0.74 -0.87	41.86 0.36 -0.02	24.00 -0.03 -2.97	10.11 0.08 -6.80	10.85 0.04 -7.51	9.96 0.00 -10.95	12.33 0.01 -7.44	22.90 0.29 -4.68	22.83 0.27 -4.46	9.26 0.01 -6.45	6.09 -0.04 -7.31	12.47 0.14 -7.11
PAWLING_115_KV_BK3_REV_LBMP_H 345028	50.39 1.70 -27.72	46.68 2.87 -5.09	46.46 2.22 -13.91	44.59 1.95 -15.63	45.78 2.06 -13.82	46.68 1.79 -19.41	46.67 1.65 -22.61	42.83 2.10 -13.99	44.25 2.59 -9.11	44.83 3.43 0.00	45.05 3.03 -7.32	45.08 3.64 -0.67	44.91 3.30 -5.34	45.21 3.73 0.00	41.17 1.95 -18.15	45.11 0.31 -41.57	49.55 0.31 -45.93	65.88 -0.09 -66.95	50.80 0.49 -45.43	48.26 1.75 -28.58	47.11 1.75 -27.26	42.49 0.27 -39.42	43.44 -0.11 -44.74	49.23 0.47 -43.54
PEEKSKILL____ 23653	49.52 1.54 -27.00	46.24 2.56 -4.96	45.87 2.00 -13.55	43.99 1.75 -15.22	45.20 1.84 -13.46	45.99 1.62 -18.91	45.93 1.50 -22.02	42.26 1.90 -13.63	43.74 2.32 -8.88	44.47 3.07 0.00	44.57 2.74 -7.13	44.73 3.31 -0.65	44.46 2.99 -5.20	44.86 3.38 0.00	40.51 1.77 -17.67	44.00 0.28 -40.49	48.32 0.28 -44.73	64.14 -0.08 -65.21	49.57 0.45 -44.25	47.35 1.58 -27.83	46.24 1.59 -26.55	41.44 0.24 -38.39	42.28 -0.11 -43.57	48.06 0.43 -42.40
PGE MADISON____WINDPWR 24146	30.81 1.61 -8.23	43.10 2.87 -1.51	36.68 2.23 -4.13	33.62 1.97 -4.64	36.12 2.13 -4.10	33.03 1.80 -5.76	30.76 1.65 -6.71	33.05 2.16 -4.15	38.07 2.82 -2.70	45.18 3.78 0.00	40.01 3.14 -2.17	44.58 3.61 -0.20	41.09 3.23 -1.58	44.81 3.33 0.00	27.98 1.52 -5.38	15.84 0.28 -12.33	17.22 0.29 -13.63	18.80 -0.08 -19.86	18.74 0.38 -13.48	27.95 1.54 -8.48	27.68 1.49 -8.09	14.70 0.21 -11.70	12.00 -0.09 -13.27	18.53 0.39 -12.92
PIERCEFIELD____HYD 23852	20.06 -0.92 0.00	37.17 -1.55 0.00	29.12 -1.20 0.00	25.95 -1.06 0.00	28.71 -1.18 0.00	24.48 -0.99 0.00	21.56 -0.84 0.00	25.75 -0.99 0.00	31.29 -1.26 0.00	39.79 -1.61 0.00	33.23 -1.46 0.00	38.90 -1.87 0.00	34.54 -1.74 0.00	39.48 -2.00 0.00	20.02 -1.05 0.00	3.04 -0.19 0.00	0.45 -0.19 2.67	-0.93 0.05 0.00	4.60 -0.28 0.00	16.86 -1.07 0.00	17.04 -1.06 0.00	2.65 -0.15 0.00	-1.11 0.07 0.00	4.77 -0.26 0.19
PINELAWN_CC_1 323563	50.70 2.20 -27.52	47.31 3.53 -5.06	47.00 2.86 -13.81	44.90 2.37 -15.52	46.11 2.50 -13.72	46.86 2.12 -19.28	46.85 2.00 -22.45	43.13 2.50 -13.89	44.66 3.07 -9.05	45.67 4.27 0.00	45.78 3.82 -7.27	45.75 4.32 -0.66	45.26 3.68 -5.30	45.78 4.30 0.00	41.37 2.29 -18.02	44.87 0.36 -41.28	49.27 0.36 -45.61	65.39 -0.11 -66.48	50.59 0.61 -45.11	48.36 2.05 -28.37	47.28 2.12 -27.06	42.27 0.34 -39.14	43.10 -0.14 -44.42	49.02 0.57 -43.23
PJM_GEN_HTP_PROXY 323702	50.35 1.74 -27.65	46.70 2.94 -5.04	46.38 2.28 -13.78	44.47 1.99 -15.47	45.65 2.07 -13.68	46.51 1.82 -19.22	46.47 1.68 -22.39	42.75 2.16 -13.85	44.19 2.61 -9.02	44.92 3.51 0.00	45.02 3.08 -7.25	45.16 3.73 -0.66	44.94 3.37 -5.29	45.29 3.81 0.00	41.05 2.01 -17.96	44.71 0.32 -41.16	49.10 0.32 -45.47	65.21 -0.09 -66.28	50.36 0.51 -44.98	48.01 1.79 -28.29	46.88 1.79 -26.98	42.10 0.28 -39.03	42.99 -0.12 -44.29	48.81 0.48 -43.10
PJM_GEN_KEystone 24065	37.99 0.71 -16.31	42.69 1.02 -2.96	39.22 0.81 -8.09	36.79 0.70 -9.08	38.60 0.67 -8.03	37.44 0.68 -11.28	36.16 0.62 -13.14	35.57 0.70 -8.13	38.67 0.82 -5.30	42.66 1.25 0.00	40.20 1.25 -4.26	42.87 1.71 -0.39	41.00 1.62 -3.10	43.14 1.65 0.00	32.38 0.77 -10.55	27.56 0.16 -24.16	30.15 0.14 -26.70	37.89 -0.04 -38.91	31.49 0.20 -26.41	35.37 0.82 -16.61	34.74 0.80 -15.84	25.82 0.10 -22.91	24.76 -0.06 -26.00	30.78 0.25 -25.30
PJM_GEN_NEPTUNE_PROXY 323594	50.57 1.87 -27.72	46.81 3.03 -5.06	46.57 2.44 -13.81	44.55 2.02 -15.52	45.75 2.13 -13.72	46.55 1.81 -19.28	46.56 1.71 -22.45	42.78 2.15 -13.89	44.25 2.65 -9.05	45.10 3.70 0.00	45.33 3.37 -7.27	45.31 3.88 -0.66	44.89 3.32 -5.30	45.36 3.87 0.00	41.14 2.05 -18.02	44.83 0.32 -41.28	49.23 0.32 -45.61	65.40 -0.09 -66.48	50.51 0.53 -45.11	48.10 1.79 -28.37	47.02 1.85 -27.06	42.23 0.29 -39.14	43.11 -0.12 -44.42	48.95 0.50 -43.23
PJM_GEN_VFT_PROXY 323633	50.34 1.71 -27.66	46.67 2.90 -5.04	46.36 2.26 -13.78	44.45 1.96 -15.48	45.62 2.04 -13.69	46.49 1.79 -19.23	46.44 1.64 -22.40	42.74 2.14 -13.86	44.13 2.55 -9.03	44.89 3.48 0.00	44.96 3.01 -7.25	45.11 3.68 -0.66	44.91 3.35 -5.29	45.26 3.78 0.00	41.04 2.00 -17.98	44.73 0.32 -41.18	49.12 0.31 -45.50	65.25 -0.09 -66.32	50.39 0.51 -45.00	48.00 1.76 -28.31	46.87 1.77 -27.00	42.12 0.27 -39.05	43.02 -0.12 -44.32	48.82 0.47 -43.13



PLEASANTVLY___LBMP 24000	50.78 1.42 -28.39	46.33 2.39 -5.21	46.42 1.85 -14.25	44.64 1.63 -16.01	45.77 1.72 -14.15	46.84 1.49 -19.88	46.93 1.37 -23.16	42.80 1.73 -14.33	44.01 2.13 -9.33	44.19 2.79 0.00	44.68 2.49 -7.50	44.44 2.99 -0.68	44.44 2.69 -5.47	44.53 3.05 0.00	41.26 1.61 -18.58	46.06 0.26 -42.57	50.61 0.26 -47.04	67.51 -0.08 -68.57	51.81 0.41 -46.53	48.64 1.44 -29.27	47.46 1.44 -27.91	43.39 0.22 -40.37	44.54 -0.09 -45.82	50.21 0.39 -44.59
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	50.23 1.63 -27.63	46.55 2.75 -5.07	46.32 2.13 -13.87	44.46 1.87 -15.58	45.62 1.95 -13.77	46.52 1.70 -19.35	46.51 1.57 -22.54	42.68 2.00 -13.94	44.08 2.45 -9.08	44.68 3.27 0.00	44.89 2.90 -7.30	44.92 3.48 -0.67	44.74 3.14 -5.32	45.03 3.55 0.00	41.03 1.88 -18.09	44.96 0.30 -41.43	49.38 0.30 -45.78	65.66 -0.09 -66.73	50.63 0.48 -45.28	48.09 1.67 -28.48	46.94 1.68 -27.17	42.35 0.26 -39.29	43.29 -0.11 -44.59	49.07 0.46 -43.39
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	50.72 1.53 -28.21	46.49 2.58 -5.18	46.48 2.00 -14.16	44.68 1.76 -15.91	45.83 1.87 -14.07	46.85 1.62 -19.76	46.91 1.49 -23.02	42.85 1.87 -14.24	44.15 2.33 -9.28	44.43 3.03 0.00	44.84 2.69 -7.45	44.68 3.23 -0.68	44.62 2.91 -5.44	44.78 3.30 0.00	41.27 1.73 -18.47	45.82 0.28 -42.31	50.34 0.28 -46.75	67.08 -0.08 -68.15	51.56 0.44 -46.24	48.59 1.57 -29.09	47.41 1.57 -27.74	43.16 0.24 -40.13	44.25 -0.10 -45.54	49.96 0.42 -44.31
POLETTI____ 23519	50.18 1.75 -27.46	46.75 2.98 -5.04	46.43 2.33 -13.78	44.52 2.02 -15.48	45.70 2.11 -13.69	46.55 1.85 -19.23	46.51 1.71 -22.40	42.80 2.20 -13.86	44.25 2.67 -9.03	44.98 3.58 0.00	45.07 3.12 -7.25	45.22 3.79 -0.66	45.00 3.44 -5.29	45.35 3.87 0.00	41.09 2.05 -17.98	44.74 0.32 -41.18	49.13 0.32 -45.50	65.24 -0.09 -66.32	50.39 0.52 -45.00	48.05 1.82 -28.31	46.92 1.82 -27.00	42.13 0.28 -39.05	43.01 -0.12 -44.32	48.84 0.49 -43.13
PORT_JEFF_3 23555	50.76 2.26 -27.52	47.39 3.62 -5.06	47.06 2.92 -13.81	44.95 2.42 -15.52	46.18 2.56 -13.72	46.92 2.17 -19.28	46.90 2.04 -22.45	43.13 2.50 -13.89	44.66 3.06 -9.05	45.76 4.35 0.00	45.90 3.93 -7.27	45.85 4.41 -0.66	45.34 3.76 -5.30	45.93 4.44 0.00	41.43 2.34 -18.02	44.87 0.36 -41.28	49.26 0.35 -45.61	65.39 -0.10 -66.48	50.57 0.59 -45.11	48.30 2.00 -28.37	47.25 2.08 -27.06	42.27 0.33 -39.14	43.10 -0.14 -44.42	49.02 0.57 -43.23
PORT_JEFF_4 23616	50.76 2.26 -27.52	47.39 3.62 -5.06	47.06 2.92 -13.81	44.95 2.42 -15.52	46.18 2.56 -13.72	46.92 2.17 -19.28	46.90 2.04 -22.45	43.13 2.50 -13.89	44.66 3.06 -9.05	45.76 4.35 0.00	45.90 3.93 -7.27	45.85 4.41 -0.66	45.34 3.76 -5.30	45.93 4.44 0.00	41.43 2.34 -18.02	44.87 0.36 -41.28	49.26 0.35 -45.61	65.39 -0.10 -66.48	50.57 0.59 -45.11	48.30 2.00 -28.37	47.25 2.08 -27.06	42.27 0.33 -39.14	43.10 -0.14 -44.42	49.02 0.57 -43.23
