

# Day Ahead Market Generator LBMP

Generator Data		--- LBMP \$										--- Marginal Cost of Losses										--- Marginal Cost of Congestion										03/01/2025		
Name	PTID	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									
59TH STREET_GT_1	24138	42.97	41.33	40.38	39.51	40.15	40.36	44.68	46.32	44.73	42.20	46.29	47.13	45.82	45.37	46.18	49.39	56.97	70.00	85.82	87.95	80.89	73.04	65.36	59.81									
		2.05	1.89	1.78	1.77	1.69	1.70	2.29	2.37	2.49	2.46	2.58	2.58	2.55	2.53	2.53	2.57	2.97	3.63	4.28	4.04	3.79	3.19	2.80	2.41									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.42	-3.70	-9.06	-6.92	-4.65	-1.68	0.00									
74TH STREET_GT_1	24260	42.97	41.37	40.42	39.51	40.31	40.51	44.68	46.28	44.68	42.20	46.29	47.17	45.86	45.38	46.18	49.34	56.92	70.06	85.89	88.14	81.08	73.09	65.35	59.87									
		2.05	1.93	1.81	1.77	1.85	1.86	2.29	2.33	2.45	2.46	2.58	2.63	2.60	2.53	2.53	2.53	2.92	3.70	4.36	4.27	4.00	3.26	2.80	2.47									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.42	-3.69	-9.03	-6.89	-4.63	-1.67	0.00									
74TH STREET_GT_2	24261	42.97	41.37	40.42	39.51	40.31	40.51	44.68	46.28	44.68	42.20	46.29	47.17	45.86	45.38	46.18	49.34	56.92	70.06	85.89	88.14	81.08	73.09	65.35	59.87									
		2.05	1.93	1.81	1.77	1.85	1.86	2.29	2.33	2.45	2.46	2.58	2.63	2.60	2.53	2.53	2.53	2.92	3.70	4.36	4.27	4.00	3.26	2.80	2.47									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.42	-3.69	-9.03	-6.89	-4.63	-1.67	0.00									
ADK HUDSON___FALLS	24011	44.40	42.79	41.84	40.86	41.61	41.94	46.12	47.73	45.78	42.95	47.34	48.47	46.82	46.49	47.44	51.03	59.35	85.73	98.01	104.02	87.31	84.34	67.09	63.20									
		3.48	3.35	3.24	3.13	3.15	3.29	3.73	3.78	3.55	3.22	3.63	3.92	3.55	3.64	3.80	4.21	5.35	6.88	8.10	7.78	7.23	6.85	6.21	5.80									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-13.90	-12.08	-21.39	-9.89	-12.30	0.00	0.00									
ADK RESOURCE___RCVRY	23798	44.73	43.06	42.15	41.13	41.88	42.21	46.42	48.08	46.08	43.19	47.52	48.78	47.08	46.79	47.75	51.36	59.84	86.35	98.83	104.84	88.04	85.03	67.70	63.72									
		3.81	3.63	3.55	3.40	3.42	3.55	4.03	4.13	3.84	3.45	3.80	4.23	3.81	3.94	4.10	4.54	5.83	7.47	8.87	8.53	7.93	7.49	6.82	6.31									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-13.94	-12.12	-21.46	-9.92	-12.34	0.00	0.00									
ADK S GLENS___FALLS	24028	44.40	42.79	41.84	40.86	41.61	41.94	46.12	47.73	45.78	42.95	47.34	48.47	46.82	46.49	47.44	51.03	59.35	85.73	98.01	104.02	87.31	84.34	67.09	63.20									
		3.48	3.35	3.24	3.13	3.15	3.29	3.73	3.78	3.55	3.22	3.63	3.92	3.55	3.64	3.80	4.21	5.35	6.88	8.10	7.78	7.23	6.85	6.21	5.80									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-13.90	-12.08	-21.39	-9.89	-12.30	0.00	0.00									
ADK_NYS___DAM	23527	43.17	41.64	40.76	39.84	40.57	40.82	44.85	46.45	44.73	42.16	46.43	47.35	45.95	45.50	46.31	49.67	57.41	79.45	91.82	95.56	81.90	78.27	64.47	60.61									
		2.25	2.21	2.16	2.11	2.11	2.16	2.46	2.50	2.49	2.42	2.71	2.81	2.68	2.66	2.66	2.86	3.40	4.16	4.99	4.79	4.35	3.91	3.59	3.21									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-10.35	-8.99	-15.92	-7.36	-9.15	0.00	0.00									
AIR_PRODUCTS___DRP	24190	41.50	40.03	39.18	38.34	39.04	39.24	43.11	44.61	42.91	40.37	44.81	45.75	44.35	43.96	44.78	48.03	55.57	73.70	85.89	87.47	77.16	73.03	62.53	58.84									
		0.57	0.59	0.58	0.60	0.58	0.58	0.72	0.66	0.68	0.64	1.09	1.20	1.08	1.11	1.13	1.22	1.57	1.82	2.02	1.95	2.04	1.70	1.64	1.44									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-6.94	-6.03	-10.68	-4.94	-6.14	0.00	0.00									
AKWESSNE_115KV_BK	355683	41.37	39.83	38.91	37.96	38.69	38.93	42.77	44.34	42.62	40.01	44.07	44.86	43.61	43.19	43.99	47.14	54.33	65.07	77.84	75.00	70.40	65.72	61.55	57.98									
		0.45	0.39	0.31	0.23	0.23	0.27	0.38	0.40	0.38	0.28	0.35	0.31	0.35	0.34	0.35	0.33	0.32	0.13	0.00	0.15	0.21	0.52	0.67	0.57									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00									
ALBANY_1_SOLAR	323833	42.27	40.74	39.95	39.05	39.77	39.93	43.83	45.31	43.38	40.68	44.98	45.97	44.52	44.18	45.04	48.41	56.16	72.75	85.48	85.85	76.84	72.42	63.50	59.81									
		1.35	1.30	1.35	1.32	1.31	1.27	1.44	1.36	1.14	0.95	1.27	1.43	1.26	1.33	1.40	1.59	2.16	2.60	3.12	3.00	2.95	2.61	2.62	2.41									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.20	-4.52	-8.01	-3.70	-4.60	0.00	0.00									
ALBANY_2_SOLAR	323834	42.23	40.74	39.92	39.02	39.77	39.93	43.79	45.26	43.33	40.68	44.98	45.93	44.52	44.13	45.04	48.41	56.16	72.75	85.39	85.85	76.77	72.41	63.50	59.81									
		1.31	1.30	1.31	1.28	1.31	1.27	1.40	1.32	1.10	0.95	1.27	1.38	1.26	1.28	1.40	1.59	2.16	2.60	3.03	3.00	2.88	2.61	2.62	2.41									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.20	-4.52	-8.01	-3.70	-4.60	0.00	0.00									
ALBANY___1	23571	41.50	40.03	39.18	38.34	39.04	39.24	43.11	44.61	42.91	40.37	44.81	45.75	44.35	43.96	44.78	48.03	55.57	73.70	85.89	87.47	77.16	73.03	62.53	58.84									
		0.57	0.59	0.58	0.60	0.58	0.58	0.72	0.66	0.68	0.64	1.09	1.20	1.08	1.11	1.13	1.22	1.57	1.82	2.02	1.95	2.04	1.70	1.64	1.44									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-6.94	-6.03	-10.68	-4.94	-6.14	0.00	0.00									



ALBANY___2 23572	41.50 0.57 0.00	40.03 0.59 0.00	39.18 0.58 0.00	38.34 0.60 0.00	39.04 0.58 0.00	39.24 0.58 0.00	43.11 0.72 0.00	44.61 0.66 0.00	42.91 0.68 0.00	40.37 0.64 0.00	44.81 1.09 0.00	45.75 1.20 0.00	44.35 1.08 0.00	43.96 1.11 0.00	44.78 1.13 0.00	48.03 1.22 0.00	55.57 1.57 0.00	73.70 1.82 -6.94	85.89 2.02 -6.03	87.47 1.95 -10.68	77.16 2.04 -4.94	73.03 1.70 -6.14	62.53 1.64 0.00	58.84 1.44 0.00
ALBANY___3 23573	41.50 0.57 0.00	40.03 0.59 0.00	39.18 0.58 0.00	38.34 0.60 0.00	39.04 0.58 0.00	39.24 0.58 0.00	43.11 0.72 0.00	44.61 0.66 0.00	42.91 0.68 0.00	40.37 0.64 0.00	44.81 1.09 0.00	45.75 1.20 0.00	44.35 1.08 0.00	43.96 1.11 0.00	44.78 1.13 0.00	48.03 1.22 0.00	55.57 1.57 0.00	73.70 1.82 -6.94	85.89 2.02 -6.03	87.47 1.95 -10.68	77.16 2.04 -4.94	73.03 1.70 -6.14	62.53 1.64 0.00	58.84 1.44 0.00
ALBANY___4 23574	41.50 0.57 0.00	40.03 0.59 0.00	39.18 0.58 0.00	38.34 0.60 0.00	39.04 0.58 0.00	39.24 0.58 0.00	43.11 0.72 0.00	44.61 0.66 0.00	42.91 0.68 0.00	40.37 0.64 0.00	44.81 1.09 0.00	45.75 1.20 0.00	44.35 1.08 0.00	43.96 1.11 0.00	44.78 1.13 0.00	48.03 1.22 0.00	55.57 1.57 0.00	73.70 1.82 -6.94	85.89 2.02 -6.03	87.47 1.95 -10.68	77.16 2.04 -4.94	73.03 1.70 -6.14	62.53 1.64 0.00	58.84 1.44 0.00
ALBANY___LFGE 323615	41.82 0.90 0.00	40.34 0.91 0.00	39.49 0.89 0.00	38.60 0.87 0.00	39.35 0.89 0.00	39.51 0.85 0.00	43.41 1.02 0.00	44.96 1.01 0.00	43.21 0.97 0.00	40.68 0.95 0.00	45.11 1.40 0.00	46.06 1.52 0.00	44.65 1.38 0.00	44.26 1.41 0.00	45.13 1.48 0.00	48.41 1.59 0.00	56.00 2.00 0.00	76.79 2.33 -9.51	88.76 2.65 -8.27	92.11 2.62 -14.64	79.55 2.60 -6.77	75.84 2.22 -8.42	62.95 2.07 0.00	59.24 1.84 0.00
ALCOA_PA_115KV_PL-6C 55860	41.74 0.82 0.00	40.19 0.75 0.00	39.22 0.62 0.00	38.30 0.57 0.00	39.04 0.58 0.00	39.24 0.58 0.00	43.07 0.68 0.00	44.69 0.75 0.00	42.91 0.68 0.00	40.29 0.56 0.00	44.37 0.66 0.00	45.17 0.62 0.00	43.96 0.69 0.00	43.53 0.69 0.00	44.34 0.70 0.00	47.57 0.75 0.00	54.76 0.76 0.00	65.53 0.58 0.00	78.15 0.31 0.00	75.45 0.60 0.00	70.89 0.70 0.00	66.31 1.11 0.00	62.16 1.28 0.00	58.55 1.15 0.00
ALCOA_RYNLDS___DRP 24188	41.74 0.82 0.00	40.19 0.75 0.00	39.22 0.62 0.00	38.30 0.57 0.00	39.04 0.58 0.00	39.24 0.58 0.00	43.07 0.68 0.00	44.69 0.75 0.00	42.91 0.68 0.00	40.29 0.56 0.00	44.37 0.66 0.00	45.17 0.62 0.00	43.96 0.69 0.00	43.53 0.69 0.00	44.34 0.70 0.00	47.57 0.75 0.00	54.76 0.76 0.00	65.53 0.58 0.00	78.15 0.31 0.00	75.45 0.60 0.00	70.89 0.70 0.00	66.31 1.11 0.00	62.16 1.28 0.00	58.55 1.15 0.00
ALCOA___DSASP 323711	41.74 0.82 0.00	40.18 0.75 0.00	39.22 0.62 0.00	38.30 0.57 0.00	39.04 0.58 0.00	39.24 0.58 0.00	43.07 0.68 0.00	44.69 0.75 0.00	42.91 0.67 0.00	40.29 0.56 0.00	44.37 0.66 0.00	45.17 0.62 0.00	43.96 0.69 0.00	43.53 0.68 0.00	44.34 0.70 0.00	47.56 0.75 0.00	54.76 0.76 0.00	65.53 0.58 0.00	78.15 0.31 0.00	75.44 0.60 0.00	70.89 0.70 0.00	66.31 1.11 0.00	62.16 1.28 0.00	58.55 1.15 0.00
ALLEGHENY___COGEN 23514	40.76 -0.16 0.00	39.32 -0.12 0.00	38.49 -0.12 0.00	37.62 -0.11 0.00	38.46 0.00 0.00	38.81 0.16 0.00	41.97 -0.42 0.00	43.33 -0.62 0.00	41.14 -1.10 0.00	38.42 -1.31 0.00	41.71 -2.01 0.00	42.41 -2.14 0.00	40.93 -2.34 0.00	40.41 -2.44 0.00	41.20 -2.44 0.00	44.29 -2.53 0.00	51.03 -2.97 0.00	62.15 -2.79 0.00	76.13 -1.71 0.00	73.42 -1.42 0.00	69.06 -1.13 0.00	64.49 -0.72 0.00	60.39 -0.49 0.00	57.75 0.35 0.00
ALTAMONT_115KV_TB 2 55880	41.82 0.90 0.00	40.34 0.91 0.00	39.53 0.93 0.00	38.64 0.91 0.00	39.38 0.92 0.00	39.55 0.89 0.00	43.41 1.02 0.00	44.96 1.01 0.00	43.21 0.97 0.00	40.69 0.95 0.00	44.90 1.18 0.00	45.75 1.20 0.00	44.39 1.12 0.00	44.00 1.16 0.00	44.82 1.18 0.00	48.08 1.26 0.00	55.57 1.57 0.00	72.68 1.95 -5.78	85.12 2.26 -5.03	85.92 2.17 -8.90	76.41 2.11 -4.12	72.14 1.83 -5.12	62.53 1.64 0.00	58.89 1.49 0.00
ALTONA_WT_PWR 323606	40.97 0.04 0.00	39.40 -0.04 0.00	38.33 -0.27 0.00	37.17 -0.56 0.00	37.84 -0.62 0.00	38.20 -0.46 0.00	42.26 -0.13 0.00	44.08 0.13 0.00	42.36 0.13 0.00	39.61 -0.12 0.00	43.36 -0.35 0.00	43.88 -0.67 0.00	42.57 -0.69 0.00	42.16 -0.69 0.00	42.86 -0.78 0.00	45.83 -0.99 0.00	52.55 -1.46 0.00	62.67 -2.27 0.00	75.04 -2.80 0.00	72.30 -2.55 0.00	67.87 -2.31 0.00	63.57 -1.63 0.00	59.67 -1.22 0.00	56.25 -1.15 0.00
AMERICAN_REF_FUEL 24010	37.85 -3.07 0.00	36.52 -2.92 0.00	35.75 -2.86 0.00	34.94 -2.79 0.00	35.81 -2.65 0.00	36.11 -2.55 0.00	38.58 -3.82 0.00	39.86 -4.09 0.00	38.01 -4.22 0.00	35.76 -3.97 0.00	38.99 -4.72 0.00	39.78 -4.77 0.00	38.59 -4.67 0.00	38.35 -4.50 0.00	38.84 -4.80 0.00	41.62 -5.20 0.00	47.36 -6.64 0.00	56.50 -8.44 0.00	68.03 -9.81 0.00	64.89 -9.95 0.00	60.92 -9.27 0.00	57.31 -7.89 0.00	54.12 -6.76 0.00	52.46 -4.94 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	38.75 -2.17 0.00	37.43 -2.01 0.00	36.55 -2.05 0.00	35.69 -2.04 0.00	36.54 -1.92 0.00	36.96 -1.70 0.00	39.64 -2.75 0.00	40.92 -3.03 0.00	39.07 -3.17 0.00	36.87 -2.86 0.00	40.18 -3.54 0.00	40.94 -3.61 0.00	39.72 -3.55 0.00	39.42 -3.43 0.00	39.98 -3.67 0.00	42.88 -3.93 0.00	49.04 -4.97 0.00	58.71 -6.24 0.00	70.99 -6.85 0.00	67.89 -6.96 0.00	63.94 -6.25 0.00	60.24 -4.96 0.00	56.80 -4.08 0.00	54.99 -2.41 0.00
ARTHUR KILL_GT_1 23520	57.51 1.76 -14.83	56.77 1.50 -15.84	56.81 1.35 -16.85	39.26 1.32 -0.21	40.28 1.62 -0.21	40.37 1.51 -0.21	57.56 1.65 -13.52	57.56 1.89 -11.72	58.32 2.07 -14.02	58.73 2.10 -16.89	57.52 2.14 -11.66	58.33 2.18 -11.60	58.33 2.21 -12.85	58.37 2.18 -13.34	58.33 2.18 -12.50	58.38 1.92 -9.65	58.76 2.10 -2.66	69.73 3.38 -1.41	85.42 3.89 -3.69	87.83 3.96 -9.02	80.86 3.79 -6.88	72.69 2.87 -4.62	65.10 2.56 -1.66	61.77 2.13 -2.25