PORT_JEFF_IC 23713	50.79 2.29 -27.52	47.44 3.66 -5.06	47.10 2.96 -13.81	44.98 2.45 -15.52	46.21 2.59 -13.72	46.94 2.20 -19.28	46.92 2.07 -22.45	43.17 2.54 -13.89	44.72 3.12 -9.05	45.83 4.43 0.00	45.94 3.98 -7.27	45.90 4.47 -0.66	45.41 3.83 -5.30	45.99 4.51 0.00	41.47 2.38 -18.02	44.87 0.36 -41.28	49.27 0.36 -45.61	65.39 -0.10 -66.48	50.59 0.61 -45.11	48.36 2.06 -28.37	47.30 2.13 -27.06	42.28 0.34 -39.14	43.10 -0.14 -44.42	49.03 0.58 -43.23
PPL PILGRIM_ST_GT1 24216	50.84 2.34 -27.52	47.54 3.76 -5.06	47.18 3.04 -13.81	45.05 2.52 -15.52	46.31 2.69 -13.72	47.01 2.27 -19.28	47.00 2.14 -22.45	43.29 2.66 -13.89	44.88 3.28 -9.05	45.98 4.58 0.00	46.04 4.08 -7.27	46.01 4.58 -0.66	45.48 3.91 -5.30	46.08 4.59 0.00	41.51 2.42 -18.02	44.89 0.38 -41.28	49.29 0.38 -45.61	65.38 -0.11 -66.48	50.61 0.63 -45.11	48.45 2.15 -28.37	47.38 2.22 -27.06	42.29 0.35 -39.14	43.09 -0.15 -44.42	49.06 0.61 -43.23
PPL PILGRIM_ST_GT2 24217	50.84 2.34 -27.52	47.54 3.76 -5.06	47.18 3.04 -13.81	45.05 2.52 -15.52	46.31 2.69 -13.72	47.01 2.27 -19.28	47.00 2.14 -22.45	43.29 2.66 -13.89	44.88 3.28 -9.05	45.98 4.58 0.00	46.04 4.08 -7.27	46.01 4.58 -0.66	45.48 3.91 -5.30	46.08 4.59 0.00	41.51 2.42 -18.02	44.89 0.38 -41.28	49.29 0.38 -45.61	65.38 -0.11 -66.48	50.61 0.63 -45.11	48.45 2.15 -28.37	47.38 2.22 -27.06	42.29 0.35 -39.14	43.09 -0.15 -44.42	49.06 0.61 -43.23
PPL_SHRM_GT3 24213	50.88 2.39 -27.52	47.60 3.82 -5.06	47.21 3.07 -13.81	45.08 2.56 -15.52	46.32 2.71 -13.72	47.04 2.29 -19.28	47.02 2.17 -22.45	43.29 2.66 -13.89	44.90 3.30 -9.05	46.04 4.63 0.00	46.03 4.07 -7.27	46.00 4.56 -0.66	45.48 3.91 -5.30	46.06 4.57 0.00	41.53 2.44 -18.02	44.89 0.38 -41.28	49.29 0.37 -45.61	65.38 -0.11 -66.48	50.63 0.64 -45.11	48.51 2.20 -28.37	47.43 2.27 -27.06	42.30 0.36 -39.14	43.09 -0.15 -44.42	49.07 0.62 -43.23
PPL_SHRM_GT4 24214	50.88 2.39 -27.52	47.60 3.82 -5.06	47.21 3.07 -13.81	45.08 2.56 -15.52	46.32 2.71 -13.72	47.04 2.29 -19.28	47.02 2.17 -22.45	43.29 2.66 -13.89	44.90 3.30 -9.05	46.04 4.63 0.00	46.03 4.07 -7.27	46.00 4.56 -0.66	45.48 3.91 -5.30	46.06 4.57 0.00	41.53 2.44 -18.02	44.89 0.38 -41.28	49.29 0.37 -45.61	65.38 -0.11 -66.48	50.63 0.64 -45.11	48.51 2.20 -28.37	47.43 2.27 -27.06	42.30 0.36 -39.14	43.09 -0.15 -44.42	49.07 0.62 -43.23
PROJECT___ORANGE 1 24174	23.35 -0.07 -2.45	38.95 -0.22 -0.45	31.37 -0.18 -1.23	28.21 -0.17 -1.38	30.92 -0.19 -1.22	27.05 -0.13 -1.72	24.29 -0.10 -2.00	27.86 -0.12 -1.23	33.24 -0.12 -0.80	41.34 -0.06 0.00	35.36 0.02 -0.65	40.93 0.11 -0.06	36.88 0.13 -0.47	41.56 0.08 0.00	22.69 0.02 -1.60	6.92 0.02 -3.67	7.38 0.01 -4.05	4.92 0.00 -5.91	8.90 0.01 -4.01	20.52 0.07 -2.52	20.55 0.05 -2.41	6.28 0.00 -3.48	2.76 0.00 -3.95	9.07 0.01 -3.84
PROJECT___ORANGE 2 24166	23.35 -0.07 -2.45	38.95 -0.22 -0.45	31.37 -0.18 -1.23	28.21 -0.17 -1.38	30.92 -0.19 -1.22	27.05 -0.13 -1.72	24.29 -0.10 -2.00	27.86 -0.12 -1.23	33.24 -0.12 -0.80	41.34 -0.06 0.00	35.36 0.02 -0.65	40.93 0.11 -0.06	36.88 0.13 -0.47	41.56 0.08 0.00	22.69 0.02 -1.60	6.92 0.02 -3.67	7.38 0.01 -4.05	4.92 0.00 -5.91	8.90 0.01 -4.01	20.52 0.07 -2.52	20.55 0.05 -2.41	6.28 0.00 -3.48	2.76 0.00 -3.95	9.07 0.01 -3.84
PYRITES___HYD 24023	20.40 -0.58 0.00	37.82 -0.90 0.00	29.63 -0.70 0.00	26.39 -0.62 0.00	29.21 -0.69 0.00	24.91 -0.56 0.00	21.95 -0.45 0.00	26.23 -0.52 0.00	31.86 -0.70 0.00	40.57 -0.83 0.00	33.89 -0.80 0.00	39.72 -1.06 0.00	35.25 -1.03 0.00	40.32 -1.17 0.00	20.45 -0.61 0.00	3.11 -0.12 0.00	0.45 -0.12 0.00	-0.95 0.03 0.00	4.69 -0.18 0.00	17.24 -0.69 0.00	17.42 -0.69 0.00	2.71 -0.09 0.00	-1.13 0.05 0.00	4.85 -0.18 0.20
RAMAPO___LBMP 323565	47.81 1.39 -25.44	45.69 2.30 -4.67	44.90 1.80 -12.77	42.95 1.59 -14.35	44.23 1.65 -12.69	44.76 1.47 -17.82	44.55 1.39 -20.76	41.31 1.73 -12.84	43.02 2.10 -8.36	44.18 2.78 0.00	43.93 2.51 -6.72	44.43 3.05 -0.61	43.93 2.75 -4.90	44.60 3.12 0.00	39.35 1.62 -16.66	41.66 0.26 -38.16	45.73 0.26 -42.16	60.39 -0.08 -61.46	46.99 0.41 -41.70	45.61 1.45 -26.23	44.58 1.45 -25.02	39.21 0.22 -36.19	39.79 -0.10 -41.07	45.59 0.40 -39.96



RANKINE____ 23646	25.17 -0.28 -4.47	38.61 -0.93 -0.82	31.92 -0.65 -2.25	28.92 -0.61 -2.52	31.47 -0.65 -2.23	28.21 -0.39 -3.13	25.62 -0.43 -3.65	28.19 -0.81 -2.26	32.94 -1.08 -1.47	40.32 -1.08 0.00	35.19 -0.69 -1.18	40.46 -0.41 -0.11	36.95 -0.19 -0.86	40.76 -0.73 -0.01	23.42 -0.57 -2.93	9.94 0.00 -6.71	10.68 -0.04 -7.41	9.84 0.02 -10.80	12.10 -0.11 -7.34	22.39 -0.15 -4.61	22.33 -0.17 -4.40	9.11 -0.06 -6.36	6.03 -0.01 -7.21	12.25 0.01 -7.02
RAVENSWOOD_GT2_1 24244	50.18 1.73 -27.48	46.73 2.96 -5.05	46.42 2.30 -13.79	44.51 2.01 -15.49	45.69 2.10 -13.70	46.55 1.84 -19.25	46.51 1.70 -22.42	42.79 2.18 -13.87	44.23 2.65 -9.03	44.95 3.55 0.00	45.07 3.11 -7.26	45.19 3.76 -0.66	44.98 3.41 -5.29	45.32 3.83 0.00	41.09 2.03 -17.99	44.76 0.32 -41.21	49.16 0.32 -45.53	65.30 -0.10 -66.37	50.42 0.51 -45.04	48.06 1.80 -28.33	46.93 1.80 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.87 0.49 -43.16
RAVENSWOOD_GT2_2 24245	50.18 1.73 -27.48	46.73 2.96 -5.05	46.42 2.30 -13.79	44.51 2.01 -15.49	45.69 2.10 -13.70	46.55 1.84 -19.25	46.51 1.70 -22.42	42.79 2.18 -13.87	44.23 2.65 -9.03	44.95 3.55 0.00	45.07 3.11 -7.26	45.19 3.76 -0.66	44.98 3.41 -5.29	45.32 3.83 0.00	41.09 2.03 -17.99	44.76 0.32 -41.21	49.16 0.32 -45.53	65.30 -0.10 -66.37	50.42 0.51 -45.04	48.06 1.80 -28.33	46.93 1.80 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.87 0.49 -43.16
RAVENSWOOD_GT2_3 24246	50.21 1.75 -27.48	46.75 2.98 -5.05	46.43 2.31 -13.79	44.53 2.02 -15.49	45.70 2.11 -13.70	46.56 1.84 -19.25	46.52 1.70 -22.42	42.80 2.19 -13.87	44.24 2.66 -9.03	44.97 3.57 0.00	45.08 3.13 -7.26	45.21 3.78 -0.66	44.99 3.43 -5.29	45.35 3.87 0.00	41.10 2.04 -17.99	44.77 0.32 -41.21	49.16 0.32 -45.53	65.29 -0.09 -66.37	50.43 0.51 -45.04	48.07 1.81 -28.33	46.94 1.81 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.49 -43.16
RAVENSWOOD_GT2_4 24247	50.21 1.75 -27.48	46.75 2.98 -5.05	46.43 2.31 -13.79	44.53 2.02 -15.49	45.70 2.11 -13.70	46.56 1.84 -19.25	46.52 1.70 -22.42	42.80 2.19 -13.87	44.24 2.66 -9.03	44.97 3.57 0.00	45.08 3.13 -7.26	45.21 3.78 -0.66	44.99 3.43 -5.29	45.35 3.87 0.00	41.10 2.04 -17.99	44.77 0.32 -41.21	49.16 0.32 -45.53	65.29 -0.09 -66.37	50.43 0.51 -45.04	48.07 1.81 -28.33	46.94 1.81 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.49 -43.16
RAVENSWOOD_GT3_1 24248	50.18 1.73 -27.48	46.73 2.96 -5.05	46.42 2.30 -13.79	44.51 2.01 -15.49	45.69 2.10 -13.70	46.55 1.84 -19.25	46.51 1.70 -22.42	42.79 2.18 -13.87	44.23 2.65 -9.03	44.95 3.55 0.00	45.07 3.11 -7.26	45.19 3.76 -0.66	44.98 3.41 -5.29	45.32 3.83 0.00	41.09 2.03 -17.99	44.76 0.32 -41.21	49.16 0.32 -45.53	65.30 -0.10 -66.37	50.43 0.51 -45.04	48.06 1.80 -28.33	46.93 1.80 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.87 0.49 -43.16
RAVENSWOOD_GT3_2 24249	50.18 1.73 -27.48	46.73 2.96 -5.05	46.42 2.30 -13.79	44.51 2.01 -15.49	45.69 2.10 -13.70	46.55 1.84 -19.25	46.51 1.70 -22.42	42.79 2.18 -13.87	44.23 2.65 -9.03	44.95 3.55 0.00	45.07 3.11 -7.26	45.19 3.76 -0.66	44.98 3.41 -5.29	45.32 3.83 0.00	41.09 2.03 -17.99	44.76 0.32 -41.21	49.16 0.32 -45.53	65.30 -0.10 -66.37	50.43 0.51 -45.04	48.06 1.80 -28.33	46.93 1.80 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.87 0.49 -43.16
RAVENSWOOD_GT3_3 24250	50.23 1.77 -27.48	46.78 3.02 -5.05	46.46 2.34 -13.79	44.55 2.04 -15.49	45.72 2.13 -13.70	46.58 1.86 -19.25	46.54 1.73 -22.42	42.82 2.21 -13.87	44.27 2.69 -9.03	45.01 3.61 0.00	45.12 3.17 -7.26	45.26 3.83 -0.66	45.04 3.47 -5.29	45.40 3.91 0.00	41.12 2.07 -17.99	44.77 0.33 -41.21	49.17 0.32 -45.53	65.29 -0.10 -66.37	50.43 0.52 -45.04	48.09 1.83 -28.33	46.95 1.83 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.50 -43.16
RAVENSWOOD_GT3_4 24251	50.23 1.77 -27.48	46.78 3.02 -5.05	46.46 2.34 -13.79	44.55 2.04 -15.49	45.72 2.13 -13.70	46.58 1.86 -19.25	46.54 1.73 -22.42	42.82 2.21 -13.87	44.27 2.69 -9.03	45.01 3.61 0.00	45.12 3.17 -7.26	45.26 3.83 -0.66	45.04 3.47 -5.29	45.40 3.91 0.00	41.12 2.07 -17.99	44.77 0.33 -41.21	49.17 0.32 -45.53	65.29 -0.10 -66.37	50.43 0.52 -45.04	48.09 1.83 -28.33	46.95 1.83 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.50 -43.16
RAVENSWOOD_GT_1 23729	50.19 1.73 -27.48	46.73 2.96 -5.05	46.42 2.30 -13.79	44.52 2.02 -15.49	45.68 2.09 -13.70	46.55 1.83 -19.25	46.55 1.73 -22.42	42.83 2.22 -13.87	44.28 2.69 -9.03	45.02 3.62 0.00	45.13 3.18 -7.26	45.26 3.83 -0.66	45.04 3.47 -5.29	45.37 3.89 0.00	41.12 2.07 -17.99	44.77 0.32 -41.21	49.17 0.32 -45.53	65.29 -0.09 -66.37	50.43 0.52 -45.04	48.08 1.81 -28.33	46.95 1.83 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.89 0.51 -43.16
RAVENSWOOD_GT_10 24258	50.19 1.74 -27.48	46.73 2.96 -5.05	46.42 2.31 -13.79	44.51 2.01 -15.49	45.69 2.10 -13.70	46.55 1.84 -19.25	46.51 1.70 -22.42	42.79 2.18 -13.87	44.23 2.65 -9.03	44.95 3.55 0.00	45.07 3.11 -7.26	45.19 3.75 -0.66	44.98 3.41 -5.29	45.32 3.83 0.00	41.09 2.03 -17.99	44.76 0.32 -41.21	49.16 0.32 -45.53	65.30 -0.10 -66.37	50.42 0.51 -45.04	48.06 1.80 -28.33	46.93 1.80 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.87 0.49 -43.16
RAVENSWOOD_GT_11 24259	50.19 1.74 -27.48	46.73 2.96 -5.05	46.42 2.31 -13.79	44.51 2.01 -15.49	45.69 2.10 -13.70	46.55 1.84 -19.25	46.51 1.70 -22.42	42.79 2.18 -13.87	44.23 2.65 -9.03	44.95 3.55 0.00	45.07 3.11 -7.26	45.19 3.75 -0.66	44.98 3.41 -5.29	45.32 3.83 0.00	41.09 2.03 -17.99	44.76 0.32 -41.21	49.16 0.32 -45.53	65.30 -0.10 -66.37	50.42 0.51 -45.04	48.06 1.80 -28.33	46.93 1.80 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.87 0.49 -43.16
RAVENSWOOD_GT_4 24252	50.20 1.74 -27.48	46.73 2.96 -5.05	46.42 2.31 -13.79	44.52 2.01 -15.49	45.69 2.10 -13.70	46.55 1.84 -19.25	46.51 1.69 -22.42	42.78 2.17 -13.87	44.23 2.64 -9.03	44.94 3.54 0.00	45.06 3.10 -7.26	45.18 3.75 -0.66	44.97 3.40 -5.29	45.31 3.83 0.00	41.08 2.02 -17.99	44.76 0.32 -41.21	49.16 0.32 -45.53	65.30 -0.10 -66.37	50.42 0.51 -45.04	48.06 1.79 -28.33	46.92 1.80 -27.02	42.15 0.28 -39.08	43.05 -0.12 -44.35	48.87 0.49 -43.16
RAVENSWOOD_GT_5 24254	50.20 1.74 -27.48	46.73 2.96 -5.05	46.42 2.31 -13.79	44.52 2.01 -15.49	45.69 2.10 -13.70	46.55 1.84 -19.25	46.51 1.69 -22.42	42.78 2.17 -13.87	44.23 2.64 -9.03	44.94 3.54 0.00	45.06 3.10 -7.26	45.18 3.75 -0.66	44.97 3.40 -5.29	45.31 3.83 0.00	41.08 2.02 -17.99	44.76 0.32 -41.21	49.16 0.32 -45.53	65.30 -0.10 -66.37	50.42 0.51 -45.04	48.06 1.79 -28.33	46.92 1.80 -27.02	42.15 0.28 -39.08	43.05 -0.12 -44.35	48.87 0.49 -43.16
RAVENSWOOD_GT_6 24253	50.20 1.74 -27.48	46.73 2.96 -5.05	46.42 2.31 -13.79	44.52 2.01 -15.49	45.69 2.10 -13.70	46.55 1.84 -19.25	46.51 1.69 -22.42	42.78 2.17 -13.87	44.23 2.64 -9.03	44.94 3.54 0.00	45.06 3.10 -7.26	45.18 3.75 -0.66	44.97 3.40 -5.29	45.31 3.83 0.00	41.08 2.02 -17.99	44.76 0.32 -41.21	49.16 0.32 -45.53	65.30 -0.10 -66.37	50.42 0.51 -45.04	48.06 1.79 -28.33	46.92 1.80 -27.02	42.15 0.28 -39.08	43.05 -0.12 -44.35	48.87 0.49 -43.16



RAVENSWOOD_GT_7 24255	50.20 1.74 -27.48	46.73 2.96 -5.05	46.42 2.31 -13.79	44.52 2.01 -15.49	45.69 2.10 -13.70	46.55 1.84 -19.25	46.51 1.69 -22.42	42.78 2.17 -13.87	44.23 2.64 -9.03	44.94 3.54 0.00	45.06 3.10 -7.26	45.18 3.75 -0.66	44.97 3.40 -5.29	45.31 3.83 0.00	41.08 2.02 -17.99	44.76 0.32 -41.21	49.16 0.32 -45.53	65.30 -0.10 -66.37	50.42 0.51 -45.04	48.06 1.79 -28.33	46.92 1.80 -27.02	42.15 0.28 -39.08	43.05 -0.12 -44.35	48.87 0.49 -43.16
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	50.19 1.74 -27.48	46.73 2.96 -5.05	46.42 2.31 -13.79	44.51 2.01 -15.49	45.69 2.10 -13.70	46.55 1.84 -19.25	46.51 1.70 -22.42	42.79 2.18 -13.87	44.23 2.65 -9.03	44.95 3.55 0.00	45.07 3.11 -7.26	45.19 3.75 -0.66	44.98 3.41 -5.29	45.32 3.83 0.00	41.09 2.03 -17.99	44.76 0.32 -41.21	49.16 0.32 -45.53	65.30 -0.10 -66.37	50.42 0.51 -45.04	48.06 1.80 -28.33	46.93 1.80 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.87 0.49 -43.16
RAVENSWOOD_GT_9 24257	50.19 1.74 -27.48	46.73 2.96 -5.05	46.42 2.31 -13.79	44.51 2.01 -15.49	45.69 2.10 -13.70	46.55 1.84 -19.25	46.51 1.70 -22.42	42.79 2.18 -13.87	44.23 2.65 -9.03	44.95 3.55 0.00	45.07 3.11 -7.26	45.19 3.75 -0.66	44.98 3.41 -5.29	45.32 3.83 0.00	41.09 2.03 -17.99	44.76 0.32 -41.21	49.16 0.32 -45.53	65.30 -0.10 -66.37	50.42 0.51 -45.04	48.06 1.80 -28.33	46.93 1.80 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.87 0.49 -43.16
RAVENSWOOD___1 23533	50.19 1.73 -27.48	46.73 2.96 -5.05	46.42 2.30 -13.79	44.52 2.02 -15.49	45.68 2.09 -13.70	46.55 1.83 -19.25	46.55 1.73 -22.42	42.83 2.22 -13.87	44.28 2.69 -9.03	45.02 3.62 0.00	45.13 3.18 -7.26	45.26 3.83 -0.66	45.04 3.47 -5.29	45.37 3.89 0.00	41.12 2.07 -17.99	44.77 0.32 -41.21	49.17 0.32 -45.53	65.29 -0.09 -66.37	50.43 0.52 -45.04	48.08 1.81 -28.33	46.95 1.83 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.49 -43.16
RAVENSWOOD___2 23534	50.19 1.73 -27.48	46.73 2.96 -5.05	46.42 2.30 -13.79	44.52 2.02 -15.49	45.68 2.09 -13.70	46.55 1.83 -19.25	46.55 1.73 -22.42	42.83 2.22 -13.87	44.28 2.69 -9.03	45.02 3.62 0.00	45.13 3.18 -7.26	45.26 3.83 -0.66	45.04 3.47 -5.29	45.37 3.89 0.00	41.12 2.07 -17.99	44.77 0.32 -41.21	49.17 0.32 -45.53	65.29 -0.09 -66.37	50.43 0.52 -45.04	48.08 1.81 -28.33	46.95 1.83 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.49 -43.16
RAVENSWOOD___3 23535	50.19 1.74 -27.48	46.73 2.96 -5.05	46.42 2.31 -13.79	44.52 2.01 -15.49	45.69 2.10 -13.70	46.55 1.84 -19.25	46.51 1.70 -22.42	42.79 2.18 -13.87	44.24 2.65 -9.03	44.95 3.55 0.00	45.07 3.11 -7.26	45.20 3.76 -0.66	44.98 3.41 -5.29	45.32 3.83 0.00	41.09 2.03 -17.99	44.76 0.32 -41.21	49.16 0.32 -45.53	65.30 -0.10 -66.37	50.43 0.51 -45.04	48.06 1.80 -28.33	46.93 1.80 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.87 0.49 -43.16