ARTHUR_KILL_2 23512	57.43 1.68 -14.83	56.69 1.42 -15.84	56.69 1.23 -16.85	39.15 1.21 -0.21	40.17 1.50 -0.21	40.26 1.39 -0.21	57.43 1.52 -13.52	57.43 1.76 -11.72	58.24 1.99 -14.02	58.65 2.03 -16.89	57.43 2.06 -11.66	58.24 2.09 -11.60	58.24 2.12 -12.85	58.24 2.06 -13.34	58.24 2.09 -12.50	58.24 1.78 -9.65	58.66 2.00 -2.66	69.53 3.18 -1.41	85.18 3.66 -3.69	87.61 3.74 -9.02	80.58 3.51 -6.88	72.50 2.67 -4.62	64.91 2.37 -1.66	61.60 1.95 -2.25
ARTHUR_KILL_3 23513	57.40 1.64 -14.84	56.82 1.54 -15.84	56.85 1.39 -16.86	39.35 1.40 -0.22	40.10 1.42 -0.22	40.31 1.43 -0.22	57.78 1.86 -13.52	57.61 1.93 -11.73	58.29 2.03 -14.03	58.70 2.06 -16.90	57.52 2.14 -11.67	58.29 2.14 -11.61	58.25 2.12 -12.86	58.29 2.10 -13.34	58.25 2.09 -12.51	58.58 2.11 -9.65	59.10 2.43 -2.67	69.15 2.79 -1.42	84.73 3.19 -3.70	87.03 3.14 -9.04	80.04 2.95 -6.90	72.18 2.34 -4.64	64.56 2.01 -1.67	61.38 1.72 -2.25



ARTHUR_KILL_COGEN 323718	57.51 1.76 -14.83	56.77 1.50 -15.84	56.81 1.35 -16.85	39.26 1.32 -0.21	40.28 1.62 -0.21	40.37 1.51 -0.21	57.56 1.65 -13.52	57.56 1.89 -11.72	58.32 2.07 -14.02	58.73 2.10 -16.89	57.52 2.14 -11.66	58.33 2.18 -11.60	58.33 2.21 -12.85	58.37 2.18 -13.34	58.33 2.18 -12.50	58.38 1.92 -9.65	58.76 2.10 -2.66	69.73 3.38 -1.41	85.42 3.89 -3.69	87.83 3.96 -9.02	80.86 3.79 -6.88	72.69 2.87 -4.62	65.10 2.56 -1.66	61.77 2.13 -2.25
ASHOKAN____ 23654	43.34 2.41 0.00	41.68 2.25 0.00	40.72 2.12 0.00	39.84 2.11 0.00	40.61 2.15 0.00	40.71 2.05 0.00	44.76 2.37 0.00	46.06 2.11 0.00	44.05 1.81 0.00	41.20 1.47 0.00	45.29 1.57 0.00	46.19 1.65 0.00	44.74 1.47 0.00	44.39 1.54 0.00	45.26 1.62 0.00	48.59 1.78 0.00	56.76 2.75 0.00	69.84 0.98 -3.91	82.72 1.48 -3.40	82.60 1.72 -6.03	74.45 1.48 -2.79	69.70 1.04 -3.46	64.66 3.78 0.00	60.79 3.39 0.00
ASTORIA_EAST_ENERGY_CC1 323581	42.73 1.80 -0.01	40.97 1.54 0.00	39.95 1.35 0.00	39.05 1.32 0.00	39.88 1.42 0.00	40.00 1.35 0.01	44.08 1.70 0.01	45.78 1.85 0.01	44.25 2.03 0.01	41.79 2.06 0.01	45.85 2.14 0.01	46.68 2.14 0.01	45.42 2.16 0.01	44.98 2.14 0.01	45.77 2.14 0.01	48.87 2.06 0.01	56.32 2.32 0.01	69.34 2.99 -1.41	85.03 3.51 -3.69	87.39 3.52 -9.02	80.44 3.37 -6.88	72.30 2.48 -4.62	64.74 2.19 -1.67	59.30 1.89 -0.01
ASTORIA_EAST_ENERGY_CC2 323582	42.73 1.80 -0.01	40.97 1.54 0.00	39.95 1.35 0.00	39.05 1.32 0.00	39.88 1.42 0.00	40.00 1.35 0.01	44.08 1.70 0.01	45.78 1.85 0.01	44.25 2.03 0.01	41.79 2.06 0.01	45.85 2.14 0.01	46.68 2.14 0.01	45.42 2.16 0.01	44.98 2.14 0.01	45.77 2.14 0.01	48.87 2.06 0.01	56.32 2.32 0.01	69.34 2.99 -1.41	85.03 3.51 -3.69	87.39 3.52 -9.02	80.44 3.37 -6.88	72.30 2.48 -4.62	64.74 2.19 -1.67	59.30 1.89 -0.01
ASTORIA_GT2_1 24094	42.81 1.88 -0.01	41.13 1.70 0.00	40.11 1.51 0.00	39.13 1.40 0.00	39.92 1.46 0.00	40.05 1.39 0.00	44.26 1.87 0.00	45.88 1.93 0.00	44.35 2.11 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.55 2.29 0.01	45.11 2.27 0.01	45.91 2.27 0.00	49.02 2.20 0.00	56.43 2.43 0.00	69.41 3.05 -1.42	85.11 3.58 -3.69	87.47 3.59 -9.03	80.44 3.37 -6.89	72.38 2.54 -4.63	64.68 2.13 -1.67	59.59 2.18 -0.01
ASTORIA_GT2_2 24095	42.81 1.88 -0.01	41.13 1.70 0.00	40.11 1.51 0.00	39.13 1.40 0.00	39.92 1.46 0.00	40.05 1.39 0.00	44.26 1.87 0.00	45.88 1.93 0.00	44.35 2.11 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.55 2.29 0.01	45.11 2.27 0.01	45.91 2.27 0.00	49.02 2.20 0.00	56.43 2.43 0.00	69.41 3.05 -1.42	85.11 3.58 -3.69	87.47 3.59 -9.03	80.44 3.37 -6.89	72.38 2.54 -4.63	64.68 2.13 -1.67	59.59 2.18 -0.01
ASTORIA_GT2_3 24096	42.81 1.88 -0.01	41.13 1.70 0.00	40.11 1.51 0.00	39.13 1.40 0.00	39.92 1.46 0.00	40.05 1.39 0.00	44.26 1.87 0.00	45.88 1.93 0.00	44.35 2.11 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.55 2.29 0.01	45.11 2.27 0.01	45.91 2.27 0.00	49.02 2.20 0.00	56.43 2.43 0.00	69.41 3.05 -1.42	85.11 3.58 -3.69	87.47 3.59 -9.03	80.44 3.37 -6.89	72.38 2.54 -4.63	64.68 2.13 -1.67	59.59 2.18 -0.01
ASTORIA_GT2_4 24097	42.81 1.88 -0.01	41.13 1.70 0.00	40.11 1.51 0.00	39.13 1.40 0.00	39.92 1.46 0.00	40.05 1.39 0.00	44.26 1.87 0.00	45.88 1.93 0.00	44.35 2.11 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.55 2.29 0.01	45.11 2.27 0.01	45.91 2.27 0.00	49.02 2.20 0.00	56.43 2.43 0.00	69.41 3.05 -1.42	85.11 3.58 -3.69	87.47 3.59 -9.03	80.44 3.37 -6.89	72.38 2.54 -4.63	64.68 2.13 -1.67	59.59 2.18 -0.01
ASTORIA_GT3_1 24098	42.81 1.88 -0.01	41.13 1.70 0.00	40.11 1.51 0.00	39.13 1.40 0.00	39.92 1.46 0.00	40.05 1.39 0.00	44.26 1.87 0.00	45.88 1.93 0.00	44.35 2.11 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.55 2.29 0.01	45.11 2.27 0.01	45.91 2.27 0.00	49.02 2.20 0.00	56.43 2.43 0.00	69.41 3.05 -1.42	85.11 3.58 -3.69	87.47 3.59 -9.03	80.44 3.37 -6.89	72.38 2.54 -4.63	64.68 2.13 -1.67	59.59 2.18 -0.01
ASTORIA_GT3_2 24099	42.81 1.88 -0.01	41.13 1.70 0.00	40.11 1.51 0.00	39.13 1.40 0.00	39.92 1.46 0.00	40.05 1.39 0.00	44.26 1.87 0.00	45.88 1.93 0.00	44.35 2.11 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.55 2.29 0.01	45.11 2.27 0.01	45.91 2.27 0.00	49.02 2.20 0.00	56.43 2.43 0.00	69.41 3.05 -1.42	85.11 3.58 -3.69	87.47 3.59 -9.03	80.44 3.37 -6.89	72.38 2.54 -4.63	64.68 2.13 -1.67	59.59 2.18 -0.01
ASTORIA_GT3_3 24100	42.81 1.88 -0.01	41.13 1.70 0.00	40.11 1.51 0.00	39.13 1.40 0.00	39.92 1.46 0.00	40.05 1.39 0.00	44.26 1.87 0.00	45.88 1.93 0.00	44.35 2.11 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.55 2.29 0.01	45.11 2.27 0.01	45.91 2.27 0.00	49.02 2.20 0.00	56.43 2.43 0.00	69.41 3.05 -1.42	85.11 3.58 -3.69	87.47 3.59 -9.03	80.44 3.37 -6.89	72.38 2.54 -4.63	64.68 2.13 -1.67	59.59 2.18 -0.01
ASTORIA_GT3_4 24101	42.81 1.88 -0.01	41.13 1.70 0.00	40.11 1.51 0.00	39.13 1.40 0.00	39.92 1.46 0.00	40.05 1.39 0.00	44.26 1.87 0.00	45.88 1.93 0.00	44.35 2.11 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.55 2.29 0.01	45.11 2.27 0.01	45.91 2.27 0.00	49.02 2.20 0.00	56.43 2.43 0.00	69.41 3.05 -1.42	85.11 3.58 -3.69	87.47 3.59 -9.03	80.44 3.37 -6.89	72.38 2.54 -4.63	64.68 2.13 -1.67	59.59 2.18 -0.01
ASTORIA_GT4_1 24102	42.81 1.88 -0.01	41.13 1.70 0.00	40.11 1.51 0.00	39.13 1.40 0.00	39.92 1.46 0.00	40.05 1.39 0.00	44.26 1.87 0.00	45.88 1.93 0.00	44.35 2.11 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.55 2.29 0.01	45.11 2.27 0.01	45.91 2.27 0.00	49.02 2.20 0.00	56.43 2.43 0.00	69.41 3.05 -1.42	85.11 3.58 -3.69	87.47 3.59 -9.03	80.44 3.37 -6.89	72.38 2.54 -4.63	64.68 2.13 -1.67	59.59 2.18 -0.01
ASTORIA_GT4_2 24103	42.81 1.88 -0.01	41.13 1.70 0.00	40.11 1.51 0.00	39.13 1.40 0.00	39.92 1.46 0.00	40.05 1.39 0.00	44.26 1.87 0.00	45.88 1.93 0.00	44.35 2.11 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.55 2.29 0.01	45.11 2.27 0.01	45.91 2.27 0.00	49.02 2.20 0.00	56.43 2.43 0.00	69.41 3.05 -1.42	85.11 3.58 -3.69	87.47 3.59 -9.03	80.44 3.37 -6.89	72.38 2.54 -4.63	64.68 2.13 -1.67	59.59 2.18 -0.01
ASTORIA_GT4_3 24104	42.81 1.88 -0.01	41.13 1.70 0.00	40.11 1.51 0.00	39.13 1.40 0.00	39.92 1.46 0.00	40.05 1.39 0.00	44.26 1.87 0.00	45.88 1.93 0.00	44.35 2.11 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.55 2.29 0.01	45.11 2.27 0.01	45.91 2.27 0.00	49.02 2.20 0.00	56.43 2.43 0.00	69.41 3.05 -1.42	85.11 3.58 -3.69	87.47 3.59 -9.03	80.44 3.37 -6.89	72.38 2.54 -4.63	64.68 2.13 -1.67	59.59 2.18 -0.01



ASTORIA_GT4_4 24105	42.81 1.88 -0.01	41.13 1.70 0.00	40.11 1.51 0.00	39.13 1.40 0.00	39.92 1.46 0.00	40.05 1.39 0.00	44.26 1.87 0.00	45.88 1.93 0.00	44.35 2.11 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.55 2.29 0.01	45.11 2.27 0.01	45.91 2.27 0.00	49.02 2.20 0.00	56.43 2.43 0.00	69.41 3.05 -1.42	85.11 3.58 -3.69	87.47 3.59 -9.03	80.44 3.37 -6.89	72.38 2.54 -4.63	64.68 2.13 -1.67	59.59 2.18 -0.01
ASTORIA_GT_1 23523	42.82 1.88 -0.01	41.05 1.62 0.00	40.03 1.43 0.00	39.13 1.40 0.00	39.96 1.50 0.00	40.08 1.43 0.01	44.16 1.78 0.01	45.87 1.93 0.01	44.34 2.11 0.01	41.87 2.14 0.01	45.94 2.23 0.01	46.76 2.23 0.01	45.51 2.25 0.01	45.07 2.23 0.01	45.86 2.22 0.01	48.96 2.15 0.01	56.43 2.43 0.01	69.53 3.18 -1.41	85.26 3.74 -3.69	87.61 3.74 -9.02	80.58 3.51 -6.88	72.50 2.67 -4.62	64.86 2.31 -1.67	59.47 2.06 -0.01
ASTORIA_GT_10 24110	42.98 2.05 -0.01	41.33 1.89 0.00	40.34 1.74 0.00	39.39 1.66 0.00	40.19 1.73 0.00	40.32 1.66 0.00	44.55 2.16 0.00	46.10 2.15 0.00	44.56 2.32 0.00	42.08 2.34 0.00	46.21 2.49 0.00	47.08 2.54 0.00	46.13 2.55 -0.31	45.82 2.49 -0.48	46.13 2.49 0.00	49.25 2.43 0.00	56.76 2.75 0.00	69.74 3.38 -1.42	85.50 3.97 -3.69	87.84 3.97 -9.03	80.87 3.79 -6.89	72.77 2.93 -4.63	65.05 2.50 -1.67	59.82 2.41 -0.01
ASTORIA_GT_11 24225	42.98 2.05 -0.01	41.33 1.89 0.00	40.34 1.74 0.00	39.39 1.66 0.00	40.19 1.73 0.00	40.32 1.66 0.00	44.55 2.16 0.00	46.10 2.15 0.00	44.56 2.32 0.00	42.08 2.34 0.00	46.21 2.49 0.00	47.08 2.54 0.00	46.13 2.55 -0.31	45.82 2.49 -0.48	46.13 2.49 0.00	49.25 2.43 0.00	56.76 2.75 0.00	69.74 3.38 -1.42	85.50 3.97 -3.69	87.84 3.97 -9.03	80.87 3.79 -6.89	72.77 2.93 -4.63	65.05 2.50 -1.67	59.82 2.41 -0.01
ASTORIA_GT_12 24226	42.98 2.05 -0.01	41.33 1.89 0.00	40.34 1.74 0.00	39.39 1.66 0.00	40.19 1.73 0.00	40.32 1.66 0.00	44.55 2.16 0.00	46.10 2.15 0.00	44.56 2.32 0.00	42.08 2.34 0.00	46.21 2.49 0.00	47.08 2.54 0.00	46.13 2.55 -0.31	45.82 2.49 -0.48	46.13 2.49 0.00	49.25 2.43 0.00	56.76 2.75 0.00	69.74 3.38 -1.42	85.50 3.97 -3.69	87.84 3.97 -9.03	80.87 3.79 -6.89	72.77 2.93 -4.63	65.05 2.50 -1.67	59.82 2.41 -0.01
ASTORIA_GT_13 24227	42.98 2.05 -0.01	41.33 1.89 0.00	40.34 1.74 0.00	39.39 1.66 0.00	40.19 1.73 0.00	40.32 1.66 0.00	44.55 2.16 0.00	46.10 2.15 0.00	44.56 2.32 0.00	42.08 2.34 0.00	46.21 2.49 0.00	47.08 2.54 0.00	46.13 2.55 -0.31	45.82 2.49 -0.48	46.13 2.49 0.00	49.25 2.43 0.00	56.76 2.75 0.00	69.74 3.38 -1.42	85.50 3.97 -3.69	87.84 3.97 -9.03	80.87 3.79 -6.89	72.77 2.93 -4.63	65.05 2.50 -1.67	59.82 2.41 -0.01
ASTORIA_GT_5 24106	42.86 1.92 -0.01	41.17 1.74 0.00	40.18 1.58 0.00	39.20 1.47 0.00	39.96 1.50 0.00	40.09 1.43 0.00	44.34 1.95 0.00	45.92 1.98 0.00	44.43 2.20 0.00	41.92 2.19 0.00	46.03 2.32 0.00	46.95 2.41 0.00	45.64 2.38 0.01	45.15 2.31 0.01	45.96 2.31 0.00	49.11 2.29 0.00	56.54 2.54 0.00	69.54 3.18 -1.42	85.27 3.74 -3.69	87.62 3.74 -9.03	80.59 3.51 -6.89	72.51 2.67 -4.63	64.80 2.25 -1.67	59.71 2.30 -0.01
ASTORIA_GT_7 24107	42.86 1.92 -0.01	41.17 1.74 0.00	40.18 1.58 0.00	39.20 1.47 0.00	39.96 1.50 0.00	40.09 1.43 0.00	44.34 1.95 0.00	45.92 1.98 0.00	44.43 2.20 0.00	41.92 2.19 0.00	46.03 2.32 0.00	46.95 2.41 0.00	45.64 2.38 0.01	45.15 2.31 0.01	45.96 2.31 0.00	49.11 2.29 0.00	56.54 2.54 0.00	69.54 3.18 -1.42	85.27 3.74 -3.69	87.62 3.74 -9.03	80.59 3.51 -6.89	72.51 2.67 -4.63	64.80 2.25 -1.67	59.71 2.30 -0.01