RAVENSWOOD___4 23820	50.19 1.73 -27.48	46.73 2.96 -5.05	46.42 2.30 -13.79	44.52 2.02 -15.49	45.68 2.09 -13.70	46.55 1.83 -19.25	46.55 1.73 -22.42	42.83 2.22 -13.87	44.28 2.69 -9.03	45.02 3.62 0.00	45.13 3.18 -7.26	45.26 3.83 -0.66	45.04 3.47 -5.29	45.37 3.89 0.00	41.12 2.07 -17.99	44.77 0.32 -41.21	49.17 0.32 -45.53	65.29 -0.09 -66.37	50.43 0.52 -45.04	48.08 1.81 -28.33	46.95 1.83 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.49 -43.16
RCPL_TRUST___DRP 24196	50.18 1.76 -27.44	46.74 2.98 -5.04	46.41 2.31 -13.78	44.51 2.02 -15.47	45.69 2.11 -13.68	46.54 1.84 -19.22	46.49 1.70 -22.39	42.78 2.19 -13.85	44.22 2.65 -9.02	44.97 3.57 0.00	45.07 3.12 -7.25	45.22 3.78 -0.66	44.99 3.43 -5.29	45.34 3.86 0.00	41.08 2.04 -17.96	44.71 0.32 -41.16	49.10 0.32 -45.47	65.20 -0.09 -66.28	50.37 0.51 -44.98	48.04 1.81 -28.29	46.90 1.81 -26.98	42.11 0.28 -39.03	42.99 -0.12 -44.29	48.82 0.49 -43.10
RED___ROCHESTER 323720	23.99 -0.17 -3.18	38.71 -0.59 -0.58	31.48 -0.44 -1.60	28.39 -0.41 -1.79	31.07 -0.41 -1.59	27.45 -0.25 -2.23	24.76 -0.24 -2.60	27.96 -0.39 -1.61	33.12 -0.47 -1.05	41.05 -0.35 0.00	35.37 -0.16 -0.84	40.87 0.02 -0.08	36.97 0.09 -0.61	41.33 -0.15 0.00	23.01 -0.14 -2.08	8.03 0.03 -4.77	8.60 0.02 -5.27	6.70 -0.01 -7.68	10.09 0.00 -5.21	21.32 0.11 -3.28	21.31 0.08 -3.13	7.32 0.00 -4.52	3.95 -0.01 -5.14	10.23 0.01 -5.00
RENSSELAER___COGEN 23796	58.45 0.96 -36.52	47.19 1.76 -6.71	50.04 1.38 -18.33	48.84 1.24 -20.59	49.49 1.39 -18.21	52.16 1.11 -25.58	53.14 0.95 -29.79	46.22 1.05 -18.43	45.86 1.30 -12.01	42.97 1.56 0.00	45.73 1.39 -9.65	43.29 1.64 -0.88	44.83 1.52 -7.04	43.28 1.79 0.00	45.92 0.94 -23.91	58.15 0.14 -54.77	63.97 0.14 -60.51	87.18 -0.05 -88.21	64.95 0.22 -59.86	56.41 0.83 -37.65	54.84 0.83 -35.91	54.87 0.13 -51.94	57.70 -0.06 -58.94	62.84 0.26 -57.36
REVERE_CPPR_DRP 24186	22.29 0.48 -0.83	39.77 0.89 -0.15	31.46 0.72 -0.42	28.11 0.64 -0.47	31.01 0.70 -0.42	26.68 0.62 -0.58	23.66 0.58 -0.68	27.92 0.75 -0.42	33.80 0.98 -0.27	42.74 1.34 0.00	36.08 1.16 -0.22	42.17 1.38 -0.02	37.68 1.25 -0.16	42.85 1.37 0.00	22.29 0.67 -0.55	4.60 0.12 -1.25	4.70 0.12 -1.28	1.00 -0.03 -2.01	6.38 0.14 -1.37	19.32 0.53 -0.86	19.43 0.51 -0.82	4.06 0.07 -1.18	0.13 -0.03 -1.35	6.64 0.12 -1.30
RIVERBAY___ 323610	50.58 2.13 -27.48	47.57 3.80 -5.05	47.11 3.00 -13.79	45.14 2.64 -15.49	46.46 2.87 -13.70	47.12 2.40 -19.25	47.04 2.22 -22.42	43.42 2.81 -13.87	44.98 3.39 -9.03	45.92 4.52 0.00	45.85 3.90 -7.26	46.03 4.59 -0.66	45.69 4.12 -5.29	46.15 4.67 0.00	41.50 2.45 -17.99	44.83 0.38 -41.21	49.23 0.39 -45.53	65.28 -0.11 -66.37	50.53 0.62 -45.04	48.36 2.09 -28.33	47.24 2.12 -27.02	42.21 0.33 -39.08	43.03 -0.14 -44.35	48.98 0.59 -43.16
ROARING___BROOK_WT_PWR 323790	18.98 -0.13 1.87	38.19 -0.19 0.34	29.23 -0.15 0.94	25.82 -0.13 1.06	28.81 -0.15 0.93	24.01 -0.15 1.31	20.67 -0.21 1.53	25.49 -0.30 0.94	31.57 -0.36 0.62	40.86 -0.54 0.00	33.56 -0.65 0.49	39.62 -1.10 0.04	34.90 -1.02 0.36	40.48 -1.01 0.00	19.33 -0.51 1.23	0.33 -0.10 2.80	1.60 -0.11 1.59	-5.48 0.02 4.51	1.64 -0.17 3.06	15.32 -0.69 1.93	15.57 -0.70 1.84	0.03 -0.11 2.66	-4.15 0.05 3.02	2.21 -0.19 2.83
ROCHESTER_9_IC 23652	23.89 -0.26 -3.18	38.56 -0.75 -0.58	31.36 -0.56 -1.60	28.28 -0.52 -1.79	30.95 -0.53 -1.59	27.35 -0.34 -2.23	24.68 -0.32 -2.60	27.85 -0.50 -1.61	32.99 -0.61 -1.05	40.86 -0.54 0.00	35.20 -0.33 -0.84	40.65 -0.19 -0.08	36.79 -0.09 -0.61	41.13 -0.36 0.00	22.91 -0.24 -2.08	8.02 0.01 -4.77	8.58 0.00 -5.27	6.70 0.00 -7.68	10.06 -0.02 -5.21	21.23 0.02 -3.28	21.21 -0.02 -3.13	7.30 -0.02 -4.52	3.95 0.00 -5.14	10.20 -0.02 -5.00
ROSETON___1 23587	49.51 1.36 -27.17	46.01 2.30 -4.99	45.75 1.78 -13.64	43.90 1.57 -15.32	45.10 1.66 -13.55	45.94 1.44 -19.03	45.89 1.32 -22.17	42.13 1.67 -13.72	43.53 2.05 -8.93	44.10 2.69 0.00	44.29 2.41 -7.18	44.33 2.91 -0.66	44.13 2.62 -5.24	44.45 2.96 0.00	40.42 1.56 -17.79	44.24 0.25 -40.76	48.59 0.25 -45.03	64.58 -0.07 -65.64	49.80 0.39 -44.54	47.34 1.39 -28.02	46.22 1.40 -26.72	41.66 0.22 -38.65	42.59 -0.09 -43.86	48.29 0.38 -42.68



ROSETON___2 23588	49.51 1.36 -27.17	46.01 2.30 -4.99	45.75 1.78 -13.64	43.90 1.57 -15.32	45.10 1.66 -13.55	45.94 1.44 -19.03	45.89 1.32 -22.17	42.13 1.67 -13.72	43.53 2.05 -8.93	44.10 2.69 0.00	44.29 2.41 -7.18	44.33 2.91 -0.66	44.13 2.62 -5.24	44.45 2.96 0.00	40.42 1.56 -17.79	44.24 0.25 -40.76	48.59 0.25 -45.03	64.58 -0.07 -65.64	49.80 0.39 -44.54	47.34 1.39 -28.02	46.22 1.40 -26.72	41.66 0.22 -38.65	42.59 -0.09 -43.86	48.29 0.38 -42.68
RUSSELL___1 23602	23.99 -0.17 -3.18	38.71 -0.59 -0.58	31.48 -0.44 -1.60	28.39 -0.41 -1.79	31.07 -0.41 -1.59	27.45 -0.25 -2.23	24.76 -0.24 -2.60	27.96 -0.39 -1.61	33.12 -0.47 -1.05	41.05 -0.35 0.00	35.37 -0.16 -0.84	40.87 0.02 -0.08	36.97 0.09 -0.61	41.33 -0.15 0.00	23.01 -0.14 -2.08	8.03 0.03 -4.77	8.60 0.02 -5.27	6.70 -0.01 -7.68	10.09 0.00 -5.21	21.32 0.11 -3.28	21.31 0.08 -3.13	7.32 0.00 -4.52	3.95 -0.01 -5.14	10.23 0.01 -5.00
RUSSELL___2 23532	23.99 -0.17 -3.18	38.71 -0.59 -0.58	31.48 -0.44 -1.60	28.39 -0.41 -1.79	31.07 -0.41 -1.59	27.45 -0.25 -2.23	24.76 -0.24 -2.60	27.96 -0.39 -1.61	33.12 -0.47 -1.05	41.05 -0.35 0.00	35.37 -0.16 -0.84	40.87 0.02 -0.08	36.97 0.09 -0.61	41.33 -0.15 0.00	23.01 -0.14 -2.08	8.03 0.03 -4.77	8.60 0.02 -5.27	6.70 -0.01 -7.68	10.09 0.00 -5.21	21.32 0.11 -3.28	21.31 0.08 -3.13	7.32 0.00 -4.52	3.95 -0.01 -5.14	10.23 0.01 -5.00
RUSSELL___3 23549	23.99 -0.17 -3.18	38.71 -0.59 -0.58	31.48 -0.44 -1.60	28.39 -0.41 -1.79	31.07 -0.41 -1.59	27.45 -0.25 -2.23	24.76 -0.24 -2.60	27.96 -0.39 -1.61	33.12 -0.47 -1.05	41.05 -0.35 0.00	35.37 -0.16 -0.84	40.87 0.02 -0.08	36.97 0.09 -0.61	41.33 -0.15 0.00	23.01 -0.14 -2.08	8.03 0.03 -4.77	8.60 0.02 -5.27	6.70 -0.01 -7.68	10.09 0.00 -5.21	21.32 0.11 -3.28	21.31 0.08 -3.13	7.32 0.00 -4.52	3.95 -0.01 -5.14	10.23 0.01 -5.00
RUSSELL___4 23556	23.99 -0.17 -3.18	38.71 -0.59 -0.58	31.48 -0.44 -1.60	28.39 -0.41 -1.79	31.07 -0.41 -1.59	27.45 -0.25 -2.23	24.76 -0.24 -2.60	27.96 -0.39 -1.61	33.12 -0.47 -1.05	41.05 -0.35 0.00	35.37 -0.16 -0.84	40.87 0.02 -0.08	36.97 0.09 -0.61	41.33 -0.15 0.00	23.01 -0.14 -2.08	8.03 0.03 -4.77	8.60 0.02 -5.27	6.70 -0.01 -7.68	10.09 0.00 -5.21	21.32 0.11 -3.28	21.31 0.08 -3.13	7.32 0.00 -4.52	3.95 -0.01 -5.14	10.23 0.01 -5.00
RUSSELL___STATION 23914	23.99 -0.17 -3.18	38.71 -0.59 -0.58	31.48 -0.44 -1.60	28.39 -0.41 -1.79	31.07 -0.41 -1.59	27.45 -0.25 -2.23	24.76 -0.24 -2.60	27.96 -0.39 -1.61	33.12 -0.47 -1.05	41.05 -0.35 0.00	35.37 -0.16 -0.84	40.87 0.02 -0.08	36.97 0.09 -0.61	41.33 -0.15 0.00	23.01 -0.14 -2.08	8.03 0.03 -4.77	8.60 0.02 -5.27	6.70 -0.01 -7.68	10.09 0.00 -5.21	21.32 0.11 -3.28	21.31 0.08 -3.13	7.32 0.00 -4.52	3.95 -0.01 -5.14	10.23 0.01 -5.00