ASTORIA_GT_8 24108	42.86 1.92 -0.01	41.17 1.74 0.00	40.18 1.58 0.00	39.20 1.47 0.00	39.96 1.50 0.00	40.09 1.43 0.00	44.34 1.95 0.00	45.92 1.98 0.00	44.43 2.20 0.00	41.92 2.19 0.00	46.03 2.32 0.00	46.95 2.41 0.00	45.64 2.38 0.01	45.15 2.31 0.01	45.96 2.31 0.00	49.11 2.29 0.00	56.54 2.54 0.00	69.54 3.18 -1.42	85.27 3.74 -3.69	87.62 3.74 -9.03	80.59 3.51 -6.89	72.51 2.67 -4.63	64.80 2.25 -1.67	59.71 2.30 -0.01
ASTORIA___2 24149	42.78 1.84 -0.01	40.97 1.54 0.00	39.95 1.35 0.00	39.05 1.32 0.00	39.88 1.42 0.00	40.04 1.39 0.01	44.12 1.74 0.01	45.78 1.85 0.01	44.25 2.03 0.01	41.79 2.06 0.01	45.85 2.14 0.01	46.72 2.18 0.01	45.42 2.16 0.01	44.98 2.14 0.01	45.77 2.14 0.01	48.92 2.11 0.01	56.37 2.37 0.01	69.41 3.05 -1.41	85.11 3.58 -3.69	87.46 3.59 -9.02	80.44 3.37 -6.88	72.37 2.54 -4.62	64.74 2.19 -1.67	59.36 1.95 -0.01
ASTORIA___3 23516	42.90 1.96 -0.01	41.17 1.73 0.00	40.19 1.58 0.00	39.32 1.58 0.00	40.15 1.69 0.00	40.32 1.66 0.00	44.38 1.99 0.00	46.06 2.11 0.00	44.51 2.28 0.00	42.00 2.26 0.00	46.07 2.36 0.00	46.95 2.40 0.00	46.00 2.42 -0.31	45.69 2.36 -0.48	46.00 2.36 0.00	49.16 2.34 0.00	56.65 2.65 0.00	69.74 3.38 -1.42	85.50 3.97 -3.69	87.84 3.96 -9.03	80.86 3.79 -6.89	72.77 2.94 -4.63	65.11 2.56 -1.67	59.65 2.24 -0.01
ASTORIA___4 23517	42.98 2.05 -0.01	41.33 1.89 0.00	40.34 1.74 0.00	39.39 1.66 0.00	40.19 1.73 0.00	40.32 1.66 0.00	44.55 2.16 0.00	46.10 2.15 0.00	44.56 2.32 0.00	42.08 2.34 0.00	46.21 2.49 0.00	47.08 2.54 0.00	46.13 2.55 -0.31	45.82 2.49 -0.48	46.13 2.49 0.00	49.25 2.43 0.00	56.76 2.75 0.00	69.74 3.38 -1.42	85.50 3.97 -3.69	87.84 3.97 -9.03	80.87 3.79 -6.89	72.77 2.93 -4.63	65.05 2.50 -1.67	59.82 2.41 -0.01
ASTORIA___5 23518	42.90 1.96 -0.01	41.17 1.73 0.00	40.19 1.58 0.00	39.32 1.58 0.00	40.15 1.69 0.00	40.32 1.66 0.00	44.38 1.99 0.00	46.06 2.11 0.00	44.51 2.28 0.00	42.00 2.26 0.00	46.07 2.36 0.00	46.95 2.40 0.00	46.00 2.42 -0.31	45.69 2.36 -0.48	46.00 2.36 0.00	49.16 2.34 0.00	56.65 2.65 0.00	69.74 3.38 -1.42	85.50 3.97 -3.69	87.84 3.96 -9.03	80.86 3.79 -6.89	72.77 2.94 -4.63	65.11 2.56 -1.67	59.65 2.24 -0.01
AST_ENERGY_2_CC3 323677	42.72 1.80 0.00	41.13 1.69 0.00	40.15 1.55 0.00	39.28 1.55 0.00	40.04 1.58 0.00	40.24 1.59 0.00	44.38 1.99 0.00	46.01 2.07 0.00	44.39 2.15 0.00	41.92 2.18 0.00	45.99 2.27 0.00	46.82 2.27 0.00	45.52 2.25 0.00	45.07 2.23 0.00	45.87 2.22 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.41 3.05 -1.42	85.04 3.51 -3.70	87.34 3.44 -9.04	80.32 3.23 -6.90	72.45 2.61 -4.64	64.87 2.31 -1.67	59.35 1.95 0.00
AST_ENERGY_2_CC4 323678	42.72 1.80 0.00	41.13 1.69 0.00	40.15 1.55 0.00	39.28 1.55 0.00	40.04 1.58 0.00	40.24 1.59 0.00	44.38 1.99 0.00	46.01 2.07 0.00	44.39 2.15 0.00	41.92 2.18 0.00	45.99 2.27 0.00	46.82 2.27 0.00	45.52 2.25 0.00	45.07 2.23 0.00	45.87 2.22 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.41 3.05 -1.42	85.04 3.51 -3.70	87.34 3.44 -9.04	80.32 3.23 -6.90	72.45 2.61 -4.64	64.87 2.31 -1.67	59.35 1.95 0.00



ATHENS_STG_1 23668	42.03	40.54	39.68	38.83	39.58	39.70	43.66	45.22	43.50	41.00	45.11	45.97	44.65	44.22	45.04	48.27	55.73	68.16	81.27	78.97	73.27	68.11	62.58	58.84
	1.11	1.10	1.08	1.09	1.12	1.04	1.27	1.28	1.27	1.27	1.40	1.43	1.38	1.37	1.40	1.45	1.73	2.14	2.49	2.47	2.31	1.95	1.70	1.44
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.08	-0.94	-1.66	-0.77	-0.95	0.00	0.00
ATHENS_STG_2 23670	42.03	40.54	39.68	38.83	39.58	39.70	43.66	45.22	43.50	41.00	45.11	45.97	44.65	44.22	45.04	48.27	55.73	68.16	81.27	78.97	73.27	68.11	62.58	58.84
	1.11	1.10	1.08	1.09	1.12	1.04	1.27	1.28	1.27	1.27	1.40	1.43	1.38	1.37	1.40	1.45	1.73	2.14	2.49	2.47	2.31	1.95	1.70	1.44
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.08	-0.94	-1.66	-0.77	-0.95	0.00	0.00
ATHENS_STG_3 23677	42.03	40.54	39.68	38.83	39.58	39.70	43.66	45.22	43.50	41.00	45.11	45.97	44.65	44.22	45.04	48.27	55.73	68.16	81.27	78.97	73.27	68.11	62.58	58.84
	1.11	1.10	1.08	1.09	1.12	1.04	1.27	1.28	1.27	1.27	1.40	1.43	1.38	1.37	1.40	1.45	1.73	2.14	2.49	2.47	2.31	1.95	1.70	1.44
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.08	-0.94	-1.66	-0.77	-0.95	0.00	0.00
AUBURN___LFGE 323710	40.51	39.00	38.18	37.36	38.11	38.35	41.97	43.60	41.85	39.37	43.23	44.06	42.75	42.33	43.16	46.44	53.52	64.49	77.53	74.25	69.62	64.61	60.33	57.06
	-0.41	-0.43	-0.42	-0.38	-0.35	-0.31	-0.42	-0.35	-0.38	-0.36	-0.48	-0.49	-0.52	-0.51	-0.48	-0.37	-0.49	-0.45	-0.31	-0.60	-0.56	-0.59	-0.55	-0.34
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BABYLON_RES_REC 323704	45.92	44.11	40.80	39.96	40.85	43.83	45.43	46.94	47.13	42.39	46.64	47.40	46.08	45.72	46.65	53.61	65.36	91.59	99.65	95.04	81.98	78.96	71.95	67.09
	2.70	2.56	2.20	2.23	2.39	2.48	2.88	2.99	3.00	2.66	2.93	2.85	2.81	2.87	3.01	3.14	3.72	4.61	5.45	5.31	4.84	4.30	3.78	3.39
	-2.30	-2.11	0.00	0.00	0.00	-2.69	-0.16	0.00	-1.89	0.00	0.00	0.00	0.00	0.00	0.00	-3.66	-7.64	-22.03	-16.36	-14.88	-6.95	-9.45	-7.29	-6.30
BABYLON__69_KV_BK2 356345	46.25	44.47	41.15	40.30	41.23	44.21	45.85	47.29	47.51	42.75	46.99	47.75	46.43	46.06	47.01	54.03	65.85	92.43	100.66	95.94	82.83	79.74	72.68	67.78
	3.03	2.92	2.55	2.57	2.77	2.86	3.31	3.34	3.38	3.02	3.28	3.21	3.16	3.21	3.36	3.56	4.21	5.46	6.46	6.21	5.69	5.09	4.51	4.08
	-2.30	-2.11	0.00	0.00	0.00	-2.69	-0.16	0.00	-1.89	0.00	0.00	0.00	0.00	0.00	0.00	-3.66	-7.64	-22.03	-16.36	-14.88	-6.95	-9.45	-7.29	-6.30
BALL_HILL_WT_PWR 323825	39.12	37.78	36.98	36.15	37.00	37.34	40.02	41.31	39.45	37.15	40.48	41.25	40.02	39.72	40.29	43.16	49.36	59.10	71.22	68.11	64.01	60.12	56.62	54.76
	-1.80	-1.65	-1.62	-1.58	-1.46	-1.31	-2.37	-2.64	-2.79	-2.58	-3.23	-3.30	-3.25	-3.13	-3.36	-3.65	-4.64	-5.84	-6.62	-6.74	-6.18	-5.09	-4.26	-2.64
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BARON_WINDS___WT_PWR 323822	39.45	38.17	37.41	36.52	37.31	37.58	40.61	41.97	40.00	37.62	41.05	41.74	40.41	39.98	40.68	43.72	50.33	61.17	73.66	70.87	66.25	61.96	57.78	55.39
	-1.47	-1.26	-1.20	-1.21	-1.15	-1.08	-1.78	-1.98	-2.24	-2.11	-2.67	-2.80	-2.86	-2.87	-2.97	-3.09	-3.67	-4.16	-4.52	-4.57	-4.21	-3.59	-3.10	-2.01
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.38	-0.33	-0.59	-0.27	-0.34	0.00	0.00
BARRETT_IC_1 23704	45.60	43.79	40.57	39.73	40.57	43.51	45.13	46.58	46.83	42.20	46.43	47.22	45.91	45.50	46.40	53.38	64.77	90.81	98.72	94.07	81.14	78.11	71.15	66.29
	2.37	2.25	1.97	2.00	2.11	2.16	2.59	2.64	2.71	2.46	2.71	2.67	2.64	2.66	2.75	2.90	3.13	3.83	4.51	4.34	4.00	3.45	2.98	2.59
	-2.30	-2.11	0.00	0.00	0.00	-2.69	-0.16	0.00	-1.89	0.00	0.00	0.00	0.00	0.00	0.00	-3.66	-7.64	-22.03	-16.36	-14.88	-6.95	-9.45	-7.29	-6.30
BARRETT_IC_10 23701	45.60	43.79	40.57	39.73	40.57	43.51	45.13	46.58	46.83	42.20	46.43	47.22	45.91	45.50	46.40	53.38	64.77	90.81	98.72	94.07	81.14	78.11	71.15	66.29
	2.37	2.25	1.97	2.00	2.11	2.16	2.59	2.64	2.71	2.46	2.71	2.67	2.64	2.66	2.75	2.90	3.13	3.83	4.51	4.34	4.00	3.45	2.98	2.59
	-2.30	-2.11	0.00	0.00	0.00	-2.69	-0.16	0.00	-1.89	0.00	0.00	0.00	0.00	0.00	0.00	-3.66	-7.64	-22.03	-16.36	-14.88	-6.95	-9.45	-7.29	-6.30
BARRETT_IC_11 23702	45.60	43.79	40.57	39.73	40.57	43.51	45.13	46.58	46.83	42.20	46.43	47.22	45.91	45.50	46.40	53.38	64.77	90.81	98.72	94.07	81.14	78.11	71.15	66.29
	2.37	2.25	1.97	2.00	2.11	2.16	2.59	2.64	2.71	2.46	2.71	2.67	2.64	2.66	2.75	2.90	3.13	3.83	4.51	4.34	4.00	3.45	2.98	2.59
	-2.30	-2.11	0.00	0.00	0.00	-2.69	-0.16	0.00	-1.89	0.00	0.00	0.00	0.00	0.00	0.00	-3.66	-7.64	-22.03	-16.36	-14.88	-6.95	-9.45	-7.29	-6.30
BARRETT_IC_12 23703	45.60	43.79	40.57	39.73	40.57	43.51	45.13	46.58	46.83	42.20	46.43	47.22	45.91	45.50	46.40	53.38	64.77	90.81	98.72	94.07	81.14	78.11	71.15	66.29
	2.37	2.25	1.97	2.00	2.11	2.16	2.59	2.64	2.71	2.46	2.71	2.67	2.64	2.66	2.75	2.90	3.13	3.83	4.51	4.34	4.00	3.45	2.98	2.59
	-2.30	-2.11	0.00	0.00	0.00	-2.69	-0.16	0.00	-1.89	0.00	0.00	0.00	0.00	0.00	0.00	-3.66	-7.64	-22.03	-16.36	-14.88	-6.95	-9.45	-7.29	-6.30
BARRETT_IC_2 23705	45.60	43.79	40.57	39.73	40.57	43.51	45.13	46.58	46.83	42.20	46.43	47.22	45.91	45.50	46.40	53.38	64.77	90.81	98.72	94.07	81.14	78.11	71.15	66.29
	2.37	2.25	1.97	2.00	2.11	2.16	2.59	2.64	2.71	2.46	2.71	2.67	2.64	2.66	2.75	2.90	3.13	3.83	4.51	4.34	4.00	3.45	2.98	2.59
	-2.30	-2.11	0.00	0.00	0.00	-2.69	-0.16	0.00	-1.89	0.00	0.00	0.00	0.00	0.00	0.00	-3.66	-7.64	-22.03	-16.36	-14.88	-6.95	-9.45	-7.29	-6.30
BARRETT_IC_3 23706	45.60	43.79	40.57	39.73	40.57	43.51	45.13	46.58	46.83	42.20	46.43	47.22	45.91	45.50	46.40	53.38	64.77	90.81	98.72	94.07	81.14	78.11	71.15	66.29
	2.37	2.25	1.97	2.00	2.11	2.16	2.59	2.64	2.71	2.46	2.71	2.67	2.64	2.66	2.75	2.90	3.13	3.83	4.51	4.34	4.00	3.45	2.98	2.59
	-2.30	-2.11	0.00	0.00	0.00	-2.69	-0.16	0.00	-1.89	0.00	0.00	0.00	0.00	0.00	0.00	-3.66	-7.64	-22.03	-16.36	-14.88	-6.95	-9.45	-7.29	-6.30
BARRETT_IC_4 23707	45.60	43.79	40.57	39.73	40.57	43.51	45.13	46.58	46.83	42.20	46.43	47.22	45.91	45.50	46.40	53.38	64.77	90.81	98.72	94.07	81.14	78.11	71.15	66.29
	2.37	2.25	1.97	2.00	2.11	2.16	2.59	2.64	2.71	2.46	2.71	2.67	2.64	2.66	2.75	2.90	3.13	3.83	4.51	4.34	4.00	3.45	2.98	2.59
	-2.30	-2.11	0.00	0.00	0.00	-2.69	-0.16	0.00	-1.89	0.00	0.00	0.00	0.00	0.00	0.00	-3.66	-7.64	-22.03	-16.36	-14.88	-6.95	-9.45	-7.29	-6.30



BARRETT_IC_5 23708	45.60 2.37 -2.30	43.79 2.25 -2.11	40.57 1.97 0.00	39.73 2.00 0.00	40.57 2.11 0.00	43.51 2.16 -2.69	45.13 2.59 -0.16	46.58 2.64 0.00	46.83 2.71 -1.89	42.20 2.46 0.00	46.43 2.71 0.00	47.22 2.67 0.00	45.91 2.64 0.00	45.50 2.66 0.00	46.40 2.75 0.00	53.38 2.90 -3.66	64.77 3.13 -7.64	90.81 3.83 -22.03	98.72 4.51 -16.36	94.07 4.34 -14.88	81.14 4.00 -6.95	78.11 3.45 -9.45	71.15 2.98 -7.29	66.29 2.59 -6.30
BARRETT_IC_6 23709	45.60 2.37 -2.30	43.79 2.25 -2.11	40.57 1.97 0.00	39.73 2.00 0.00	40.57 2.11 0.00	43.51 2.16 -2.69	45.13 2.59 -0.16	46.58 2.64 0.00	46.83 2.71 -1.89	42.20 2.46 0.00	46.43 2.71 0.00	47.22 2.67 0.00	45.91 2.64 0.00	45.50 2.66 0.00	46.40 2.75 0.00	53.38 2.90 -3.66	64.77 3.13 -7.64	90.81 3.83 -22.03	98.72 4.51 -16.36	94.07 4.34 -14.88	81.14 4.00 -6.95	78.11 3.45 -9.45	71.15 2.98 -7.29	66.29 2.59 -6.30
BARRETT_IC_7 23710	45.56 2.33 -2.30	43.80 2.25 -2.11	40.57 1.97 0.00	39.73 2.00 0.00	40.58 2.12 0.00	43.51 2.16 -2.69	45.13 2.59 -0.16	46.50 2.55 0.00	46.79 2.66 -1.89	42.20 2.46 0.00	46.38 2.67 0.00	47.22 2.67 0.00	45.91 2.64 0.00	45.50 2.66 0.00	46.35 2.71 0.00	53.29 2.81 -3.66	64.66 3.02 -7.64	90.81 3.83 -22.03	98.72 4.51 -16.36	94.07 4.34 -14.88	81.14 4.00 -6.95	78.11 3.46 -9.45	71.09 2.92 -7.29	66.29 2.58 -6.30
BARRETT_IC_8 23711	45.60 2.37 -2.30	43.79 2.25 -2.11	40.57 1.97 0.00	39.73 2.00 0.00	40.57 2.11 0.00	43.51 2.16 -2.69	45.13 2.59 -0.16	46.58 2.64 0.00	46.83 2.71 -1.89	42.20 2.46 0.00	46.43 2.71 0.00	47.22 2.67 0.00	45.91 2.64 0.00	45.50 2.66 0.00	46.40 2.75 0.00	53.38 2.90 -3.66	64.77 3.13 -7.64	90.81 3.83 -22.03	98.72 4.51 -16.36	94.07 4.34 -14.88	81.14 4.00 -6.95	78.11 3.45 -9.45	71.15 2.98 -7.29	66.29 2.59 -6.30
BARRETT_IC_9 23700	45.60 2.37 -2.30	43.79 2.25 -2.11	40.57 1.97 0.00	39.73 2.00 0.00	40.57 2.11 0.00	43.51 2.16 -2.69	45.13 2.59 -0.16	46.58 2.64 0.00	46.83 2.71 -1.89	42.20 2.46 0.00	46.43 2.71 0.00	47.22 2.67 0.00	45.91 2.64 0.00	45.50 2.66 0.00	46.40 2.75 0.00	53.38 2.90 -3.66	64.77 3.13 -7.64	90.81 3.83 -22.03	98.72 4.51 -16.36	94.07 4.34 -14.88	81.14 4.00 -6.95	78.11 3.45 -9.45	71.15 2.98 -7.29	66.29 2.59 -6.30
BARRETT___1 23545	45.60 2.37 -2.30	43.79 2.25 -2.11	40.57 1.97 0.00	39.73 2.00 0.00	40.57 2.11 0.00	43.51 2.16 -2.69	45.13 2.59 -0.16	46.58 2.64 0.00	46.83 2.71 -1.89	42.20 2.46 0.00	46.43 2.71 0.00	47.22 2.67 0.00	45.91 2.64 0.00	45.50 2.66 0.00	46.40 2.75 0.00	53.38 2.90 -3.66	64.77 3.13 -7.64	90.81 3.83 -22.03	98.72 4.51 -16.36	94.07 4.34 -14.88	81.14 4.00 -6.95	78.11 3.45 -9.45	71.15 2.98 -7.29	66.29 2.59 -6.30
BARRETT___2 23546	45.60 2.37 -2.30	43.79 2.25 -2.11	40.57 1.97 0.00	39.73 2.00 0.00	40.57 2.11 0.00	43.51 2.16 -2.69	45.13 2.59 -0.16	46.58 2.64 0.00	46.83 2.71 -1.89	42.20 2.46 0.00	46.43 2.71 0.00	47.22 2.67 0.00	45.91 2.64 0.00	45.50 2.66 0.00	46.40 2.75 0.00	53.38 2.90 -3.66	64.77 3.13 -7.64	90.81 3.83 -22.03	98.72 4.51 -16.36	94.07 4.34 -14.88	81.14 4.00 -6.95	78.11 3.45 -9.45	71.15 2.98 -7.29	66.29 2.59 -6.30
BATAVIA__115KV_TB1 55881	39.49 -1.43 0.00	38.02 -1.42 0.00	37.17 -1.43 0.00	36.37 -1.36 0.00	37.23 -1.23 0.00	37.58 -1.08 0.00	40.31 -2.08 0.00	42.01 -1.93 0.00	40.00 -2.24 0.00	37.51 -2.22 0.00	40.96 -2.75 0.00	41.78 -2.76 0.00	40.41 -2.86 0.00	40.15 -2.70 0.00	40.81 -2.84 0.00	43.91 -2.90 0.00	50.22 -3.78 0.00	59.81 -5.13 0.00	72.39 -5.45 0.00	69.16 -5.69 0.00	64.78 -5.40 0.00	60.83 -4.37 0.00	57.35 -3.53 0.00	55.16 -2.24 0.00
BAYONEEC___CTG1 323682	42.68 1.76 0.00	41.09 1.66 0.00	40.11 1.50 0.00	39.24 1.51 0.00	40.00 1.54 0.00	40.21 1.55 0.00	44.34 1.95 0.00	46.01 2.07 0.00	44.39 2.15 0.00	41.92 2.18 0.00	45.99 2.27 0.00	46.82 2.27 0.00	45.52 2.25 0.00	45.07 2.23 0.00	45.87 2.22 0.00	49.06 2.25 0.00	56.59 2.59 0.00	69.48 3.12 -1.42	77.29 3.58 4.13	75.59 3.52 2.78	74.00 3.30 -0.52	72.52 2.67 -4.64	64.87 2.31 -1.67	59.35 1.95 0.00
BAYONEEC___CTG10 323750	42.68 1.76 0.00	41.09 1.66 0.00	40.11 1.50 0.00	39.24 1.51 0.00	40.00 1.54 0.00	40.21 1.55 0.00	44.34 1.95 0.00	46.01 2.07 0.00	44.39 2.15 0.00	41.92 2.18 0.00	45.99 2.27 0.00	46.82 2.27 0.00	45.52 2.25 0.00	45.07 2.23 0.00	45.87 2.22 0.00	49.06 2.25 0.00	56.59 2.59 0.00	69.48 3.12 -1.42	77.29 3.58 4.13	75.59 3.52 2.78	74.00 3.30 -0.52	72.52 2.67 -4.64	64.87 2.31 -1.67	59.35 1.95 0.00
BAYONEEC___CTG2 323683	42.68 1.76 0.00	41.09 1.66 0.00	40.11 1.50 0.00	39.24 1.51 0.00	40.00 1.54 0.00	40.21 1.55 0.00	44.34 1.95 0.00	46.01 2.07 0.00	44.39 2.15 0.00	41.92 2.18 0.00	45.99 2.27 0.00	46.82 2.27 0.00	45.52 2.25 0.00	45.07 2.23 0.00	45.87 2.22 0.00	49.06 2.25 0.00	56.59 2.59 0.00	69.48 3.12 -1.42	77.29 3.58 4.13	75.59 3.52 2.78	74.00 3.30 -0.52	72.52 2.67 -4.64	64.87 2.31 -1.67	59.35 1.95 0.00
BAYONEEC___CTG3 323684	42.68 1.76 0.00	41.09 1.66 0.00	40.11 1.50 0.00	39.24 1.51 0.00	40.00 1.54 0.00	40.21 1.55 0.00	44.34 1.95 0.00	46.01 2.07 0.00	44.39 2.15 0.00	41.92 2.18 0.00	45.99 2.27 0.00	46.82 2.27 0.00	45.52 2.25 0.00	45.07 2.23 0.00	45.87 2.22 0.00	49.06 2.25 0.00	56.59 2.59 0.00	69.48 3.12 -1.42	77.29 3.58 4.13	75.59 3.52 2.78	74.00 3.30 -0.52	72.52 2.67 -4.64	64.87 2.31 -1.67	59.35 1.95 0.00
BAYONEEC___CTG4 323685	42.68 1.76 0.00	41.09 1.66 0.00	40.11 1.50 0.00	39.24 1.51 0.00	40.00 1.54 0.00	40.21 1.55 0.00	44.34 1.95 0.00	46.01 2.07 0.00	44.39 2.15 0.00	41.92 2.18 0.00	45.99 2.27 0.00	46.82 2.27 0.00	45.52 2.25 0.00	45.07 2.23 0.00	45.87 2.22 0.00	49.06 2.25 0.00	56.59 2.59 0.00	69.48 3.12 -1.42	77.29 3.58 4.13	75.59 3.52 2.78	74.00 3.30 -0.52	72.52 2.67 -4.64	64.87 2.31 -1.67	59.35 1.95 0.00
BAYONEEC___CTG5 323686	42.68 1.76 0.00	41.09 1.66 0.00	40.11 1.50 0.00	39.24 1.51 0.00	40.00 1.54 0.00	40.21 1.55 0.00	44.34 1.95 0.00	46.01 2.07 0.00	44.39 2.15 0.00	41.92 2.18 0.00	45.99 2.27 0.00	46.82 2.27 0.00	45.52 2.25 0.00	45.07 2.23 0.00	45.87 2.22 0.00	49.06 2.25 0.00	56.59 2.59 0.00	69.48 3.12 -1.42	77.29 3.58 4.13	75.59 3.52 2.78	74.00 3.30 -0.52	72.52 2.67 -4.64	64.87 2.31 -1.67	59.35 1.95 0.00
BAYONEEC___CTG6 323687	42.68 1.76 0.00	41.09 1.66 0.00	40.11 1.50 0.00	39.24 1.51 0.00	40.00 1.54 0.00	40.21 1.55 0.00	44.34 1.95 0.00	46.01 2.07 0.00	44.39 2.15 0.00	41.92 2.18 0.00	45.99 2.27 0.00	46.82 2.27 0.00	45.52 2.25 0.00	45.07 2.23 0.00	45.87 2.22 0.00	49.06 2.25 0.00	56.59 2.59 0.00	69.48 3.12 -1.42	77.29 3.58 4.13	75.59 3.52 2.78	74.00 3.30 -0.52	72.52 2.67 -4.64	64.87 2.31 -1.67	59.35 1.95 0.00



BAYONEEC___CTG7 323688	42.68 1.76 0.00	41.09 1.66 0.00	40.11 1.50 0.00	39.24 1.51 0.00	40.00 1.54 0.00	40.21 1.55 0.00	44.34 1.95 0.00	46.01 2.07 0.00	44.39 2.15 0.00	41.92 2.18 0.00	45.99 2.27 0.00	46.82 2.27 0.00	45.52 2.25 0.00	45.07 2.23 0.00	45.87 2.22 0.00	49.06 2.25 0.00	56.59 2.59 0.00	69.48 3.12 -1.42	77.29 3.58 4.13	75.59 3.52 2.78	74.00 3.30 -0.52	72.52 2.67 -4.64	64.87 2.31 -1.67	59.35 1.95 0.00
BAYONEEC___CTG8 323689	42.68 1.76 0.00	41.09 1.66 0.00	40.11 1.50 0.00	39.24 1.51 0.00	40.00 1.54 0.00	40.21 1.55 0.00	44.34 1.95 0.00	46.01 2.07 0.00	44.39 2.15 0.00	41.92 2.18 0.00	45.99 2.27 0.00	46.82 2.27 0.00	45.52 2.25 0.00	45.07 2.23 0.00	45.87 2.22 0.00	49.06 2.25 0.00	56.59 2.59 0.00	69.48 3.12 -1.42	77.29 3.58 4.13	75.59 3.52 2.78	74.00 3.30 -0.52	72.52 2.67 -4.64	64.87 2.31 -1.67	59.35 1.95 0.00
BAYONEEC___CTG9 323749	42.68 1.76 0.00	41.09 1.66 0.00	40.11 1.50 0.00	39.24 1.51 0.00	40.00 1.54 0.00	40.21 1.55 0.00	44.34 1.95 0.00	46.01 2.07 0.00	44.39 2.15 0.00	41.92 2.18 0.00	45.99 2.27 0.00	46.82 2.27 0.00	45.52 2.25 0.00	45.07 2.23 0.00	45.87 2.22 0.00	49.06 2.25 0.00	56.59 2.59 0.00	69.48 3.12 -1.42	77.29 3.58 4.13	75.59 3.52 2.78	74.00 3.30 -0.52	72.52 2.67 -4.64	64.87 2.31 -1.67	59.35 1.95 0.00
BEACON___LESR 323632	42.03 1.11 0.00	40.50 1.07 0.00	39.68 1.08 0.00	38.79 1.06 0.00	39.50 1.04 0.00	39.70 1.04 0.00	43.62 1.23 0.00	45.22 1.28 0.00	43.42 1.18 0.00	40.84 1.11 0.00	45.29 1.57 0.00	46.28 1.74 0.00	44.82 1.56 0.00	44.47 1.63 0.00	45.30 1.66 0.00	48.64 1.82 0.00	56.38 2.37 0.00	74.40 2.79 -6.66	86.82 3.19 -5.79	88.25 3.14 -10.25	78.01 3.08 -4.74	73.77 2.67 -5.89	63.44 2.56 0.00	59.70 2.30 0.00
BEAVER RIVER___HYD 24048	41.66 0.74 0.00	40.03 0.59 0.00	39.10 0.50 0.00	38.15 0.42 0.00	38.84 0.38 0.00	39.08 0.43 0.00	42.77 0.38 0.00	44.43 0.48 0.00	42.61 0.38 0.00	39.97 0.24 0.00	43.93 0.22 0.00	44.68 0.13 0.00	43.48 0.22 0.00	43.06 0.22 0.00	43.86 0.22 0.00	47.24 0.42 0.00	54.60 0.60 0.00	65.79 0.84 0.00	79.70 1.87 0.00	76.64 1.79 0.00	72.08 1.90 0.00	67.16 1.95 0.00	62.65 1.77 0.00	59.01 1.60 0.00
BEEBEE_GT_13 23619	39.41 -1.51 0.00	37.94 -1.50 0.00	37.14 -1.47 0.00	36.30 -1.43 0.00	37.08 -1.38 0.00	37.38 -1.28 0.00	40.44 -1.95 0.00	42.10 -1.85 0.00	40.21 -2.03 0.00	37.75 -1.99 0.00	41.40 -2.32 0.00	42.27 -2.27 0.00	40.97 -2.29 0.00	40.66 -2.19 0.00	41.38 -2.27 0.00	44.48 -2.34 0.00	50.98 -3.02 0.00	60.98 -3.96 0.00	73.48 -4.36 0.00	70.21 -4.64 0.00	65.76 -4.42 0.00	61.48 -3.72 0.00	57.78 -3.11 0.00	55.16 -2.24 0.00
BENSHRST_27_KV_BENSHRST_1 355998	58.25 2.50 -14.83	57.60 2.33 -15.84	57.62 2.16 -16.85	39.83 1.89 -0.21	40.71 2.04 -0.21	40.80 1.93 -0.21	58.53 2.63 -13.52	58.35 2.68 -11.72	59.08 2.83 -14.02	59.41 2.78 -16.89	58.35 2.97 -11.66	59.17 3.03 -11.60	59.15 3.03 -12.85	59.14 2.96 -13.34	59.11 2.97 -12.50	59.46 3.00 -9.65	60.01 3.35 -2.66	70.52 4.16 -1.42	86.44 4.90 -3.69	88.87 4.94 -9.09	81.76 4.63 -6.95	73.49 3.65 -4.63	65.78 3.23 -1.67	62.69 3.04 -2.25
BETHLEHEM___GRP 23843	41.50 0.57 0.00	40.03 0.59 0.00	39.18 0.58 0.00	38.34 0.60 0.00	39.04 0.58 0.00	39.24 0.58 0.00	43.11 0.72 0.00	44.61 0.66 0.00	42.91 0.68 0.00	40.37 0.64 0.00	44.81 1.09 0.00	45.75 1.20 0.00	44.35 1.08 0.00	43.96 1.11 0.00	44.78 1.13 0.00	48.03 1.22 0.00	55.57 1.57 0.00	73.70 1.82 -6.94	85.89 2.02 -6.03	87.47 1.95 -10.68	77.16 2.04 -4.94	73.03 1.70 -6.14	62.53 1.64 0.00	58.84 1.44 0.00
BETHLEHEM___GS1 323560	41.50 0.57 0.00	40.03 0.59 0.00	39.18 0.58 0.00	38.33 0.60 0.00	39.04 0.58 0.00	39.24 0.58 0.00	43.07 0.68 0.00	44.65 0.70 0.00	42.91 0.67 0.00	40.37 0.63 0.00	44.81 1.09 0.00	45.75 1.20 0.00	44.35 1.08 0.00	43.96 1.11 0.00	44.82 1.18 0.00	48.08 1.26 0.00	55.57 1.57 0.00	73.70 1.82 -6.94	85.89 2.02 -6.03	87.47 1.94 -10.68	77.16 2.04 -4.94	73.03 1.69 -6.14	62.53 1.64 0.00	58.84 1.44 0.00
BETHLEHEM___GS2 323561	41.50 0.57 0.00	40.03 0.59 0.00	39.18 0.58 0.00	38.33 0.60 0.00	39.04 0.58 0.00	39.24 0.58 0.00	43.07 0.68 0.00	44.65 0.70 0.00	42.91 0.67 0.00	40.37 0.63 0.00	44.81 1.09 0.00	45.75 1.20 0.00	44.35 1.08 0.00	43.96 1.11 0.00	44.82 1.18 0.00	48.08 1.26 0.00	55.57 1.57 0.00	73.70 1.82 -6.94	85.89 2.02 -6.03	87.47 1.94 -10.68	77.16 2.04 -4.94	73.03 1.69 -6.14	62.53 1.64 0.00	58.84 1.44 0.00
BETHLEHEM___GS3 323562	41.50 0.57 0.00	40.03 0.59 0.00	39.18 0.58 0.00	38.33 0.60 0.00	39.04 0.58 0.00	39.24 0.58 0.00	43.07 0.68 0.00	44.65 0.70 0.00	42.91 0.67 0.00	40.37 0.63 0.00	44.81 1.09 0.00	45.75 1.20 0.00	44.35 1.08 0.00	43.96 1.11 0.00	44.82 1.18 0.00	48.08 1.26 0.00	55.57 1.57 0.00	73.70 1.82 -6.94	85.89 2.02 -6.03	87.47 1.94 -10.68	77.16 2.04 -4.94	73.03 1.69 -6.14	62.53 1.64 0.00	58.84 1.44 0.00
BETHLEHEM___STEEL 23779	39.21 -1.72 0.00	37.82 -1.62 0.00	36.98 -1.62 0.00	36.15 -1.58 0.00	37.04 -1.42 0.00	37.38 -1.28 0.00	40.02 -2.37 0.00	41.53 -2.42 0.00	39.53 -2.70 0.00	37.15 -2.58 0.00	40.48 -3.23 0.00	41.25 -3.30 0.00	40.02 -3.25 0.00	39.76 -3.09 0.00	40.42 -3.23 0.00	43.40 -3.42 0.00	49.63 -4.37 0.00	58.97 -5.97 0.00	71.07 -6.77 0.00	67.89 -6.96 0.00	63.80 -6.39 0.00	59.92 -5.28 0.00	56.56 -4.32 0.00	54.65 -2.76 0.00
BETHLHEM_115KV_TB1 79974	41.54 0.61 0.00	40.07 0.63 0.00	39.26 0.66 0.00	38.37 0.64 0.00	39.11 0.65 0.00	39.28 0.62 0.00	43.15 0.76 0.00	44.69 0.75 0.00	42.95 0.72 0.00	40.45 0.72 0.00	44.85 1.14 0.00	45.75 1.20 0.00	44.35 1.08 0.00	43.96 1.11 0.00	44.78 1.13 0.00	48.08 1.26 0.00	55.57 1.57 0.00	73.39 1.82 -6.62	85.62 2.02 -5.76	87.06 2.02 -10.20	76.94 2.04 -4.72	72.76 1.70 -5.86	62.47 1.58 0.00	58.84 1.44 0.00
BETHPAGE_CC_5 323564	45.88 2.66 -2.30	44.07 2.53 -2.11	40.80 2.20 0.00	39.96 2.23 0.00	40.81 2.35 0.00	43.79 2.44 -2.69	45.34 2.80 -0.16	46.80 2.85 0.00	47.04 2.91 -1.89	42.35 2.62 0.00	46.60 2.88 0.00	47.35 2.81 0.00	46.04 2.77 0.00	45.67 2.83 0.00	46.57 2.92 0.00	53.43 2.95 -3.66	64.93 3.29 -7.64	91.00 4.03 -22.03	98.95 4.75 -16.36	94.29 4.57 -14.88	81.35 4.21 -6.95	78.31 3.65 -9.45	71.33 3.16 -7.29	66.51 2.81 -6.30