S SALMON___HYD 24043	22.46 -0.40 -1.88	38.28 -0.78 -0.35	30.66 -0.60 -0.94	27.53 -0.54 -1.06	30.23 -0.60 -0.94	26.28 -0.51 -1.32	23.47 -0.47 -1.54	27.15 -0.55 -0.95	32.56 -0.61 -0.62	40.71 -0.69 0.00	34.67 -0.52 -0.50	40.13 -0.69 -0.04	35.97 -0.67 -0.36	40.67 -0.81 0.00	21.86 -0.44 -1.23	6.00 -0.06 -2.82	6.12 -0.06 -2.88	3.58 0.02 -4.55	7.86 -0.10 -3.09	19.52 -0.35 -1.94	19.57 -0.38 -1.85	5.42 -0.06 -2.68	1.88 0.02 -3.04	8.06 -0.10 -2.94
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	24.65 -0.65 -4.33	37.89 -1.63 -0.79	31.32 -1.17 -2.17	28.39 -1.06 -2.44	30.93 -1.12 -2.16	27.70 -0.80 -3.03	25.14 -0.79 -3.53	27.66 -1.27 -2.18	32.32 -1.66 -1.42	39.59 -1.81 0.00	34.52 -1.32 -1.14	39.71 -1.16 -0.10	36.24 -0.87 -0.83	39.98 -1.51 -0.01	22.97 -0.93 -2.83	9.68 -0.05 -6.49	10.39 -0.08 -7.17	9.49 0.03 -10.45	11.79 -0.17 -7.09	21.98 -0.41 -4.46	21.92 -0.44 -4.25	8.86 -0.10 -6.15	5.80 0.01 -6.98	11.95 -0.06 -6.79
SELKIRK___I 23801	55.01 1.03 -33.00	46.67 1.89 -6.06	48.44 1.55 -16.56	47.02 1.40 -18.61	47.94 1.59 -16.45	49.88 1.30 -23.11	50.40 1.08 -26.92	44.59 1.19 -16.66	44.90 1.50 -10.85	43.20 1.80 0.00	44.93 1.52 -8.72	43.35 1.79 -0.79	44.33 1.70 -6.36	43.48 2.00 0.00	43.73 1.06 -21.60	52.89 0.16 -49.49	58.16 0.16 -54.69	78.68 -0.05 -79.71	59.20 0.24 -54.09	52.87 0.91 -34.03	51.47 0.91 -32.45	49.87 0.14 -46.93	52.02 -0.06 -53.26	57.33 0.27 -51.83
SELKIRK___II 23799	57.66 0.97 -35.71	47.03 1.75 -6.56	49.62 1.38 -17.93	48.38 1.23 -20.14	49.08 1.38 -17.81	51.60 1.12 -25.01	52.50 0.96 -29.13	45.87 1.10 -18.03	45.66 1.36 -11.74	43.07 1.67 0.00	45.61 1.48 -9.43	43.38 1.75 -0.86	44.76 1.60 -6.88	43.35 1.87 0.00	45.43 0.99 -23.38	56.95 0.15 -53.56	62.64 0.15 -59.18	85.23 -0.05 -86.26	63.64 0.23 -58.54	55.62 0.87 -36.82	54.09 0.87 -35.12	53.73 0.13 -50.79	56.40 -0.06 -57.64	61.58 0.27 -56.09
SENECA OSWGO___HYD 24041	22.94 -0.25 -2.22	38.58 -0.55 -0.41	31.01 -0.43 -1.11	27.86 -0.40 -1.25	30.56 -0.44 -1.11	26.67 -0.35 -1.55	23.91 -0.30 -1.81	27.51 -0.35 -1.12	32.88 -0.40 -0.73	41.01 -0.39 0.00	35.03 -0.25 -0.58	40.57 -0.25 -0.05	36.50 -0.21 -0.43	41.19 -0.29 0.00	22.35 -0.17 -1.45	6.54 -0.02 -3.33	6.96 -0.02 -3.67	4.38 0.01 -5.35	8.47 -0.03 -3.63	20.10 -0.11 -2.29	20.15 -0.13 -2.18	5.93 -0.03 -3.15	2.40 0.01 -3.58	8.66 -0.05 -3.48
SENECA___ENERGY 23797	24.41 -0.09 -3.53	39.05 -0.32 -0.65	31.81 -0.29 -1.77	28.74 -0.26 -1.99	31.38 -0.28 -1.76	27.75 -0.20 -2.47	25.11 -0.17 -2.88	28.36 -0.17 -1.78	33.55 -0.16 -1.16	41.32 -0.08 0.00	35.63 0.00 -0.93	41.02 0.17 -0.08	37.16 0.20 -0.68	41.59 0.10 0.00	23.34 -0.04 -2.31	8.55 0.02 -5.30	9.17 0.01 -5.85	7.55 0.00 -8.53	10.68 0.01 -5.79	21.68 0.10 -3.64	21.65 0.07 -3.47	7.82 0.00 -5.02	4.51 0.00 -5.70	10.79 0.02 -5.55
SHOEMAKER___GT 23640	46.49 1.15 -24.37	45.11 1.91 -4.47	44.04 1.49 -12.23	42.06 1.31 -13.74	43.42 1.38 -12.15	43.75 1.21 -17.07	43.40 1.12 -19.88	40.45 1.41 -12.30	42.29 1.73 -8.01	43.66 2.25 0.00	43.14 2.01 -6.44	43.84 2.48 -0.59	43.21 2.24 -4.69	44.00 2.52 0.00	38.33 1.31 -15.95	39.99 0.21 -36.55	43.90 0.21 -40.38	57.81 -0.06 -58.85	45.15 0.34 -39.94	44.25 1.20 -25.12	43.26 1.20 -23.96	37.64 0.18 -34.65	38.07 -0.08 -39.33	43.82 0.33 -38.27
SHOREHAM_IC_1 23715	50.88 2.39 -27.52	47.60 3.82 -5.06	47.21 3.07 -13.81	45.08 2.56 -15.52	46.32 2.71 -13.72	47.04 2.29 -19.28	47.02 2.17 -22.45	43.29 2.66 -13.89	44.90 3.30 -9.05	46.04 4.63 0.00	46.03 4.07 -7.27	46.00 4.56 -0.66	45.48 3.91 -5.30	46.06 4.57 0.00	41.53 2.44 -18.02	44.89 0.38 -41.28	49.29 0.37 -45.61	65.38 -0.11 -66.48	50.63 0.64 -45.11	48.51 2.20 -28.37	47.43 2.27 -27.06	42.30 0.36 -39.14	43.09 -0.15 -44.42	49.07 0.62 -43.23
SHOREHAM_IC_2 23716	50.88 2.39 -27.52	47.60 3.82 -5.06	47.21 3.07 -13.81	45.08 2.56 -15.52	46.32 2.71 -13.72	47.04 2.29 -19.28	47.02 2.17 -22.45	43.29 2.66 -13.89	44.90 3.30 -9.05	46.04 4.63 0.00	46.03 4.07 -7.27	46.00 4.56 -0.66	45.48 3.91 -5.30	46.06 4.57 0.00	41.53 2.44 -18.02	44.89 0.38 -41.28	49.29 0.37 -45.61	65.38 -0.11 -66.48	50.63 0.64 -45.11	48.51 2.20 -28.37	47.43 2.27 -27.06	42.30 0.36 -39.14	43.09 -0.15 -44.42	49.07 0.62 -43.23



SISSONVILLE____ 23735	20.06 -0.92 0.00	37.17 -1.55 0.00	29.12 -1.20 0.00	25.95 -1.06 0.00	28.71 -1.18 0.00	24.48 -0.99 0.00	21.56 -0.84 0.00	25.75 -0.99 0.00	31.29 -1.26 0.00	39.79 -1.61 0.00	33.23 -1.46 0.00	38.90 -1.87 0.00	34.54 -1.74 0.00	39.48 -2.00 0.00	20.02 -1.05 0.00	3.04 -0.19 0.00	0.45 -0.19 2.67	-0.93 0.05 0.00	4.60 -0.28 0.00	16.86 -1.07 0.00	17.04 -1.06 0.00	2.65 -0.15 0.00	-1.11 0.07 0.00	4.77 -0.26 0.19
SITHE_IND_GS1 24169	22.32 -0.47 -1.82	38.13 -0.93 -0.33	30.51 -0.73 -0.91	27.38 -0.65 -1.03	30.08 -0.72 -0.91	26.15 -0.59 -1.27	23.36 -0.52 -1.48	27.03 -0.63 -0.92	32.39 -0.75 -0.60	40.51 -0.89 0.00	34.47 -0.71 -0.48	40.03 -0.78 -0.04	35.94 -0.68 -0.35	40.66 -0.83 0.00	21.82 -0.44 -1.19	5.90 -0.06 -2.73	6.26 -0.06 -3.01	3.42 0.02 -4.39	7.76 -0.09 -2.98	19.47 -0.33 -1.87	19.54 -0.35 -1.79	5.32 -0.06 -2.58	1.78 0.02 -2.93	7.97 -0.10 -2.85
SITHE_IND_GS2 24170	22.32 -0.47 -1.82	38.13 -0.93 -0.33	30.51 -0.73 -0.91	27.38 -0.65 -1.03	30.08 -0.72 -0.91	26.15 -0.59 -1.27	23.36 -0.52 -1.48	27.03 -0.63 -0.92	32.39 -0.75 -0.60	40.51 -0.89 0.00	34.47 -0.71 -0.48	40.03 -0.78 -0.04	35.94 -0.68 -0.35	40.66 -0.83 0.00	21.82 -0.44 -1.19	5.90 -0.06 -2.73	6.26 -0.06 -3.01	3.42 0.02 -4.39	7.76 -0.09 -2.98	19.47 -0.33 -1.87	19.54 -0.35 -1.79	5.32 -0.06 -2.58	1.78 0.02 -2.93	7.97 -0.10 -2.85
SITHE_IND_GS3 24171	22.32 -0.47 -1.82	38.13 -0.93 -0.33	30.51 -0.73 -0.91	27.38 -0.65 -1.03	30.08 -0.72 -0.91	26.15 -0.59 -1.27	23.36 -0.52 -1.48	27.03 -0.63 -0.92	32.39 -0.75 -0.60	40.51 -0.89 0.00	34.47 -0.71 -0.48	40.03 -0.78 -0.04	35.94 -0.68 -0.35	40.66 -0.83 0.00	21.82 -0.44 -1.19	5.90 -0.06 -2.73	6.26 -0.06 -3.01	3.42 0.02 -4.39	7.76 -0.09 -2.98	19.47 -0.33 -1.87	19.54 -0.35 -1.79	5.32 -0.06 -2.58	1.78 0.02 -2.93	7.97 -0.10 -2.85
SITHE_IND_GS4 24172	22.32 -0.47 -1.82	38.13 -0.93 -0.33	30.51 -0.73 -0.91	27.38 -0.65 -1.03	30.08 -0.72 -0.91	26.15 -0.59 -1.27	23.36 -0.52 -1.48	27.03 -0.63 -0.92	32.39 -0.75 -0.60	40.51 -0.89 0.00	34.47 -0.71 -0.48	40.03 -0.78 -0.04	35.94 -0.68 -0.35	40.66 -0.83 0.00	21.82 -0.44 -1.19	5.90 -0.06 -2.73	6.26 -0.06 -3.01	3.42 0.02 -4.39	7.76 -0.09 -2.98	19.47 -0.33 -1.87	19.54 -0.35 -1.79	5.32 -0.06 -2.58	1.78 0.02 -2.93	7.97 -0.10 -2.85
SITHE____BATAVIA 24024	24.41 -0.33 -3.76	38.40 -1.01 -0.69	31.49 -0.72 -1.89	28.48 -0.65 -2.12	31.14 -0.63 -1.88	27.69 -0.42 -2.64	25.05 -0.43 -3.07	27.94 -0.71 -1.90	32.90 -0.89 -1.24	40.60 -0.80 0.00	35.24 -0.45 -0.99	40.65 -0.21 -0.09	36.95 -0.05 -0.73	40.97 -0.51 0.00	23.12 -0.41 -2.46	8.89 0.02 -5.64	9.53 -0.01 -6.23	8.11 0.01 -9.09	10.98 -0.05 -6.16	21.82 0.02 -3.88	21.78 -0.02 -3.70	8.11 -0.03 -5.35	4.88 -0.01 -6.07	11.16 0.03 -5.91