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	39.37 -1.56 0.00	37.98 -1.46 0.00	37.14 -1.47 0.00	36.30 -1.43 0.00	37.19 -1.27 0.00	37.54 -1.12 0.00	40.19 -2.20 0.00	41.71 -2.24 0.00	39.66 -2.58 0.00	37.31 -2.42 0.00	40.66 -3.06 0.00	41.43 -3.12 0.00	40.20 -3.07 0.00	39.93 -2.91 0.00	40.59 -3.06 0.00	43.59 -3.23 0.00	49.84 -4.16 0.00	59.29 -5.65 0.00	71.46 -6.38 0.00	68.26 -6.59 0.00	64.15 -6.04 0.00	60.25 -4.96 0.00	56.86 -4.02 0.00	54.88 -2.53 0.00



BINGHAMTON___COGEN 23790	40.84 -0.08 0.00	39.40 -0.04 0.00	38.56 -0.04 0.00	37.70 -0.04 0.00	38.50 0.04 0.00	38.70 0.04 0.00	42.26 -0.13 0.00	43.77 -0.18 0.00	41.94 -0.30 0.00	39.45 -0.28 0.00	43.32 -0.39 0.00	44.10 -0.45 0.00	42.83 -0.43 0.00	42.38 -0.47 0.00	43.21 -0.44 0.00	46.35 -0.47 0.00	53.46 -0.54 0.00	64.91 -0.65 -0.61	77.83 -0.54 -0.53	75.04 -0.75 -0.94	69.92 -0.70 -0.44	65.09 -0.65 -0.54	60.33 -0.55 0.00	57.17 -0.23 0.00
BIXINCNT_115KV_LOAD 355685	38.80 -2.13 0.00	37.62 -1.81 0.00	36.67 -1.93 0.00	35.81 -1.92 0.00	36.69 -1.77 0.00	36.96 -1.70 0.00	39.55 -2.84 0.00	40.83 -3.12 0.00	38.77 -3.46 0.00	36.39 -3.34 0.00	39.74 -3.98 0.00	40.36 -4.19 0.00	39.11 -4.15 0.00	38.91 -3.94 0.00	39.59 -4.06 0.00	42.56 -4.26 0.00	48.98 -5.02 0.00	58.39 -6.56 0.00	70.83 -7.01 0.00	67.89 -6.96 0.00	63.87 -6.32 0.00	60.12 -5.09 0.00	56.86 -4.02 0.00	54.99 -2.41 0.00
BLACK RIVER___HYD 24047	42.15 1.23 0.00	40.46 1.02 0.00	39.53 0.92 0.00	38.56 0.83 0.00	39.27 0.81 0.00	39.51 0.85 0.00	43.19 0.80 0.00	44.87 0.92 0.00	43.00 0.76 0.00	40.29 0.56 0.00	44.24 0.53 0.00	44.99 0.45 0.00	43.83 0.56 0.00	43.32 0.47 0.00	44.13 0.48 0.00	47.61 0.80 0.00	55.19 1.19 0.00	66.70 1.75 0.00	81.35 3.51 0.00	78.22 3.37 0.00	73.55 3.37 0.00	68.52 3.32 0.00	63.74 2.86 0.00	59.99 2.59 0.00
BLACKRVR_115KV_TB2 79977	42.15 1.23 0.00	40.46 1.03 0.00	39.53 0.93 0.00	38.56 0.83 0.00	39.27 0.81 0.00	39.51 0.85 0.00	43.20 0.81 0.00	44.91 0.97 0.00	43.00 0.76 0.00	40.29 0.56 0.00	44.24 0.52 0.00	44.99 0.45 0.00	43.83 0.56 0.00	43.36 0.51 0.00	44.17 0.52 0.00	47.61 0.80 0.00	55.19 1.19 0.00	66.70 1.75 0.00	81.34 3.50 0.00	78.22 3.37 0.00	73.55 3.37 0.00	68.53 3.33 0.00	63.74 2.86 0.00	59.98 2.58 0.00
BLISS_WT_PWR 323608	38.39 -2.54 0.00	37.35 -2.09 0.00	36.36 -2.24 0.00	35.47 -2.26 0.00	36.38 -2.08 0.00	36.61 -2.05 0.00	39.17 -3.22 0.00	40.17 -3.78 0.00	38.22 -4.01 0.00	35.96 -3.78 0.00	39.30 -4.41 0.00	39.87 -4.68 0.00	38.64 -4.63 0.00	38.43 -4.41 0.00	39.02 -4.63 0.00	41.90 -4.91 0.00	48.28 -5.73 0.00	57.80 -7.14 0.00	70.21 -7.63 0.00	67.36 -7.48 0.00	63.38 -6.81 0.00	59.72 -5.48 0.00	56.50 -4.38 0.00	54.82 -2.58 0.00
BLUESTONE___WT_PWR 323821	42.89 1.96 0.00	41.25 1.82 0.00	40.45 1.85 0.00	39.51 1.77 0.00	40.31 1.85 0.00	40.63 1.97 0.00	44.43 2.03 0.00	46.14 2.20 0.00	44.30 2.07 0.00	41.68 1.95 0.00	45.64 1.92 0.00	46.50 1.96 0.00	45.08 1.82 0.00	44.56 1.72 0.00	45.48 1.83 0.00	49.02 2.20 0.00	56.76 2.75 0.00	69.65 3.57 -1.14	83.88 5.06 -0.99	80.94 4.34 -1.75	75.06 4.07 -0.81	70.05 3.85 -1.00	64.17 3.29 0.00	60.67 3.27 0.00
BLUE_CIRC_CHEM_DRP 24182	41.95 1.02 0.00	40.46 1.03 0.00	39.68 1.08 0.00	38.79 1.06 0.00	39.50 1.04 0.00	39.66 1.01 0.00	43.54 1.14 0.00	45.05 1.10 0.00	43.21 0.97 0.00	40.61 0.87 0.00	44.90 1.18 0.00	45.84 1.29 0.00	44.44 1.17 0.00	44.05 1.20 0.00	44.91 1.27 0.00	48.22 1.40 0.00	55.78 1.78 0.00	72.26 2.14 -5.17	84.83 2.49 -4.50	85.28 2.47 -7.96	76.25 2.39 -3.68	71.86 2.09 -4.58	62.95 2.07 0.00	59.30 1.89 0.00
BOC_GAS_DRP 24189	41.66 0.74 0.00	40.19 0.75 0.00	39.37 0.77 0.00	38.49 0.75 0.00	39.23 0.77 0.00	39.39 0.73 0.00	43.28 0.89 0.00	44.78 0.83 0.00	43.08 0.84 0.00	40.57 0.83 0.00	44.76 1.05 0.00	45.66 1.11 0.00	44.31 1.04 0.00	43.92 1.07 0.00	44.74 1.09 0.00	47.94 1.12 0.00	55.35 1.35 0.00	71.52 1.69 -4.88	83.95 1.87 -4.24	84.23 1.87 -7.51	75.49 1.82 -3.47	71.09 1.56 -4.32	62.28 1.40 0.00	58.66 1.26 0.00
BOONVILLE_115KV_TB1 79983	41.74 0.82 0.00	40.15 0.71 0.00	39.30 0.69 0.00	38.37 0.64 0.00	39.08 0.62 0.00	39.32 0.66 0.00	43.07 0.68 0.00	44.69 0.75 0.00	42.95 0.72 0.00	40.37 0.64 0.00	44.37 0.66 0.00	45.17 0.62 0.00	43.92 0.65 0.00	43.40 0.56 0.00	44.26 0.61 0.00	47.61 0.80 0.00	55.08 1.08 0.00	66.37 1.43 0.00	80.17 2.34 0.00	76.94 2.10 0.00	72.22 2.04 0.00	67.16 1.96 0.00	62.59 1.70 0.00	58.89 1.49 0.00
BORALEX_4TH_BRANCH 23824	43.17 2.25 0.00	41.65 2.21 0.00	40.76 2.16 0.00	39.85 2.11 0.00	40.58 2.12 0.00	40.82 2.16 0.00	44.85 2.46 0.00	46.45 2.50 0.00	44.73 2.49 0.00	42.16 2.42 0.00	46.43 2.71 0.00	47.35 2.81 0.00	45.95 2.68 0.00	45.46 2.61 0.00	46.31 2.66 0.00	49.62 2.81 0.00	57.35 3.35 0.00	79.45 4.16 -10.35	91.81 4.98 -8.99	95.56 4.79 -15.92	81.90 4.35 -7.36	78.27 3.91 -9.15	64.47 3.59 0.00	60.62 3.21 0.00
BOWLINE___1 23526	42.19 1.27 0.00	40.70 1.26 0.00	39.80 1.20 0.00	38.94 1.21 0.00	39.73 1.27 0.00	39.90 1.24 0.00	43.83 1.44 0.00	45.40 1.45 0.00	43.75 1.52 0.00	41.28 1.55 0.00	45.29 1.57 0.00	46.10 1.56 0.00	44.78 1.51 0.00	44.39 1.54 0.00	45.17 1.53 0.00	48.31 1.50 0.00	55.68 1.68 0.00	68.37 2.08 -1.35	77.35 2.42 2.90	67.92 2.32 9.25	63.59 2.18 8.77	62.44 1.63 4.40	59.46 1.34 2.76	58.38 0.97 0.00
BOWLINE___2 23595	42.23 1.31 0.00	40.74 1.30 0.00	39.80 1.20 0.00	38.98 1.24 0.00	39.73 1.27 0.00	39.90 1.24 0.00	43.87 1.48 0.00	45.44 1.50 0.00	43.80 1.56 0.00	41.32 1.59 0.00	45.33 1.62 0.00	46.15 1.60 0.00	44.87 1.60 0.00	44.43 1.59 0.00	45.26 1.62 0.00	48.41 1.59 0.00	55.73 1.73 0.00	68.37 2.08 -1.35	77.35 2.42 2.90	67.91 2.32 9.26	63.59 2.18 8.77	62.50 1.69 4.40	59.46 1.34 2.76	58.44 1.03 0.00
BRADY___115KV_TB2 356060	42.15 1.23 0.00	40.54 1.10 0.00	39.57 0.97 0.00	38.64 0.91 0.00	39.34 0.88 0.00	39.59 0.93 0.00	43.37 0.97 0.00	44.96 1.01 0.00	43.12 0.89 0.00	40.41 0.68 0.00	44.55 0.83 0.00	45.39 0.85 0.00	44.18 0.91 0.00	43.75 0.90 0.00	44.56 0.92 0.00	47.85 1.03 0.00	55.14 1.13 0.00	66.05 1.10 0.00	78.93 1.09 0.00	76.20 1.35 0.00	71.66 1.47 0.00	67.09 1.89 0.00	62.89 2.01 0.00	59.24 1.84 0.00
BRANSCOMB___SOLAR 323811	43.55 2.62 0.00	41.96 2.53 0.00	41.07 2.47 0.00	40.15 2.42 0.00	40.88 2.42 0.00	41.13 2.48 0.00	45.19 2.80 0.00	46.80 2.85 0.00	44.90 2.66 0.00	42.12 2.38 0.00	46.43 2.71 0.00	47.48 2.94 0.00	46.00 2.73 0.00	45.59 2.74 0.00	46.52 2.88 0.00	50.00 3.19 0.00	58.05 4.05 0.00	83.59 5.13 -13.52	95.67 6.08 -11.75	101.50 5.84 -20.81	85.21 5.40 -9.62	82.18 5.02 -11.96	65.51 4.62 0.00	61.65 4.25 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	46.09 2.86 -2.30	44.31 2.76 -2.11	40.96 2.35 0.00	40.15 2.41 0.00	41.08 2.62 0.00	44.06 2.71 -2.69	45.73 3.18 -0.16	47.11 3.16 0.00	47.38 3.25 -1.89	42.59 2.86 0.00	46.86 3.15 0.00	47.62 3.07 0.00	46.30 3.03 0.00	45.89 3.04 0.00	46.87 3.23 0.00	53.89 3.42 -3.66	65.69 4.05 -7.64	92.11 5.13 -22.03	100.20 5.99 -16.36	95.49 5.76 -14.88	82.47 5.33 -6.95	79.42 4.76 -9.45	72.37 4.20 -7.29	67.61 3.90 -6.30



BRISTLHL_115KV_TB1 79998	40.72 -0.20 0.00	39.20 -0.24 0.00	38.37 -0.23 0.00	37.51 -0.23 0.00	38.23 -0.23 0.00	38.43 -0.23 0.00	42.05 -0.34 0.00	43.68 -0.26 0.00	41.94 -0.30 0.00	39.49 -0.24 0.00	43.45 -0.26 0.00	44.28 -0.27 0.00	43.01 -0.26 0.00	42.50 -0.34 0.00	43.34 -0.31 0.00	46.58 -0.23 0.00	53.73 -0.27 0.00	64.75 -0.19 0.00	77.92 0.08 0.00	74.77 -0.07 0.00	70.12 -0.07 0.00	65.07 -0.13 0.00	60.76 -0.12 0.00	57.40 0.00 0.00
BROOKHAVEN___DRP 24191	45.97 2.74 -2.30	44.19 2.64 -2.11	40.92 2.32 0.00	40.11 2.38 0.00	41.04 2.58 0.00	43.94 2.59 -2.69	45.60 3.05 -0.16	47.02 3.08 0.00	47.30 3.17 -1.89	42.55 2.82 0.00	46.60 2.89 0.00	47.35 2.81 0.00	45.99 2.73 0.00	45.63 2.79 0.00	46.61 2.97 0.00	53.66 3.18 -3.66	65.53 3.89 -7.64	91.98 5.00 -22.03	100.20 5.99 -16.36	95.49 5.76 -14.88	82.40 5.26 -6.95	79.29 4.63 -9.45	72.37 4.20 -7.29	67.55 3.85 -6.30
BROOKLYN_NAVY_YARD 23515	42.60 1.68 0.00	40.97 1.54 0.00	39.99 1.39 0.00	39.13 1.40 0.00	39.88 1.42 0.00	40.13 1.47 0.00	44.25 1.86 0.00	45.93 1.98 0.00	44.35 2.11 0.00	41.88 2.14 0.00	45.94 2.23 0.00	46.77 2.23 0.00	45.47 2.21 0.00	45.03 2.18 0.00	45.83 2.18 0.00	48.97 2.15 0.00	56.49 2.49 0.00	69.41 3.05 -1.42	85.12 3.58 -3.70	87.34 3.44 -9.04	80.39 3.30 -6.90	72.45 2.61 -4.64	64.74 2.19 -1.67	59.24 1.84 0.00
BROOKLYN___ARMY_DRP 323595	58.08 2.33 -14.83	57.48 2.21 -15.84	57.50 2.05 -16.85	39.72 1.77 -0.21	40.59 1.92 -0.21	40.68 1.82 -0.21	58.36 2.46 -13.52	58.18 2.50 -11.72	58.92 2.66 -14.02	59.29 2.66 -16.89	58.22 2.84 -11.66	59.04 2.90 -11.60	58.98 2.86 -12.85	58.97 2.79 -13.34	58.94 2.79 -12.50	59.27 2.81 -9.65	59.85 3.19 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.46 2.81 -2.25
BROOKVLE_69_KV_TB1 55790	45.84 2.62 -2.30	44.07 2.52 -2.11	40.84 2.24 0.00	40.00 2.26 0.00	40.88 2.42 0.00	43.82 2.47 -2.69	45.43 2.88 -0.16	46.80 2.86 0.00	47.08 2.96 -1.89	42.47 2.74 0.00	46.69 2.97 0.00	47.53 2.98 0.00	46.21 2.94 0.00	45.80 2.96 0.00	46.70 3.06 0.00	53.66 3.18 -3.66	65.26 3.62 -7.64	91.46 4.48 -22.03	99.58 5.37 -16.36	94.82 5.09 -14.88	81.84 4.70 -6.95	78.76 4.11 -9.45	71.70 3.53 -7.29	66.86 3.16 -6.30
BROOME_2_LFGE 323671	40.84 -0.08 0.00	39.40 -0.04 0.00	38.60 0.00 0.00	37.73 0.00 0.00	38.50 0.04 0.00	38.70 0.04 0.00	42.26 -0.13 0.00	43.73 -0.22 0.00	41.94 -0.29 0.00	39.46 -0.28 0.00	43.32 -0.39 0.00	44.10 -0.45 0.00	42.83 -0.43 0.00	42.38 -0.47 0.00	43.17 -0.48 0.00	46.35 -0.47 0.00	53.36 -0.65 0.00	64.91 -0.65 -0.61	77.83 -0.54 -0.53	75.04 -0.75 -0.94	69.92 -0.70 -0.44	65.09 -0.65 -0.54	60.27 -0.61 0.00	57.17 -0.23 0.00
BROOME___LFGE 323600	40.84 -0.08 0.00	39.40 -0.04 0.00	38.60 0.00 0.00	37.73 0.00 0.00	38.50 0.04 0.00	38.70 0.04 0.00	42.26 -0.13 0.00	43.73 -0.22 0.00	41.94 -0.29 0.00	39.46 -0.28 0.00	43.32 -0.39 0.00	44.10 -0.45 0.00	42.83 -0.43 0.00	42.38 -0.47 0.00	43.17 -0.48 0.00	46.35 -0.47 0.00	53.36 -0.65 0.00	64.91 -0.65 -0.61	77.83 -0.54 -0.53	75.04 -0.75 -0.94	69.92 -0.70 -0.44	65.09 -0.65 -0.54	60.27 -0.61 0.00	57.17 -0.23 0.00
BROWNFLS_115KV_TB_3_5 80003	41.62 0.70 0.00	39.99 0.55 0.00	39.03 0.42 0.00	38.11 0.38 0.00	38.81 0.35 0.00	38.97 0.31 0.00	42.60 0.21 0.00	44.30 0.35 0.00	42.49 0.25 0.00	39.85 0.12 0.00	43.93 0.22 0.00	44.77 0.22 0.00	43.57 0.30 0.00	43.15 0.30 0.00	43.95 0.31 0.00	47.24 0.42 0.00	54.49 0.49 0.00	65.33 0.39 0.00	78.46 0.62 0.00	75.67 0.82 0.00	71.10 0.91 0.00	66.51 1.30 0.00	62.28 1.40 0.00	58.72 1.32 0.00
BROWNSV1_27_KV_LOAD 356125	42.97 2.05 0.00	41.33 1.89 0.00	40.38 1.78 0.00	39.47 1.74 0.00	40.27 1.81 0.00	40.48 1.82 0.00	44.64 2.25 0.00	46.23 2.29 0.00	44.64 2.41 0.00	42.16 2.42 0.00	46.25 2.54 0.00	47.13 2.58 0.00	45.82 2.55 0.00	45.33 2.49 0.00	46.13 2.49 0.00	49.30 2.48 0.00	56.86 2.86 0.00	70.06 3.70 -1.42	85.82 4.28 -3.70	88.08 4.19 -9.04	81.09 4.00 -6.90	73.10 3.26 -4.64	65.35 2.80 -1.67	59.87 2.47 0.00