SITHE____INDEPEND 23800	22.32 -0.47 -1.82	38.13 -0.93 -0.33	30.51 -0.73 -0.91	27.38 -0.65 -1.03	30.08 -0.72 -0.91	26.15 -0.59 -1.27	23.36 -0.52 -1.48	27.03 -0.63 -0.92	32.39 -0.75 -0.60	40.51 -0.89 0.00	34.47 -0.71 -0.48	40.03 -0.78 -0.04	35.94 -0.68 -0.35	40.66 -0.83 0.00	21.82 -0.44 -1.19	5.90 -0.06 -2.73	6.26 -0.06 -3.01	3.42 0.02 -4.39	7.76 -0.09 -2.98	19.47 -0.33 -1.87	19.54 -0.35 -1.79	5.32 -0.06 -2.58	1.78 0.02 -2.93	7.97 -0.10 -2.85
SITHE____MASSENA 23902	20.55 -0.42 0.00	38.08 -0.64 0.00	29.84 -0.48 0.00	26.59 -0.42 0.00	29.41 -0.48 0.00	25.08 -0.39 0.00	22.08 -0.33 0.00	26.33 -0.41 0.00	31.97 -0.58 0.00	40.64 -0.76 0.00	33.94 -0.76 0.00	39.78 -0.99 0.00	35.35 -0.93 0.00	40.42 -1.06 0.00	20.51 -0.56 0.00	3.13 -0.11 0.00	-0.02 -0.10 3.23	-0.95 0.03 0.00	4.72 -0.15 0.00	17.33 -0.60 0.00	17.52 -0.59 0.00	2.72 -0.08 0.00	-1.14 0.04 0.00	4.83 -0.16 0.23
SITHE____OGDNSBRG 24021	20.51 -0.47 0.00	38.03 -0.69 0.00	29.80 -0.52 0.00	26.55 -0.46 0.00	29.38 -0.52 0.00	25.05 -0.42 0.00	22.08 -0.32 0.00	26.36 -0.38 0.00	32.02 -0.53 0.00	40.75 -0.65 0.00	34.05 -0.64 0.00	39.89 -0.88 0.00	35.43 -0.85 0.00	40.52 -0.96 0.00	20.56 -0.51 0.00	3.13 -0.10 0.00	0.32 -0.10 2.89	-0.96 0.03 0.00	4.72 -0.15 0.00	17.34 -0.59 0.00	17.53 -0.58 0.00	2.72 -0.08 0.00	-1.14 0.04 0.00	4.86 -0.16 0.21
SITHE____STERLING 23777	22.51 0.41 -1.13	39.71 0.78 -0.21	31.52 0.64 -0.57	28.22 0.58 -0.64	31.09 0.64 -0.56	26.83 0.57 -0.79	23.84 0.52 -0.92	27.99 0.67 -0.57	33.80 0.88 -0.37	42.60 1.20 0.00	36.05 1.05 -0.30	42.06 1.26 -0.03	37.64 1.15 -0.22	42.73 1.24 0.00	22.43 0.62 -0.74	5.03 0.11 -1.69	5.29 0.11 -1.87	1.71 -0.03 -2.72	6.84 0.12 -1.85	19.55 0.46 -1.16	19.65 0.44 -1.11	4.46 0.06 -1.60	0.61 -0.03 -1.82	7.10 0.11 -1.77
SOUTH CAIRO____GT 23612	52.15 1.28 -29.90	46.43 2.22 -5.49	47.06 1.73 -15.01	45.40 1.53 -16.86	46.49 1.69 -14.91	47.80 1.39 -20.94	48.03 1.24 -24.39	43.35 1.52 -15.09	44.30 1.93 -9.83	43.85 2.45 0.00	44.71 2.11 -7.90	43.94 2.45 -0.72	44.28 2.24 -5.76	44.13 2.64 0.00	42.02 1.38 -19.57	48.29 0.22 -44.84	53.07 0.22 -49.54	71.17 -0.07 -72.22	54.22 0.34 -49.00	50.01 1.26 -30.83	48.76 1.26 -29.40	45.51 0.19 -42.52	46.99 -0.08 -48.26	52.54 0.35 -46.96
SOUTH HAMPTN____IC 23720	51.11 2.61 -27.52	48.00 4.22 -5.06	47.52 3.38 -13.81	45.36 2.83 -15.52	46.62 3.01 -13.72	47.31 2.57 -19.28	47.26 2.41 -22.45	43.59 2.96 -13.89	45.28 3.68 -9.05	46.53 5.13 0.00	46.47 4.50 -7.27	46.51 5.08 -0.66	45.95 4.37 -5.30	46.61 5.12 0.00	41.79 2.71 -18.02	44.93 0.42 -41.28	49.33 0.42 -45.61	65.37 -0.12 -66.48	50.69 0.71 -45.11	48.74 2.44 -28.37	47.66 2.50 -27.06	42.33 0.39 -39.14	43.07 -0.16 -44.42	49.12 0.67 -43.23
SOUTHOLD____IC 23719	51.38 2.88 -27.52	48.44 4.66 -5.06	47.86 3.72 -13.81	45.67 3.14 -15.52	46.95 3.34 -13.72	47.60 2.86 -19.28	47.53 2.67 -22.45	43.92 3.29 -13.89	45.70 4.10 -9.05	47.12 5.72 0.00	46.95 4.98 -7.27	47.08 5.64 -0.66	46.46 4.88 -5.30	47.18 5.69 0.00	42.08 2.99 -18.02	44.98 0.47 -41.28	49.38 0.47 -45.61	65.35 -0.14 -66.48	50.77 0.79 -45.11	49.05 2.74 -28.37	47.95 2.79 -27.06	42.37 0.43 -39.14	43.06 -0.18 -44.42	49.19 0.74 -43.23
ST LAWRENCE____ 23600	20.39 -0.58 0.00	37.81 -0.91 0.00	29.62 -0.70 0.00	26.39 -0.62 0.00	29.20 -0.69 0.00	24.89 -0.58 0.00	21.91 -0.50 0.00	26.12 -0.62 0.00	31.72 -0.83 0.00	40.31 -1.09 0.00	33.66 -1.04 0.00	39.44 -1.33 0.00	35.05 -1.23 0.00	40.09 -1.39 0.00	20.35 -0.72 0.00	3.10 -0.13 0.00	-0.16 -0.13 3.35	-0.95 0.04 0.00	4.68 -0.19 0.00	17.20 -0.73 0.00	17.39 -0.72 0.00	2.70 -0.10 0.00	-1.13 0.05 0.00	4.78 -0.20 0.24
STATION 5_MISC_HYD 23604	23.89 -0.26 -3.18	38.56 -0.75 -0.58	31.36 -0.56 -1.60	28.28 -0.52 -1.79	30.95 -0.53 -1.59	27.35 -0.34 -2.23	24.68 -0.32 -2.60	27.85 -0.50 -1.61	32.99 -0.61 -1.05	40.86 -0.54 0.00	35.20 -0.33 -0.84	40.65 -0.19 -0.08	36.79 -0.09 -0.61	41.13 -0.36 0.00	22.91 -0.24 -2.08	8.02 0.01 -4.77	8.58 0.00 -5.27	6.70 0.00 -7.68	10.06 -0.02 -5.21	21.23 0.02 -3.28	21.21 -0.02 -3.13	7.30 -0.02 -4.52	3.95 0.00 -5.14	10.20 -0.02 -5.00



STA_168_34_KV_BK1_2_REV_LBMP_B 345032	24.23 0.00 -3.26	39.11 -0.21 -0.60	31.78 -0.18 -1.64	28.67 -0.18 -1.84	31.35 -0.17 -1.62	27.69 -0.06 -2.28	25.02 -0.04 -2.66	28.29 -0.09 -1.64	33.54 -0.08 -1.07	41.51 0.10 0.00	35.75 0.19 -0.86	41.25 0.40 -0.08	37.33 0.43 -0.63	41.78 0.29 0.00	23.28 0.08 -2.13	8.17 0.05 -4.88	8.75 0.04 -5.40	6.87 -0.01 -7.87	10.25 0.04 -5.34	21.52 0.23 -3.36	21.51 0.21 -3.20	7.45 0.02 -4.63	4.06 -0.01 -5.26	10.38 0.04 -5.12
STA_56_34_KV_BUS2_REV_LBMP_B 345033	23.81 -0.34 -3.17	38.43 -0.87 -0.58	31.24 -0.67 -1.59	28.18 -0.61 -1.79	30.83 -0.65 -1.58	27.24 -0.44 -2.22	24.58 -0.40 -2.59	27.75 -0.59 -1.60	32.88 -0.71 -1.04	40.73 -0.67 0.00	35.09 -0.45 -0.84	40.51 -0.33 -0.08	36.66 -0.23 -0.61	40.98 -0.50 0.00	22.84 -0.31 -2.08	7.99 0.00 -4.76	8.55 -0.01 -5.25	6.68 0.01 -7.66	10.03 -0.04 -5.20	21.15 -0.05 -3.27	21.13 -0.09 -3.12	7.28 -0.03 -4.51	3.94 0.00 -5.12	10.17 -0.04 -4.98
STEEL___WIND 323596	25.18 -0.27 -4.47	38.64 -0.90 -0.82	31.94 -0.62 -2.25	28.94 -0.59 -2.52	31.49 -0.63 -2.23	28.23 -0.37 -3.13	25.64 -0.42 -3.65	28.20 -0.81 -2.26	32.96 -1.06 -1.47	40.32 -1.08 0.00	35.19 -0.68 -1.18	40.48 -0.39 -0.11	36.96 -0.18 -0.86	40.76 -0.73 -0.01	23.41 -0.58 -2.93	9.94 0.00 -6.71	10.68 -0.04 -7.41	9.84 0.02 -10.80	12.10 -0.11 -7.34	22.39 -0.16 -4.61	22.33 -0.17 -4.40	9.11 -0.06 -6.36	6.03 -0.01 -7.21	12.25 0.01 -7.02
STEBEN_REC_LFGE 323667	27.82 0.79 -6.06	40.88 1.05 -1.11	34.16 0.79 -3.04	31.07 0.65 -3.42	33.55 0.63 -3.02	30.45 0.74 -4.25	27.99 0.64 -4.95	30.45 0.65 -3.06	35.36 0.82 -1.99	42.46 1.06 0.00	37.24 0.94 -1.60	42.28 1.36 -0.15	38.68 1.24 -1.17	42.45 0.96 0.00	25.34 0.30 -3.97	12.40 0.07 -9.09	13.40 0.05 -10.05	13.65 -0.01 -14.64	14.85 0.04 -9.94	24.47 0.29 -6.25	24.38 0.32 -5.96	11.45 0.03 -8.62	8.57 -0.03 -9.78	14.91 0.16 -9.52
STONY___BROOK 24151	50.80 2.31 -27.52	47.46 3.69 -5.06	47.11 2.97 -13.81	45.00 2.47 -15.52	46.23 2.61 -13.72	46.96 2.21 -19.28	46.94 2.09 -22.45	43.20 2.56 -13.89	44.77 3.17 -9.05	45.88 4.47 0.00	45.97 4.01 -7.27	45.95 4.52 -0.66	45.44 3.86 -5.30	46.03 4.55 0.00	41.49 2.40 -18.02	44.88 0.37 -41.28	49.28 0.36 -45.61	65.38 -0.11 -66.48	50.60 0.62 -45.11	48.41 2.10 -28.37	47.34 2.18 -27.06	42.28 0.34 -39.14	43.09 -0.14 -44.42	49.04 0.59 -43.23
STURGEON_POOL_HYD 23609	49.98 1.32 -27.68	46.02 2.22 -5.08	45.93 1.72 -13.89	44.13 1.52 -15.61	45.31 1.61 -13.80	46.24 1.38 -19.39	46.26 1.28 -22.58	42.34 1.63 -13.97	43.65 2.00 -9.10	44.02 2.62 0.00	44.35 2.34 -7.31	44.26 2.83 -0.67	44.16 2.55 -5.33	44.36 2.88 0.00	40.71 1.52 -18.12	44.99 0.24 -41.51	49.42 0.24 -45.87	65.80 -0.07 -66.86	50.63 0.39 -45.37	47.84 1.37 -28.54	46.69 1.37 -27.22	42.38 0.21 -39.37	43.40 -0.09 -44.68	49.07 0.37 -43.48
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	47.10 1.30 -24.83	45.45 2.17 -4.56	44.47 1.68 -12.46	42.50 1.49 -14.00	43.83 1.56 -12.38	44.24 1.38 -17.39	43.94 1.29 -20.25	40.89 1.61 -12.53	42.69 1.97 -8.16	44.00 2.60 0.00	43.59 2.34 -6.56	44.21 2.85 -0.60	43.63 2.57 -4.78	44.39 2.90 0.00	38.84 1.51 -16.25	40.71 0.25 -37.24	44.69 0.24 -41.14	58.91 -0.07 -59.97	45.95 0.39 -40.69	44.89 1.36 -25.60	43.88 1.37 -24.41	38.32 0.21 -35.31	38.80 -0.09 -40.07	44.59 0.37 -38.99