BURROWS___LYONSDAL 23803	41.70 0.78 0.00	40.11 0.67 0.00	39.18 0.58 0.00	38.30 0.57 0.00	39.00 0.54 0.00	39.20 0.54 0.00	42.94 0.55 0.00	44.61 0.66 0.00	42.83 0.59 0.00	40.25 0.52 0.00	44.20 0.48 0.00	45.04 0.49 0.00	43.74 0.48 0.00	43.28 0.43 0.00	44.12 0.48 0.00	47.47 0.66 0.00	54.92 0.92 0.00	66.18 1.23 0.00	80.02 2.18 0.00	76.87 2.02 0.00	72.15 1.97 0.00	67.09 1.89 0.00	62.53 1.64 0.00	58.89 1.49 0.00
CAITHNESS_CC_1 323624	45.92 2.70 -2.30	44.11 2.56 -2.11	40.84 2.24 0.00	40.03 2.30 0.00	40.88 2.42 0.00	43.86 2.51 -2.69	45.47 2.92 -0.16	46.98 3.03 0.00	47.21 3.08 -1.89	42.47 2.74 0.00	46.60 2.88 0.00	47.31 2.76 0.00	46.00 2.73 0.00	45.59 2.74 0.00	46.61 2.97 0.00	53.66 3.19 -3.66	65.53 3.89 -7.64	91.85 4.87 -22.03	99.96 5.76 -16.36	95.27 5.54 -14.88	82.20 5.06 -6.95	79.15 4.50 -9.45	72.25 4.08 -7.29	67.43 3.73 -6.30
CALPINE BETH_PAGE_GT4 24209	45.84 2.62 -2.30	44.07 2.52 -2.11	40.80 2.20 0.00	39.96 2.23 0.00	40.84 2.38 0.00	43.82 2.47 -2.69	45.30 2.76 -0.16	46.63 2.68 0.00	46.91 2.79 -1.89	42.27 2.54 0.00	46.47 2.75 0.00	47.26 2.72 0.00	45.95 2.68 0.00	45.55 2.70 0.00	46.48 2.84 0.00	53.33 2.86 -3.66	64.72 3.08 -7.64	90.87 3.90 -22.03	98.87 4.67 -16.36	94.22 4.49 -14.88	81.21 4.07 -6.95	78.18 3.52 -9.45	71.21 3.04 -7.29	66.40 2.70 -6.30
CALPINE_BETH_PAGE_GT_4 323586	45.88 2.66 -2.30	44.07 2.53 -2.11	40.80 2.20 0.00	39.96 2.23 0.00	40.85 2.39 0.00	43.83 2.48 -2.69	45.30 2.75 -0.16	46.72 2.77 0.00	46.96 2.83 -1.89	42.28 2.55 0.00	46.52 2.80 0.00	47.26 2.72 0.00	45.95 2.68 0.00	45.59 2.74 0.00	46.48 2.84 0.00	53.38 2.90 -3.66	64.82 3.19 -7.64	90.87 3.90 -22.03	98.87 4.67 -16.36	94.22 4.49 -14.88	81.21 4.07 -6.95	78.17 3.52 -9.45	71.27 3.10 -7.29	66.40 2.70 -6.30
CALPINE_BP_GT1 23823	45.88 2.66 -2.30	44.07 2.53 -2.11	40.80 2.20 0.00	39.96 2.23 0.00	40.85 2.39 0.00	43.83 2.48 -2.69	45.30 2.75 -0.16	46.72 2.77 0.00	46.96 2.83 -1.89	42.28 2.55 0.00	46.52 2.80 0.00	47.26 2.72 0.00	45.95 2.68 0.00	45.59 2.74 0.00	46.48 2.84 0.00	53.38 2.90 -3.66	64.82 3.19 -7.64	90.87 3.90 -22.03	98.87 4.67 -16.36	94.22 4.49 -14.88	81.21 4.07 -6.95	78.17 3.52 -9.45	71.27 3.10 -7.29	66.40 2.70 -6.30
CALSPAN___DRP 24200	39.21 -1.72 0.00	37.82 -1.62 0.00	36.98 -1.62 0.00	36.15 -1.58 0.00	37.04 -1.42 0.00	37.38 -1.28 0.00	40.02 -2.37 0.00	41.53 -2.42 0.00	39.53 -2.70 0.00	37.15 -2.58 0.00	40.48 -3.23 0.00	41.25 -3.30 0.00	40.02 -3.25 0.00	39.76 -3.09 0.00	40.42 -3.23 0.00	43.40 -3.42 0.00	49.63 -4.37 0.00	58.97 -5.97 0.00	71.07 -6.77 0.00	67.89 -6.96 0.00	63.80 -6.39 0.00	59.92 -5.28 0.00	56.56 -4.32 0.00	54.65 -2.76 0.00



CALVERTON___SOLAR 323806	46.09 2.86 -2.30	44.27 2.72 -2.11	40.96 2.36 0.00	40.18 2.45 0.00	41.04 2.58 0.00	44.01 2.67 -2.69	45.64 3.09 -0.16	47.15 3.21 0.00	47.38 3.25 -1.89	42.59 2.86 0.00	46.69 2.97 0.00	47.35 2.81 0.00	46.04 2.77 0.00	45.63 2.78 0.00	46.70 3.05 0.00	53.80 3.32 -3.66	65.69 4.05 -7.64	92.10 5.13 -22.03	100.43 6.23 -16.36	95.72 5.99 -14.88	82.54 5.40 -6.95	79.48 4.82 -9.45	72.56 4.39 -7.29	67.72 4.02 -6.30
CANDIGU_WT_PWR 323617	39.45 -1.47 0.00	38.17 -1.26 0.00	37.41 -1.20 0.00	36.52 -1.21 0.00	37.31 -1.15 0.00	37.58 -1.08 0.00	40.61 -1.78 0.00	41.97 -1.98 0.00	40.00 -2.24 0.00	37.62 -2.11 0.00	41.05 -2.67 0.00	41.74 -2.80 0.00	40.41 -2.86 0.00	39.98 -2.87 0.00	40.68 -2.97 0.00	43.72 -3.09 0.00	50.33 -3.67 0.00	61.17 -4.16 -0.38	73.66 -4.52 -0.33	70.87 -4.57 -0.59	66.25 -4.21 -0.27	61.96 -3.59 -0.34	57.78 -3.10 0.00	55.39 -2.01 0.00
CARR STREET_E__SYR 24060	40.15 -0.78 0.00	38.69 -0.75 0.00	37.87 -0.73 0.00	37.01 -0.72 0.00	37.77 -0.69 0.00	37.96 -0.69 0.00	41.54 -0.85 0.00	43.07 -0.88 0.00	41.35 -0.89 0.00	38.94 -0.79 0.00	42.80 -0.92 0.00	43.65 -0.89 0.00	42.40 -0.87 0.00	41.95 -0.90 0.00	42.73 -0.92 0.00	45.88 -0.94 0.00	52.87 -1.14 0.00	63.52 -1.43 0.00	76.20 -1.64 0.00	73.13 -1.72 0.00	68.57 -1.61 0.00	63.64 -1.57 0.00	59.48 -1.40 0.00	56.19 -1.21 0.00
CARTHAGE___PAPER 23857	41.87 0.94 0.00	40.18 0.75 0.00	39.22 0.62 0.00	38.30 0.57 0.00	39.00 0.54 0.00	39.20 0.54 0.00	42.90 0.51 0.00	44.61 0.66 0.00	42.74 0.51 0.00	40.01 0.28 0.00	43.93 0.22 0.00	44.72 0.18 0.00	43.53 0.26 0.00	43.06 0.22 0.00	43.86 0.22 0.00	47.24 0.42 0.00	54.70 0.70 0.00	66.05 1.10 0.00	80.26 2.42 0.00	77.24 2.39 0.00	72.64 2.46 0.00	67.74 2.54 0.00	63.07 2.19 0.00	59.29 1.89 0.00
CASSADAGA_WT_PWR 323784	38.67 -2.25 0.00	37.35 -2.09 0.00	36.40 -2.20 0.00	35.54 -2.19 0.00	36.38 -2.08 0.00	36.80 -1.85 0.00	39.51 -2.88 0.00	40.74 -3.21 0.00	38.94 -3.29 0.00	36.75 -2.98 0.00	40.04 -3.67 0.00	40.85 -3.70 0.00	39.63 -3.63 0.00	39.33 -3.51 0.00	39.89 -3.75 0.00	42.84 -3.98 0.00	49.09 -4.91 0.00	58.77 -6.17 0.00	71.14 -6.69 0.00	68.11 -6.74 0.00	64.22 -5.97 0.00	60.51 -4.70 0.00	57.11 -3.77 0.00	55.34 -2.06 0.00
CE_DUNWOOD___DRP 24194	42.60 1.68 0.00	41.01 1.58 0.00	40.11 1.51 0.00	39.20 1.47 0.00	40.00 1.54 0.00	40.20 1.55 0.00	44.26 1.87 0.00	45.79 1.85 0.00	44.22 1.99 0.00	41.68 1.95 0.00	45.81 2.10 0.00	46.68 2.14 0.00	45.34 2.08 0.00	44.90 2.06 0.00	45.70 2.05 0.00	48.88 2.06 0.00	56.38 2.38 0.00	69.41 3.05 -1.41	85.34 3.58 -3.92	87.95 3.44 -9.66	80.85 3.23 -7.43	72.82 2.67 -4.94	64.90 2.19 -1.82	59.30 1.89 0.00
CE_MILLWOOD___DRP 24193	42.44 1.51 0.00	40.90 1.46 0.00	39.99 1.39 0.00	39.09 1.36 0.00	39.88 1.42 0.00	40.09 1.43 0.00	44.09 1.70 0.00	45.62 1.67 0.00	44.05 1.82 0.00	41.52 1.79 0.00	45.64 1.92 0.00	46.46 1.92 0.00	45.17 1.90 0.00	44.73 1.89 0.00	45.52 1.88 0.00	48.69 1.87 0.00	56.11 2.11 0.00	69.13 2.79 -1.39	96.06 3.19 -15.03	118.56 3.14 -40.57	107.12 2.95 -33.99	87.74 2.35 -20.19	72.19 1.95 -9.36	59.01 1.61 0.00
CE_NYC2_DRP 24202	42.98 2.05 -0.01	41.33 1.89 0.00	40.34 1.74 0.00	39.39 1.66 0.00	40.19 1.73 0.00	40.36 1.70 0.00	44.55 2.16 0.00	46.14 2.20 0.00	44.60 2.37 0.00	42.12 2.38 0.00	46.21 2.49 0.00	47.13 2.58 0.00	46.13 2.55 -0.31	45.82 2.49 -0.48	46.13 2.49 0.00	49.30 2.48 0.00	56.76 2.75 0.00	69.80 3.44 -1.42	93.40 4.05 -11.51	99.72 4.04 -20.83	87.24 3.79 -13.27	72.83 3.00 -4.63	65.11 2.56 -1.67	59.82 2.41 -0.01
CE_NYC_DRP 24195	42.77 1.84 0.00	41.17 1.74 0.00	40.18 1.58 0.00	39.32 1.58 0.00	40.11 1.65 0.00	40.32 1.66 0.00	44.43 2.03 0.00	46.01 2.07 0.00	44.43 2.20 0.00	41.96 2.22 0.00	46.03 2.32 0.00	46.95 2.41 0.00	45.60 2.34 0.00	45.16 2.31 0.00	45.96 2.31 0.00	49.11 2.29 0.00	56.59 2.59 0.00	69.67 3.31 -1.42	85.43 3.89 -3.70	87.64 3.74 -9.05	80.60 3.51 -6.91	72.71 2.87 -4.64	64.99 2.44 -1.67	59.53 2.12 0.00
CHAFFEE___LFGE 323603	39.29 -1.64 0.00	37.98 -1.46 0.00	37.17 -1.43 0.00	36.34 -1.40 0.00	37.23 -1.23 0.00	37.54 -1.12 0.00	40.18 -2.21 0.00	41.53 -2.42 0.00	39.66 -2.58 0.00	37.39 -2.34 0.00	40.74 -2.97 0.00	41.51 -3.03 0.00	40.28 -2.98 0.00	40.02 -2.83 0.00	40.55 -3.10 0.00	43.49 -3.32 0.00	49.68 -4.32 0.00	59.42 -5.52 0.00	71.61 -6.23 0.00	68.41 -6.44 0.00	64.22 -5.97 0.00	60.38 -4.82 0.00	56.80 -4.08 0.00	54.94 -2.47 0.00
CHATEAUG_35_KV_LOAD 355732	41.13 0.20 0.00	39.56 0.12 0.00	38.60 0.00 0.00	37.58 -0.15 0.00	38.23 -0.23 0.00	38.50 -0.15 0.00	42.48 0.08 0.00	44.17 0.22 0.00	42.45 0.21 0.00	39.81 0.08 0.00	43.72 0.00 0.00	44.41 -0.13 0.00	43.18 -0.09 0.00	42.76 -0.09 0.00	43.47 -0.17 0.00	46.54 -0.28 0.00	53.52 -0.49 0.00	64.10 -0.84 0.00	76.75 -1.09 0.00	73.95 -0.90 0.00	69.34 -0.84 0.00	64.88 -0.33 0.00	60.82 -0.06 0.00	57.29 -0.11 0.00
CHATEAUG_WT_PWR 323614	41.01 0.08 0.00	39.44 0.00 0.00	38.49 -0.12 0.00	37.43 -0.30 0.00	38.11 -0.35 0.00	38.39 -0.27 0.00	42.35 -0.04 0.00	44.12 0.18 0.00	42.40 0.17 0.00	39.77 0.04 0.00	43.63 -0.09 0.00	44.32 -0.22 0.00	43.10 -0.17 0.00	42.68 -0.17 0.00	43.38 -0.26 0.00	46.39 -0.42 0.00	53.36 -0.65 0.00	63.78 -1.17 0.00	76.36 -1.48 0.00	73.58 -1.27 0.00	68.99 -1.19 0.00	64.49 -0.72 0.00	60.46 -0.42 0.00	57.00 -0.40 0.00
CHAT_HIGH_FALL_HYD 323578	41.13 0.20 0.00	39.56 0.12 0.00	38.60 0.00 0.00	37.58 -0.15 0.00	38.23 -0.23 0.00	38.50 -0.15 0.00	42.48 0.08 0.00	44.17 0.22 0.00	42.45 0.21 0.00	39.81 0.08 0.00	43.72 0.00 0.00	44.41 -0.13 0.00	43.18 -0.09 0.00	42.76 -0.09 0.00	43.47 -0.17 0.00	46.54 -0.28 0.00	53.52 -0.49 0.00	64.10 -0.84 0.00	76.75 -1.09 0.00	73.95 -0.90 0.00	69.34 -0.84 0.00	64.88 -0.33 0.00	60.82 -0.06 0.00	57.29 -0.11 0.00
CHAUTAUQUA___LFGE 323629	39.17 -1.76 0.00	37.82 -1.62 0.00	36.98 -1.62 0.00	36.15 -1.58 0.00	37.04 -1.42 0.00	37.38 -1.27 0.00	40.10 -2.29 0.00	41.40 -2.55 0.00	39.49 -2.74 0.00	37.23 -2.50 0.00	40.57 -3.15 0.00	41.34 -3.21 0.00	40.11 -3.16 0.00	39.81 -3.04 0.00	40.37 -3.27 0.00	43.26 -3.56 0.00	49.47 -4.54 0.00	59.23 -5.72 0.00	71.54 -6.30 0.00	68.41 -6.44 0.00	64.36 -5.82 0.00	60.51 -4.70 0.00	56.98 -3.90 0.00	55.10 -2.30 0.00
CHERRYST_13_KV_LD 356241	42.85 1.92 0.00	41.25 1.81 0.00	40.30 1.70 0.00	39.39 1.66 0.00	40.19 1.73 0.00	40.40 1.74 0.00	44.55 2.16 0.00	46.14 2.20 0.00	44.56 2.32 0.00	42.04 2.30 0.00	46.16 2.45 0.00	47.04 2.49 0.00	45.73 2.47 0.00	45.25 2.40 0.00	46.05 2.40 0.00	49.20 2.39 0.00	56.70 2.70 0.00	69.87 3.51 -1.42	85.59 4.05 -3.70	87.86 3.97 -9.05	80.81 3.72 -6.91	72.91 3.06 -4.64	65.17 2.62 -1.67	59.70 2.30 0.00



CHESTROR_138KV_BK263 355645	42.11 1.19 0.00	40.58 1.14 0.00	39.68 1.08 0.00	38.83 1.09 0.00	39.61 1.15 0.00	39.78 1.12 0.00	43.75 1.36 0.00	45.27 1.32 0.00	43.59 1.35 0.00	41.08 1.35 0.00	45.11 1.40 0.00	45.97 1.43 0.00	44.65 1.38 0.00	44.22 1.37 0.00	45.04 1.40 0.00	48.22 1.40 0.00	55.57 1.57 0.00	68.38 2.14 -1.29	78.52 2.49 1.81	71.14 2.47 6.18	66.34 2.25 6.09	64.14 1.83 2.89	60.30 1.40 1.99	58.55 1.15 0.00
CH_MIDHUDSON___DRP 24192	42.56 1.64 0.00	41.05 1.62 0.00	40.11 1.51 0.00	39.24 1.51 0.00	40.00 1.54 0.00	40.20 1.55 0.00	44.26 1.87 0.00	45.75 1.80 0.00	44.14 1.90 0.00	41.56 1.83 0.00	45.73 2.01 0.00	46.59 2.05 0.00	45.26 1.99 0.00	44.82 1.97 0.00	45.65 2.01 0.00	48.88 2.06 0.00	56.43 2.43 0.00	69.58 3.18 -1.45	82.84 3.74 -1.26	80.75 3.67 -2.24	74.59 3.37 -1.03	69.36 2.87 -1.29	63.32 2.44 0.00	59.47 2.07 0.00
CH_MISC_IPPS 23765	42.77 1.84 0.00	41.17 1.73 0.00	40.22 1.62 0.00	39.35 1.62 0.00	40.15 1.69 0.00	40.32 1.66 0.00	44.38 1.99 0.00	45.97 2.02 0.00	44.26 2.03 0.00	41.64 1.91 0.00	45.77 2.06 0.00	46.64 2.09 0.00	45.26 1.99 0.00	44.86 2.01 0.00	45.74 2.09 0.00	48.97 2.15 0.00	56.65 2.65 0.00	69.81 3.44 -1.43	83.13 4.05 -1.24	81.09 4.04 -2.20	74.85 3.65 -1.02	69.60 3.13 -1.27	63.50 2.62 0.00	59.58 2.18 0.00
CH_RES_BVR_FALLS 23983	40.51 -0.41 0.00	39.04 -0.39 0.00	38.18 -0.42 0.00	37.32 -0.41 0.00	38.00 -0.46 0.00	38.23 -0.42 0.00	41.97 -0.42 0.00	43.55 -0.40 0.00	41.85 -0.38 0.00	39.33 -0.40 0.00	43.28 -0.44 0.00	44.10 -0.45 0.00	42.88 -0.39 0.00	42.46 -0.39 0.00	43.25 -0.39 0.00	46.39 -0.42 0.00	53.52 -0.49 0.00	64.36 -0.59 0.00	77.06 -0.78 0.00	74.25 -0.60 0.00	69.70 -0.49 0.00	64.94 -0.26 0.00	60.76 -0.12 0.00	57.29 -0.11 0.00
CH_RES_NIAGARA 23895	38.10 -2.82 0.00	36.72 -2.72 0.00	35.90 -2.70 0.00	35.09 -2.64 0.00	35.92 -2.54 0.00	36.26 -2.40 0.00	38.53 -3.86 0.00	40.12 -3.82 0.00	38.10 -4.14 0.00	35.76 -3.97 0.00	38.95 -4.76 0.00	39.73 -4.81 0.00	38.59 -4.67 0.00	38.39 -4.46 0.00	38.97 -4.67 0.00	41.81 -5.01 0.00	47.63 -6.37 0.00	56.37 -8.57 0.00	67.88 -9.96 0.00	64.67 -10.18 0.00	60.71 -9.48 0.00	57.12 -8.08 0.00	54.12 -6.76 0.00	52.35 -5.05 0.00
CH_RES_SYRACUSE 23985	40.56 -0.37 0.00	39.08 -0.36 0.00	38.25 -0.35 0.00	37.39 -0.34 0.00	38.15 -0.31 0.00	38.35 -0.31 0.00	41.97 -0.42 0.00	43.51 -0.44 0.00	41.81 -0.42 0.00	39.33 -0.40 0.00	43.28 -0.44 0.00	44.14 -0.40 0.00	42.88 -0.39 0.00	42.42 -0.43 0.00	43.21 -0.44 0.00	46.44 -0.38 0.00	53.52 -0.49 0.00	64.42 -0.52 0.00	77.38 -0.46 0.00	74.25 -0.60 0.00	69.62 -0.56 0.00	64.61 -0.59 0.00	60.33 -0.55 0.00	57.06 -0.34 0.00
CLINTON_WT_PWR 323605	41.01 0.08 0.00	39.44 0.00 0.00	38.49 -0.12 0.00	37.43 -0.30 0.00	38.11 -0.35 0.00	38.39 -0.27 0.00	42.35 -0.04 0.00	44.12 0.18 0.00	42.40 0.17 0.00	39.77 0.04 0.00	43.63 -0.09 0.00	44.32 -0.22 0.00	43.10 -0.17 0.00	42.68 -0.17 0.00	43.38 -0.26 0.00	46.39 -0.42 0.00	53.36 -0.65 0.00	63.78 -1.17 0.00	76.36 -1.48 0.00	73.58 -1.27 0.00	68.99 -1.19 0.00	64.49 -0.72 0.00	60.46 -0.42 0.00	57.00 -0.40 0.00
CLINTON___LFGE 323618	41.50 0.57 0.00	39.91 0.47 0.00	38.84 0.23 0.00	37.73 0.00 0.00	38.38 -0.08 0.00	38.77 0.12 0.00	42.81 0.42 0.00	44.65 0.70 0.00	42.91 0.67 0.00	40.17 0.44 0.00	44.02 0.31 0.00	44.59 0.04 0.00	43.31 0.04 0.00	42.89 0.04 0.00	43.60 -0.04 0.00	46.63 -0.19 0.00	53.52 -0.49 0.00	63.97 -0.97 0.00	76.59 -1.25 0.00	73.73 -1.12 0.00	69.20 -0.98 0.00	64.88 -0.32 0.00	60.88 0.00 0.00	57.29 -0.11 0.00
COBBLENY_34_KV_TB1 80064	39.41 -1.51 0.00	37.98 -1.46 0.00	37.14 -1.47 0.00	36.30 -1.43 0.00	37.23 -1.23 0.00	37.54 -1.12 0.00	40.19 -2.20 0.00	41.75 -2.20 0.00	39.74 -2.49 0.00	37.39 -2.34 0.00	40.74 -2.97 0.00	41.52 -3.03 0.00	40.28 -2.99 0.00	40.06 -2.79 0.00	40.68 -2.97 0.00	43.68 -3.14 0.00	49.95 -4.05 0.00	59.42 -5.52 0.00	71.61 -6.23 0.00	68.41 -6.44 0.00	64.22 -5.97 0.00	60.38 -4.82 0.00	56.93 -3.96 0.00	54.93 -2.47 0.00
COFFEEN___115KV_TB3 355620	42.44 1.51 0.00	40.70 1.26 0.00	39.76 1.16 0.00	38.83 1.09 0.00	39.50 1.04 0.00	39.74 1.08 0.00	43.45 1.06 0.00	45.18 1.23 0.00	43.25 1.01 0.00	40.49 0.75 0.00	44.46 0.74 0.00	45.21 0.67 0.00	44.00 0.74 0.00	43.53 0.69 0.00	44.30 0.65 0.00	47.85 1.03 0.00	55.51 1.51 0.00	67.09 2.14 0.00	81.96 4.13 0.00	78.89 4.04 0.00	74.19 4.00 0.00	69.11 3.91 0.00	64.23 3.35 0.00	60.44 3.04 0.00
COLDSPRG_115KV_BK1 355956	40.15 -0.78 0.00	38.73 -0.71 0.00	37.83 -0.77 0.00	36.94 -0.79 0.00	37.84 -0.62 0.00	38.27 -0.39 0.00	41.08 -1.31 0.00	42.54 -1.41 0.00	40.59 -1.65 0.00	38.22 -1.51 0.00	41.62 -2.10 0.00	42.41 -2.14 0.00	41.10 -2.16 0.00	40.83 -2.01 0.00	41.46 -2.18 0.00	44.52 -2.29 0.00	51.09 -2.92 0.00	60.92 -4.03 0.00	73.64 -4.20 0.00	70.43 -4.42 0.00	66.33 -3.86 0.00	62.27 -2.93 0.00	58.57 -2.31 0.00	56.54 -0.86 0.00
COLONIE_LFGE___ 323577	42.72 1.80 0.00	41.21 1.78 0.00	40.34 1.74 0.00	39.43 1.70 0.00	40.15 1.69 0.00	40.36 1.70 0.00	44.34 1.95 0.00	45.93 1.98 0.00	44.18 1.94 0.00	41.56 1.83 0.00	45.81 2.10 0.00	46.77 2.23 0.00	45.34 2.08 0.00	44.95 2.10 0.00	45.83 2.18 0.00	49.16 2.34 0.00	56.86 2.86 0.00	80.66 3.57 -12.14	92.59 4.20 -10.55	97.57 4.04 -18.69	82.54 3.72 -8.64	79.33 3.39 -10.74	63.99 3.10 0.00	60.21 2.81 0.00
COOPERNY_115KV_TB1 80082	41.74 0.82 0.00	40.27 0.83 0.00	39.37 0.77 0.00	38.53 0.79 0.00	39.27 0.81 0.00	39.47 0.81 0.00	43.32 0.93 0.00	44.87 0.92 0.00	43.21 0.97 0.00	40.69 0.95 0.00	44.72 1.01 0.00	45.57 1.02 0.00	44.26 1.00 0.00	43.83 0.99 0.00	44.65 1.00 0.00	47.80 0.98 0.00	55.08 1.08 0.00	67.50 1.49 -1.06	79.16 1.79 0.47	74.33 1.72 2.24	69.23 1.61 2.57	65.47 1.24 0.97	60.91 0.97 0.94	58.21 0.80 0.00
COPENHAGEN_WT_PWR 323753	41.99 1.06 0.00	40.30 0.87 0.00	39.37 0.77 0.00	38.45 0.72 0.00	39.15 0.69 0.00	39.39 0.73 0.00	43.07 0.68 0.00	44.74 0.79 0.00	42.87 0.63 0.00	40.17 0.44 0.00	44.15 0.44 0.00	44.90 0.35 0.00	43.74 0.48 0.00	43.23 0.38 0.00	44.04 0.39 0.00	47.47 0.66 0.00	54.98 0.97 0.00	66.44 1.49 0.00	80.96 3.12 0.00	77.84 3.00 0.00	73.13 2.95 0.00	68.20 3.00 0.00	63.38 2.50 0.00	59.70 2.30 0.00
CORNELL_____ 23752	41.37 0.45 0.00	39.87 0.43 0.00	39.03 0.42 0.00	38.15 0.42 0.00	38.92 0.46 0.00	39.16 0.50 0.00	42.86 0.47 0.00	44.47 0.53 0.00	42.66 0.42 0.00	40.09 0.36 0.00	43.98 0.26 0.00	44.77 0.22 0.00	43.44 0.17 0.00	42.93 0.09 0.00	43.82 0.17 0.00	47.14 0.33 0.00	54.49 0.49 0.00	66.09 0.71 -0.43	79.53 1.32 -0.37	76.55 1.05 -0.66	71.40 0.91 -0.30	66.43 0.85 -0.38	61.61 0.73 0.00	58.26 0.86 0.00



CORONA__69_KV_TB1 355595	45.72 2.50 -2.30	43.95 2.41 -2.11	40.69 2.08 0.00	39.85 2.11 0.00	40.73 2.27 0.00	43.67 2.32 -2.69	45.26 2.71 -0.16	46.67 2.72 0.00	46.91 2.79 -1.89	42.31 2.58 0.00	46.56 2.84 0.00	47.35 2.81 0.00	46.08 2.81 0.00	45.63 2.79 0.00	46.53 2.88 0.00	53.52 3.04 -3.66	65.04 3.40 -7.64	91.33 4.35 -22.03	99.42 5.22 -16.36	94.67 4.94 -14.88	81.70 4.56 -6.95	78.63 3.98 -9.45	71.64 3.47 -7.29	66.74 3.04 -6.30
CORTLAND__115KV_TB3 80093	41.05 0.12 0.00	39.56 0.12 0.00	38.72 0.12 0.00	37.85 0.11 0.00	38.61 0.15 0.00	38.81 0.15 0.00	42.48 0.08 0.00	44.04 0.09 0.00	42.28 0.04 0.00	39.73 0.00 0.00	43.63 -0.09 0.00	44.46 -0.09 0.00	43.14 -0.13 0.00	42.68 -0.17 0.00	43.51 -0.13 0.00	46.77 -0.05 0.00	54.00 0.00 0.00	65.07 0.13 0.00	78.23 0.39 0.00	75.07 0.22 0.00	70.40 0.21 0.00	65.33 0.13 0.00	61.00 0.12 0.00	57.69 0.29 0.00
COXSACKIE__GT 23611	43.42 2.50 0.00	41.84 2.41 0.00	40.92 2.32 0.00	40.00 2.26 0.00	40.77 2.31 0.00	40.94 2.28 0.00	45.06 2.67 0.00	46.50 2.55 0.00	44.39 2.15 0.00	41.44 1.71 0.00	45.73 2.01 0.00	46.64 2.09 0.00	45.13 1.86 0.00	44.82 1.97 0.00	45.70 2.05 0.00	49.20 2.39 0.00	57.57 3.56 0.00	74.07 4.29 -4.84	87.49 5.45 -4.21	87.76 5.46 -7.45	78.75 5.12 -3.44	74.05 4.56 -4.28	65.76 4.87 0.00	61.71 4.31 0.00
CPV_VALLEY__CC1 323721	41.82 0.90 0.00	40.34 0.91 0.00	39.45 0.85 0.00	38.60 0.87 0.00	39.35 0.89 0.00	39.55 0.89 0.00	43.45 1.06 0.00	45.00 1.05 0.00	43.33 1.10 0.00	40.84 1.11 0.00	44.85 1.13 0.00	45.70 1.16 0.00	44.39 1.12 0.00	43.96 1.11 0.00	44.78 1.13 0.00	47.94 1.12 0.00	55.25 1.24 0.00	67.77 1.62 -1.20	78.80 1.87 0.91	73.07 1.79 3.57	68.07 1.68 3.80	64.89 1.30 1.61	60.60 1.03 1.32	58.15 0.74 0.00
CPV_VALLEY__CC2 323722	41.82 0.90 0.00	40.34 0.91 0.00	39.45 0.85 0.00	38.60 0.87 0.00	39.35 0.89 0.00	39.55 0.89 0.00	43.45 1.06 0.00	45.00 1.05 0.00	43.33 1.10 0.00	40.84 1.11 0.00	44.85 1.13 0.00	45.70 1.16 0.00	44.39 1.12 0.00	43.96 1.11 0.00	44.78 1.13 0.00	47.94 1.12 0.00	55.25 1.24 0.00	67.77 1.62 -1.20	78.80 1.87 0.91	73.07 1.79 3.57	68.07 1.68 3.80	64.89 1.30 1.61	60.60 1.03 1.32	58.15 0.74 0.00
CRESCENT__HYD 24018	42.72 1.80 0.00	41.21 1.78 0.00	40.34 1.74 0.00	39.43 1.70 0.00	40.15 1.69 0.00	40.36 1.70 0.00	44.34 1.95 0.00	45.93 1.98 0.00	44.18 1.94 0.00	41.56 1.83 0.00	45.81 2.10 0.00	46.77 2.23 0.00	45.34 2.08 0.00	44.95 2.10 0.00	45.83 2.18 0.00	49.16 2.34 0.00	56.86 2.86 0.00	80.66 3.57 -12.14	92.59 4.20 -10.55	97.57 4.04 -18.69	82.54 3.72 -8.64	79.33 3.39 -10.74	63.99 3.10 0.00	60.21 2.81 0.00
CRICKET__VALLEY_CC1 323756	42.27 1.35 0.00	40.78 1.34 0.00	39.84 1.23 0.00	38.98 1.24 0.00	39.73 1.27 0.00	39.93 1.27 0.00	43.91 1.52 0.00	45.53 1.58 0.00	43.84 1.60 0.00	41.40 1.67 0.00	45.64 1.92 0.00	46.50 1.96 0.00	45.17 1.90 0.00	44.73 1.88 0.00	45.56 1.92 0.00	48.78 1.97 0.00	56.32 2.32 0.00	69.46 2.79 -1.72	83.64 3.27 -2.53	83.51 3.14 -5.52	76.75 2.88 -3.69	70.62 2.48 -2.94	63.77 2.19 -0.70	59.24 1.84 0.00
CRICKET__VALLEY_CC2 323757	42.27 1.35 0.00	40.78 1.34 0.00	39.84 1.23 0.00	38.98 1.24 0.00	39.73 1.27 0.00	39.93 1.27 0.00	43.91 1.52 0.00	45.53 1.58 0.00	43.84 1.60 0.00	41.40 1.67 0.00	45.64 1.92 0.00	46.50 1.96 0.00	45.17 1.90 0.00	44.73 1.88 0.00	45.56 1.92 0.00	48.78 1.97 0.00	56.32 2.32 0.00	69.46 2.79 -1.72	83.64 3.27 -2.53	83.51 3.14 -5.52	76.75 2.88 -3.69	70.62 2.48 -2.94	63.77 2.19 -0.70	59.24 1.84 0.00
CRICKET__VALLEY_CC3 323758	42.27 1.35 0.00	40.78 1.34 0.00	39.84 1.23 0.00	38.98 1.24 0.00	39.73 1.27 0.00	39.93 1.27 0.00	43.91 1.52 0.00	45.53 1.58 0.00	43.84 1.60 0.00	41.40 1.67 0.00	45.64 1.92 0.00	46.50 1.96 0.00	45.17 1.90 0.00	44.73 1.88 0.00	45.56 1.92 0.00	48.78 1.97 0.00	56.32 2.32 0.00	69.46 2.79 -1.72	83.64 3.27 -2.53	83.51 3.14 -5.52	76.75 2.88 -3.69	70.62 2.48 -2.94	63.77 2.19 -0.70	59.24 1.84 0.00
CRUCIBLE__METL_DRP 24180	40.56 -0.37 0.00	39.08 -0.35 0.00	38.25 -0.35 0.00	37.39 -0.34 0.00	38.15 -0.31 0.00	38.35 -0.31 0.00	41.97 -0.42 0.00	43.55 -0.40 0.00	41.81 -0.42 0.00	39.37 -0.36 0.00	43.32 -0.39 0.00	44.14 -0.40 0.00	42.88 -0.39 0.00	42.42 -0.43 0.00	43.21 -0.44 0.00	46.44 -0.37 0.00	53.57 -0.43 0.00	64.43 -0.52 0.00	77.37 -0.47 0.00	74.25 -0.60 0.00	69.62 -0.56 0.00	64.61 -0.59 0.00	60.33 -0.55 0.00	57.06 -0.34 0.00
DAHOWA__HYDRO 323763	43.83 2.91 0.00	42.24 2.80 0.00	41.34 2.74 0.00	40.37 2.64 0.00	41.11 2.65 0.00	41.40 2.75 0.00	45.48 3.09 0.00	47.11 3.17 0.00	45.19 2.96 0.00	42.39 2.66 0.00	46.69 2.97 0.00	47.80 3.25 0.00	46.25 2.98 0.00	45.89 3.04 0.00	46.83 3.18 0.00	50.33 3.51 0.00	58.48 4.48 0.00	84.33 5.72 -13.66	96.48 6.77 -11.88	102.32 6.44 -21.03	85.95 6.04 -9.73	82.90 5.61 -12.09	66.00 5.11 0.00	62.16 4.76 0.00
DANC__LFGE 323619	41.42 0.49 0.00	39.83 0.39 0.00	38.95 0.35 0.00	38.03 0.30 0.00	38.77 0.31 0.00	38.93 0.27 0.00	42.56 0.17 0.00	44.21 0.27 0.00	42.36 0.13 0.00	39.77 0.04 0.00	43.76 0.04 0.00	44.55 0.00 0.00	43.35 0.09 0.00	42.85 0.00 0.00	43.64 0.00 0.00	47.00 0.19 0.00	54.33 0.33 0.00	65.53 0.58 0.00	79.48 1.64 0.00	76.34 1.50 0.00	71.80 1.62 0.00	66.83 1.63 0.00	62.22 1.34 0.00	58.66 1.26 0.00
DANSKAMMER__1 23586	42.77 1.84 0.00	41.17 1.73 0.00	40.22 1.62 0.00	39.35 1.62 0.00	40.15 1.69 0.00	40.32 1.66 0.00	44.38 1.99 0.00	45.97 2.02 0.00	44.26 2.03 0.00	41.64 1.91 0.00	45.77 2.06 0.00	46.64 2.09 0.00	45.26 1.99 0.00	44.86 2.01 0.00	45.74 2.09 0.00	48.97 2.15 0.00	56.65 2.65 0.00	69.81 3.44 -1.43	83.13 4.05 -1.24	81.09 4.04 -2.20	74.85 3.65 -1.02	69.60 3.13 -1.27	63.50 2.62 0.00	59.58 2.18 0.00
DANSKAMMER__2 23589	42.77 1.84 0.00	41.17 1.73 0.00	40.22 1.62 0.00	39.35 1.62 0.00	40.15 1.69 0.00	40.32 1.66 0.00	44.38 1.99 0.00	45.97 2.02 0.00	44.26 2.03 0.00	41.64 1.91 0.00	45.77 2.06 0.00	46.64 2.09 0.00	45.26 1.99 0.00	44.86 2.01 0.00	45.74 2.09 0.00	48.97 2.15 0.00	56.65 2.65 0.00	69.81 3.44 -1.43	83.13 4.05 -1.24	81.09 4.04 -2.20	74.85 3.65 -1.02	69.60 3.13 -1.27	63.50 2.62 0.00	59.58 2.18 0.00
DANSKAMMER__3 23590	42.77 1.84 0.00	41.17 1.73 0.00	40.22 1.62 0.00	39.35 1.62 0.00	40.15 1.69 0.00	40.32 1.66 0.00	44.38 1.99 0.00	45.97 2.02 0.00	44.26 2.03 0.00	41.64 1.91 0.00	45.77 2.06 0.00	46.64 2.09 0.00	45.26 1.99 0.00	44.86 2.01 0.00	45.74 2.09 0.00	48.97 2.15 0.00	56.65 2.65 0.00	69.81 3.44 -1.43	83.13 4.05 -1.24	81.09 4.04 -2.20	74.85 3.65 -1.02	69.60 3.13 -1.27	63.50 2.62 0.00	59.58 2.18 0.00