SYNERGY___BIOGAS 323694	24.41 -0.33 -3.76	38.40 -1.01 -0.69	31.49 -0.72 -1.89	28.48 -0.65 -2.12	31.14 -0.63 -1.88	27.69 -0.42 -2.64	25.05 -0.43 -3.07	27.94 -0.71 -1.90	32.90 -0.89 -1.24	40.60 -0.80 0.00	35.24 -0.45 -0.99	40.65 -0.21 -0.09	36.95 -0.05 -0.73	40.97 -0.51 0.00	23.12 -0.41 -2.46	8.89 0.02 -5.64	9.53 -0.01 -6.23	8.11 0.01 -9.09	10.98 -0.05 -6.16	21.82 0.02 -3.88	21.78 -0.02 -3.70	8.11 -0.03 -5.35	4.88 -0.01 -6.07	11.16 0.03 -5.91
SYRACUSE___ENERGY_ST1 323597	23.79 0.01 -2.81	39.17 -0.07 -0.52	31.66 -0.07 -1.41	28.53 -0.06 -1.58	31.24 -0.06 -1.40	27.40 -0.03 -1.97	24.67 -0.02 -2.29	28.15 0.00 -1.42	33.51 0.04 -0.92	41.52 0.12 0.00	35.61 0.17 -0.74	41.11 0.28 -0.07	37.09 0.28 -0.54	41.71 0.23 0.00	22.99 0.08 -1.83	7.47 0.03 -4.21	7.98 0.03 -4.65	5.78 -0.01 -6.77	9.50 0.03 -4.60	20.97 0.15 -2.89	20.99 0.13 -2.76	6.80 0.01 -3.99	3.34 -0.01 -4.53	9.65 0.02 -4.41
SYRACUSE___ENERGY_ST2 323598	23.79 0.01 -2.81	39.17 -0.07 -0.52	31.66 -0.07 -1.41	28.53 -0.06 -1.58	31.24 -0.06 -1.40	27.40 -0.03 -1.97	24.67 -0.02 -2.29	28.15 0.00 -1.42	33.51 0.04 -0.92	41.52 0.12 0.00	35.61 0.17 -0.74	41.11 0.28 -0.07	37.09 0.28 -0.54	41.71 0.23 0.00	22.99 0.08 -1.83	7.47 0.03 -4.21	7.98 0.03 -4.65	5.78 -0.01 -6.77	9.50 0.03 -4.60	20.97 0.15 -2.89	20.99 0.13 -2.76	6.80 0.01 -3.99	3.34 -0.01 -4.53	9.65 0.02 -4.41
SYRACUSE___POWER 24017	23.92 0.03 -2.92	39.22 -0.04 -0.54	31.75 -0.04 -1.46	28.61 -0.05 -1.64	31.30 -0.04 -1.45	27.50 -0.01 -2.04	24.78 0.00 -2.38	28.23 0.02 -1.47	33.56 0.05 -0.96	41.56 0.16 0.00	35.67 0.21 -0.77	41.16 0.32 -0.07	37.16 0.32 -0.56	41.78 0.30 0.00	23.11 0.13 -1.91	7.64 0.04 -4.37	8.17 0.03 -4.83	6.05 -0.01 -7.04	9.69 0.04 -4.78	21.10 0.16 -3.01	21.11 0.14 -2.87	6.96 0.02 -4.15	3.52 -0.01 -4.71	9.84 0.03 -4.58
TRIGEN___CC 323695	50.39 1.90 -27.52	46.89 3.11 -5.06	46.61 2.48 -13.81	44.61 2.08 -15.52	45.81 2.19 -13.72	46.62 1.87 -19.28	46.61 1.75 -22.45	42.84 2.21 -13.89	44.31 2.71 -9.05	45.15 3.75 0.00	45.39 3.43 -7.27	45.43 3.99 -0.66	45.02 3.45 -5.30	45.49 4.01 0.00	41.20 2.11 -18.02	44.84 0.33 -41.28	49.24 0.33 -45.61	65.39 -0.10 -66.48	50.52 0.54 -45.11	48.15 1.85 -28.37	47.06 1.90 -27.06	42.24 0.30 -39.14	43.11 -0.12 -44.42	48.96 0.51 -43.23
UNION___PROCESSING_DRP 323587	23.89 -0.28 -3.20	38.52 -0.79 -0.59	31.33 -0.60 -1.61	28.27 -0.55 -1.81	30.93 -0.56 -1.60	27.34 -0.38 -2.24	24.67 -0.35 -2.61	27.83 -0.53 -1.62	32.96 -0.65 -1.05	40.80 -0.60 0.00	35.16 -0.38 -0.85	40.60 -0.25 -0.08	36.75 -0.14 -0.62	41.06 -0.42 0.00	22.89 -0.28 -2.10	8.05 0.01 -4.81	8.61 0.00 -5.31	6.76 0.00 -7.74	10.09 -0.03 -5.25	21.22 -0.01 -3.30	21.21 -0.04 -3.15	7.33 -0.02 -4.56	3.99 0.00 -5.17	10.24 -0.02 -5.03
UPPER HUDSON___HYD 24058	61.62 1.13 -39.52	47.83 1.86 -7.26	51.59 1.43 -19.84	50.53 1.24 -22.28	50.99 1.39 -19.70	54.22 1.07 -27.68	55.64 1.01 -32.23	47.94 1.25 -19.95	47.43 1.89 -12.99	43.36 1.96 0.00	46.87 1.74 -10.44	43.76 2.04 -0.95	45.74 1.85 -7.61	43.58 2.10 0.00	48.02 1.08 -25.87	62.67 0.17 -59.27	69.10 0.19 -65.60	94.41 -0.06 -95.45	69.92 0.27 -64.77	59.68 1.01 -40.74	57.93 0.97 -38.86	59.16 0.16 -56.20	62.54 -0.06 -63.78	67.57 0.27 -62.07
UPPER RAQUET___HYD 24056	20.06 -0.92 0.00	37.17 -1.55 0.00	29.12 -1.20 0.00	25.95 -1.06 0.00	28.71 -1.18 0.00	24.48 -0.99 0.00	21.56 -0.84 0.00	25.75 -0.99 0.00	31.29 -1.26 0.00	39.79 -1.61 0.00	33.23 -1.46 0.00	38.90 -1.87 0.00	34.54 -1.74 0.00	39.48 -2.00 0.00	20.02 -1.05 0.00	3.04 -0.19 0.00	0.45 -0.19 2.67	-0.93 0.05 0.00	4.60 -0.28 0.00	16.86 -1.07 0.00	17.04 -1.06 0.00	2.65 -0.15 0.00	-1.11 0.07 0.00	4.77 -0.26 0.19



VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	32.68 0.95 -10.75	42.34 1.65 -1.97	36.98 1.26 -5.40	34.18 1.11 -6.06	36.50 1.25 -5.36	34.04 1.04 -7.53	32.09 0.92 -8.77	33.34 1.17 -5.43	37.55 1.46 -3.53	43.37 1.97 0.00	39.27 1.73 -2.84	43.13 2.10 -0.26	40.22 1.87 -2.07	43.57 2.09 0.00	29.15 1.04 -7.04	19.52 0.17 -16.12	21.29 0.17 -17.81	24.93 -0.05 -25.96	22.75 0.26 -17.62	29.96 0.94 -11.08	29.61 0.95 -10.57	18.23 0.14 -15.29	16.11 -0.06 -17.35	22.37 0.26 -16.88
VISCHER___FERRY HYD 24020	60.45 1.29 -38.18	48.01 2.28 -7.01	51.31 1.82 -19.17	50.15 1.61 -21.53	50.73 1.80 -19.04	53.70 1.49 -26.74	54.85 1.30 -31.15	47.54 1.53 -19.27	47.08 1.98 -12.55	43.71 2.31 0.00	46.80 2.02 -10.09	44.04 2.35 -0.92	45.75 2.11 -7.36	43.93 2.44 0.00	47.34 1.28 -25.00	60.70 0.20 -57.26	66.89 0.21 -63.37	91.17 -0.06 -92.22	67.76 0.30 -62.58	58.44 1.14 -39.37	56.79 1.15 -37.54	57.28 0.18 -54.30	60.37 -0.08 -61.62	65.54 0.34 -59.98
V_CMM_10_SYNC_DSASP 323787	20.46 -0.52 0.00	37.93 -0.80 0.00	29.71 -0.61 0.00	26.47 -0.54 0.00	29.29 -0.61 0.00	24.97 -0.50 0.00	21.97 -0.43 0.00	26.21 -0.53 0.00	31.83 -0.72 0.00	40.45 -0.96 0.00	33.77 -0.93 0.00	39.58 -1.19 0.00	35.17 -1.10 0.00	40.23 -1.26 0.00	20.42 -0.64 0.00	3.11 -0.12 0.00	-0.16 -0.12 3.35	-0.95 0.03 0.00	4.70 -0.18 0.00	17.26 -0.67 0.00	17.45 -0.65 0.00	2.71 -0.09 0.00	-1.14 0.04 0.00	4.80 -0.19 0.24
V_CMP_10_SYNC_DSASP 323788	21.01 0.04 0.00	38.93 0.21 0.00	30.48 0.16 0.00	27.17 0.16 0.00	30.11 0.21 0.00	25.71 0.24 0.00	22.68 0.28 0.00	27.05 0.31 0.00	32.89 0.33 0.00	41.65 0.25 0.00	34.81 0.12 0.00	40.53 -0.24 0.00	35.94 -0.34 0.00	41.01 -0.48 0.00	20.56 -0.51 0.00	3.07 -0.16 0.00	-0.20 -0.16 3.35	-0.94 0.05 0.00	4.61 -0.27 0.00	16.90 -1.04 0.00	17.08 -1.03 0.00	2.68 -0.12 0.00	-1.12 0.06 0.00	4.68 -0.30 0.24
V_F_30_SYNC_DSASP 323786	59.37 1.07 -37.33	47.55 1.97 -6.86	50.60 1.54 -18.74	49.43 1.37 -21.05	50.04 1.54 -18.61	52.86 1.25 -26.15	53.92 1.07 -30.45	46.78 1.20 -18.84	46.33 1.50 -12.27	43.22 1.82 0.00	46.15 1.60 -9.86	43.57 1.90 -0.90	45.22 1.75 -7.19	43.54 2.06 0.00	46.58 1.08 -24.44	59.38 0.16 -55.99	65.33 0.17 -61.86	89.13 -0.05 -90.17	66.31 0.25 -61.19	57.37 0.95 -38.49	55.76 0.95 -36.71	56.04 0.15 -53.09	59.01 -0.06 -60.25	64.14 0.28 -58.63
V_XM_10_SYNC_DSASP 323789	21.01 0.04 0.00	38.93 0.21 0.00	30.48 0.16 0.00	27.17 0.16 0.00	30.11 0.21 0.00	25.71 0.24 0.00	22.68 0.28 0.00	27.05 0.31 0.00	32.89 0.33 0.00	41.65 0.25 0.00	34.81 0.12 0.00	40.53 -0.24 0.00	35.94 -0.34 0.00	41.01 -0.48 0.00	20.56 -0.51 0.00	3.07 -0.16 0.00	-0.20 -0.16 3.35	-0.94 0.05 0.00	4.61 -0.27 0.00	16.90 -1.04 0.00	17.08 -1.03 0.00	2.68 -0.12 0.00	-1.12 0.06 0.00	4.68 -0.30 0.24
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	47.88 1.54 -25.37	45.95 2.57 -4.66	45.06 2.00 -12.73	43.08 1.77 -14.30	44.39 1.85 -12.65	44.88 1.64 -17.77	44.65 1.55 -20.69	41.47 1.93 -12.80	43.22 2.33 -8.34	44.49 3.09 0.00	44.17 2.78 -6.70	44.76 3.37 -0.61	44.20 3.04 -4.89	44.94 3.45 0.00	39.47 1.79 -16.61	41.57 0.29 -38.05	45.63 0.29 -42.04	60.20 -0.09 -61.27	46.91 0.46 -41.58	45.69 1.61 -26.16	44.66 1.62 -24.94	39.12 0.25 -36.08	39.65 -0.11 -40.94	45.51 0.44 -39.84
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	50.17 1.76 -27.44	46.74 2.98 -5.04	46.41 2.31 -13.78	44.50 2.02 -15.47	45.68 2.11 -13.68	46.54 1.84 -19.22	46.49 1.70 -22.39	42.78 2.18 -13.85	44.22 2.65 -9.02	44.97 3.56 0.00	45.07 3.12 -7.25	45.20 3.77 -0.66	44.98 3.41 -5.29	45.33 3.85 0.00	41.07 2.04 -17.96	44.71 0.32 -41.16	49.10 0.32 -45.47	65.21 -0.09 -66.28	50.37 0.51 -44.98	48.03 1.81 -28.29	46.90 1.81 -26.98	42.11 0.28 -39.03	42.99 -0.12 -44.29	48.81 0.48 -43.10
WADING RIVER_IC_1 23522	50.89 2.39 -27.52	47.61 3.84 -5.06	47.22 3.08 -13.81	45.09 2.56 -15.52	46.33 2.71 -13.72	47.05 2.31 -19.28	47.03 2.18 -22.45	43.32 2.68 -13.89	44.92 3.32 -9.05	46.06 4.66 0.00	46.06 4.10 -7.27	46.05 4.61 -0.66	45.52 3.94 -5.30	46.12 4.63 0.00	41.54 2.45 -18.02	44.89 0.39 -41.28	49.29 0.38 -45.61	65.38 -0.11 -66.48	50.63 0.65 -45.11	48.52 2.22 -28.37	47.44 2.28 -27.06	42.30 0.36 -39.14	43.09 -0.15 -44.42	49.06 0.61 -43.23
WADING RIVER_IC_2 23547	50.89 2.39 -27.52	47.61 3.84 -5.06	47.22 3.08 -13.81	45.09 2.56 -15.52	46.33 2.71 -13.72	47.05 2.31 -19.28	47.03 2.18 -22.45	43.32 2.68 -13.89	44.92 3.32 -9.05	46.06 4.66 0.00	46.06 4.10 -7.27	46.05 4.61 -0.66	45.52 3.94 -5.30	46.12 4.63 0.00	41.54 2.45 -18.02	44.89 0.39 -41.28	49.29 0.38 -45.61	65.38 -0.11 -66.48	50.63 0.65 -45.11	48.52 2.22 -28.37	47.44 2.28 -27.06	42.30 0.36 -39.14	43.09 -0.15 -44.42	49.06 0.61 -43.23
WADING RIVER_IC_3 23601	50.89 2.39 -27.52	47.61 3.84 -5.06	47.22 3.08 -13.81	45.09 2.56 -15.52	46.33 2.71 -13.72	47.05 2.31 -19.28	47.03 2.18 -22.45	43.32 2.68 -13.89	44.92 3.32 -9.05	46.06 4.66 0.00	46.06 4.10 -7.27	46.05 4.61 -0.66	45.52 3.94 -5.30	46.12 4.63 0.00	41.54 2.45 -18.02	44.89 0.39 -41.28	49.29 0.38 -45.61	65.38 -0.11 -66.48	50.63 0.65 -45.11	48.52 2.22 -28.37	47.44 2.28 -27.06	42.30 0.36 -39.14	43.09 -0.15 -44.42	49.06 0.61 -43.23
WALDEN___HYDRO 24148	48.72 1.38 -26.36	45.87 2.31 -4.84	45.35 1.80 -13.23	43.45 1.58 -14.86	44.70 1.67 -13.14	45.41 1.47 -18.46	45.27 1.36 -21.51	41.77 1.72 -13.31	43.32 2.10 -8.67	44.14 2.74 0.00	44.12 2.46 -6.96	44.41 3.01 -0.64	44.06 2.71 -5.08	44.52 3.03 0.00	39.91 1.59 -17.26	43.03 0.26 -39.54	47.26 0.26 -43.69	62.62 -0.08 -63.68	48.50 0.41 -43.21	46.57 1.46 -27.18	45.48 1.46 -25.92	40.52 0.22 -37.49	41.27 -0.10 -42.55	47.03 0.40 -41.41
WARRENSBURG___ 23737	61.62 1.13 -39.52	47.83 1.86 -7.26	51.59 1.43 -19.84	50.53 1.24 -22.28	50.99 1.39 -19.70	54.22 1.07 -27.68	55.64 1.01 -32.23	47.94 1.25 -19.95	47.43 1.89 -12.99	43.36 1.96 0.00	46.87 1.74 -10.44	43.76 2.04 -0.95	45.74 1.85 -7.61	43.58 2.10 0.00	48.02 1.08 -25.87	62.67 0.17 -59.27	69.10 0.19 -65.60	94.41 -0.06 -95.45	69.92 0.27 -64.77	59.68 1.01 -40.74	57.93 0.97 -38.86	59.16 0.16 -56.20	62.54 -0.06 -63.78	67.57 0.27 -62.07
WATERSIDE___6 8 9 23538	50.19 1.73 -27.48	46.73 2.96 -5.05	46.42 2.30 -13.79	44.52 2.02 -15.49	45.68 2.09 -13.70	46.55 1.83 -19.25	46.55 1.73 -22.42	42.83 2.22 -13.87	44.28 2.69 -9.03	45.02 3.62 0.00	45.13 3.18 -7.26	45.26 3.83 -0.66	45.04 3.47 -5.29	45.37 3.89 0.00	41.12 2.07 -17.99	44.77 0.32 -41.21	49.17 0.32 -45.53	65.29 -0.09 -66.37	50.43 0.52 -45.04	48.08 1.81 -28.33	46.95 1.83 -27.02	42.16 0.28 -39.08	43.05 -0.12 -44.35	48.88 0.49 -43.16
WDELAWARE___HYD 323627	47.12 2.45 -23.70	47.39 4.32 -4.35	45.60 3.39 -11.89	43.37 3.00 -13.36	45.01 3.30 -11.82	44.95 2.88 -16.60	44.36 2.63 -19.33	41.93 3.22 -11.96	44.25 3.91 -7.79	46.36 4.96 0.00	45.18 4.23 -6.26	46.50 5.16 -0.57	45.48 4.64 -4.56	46.62 5.13 0.00	39.19 2.61 -15.51	39.19 0.42 -35.54	43.01 0.43 -39.26	56.12 -0.13 -57.23	44.38 0.67 -38.84	44.75 2.39 -24.43	43.81 2.41 -23.30	36.87 0.37 -33.70	36.91 -0.16 -38.24	43.09 0.65 -37.22



WEST BABYLON___IC 23714	50.88 2.38 -27.52	47.63 3.85 -5.06	47.23 3.10 -13.81	45.11 2.59 -15.52	46.35 2.73 -13.72	47.06 2.32 -19.28	47.04 2.18 -22.45	43.34 2.71 -13.89	44.93 3.33 -9.05	46.04 4.64 0.00	46.09 4.12 -7.27	46.10 4.67 -0.66	45.59 4.02 -5.30	46.18 4.70 0.00	41.56 2.47 -18.02	44.90 0.39 -41.28	49.30 0.39 -45.61	65.38 -0.12 -66.48	50.63 0.65 -45.11	48.54 2.23 -28.37	47.45 2.29 -27.06	42.30 0.36 -39.14	43.08 -0.15 -44.42	49.07 0.61 -43.23
WEST CANADA___HYD 24049	20.32 0.02 0.67	38.60 0.00 0.12	29.98 0.00 0.34	26.63 0.00 0.38	29.56 0.01 0.34	25.00 0.00 0.47	21.85 0.00 0.55	26.40 0.00 0.34	32.35 0.02 0.22	41.43 0.03 0.00	34.55 0.03 0.18	40.79 0.04 0.02	36.18 0.03 0.13	41.51 0.03 0.00	20.64 0.02 0.44	2.22 0.00 1.01	2.35 0.00 0.97	-2.62 0.00 1.63	3.77 0.00 1.11	17.24 0.01 0.70	17.45 0.01 0.66	1.84 0.00 0.96	-2.27 0.00 1.09	4.18 0.00 1.05
WESTERN_NY_WIND 24143	24.43 -0.36 -3.81	38.34 -1.08 -0.70	31.46 -0.77 -1.92	28.47 -0.70 -2.15	31.12 -0.68 -1.90	27.69 -0.46 -2.67	25.05 -0.46 -3.11	27.91 -0.76 -1.93	32.85 -0.96 -1.26	40.51 -0.89 0.00	35.19 -0.52 -1.01	40.58 -0.29 -0.09	36.88 -0.13 -0.73	40.88 -0.61 0.00	23.11 -0.46 -2.50	8.96 0.01 -5.72	9.62 -0.02 -6.32	8.24 0.01 -9.21	11.05 -0.06 -6.25	21.84 -0.02 -3.93	21.80 -0.05 -3.75	8.18 -0.04 -5.42	4.97 -0.01 -6.16	11.24 0.02 -6.00
WESTOVER___LESR 323668	30.39 0.52 -8.90	41.19 0.83 -1.64	35.40 0.61 -4.47	32.55 0.53 -5.02	34.89 0.56 -4.44	32.20 0.50 -6.23	30.11 0.44 -7.26	31.81 0.57 -4.49	36.19 0.72 -2.93	42.41 1.01 0.00	37.99 0.94 -2.35	42.23 1.25 -0.21	39.14 1.15 -1.71	42.72 1.23 0.00	27.45 0.55 -5.82	16.68 0.10 -13.35	18.15 0.10 -14.75	20.49 -0.02 -21.49	19.59 0.13 -14.59	27.65 0.55 -9.18	27.37 0.52 -8.75	15.52 0.07 -12.65	13.15 -0.04 -14.36	19.36 0.16 -13.98
WETHRSFD_WT_PWR 323626	26.01 -0.09 -5.13	39.13 -0.53 -0.94	32.50 -0.39 -2.57	29.50 -0.40 -2.89	32.01 -0.44 -2.56	28.83 -0.23 -3.59	26.29 -0.29 -4.18	28.78 -0.55 -2.59	33.47 -0.76 -1.69	40.49 -0.91 0.00	35.41 -0.65 -1.35	40.45 -0.44 -0.12	36.99 -0.28 -0.99	40.71 -0.77 0.00	23.79 -0.64 -3.36	10.88 -0.05 -7.69	11.72 -0.08 -8.50	11.44 0.03 -12.39	13.11 -0.17 -8.41	22.79 -0.43 -5.29	22.80 -0.34 -5.04	10.02 -0.07 -7.30	7.10 0.01 -8.28	13.24 -0.03 -8.05
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	47.79 1.43 -25.38	45.76 2.37 -4.66	44.92 1.86 -12.74	42.96 1.64 -14.31	44.25 1.70 -12.66	44.77 1.52 -17.78	44.55 1.44 -20.71	41.34 1.78 -12.81	43.06 2.17 -8.34	44.27 2.86 0.00	43.99 2.58 -6.70	44.52 3.14 -0.61	44.00 2.84 -4.89	44.70 3.22 0.00	39.36 1.67 -16.62	41.57 0.27 -38.07	45.64 0.27 -42.06	60.25 -0.08 -61.31	46.90 0.42 -41.60	45.60 1.49 -26.17	44.57 1.50 -24.96	39.13 0.23 -36.10	39.69 -0.10 -40.97	45.51 0.41 -39.87
YORK___WARBASSE 23770	50.25 1.80 -27.48	46.86 3.09 -5.05	46.53 2.41 -13.79	44.62 2.11 -15.49	45.77 2.18 -13.70	46.63 1.91 -19.25	46.60 1.78 -22.42	42.88 2.27 -13.87	44.33 2.75 -9.03	45.11 3.71 0.00	45.22 3.27 -7.26	45.34 3.91 -0.66	45.13 3.56 -5.29	45.51 4.02 0.00	41.19 2.13 -17.99	44.78 0.34 -41.21	49.17 0.33 -45.53	65.29 -0.10 -66.37	50.45 0.54 -45.04	48.13 1.87 -28.33	47.01 1.89 -27.02	42.17 0.29 -39.08	43.05 -0.12 -44.35	48.90 0.51 -43.16