DANSKAMMER___4 23591	42.77 1.84 0.00	41.17 1.73 0.00	40.22 1.62 0.00	39.35 1.62 0.00	40.15 1.69 0.00	40.32 1.66 0.00	44.38 1.99 0.00	45.97 2.02 0.00	44.26 2.03 0.00	41.64 1.91 0.00	45.77 2.06 0.00	46.64 2.09 0.00	45.26 1.99 0.00	44.86 2.01 0.00	45.74 2.09 0.00	48.97 2.15 0.00	56.65 2.65 0.00	69.81 3.44 -1.43	83.13 4.05 -1.24	81.09 4.04 -2.20	74.85 3.65 -1.02	69.60 3.13 -1.27	63.50 2.62 0.00	59.58 2.18 0.00
DANSKAMMER___DIESEL 23592	42.72 1.80 0.00	41.17 1.74 0.00	40.22 1.62 0.00	39.36 1.62 0.00	40.15 1.69 0.00	40.32 1.66 0.00	44.38 1.99 0.00	45.88 1.93 0.00	44.22 1.99 0.00	41.64 1.91 0.00	45.77 2.05 0.00	46.64 2.09 0.00	45.26 1.99 0.00	44.86 2.01 0.00	45.70 2.05 0.00	48.92 2.11 0.00	56.59 2.59 0.00	69.82 3.44 -1.43	83.13 4.05 -1.24	81.09 4.04 -2.20	74.85 3.65 -1.02	69.60 3.13 -1.27	63.50 2.62 0.00	59.58 2.18 0.00
DARBY___SOLAR 323810	43.58 2.66 0.00	42.00 2.56 0.00	41.11 2.51 0.00	40.18 2.45 0.00	40.92 2.46 0.00	41.17 2.51 0.00	45.27 2.88 0.00	46.85 2.90 0.00	44.94 2.71 0.00	42.20 2.46 0.00	46.47 2.76 0.00	47.58 3.03 0.00	46.04 2.77 0.00	45.67 2.83 0.00	46.57 2.92 0.00	50.04 3.23 0.00	58.16 4.16 0.00	83.73 5.26 -13.53	95.83 6.23 -11.76	101.66 5.99 -20.82	85.36 5.54 -9.63	82.32 5.15 -11.97	65.57 4.69 0.00	61.76 4.36 0.00
DASHVILLE___HYD 23610	42.52 1.60 0.00	40.98 1.54 0.00	40.07 1.47 0.00	39.20 1.47 0.00	39.96 1.50 0.00	40.13 1.47 0.00	44.13 1.74 0.00	45.57 1.63 0.00	43.88 1.65 0.00	41.28 1.55 0.00	45.33 1.62 0.00	46.19 1.65 0.00	44.87 1.60 0.00	44.48 1.63 0.00	45.26 1.61 0.00	48.45 1.64 0.00	56.05 2.05 0.00	69.01 1.95 -2.12	82.02 2.34 -1.84	80.50 2.40 -3.26	73.87 2.18 -1.51	68.77 1.70 -1.88	63.07 2.19 0.00	59.30 1.89 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	46.13 2.91 -2.30	44.35 2.80 -2.11	41.00 2.39 0.00	40.22 2.49 0.00	41.19 2.73 0.00	44.13 2.78 -2.69	45.73 3.18 -0.16	47.20 3.25 0.00	47.51 3.38 -1.89	42.71 2.98 0.00	46.60 2.89 0.00	47.26 2.72 0.00	45.95 2.68 0.00	45.55 2.70 0.00	46.61 2.97 0.00	53.71 3.23 -3.66	65.53 3.89 -7.64	92.24 5.26 -22.03	100.74 6.54 -16.36	95.94 6.21 -14.88	82.61 5.47 -6.95	79.55 4.89 -9.45	72.61 4.44 -7.29	68.01 4.31 -6.30
DELAWARE___LFGE 323621	41.91 0.98 0.00	40.38 0.95 0.00	39.57 0.97 0.00	38.68 0.94 0.00	39.42 0.96 0.00	39.59 0.93 0.00	43.41 1.02 0.00	45.05 1.10 0.00	43.29 1.06 0.00	40.77 1.03 0.00	44.76 1.05 0.00	45.61 1.07 0.00	44.31 1.04 0.00	43.88 1.03 0.00	44.69 1.05 0.00	47.99 1.17 0.00	55.41 1.40 0.00	68.70 1.75 -2.00	81.84 2.26 -1.74	80.02 2.10 -3.08	73.58 1.97 -1.42	68.73 1.76 -1.77	62.34 1.46 0.00	58.78 1.38 0.00
DERFIELD_115KV_TB7 355931	41.05 0.12 0.00	39.56 0.12 0.00	38.76 0.15 0.00	37.88 0.15 0.00	38.58 0.12 0.00	38.77 0.12 0.00	42.52 0.13 0.00	44.08 0.13 0.00	42.40 0.17 0.00	39.89 0.16 0.00	43.89 0.17 0.00	44.72 0.18 0.00	43.44 0.17 0.00	43.02 0.17 0.00	43.82 0.17 0.00	47.00 0.19 0.00	54.27 0.27 0.00	65.33 0.39 0.00	78.38 0.54 0.00	75.37 0.52 0.00	70.68 0.49 0.00	65.59 0.39 0.00	61.19 0.30 0.00	57.69 0.29 0.00
DOGLEVILLE___HYD 23807	41.29 0.37 0.00	39.83 0.39 0.00	39.03 0.43 0.00	38.11 0.38 0.00	38.81 0.35 0.00	39.01 0.35 0.00	42.77 0.38 0.00	44.30 0.35 0.00	42.49 0.25 0.00	39.93 0.20 0.00	43.80 0.09 0.00	44.59 0.04 0.00	43.27 0.00 0.00	42.80 -0.04 0.00	43.60 -0.04 0.00	46.68 -0.14 0.00	54.00 0.00 0.00	65.08 0.13 0.00	78.15 0.31 0.00	75.22 0.38 0.00	70.54 0.35 0.00	65.72 0.52 0.00	61.31 0.43 0.00	57.81 0.40 0.00
DUNKIRK___115KV_TB_200 55889	39.29 -1.64 0.00	37.90 -1.54 0.00	37.02 -1.58 0.00	36.19 -1.55 0.00	37.08 -1.38 0.00	37.46 -1.20 0.00	40.14 -2.25 0.00	41.66 -2.29 0.00	39.66 -2.58 0.00	37.27 -2.46 0.00	40.61 -3.10 0.00	41.38 -3.16 0.00	40.11 -3.16 0.00	39.89 -2.96 0.00	40.50 -3.14 0.00	43.49 -3.32 0.00	49.79 -4.21 0.00	59.29 -5.65 0.00	71.61 -6.23 0.00	68.41 -6.44 0.00	64.36 -5.83 0.00	60.51 -4.69 0.00	57.05 -3.84 0.00	55.11 -2.30 0.00
DUNKIRK___1 23563	39.29 -1.64 0.00	37.90 -1.54 0.00	37.02 -1.58 0.00	36.19 -1.55 0.00	37.08 -1.38 0.00	37.46 -1.20 0.00	40.14 -2.25 0.00	41.66 -2.29 0.00	39.66 -2.58 0.00	37.27 -2.46 0.00	40.61 -3.10 0.00	41.38 -3.16 0.00	40.11 -3.16 0.00	39.89 -2.96 0.00	40.50 -3.14 0.00	43.49 -3.32 0.00	49.79 -4.21 0.00	59.29 -5.65 0.00	71.61 -6.23 0.00	68.41 -6.44 0.00	64.36 -5.83 0.00	60.51 -4.69 0.00	57.05 -3.84 0.00	55.11 -2.30 0.00
DUNKIRK___2 23564	39.29 -1.64 0.00	37.90 -1.54 0.00	37.02 -1.58 0.00	36.19 -1.55 0.00	37.08 -1.38 0.00	37.46 -1.20 0.00	40.14 -2.25 0.00	41.66 -2.29 0.00	39.66 -2.58 0.00	37.27 -2.46 0.00	40.61 -3.10 0.00	41.38 -3.16 0.00	40.11 -3.16 0.00	39.89 -2.96 0.00	40.50 -3.14 0.00	43.49 -3.32 0.00	49.79 -4.21 0.00	59.29 -5.65 0.00	71.61 -6.23 0.00	68.41 -6.44 0.00	64.36 -5.83 0.00	60.51 -4.69 0.00	57.05 -3.84 0.00	55.11 -2.30 0.00
DUNKIRK___3 23565	39.29 -1.64 0.00	37.90 -1.54 0.00	37.06 -1.54 0.00	36.19 -1.55 0.00	37.08 -1.38 0.00	37.42 -1.24 0.00	40.14 -2.25 0.00	41.62 -2.33 0.00	39.62 -2.62 0.00	37.27 -2.46 0.00	40.57 -3.15 0.00	41.34 -3.21 0.00	40.11 -3.16 0.00	39.85 -3.00 0.00	40.46 -3.19 0.00	43.45 -3.37 0.00	49.74 -4.27 0.00	59.23 -5.72 0.00	71.46 -6.38 0.00	68.34 -6.51 0.00	64.22 -5.97 0.00	60.31 -4.89 0.00	56.86 -4.02 0.00	54.88 -2.53 0.00
DUNKIRK___4 23566	39.29 -1.64 0.00	37.90 -1.54 0.00	37.06 -1.54 0.00	36.19 -1.55 0.00	37.08 -1.38 0.00	37.42 -1.24 0.00	40.14 -2.25 0.00	41.62 -2.33 0.00	39.62 -2.62 0.00	37.27 -2.46 0.00	40.57 -3.15 0.00	41.34 -3.21 0.00	40.11 -3.16 0.00	39.85 -3.00 0.00	40.46 -3.19 0.00	43.45 -3.37 0.00	49.74 -4.27 0.00	59.23 -5.72 0.00	71.46 -6.38 0.00	68.34 -6.51 0.00	64.22 -5.97 0.00	60.31 -4.89 0.00	56.86 -4.02 0.00	54.88 -2.53 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	42.68 1.76 0.00	41.13 1.70 0.00	40.15 1.54 0.00	39.28 1.55 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.34 1.95 0.00	45.92 1.98 0.00	44.35 2.11 0.00	41.80 2.07 0.00	45.94 2.23 0.00	46.82 2.27 0.00	45.47 2.21 0.00	45.03 2.19 0.00	45.83 2.18 0.00	49.02 2.20 0.00	56.54 2.54 0.00	69.61 3.25 -1.42	85.35 3.81 -3.70	87.55 3.67 -9.04	80.52 3.44 -6.90	72.64 2.80 -4.64	64.93 2.37 -1.67	59.41 2.01 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	42.36 1.43 0.00	40.86 1.42 0.00	39.91 1.31 0.00	39.05 1.32 0.00	39.84 1.38 0.00	40.01 1.35 0.00	44.04 1.65 0.00	45.53 1.58 0.00	43.88 1.65 0.00	41.32 1.59 0.00	45.38 1.66 0.00	46.24 1.69 0.00	44.91 1.64 0.00	44.48 1.63 0.00	45.30 1.66 0.00	48.50 1.69 0.00	56.00 2.00 0.00	68.99 2.66 -1.39	81.12 3.11 -0.17	77.18 3.07 0.74	71.58 2.88 1.48	67.36 2.35 0.19	62.07 1.89 0.70	58.95 1.55 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	42.90 1.96 -0.01	41.25 1.81 0.00	40.22 1.62 0.00	39.24 1.51 0.00	40.04 1.58 0.00	40.17 1.51 0.00	44.34 1.95 0.00	45.92 1.98 0.00	44.39 2.15 0.00	41.92 2.19 0.00	46.03 2.32 0.00	46.91 2.36 0.00	45.60 2.34 0.01	45.15 2.31 0.01	45.91 2.27 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.48 3.12 -1.42	85.19 3.66 -3.69	87.62 3.74 -9.03	80.59 3.51 -6.89	72.51 2.67 -4.63	64.86 2.31 -1.67	59.71 2.30 -0.01
E179THST_13_KV_LOAD 356214	43.06 2.13 -0.01	41.37 1.93 0.00	40.38 1.78 0.00	39.39 1.66 0.00	40.15 1.69 0.00	40.28 1.62 0.00	44.51 2.12 0.00	46.10 2.15 0.00	44.56 2.32 0.00	42.08 2.34 0.00	46.21 2.49 0.00	47.08 2.54 0.00	45.77 2.51 0.01	45.32 2.49 0.01	46.09 2.44 0.00	49.25 2.43 0.00	56.76 2.75 0.00	69.80 3.44 -1.42	85.58 4.05 -3.69	87.92 4.04 -9.03	80.94 3.86 -6.89	72.83 3.00 -4.63	65.11 2.56 -1.67	59.94 2.53 -0.01
EAST HAMPTON___GT 23717	45.80 2.58 -2.30	43.99 2.45 -2.11	40.61 2.01 0.00	39.88 2.15 0.00	40.77 2.31 0.00	43.79 2.44 -2.69	45.34 2.80 -0.16	46.89 2.94 0.00	47.30 3.17 -1.89	42.39 2.66 0.00	46.03 2.32 0.00	46.68 2.14 0.00	45.34 2.08 0.00	44.95 2.10 0.00	46.04 2.40 0.00	53.14 2.67 -3.66	64.82 3.19 -7.64	91.39 4.42 -22.03	99.88 5.68 -16.36	95.04 5.31 -14.88	81.77 4.63 -6.95	78.77 4.11 -9.45	71.95 3.78 -7.29	67.66 3.96 -6.30
EAST RIVER___6 23660	42.77 1.84 0.00	41.13 1.69 0.00	40.15 1.55 0.00	39.28 1.55 0.00	40.04 1.58 0.00	40.24 1.59 0.00	44.43 2.03 0.00	46.06 2.11 0.00	44.47 2.24 0.00	41.96 2.22 0.00	46.03 2.32 0.00	46.90 2.36 0.00	45.60 2.33 0.00	45.12 2.27 0.00	45.91 2.27 0.00	49.11 2.29 0.00	56.65 2.65 0.00	69.54 3.18 -1.42	85.20 3.66 -3.70	87.41 3.52 -9.05	80.46 3.37 -6.90	72.58 2.74 -4.64	64.93 2.37 -1.67	59.47 2.06 0.00
EAST RIVER___7 23524	42.77 1.84 0.00	41.13 1.69 0.00	40.15 1.55 0.00	39.28 1.55 0.00	40.04 1.58 0.00	40.24 1.59 0.00	44.43 2.03 0.00	46.06 2.11 0.00	44.47 2.24 0.00	41.96 2.22 0.00	46.03 2.32 0.00	46.90 2.36 0.00	45.60 2.33 0.00	45.12 2.27 0.00	45.91 2.27 0.00	49.11 2.29 0.00	56.65 2.65 0.00	69.54 3.18 -1.42	85.20 3.66 -3.70	87.41 3.52 -9.05	80.46 3.37 -6.90	72.58 2.74 -4.64	64.93 2.37 -1.67	59.47 2.06 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	42.60 1.68 0.00	41.01 1.58 0.00	40.11 1.51 0.00	39.20 1.47 0.00	40.00 1.54 0.00	40.20 1.55 0.00	44.26 1.87 0.00	45.79 1.85 0.00	44.22 1.99 0.00	41.68 1.95 0.00	45.81 2.10 0.00	46.68 2.14 0.00	45.34 2.08 0.00	44.90 2.06 0.00	45.70 2.05 0.00	48.88 2.06 0.00	56.38 2.38 0.00	69.41 3.05 -1.41	85.34 3.58 -3.92	87.95 3.44 -9.66	80.85 3.23 -7.43	72.82 2.67 -4.94	64.90 2.19 -1.82	59.30 1.89 0.00
EAST_HAMPTON___DIESEL 23722	45.72 2.50 -2.30	43.87 2.33 -2.11	40.53 1.93 0.00	39.81 2.07 0.00	40.69 2.23 0.00	43.71 2.36 -2.69	45.26 2.72 -0.16	46.80 2.85 0.00	47.21 3.08 -1.89	42.31 2.58 0.00	45.94 2.23 0.00	46.55 2.01 0.00	45.22 1.95 0.00	44.86 2.01 0.00	45.91 2.27 0.00	53.00 2.53 -3.66	64.72 3.08 -7.64	91.19 4.22 -22.03	99.65 5.45 -16.36	94.82 5.09 -14.88	81.56 4.42 -6.95	78.57 3.91 -9.45	71.76 3.59 -7.29	67.55 3.85 -6.30
EAST_POINT___SOLAR 323840	43.67 2.74 0.00	42.00 2.56 0.00	41.11 2.51 0.00	40.18 2.45 0.00	40.92 2.46 0.00	41.25 2.59 0.00	45.36 2.97 0.00	46.98 3.03 0.00	44.68 2.45 0.00	41.52 1.79 0.00	45.33 1.62 0.00	46.06 1.52 0.00	44.61 1.34 0.00	44.78 1.93 0.00	45.78 2.14 0.00	49.39 2.57 0.00	57.89 3.89 0.00	84.19 5.26 -13.99	96.45 6.46 -12.15	102.73 6.36 -21.52	86.10 5.96 -9.95	83.24 5.67 -12.37	66.00 5.11 0.00	62.05 4.65 0.00
EAST_PULASKI___ESR 323781	41.13 0.21 0.00	39.60 0.16 0.00	38.72 0.12 0.00	37.85 0.11 0.00	38.58 0.12 0.00	38.77 0.12 0.00	42.35 -0.04 0.00	43.95 0.00 0.00	42.19 -0.04 0.00	39.69 -0.04 0.00	43.67 -0.04 0.00	44.50 -0.04 0.00	43.22 -0.04 0.00	42.72 -0.13 0.00	43.56 -0.09 0.00	46.86 0.05 0.00	54.06 0.05 0.00	65.21 0.26 0.00	78.70 0.86 0.00	75.52 0.67 0.00	70.96 0.77 0.00	65.99 0.79 0.00	61.49 0.61 0.00	58.03 0.63 0.00
EAST_RIVER___1 323558	42.81 1.88 0.00	41.17 1.73 0.00	40.22 1.62 0.00	39.32 1.58 0.00	40.11 1.65 0.00	40.32 1.66 0.00	44.47 2.08 0.00	46.10 2.15 0.00	44.51 2.28 0.00	42.00 2.26 0.00	46.07 2.36 0.00	46.95 2.40 0.00	45.65 2.38 0.00	45.16 2.31 0.00	46.00 2.36 0.00	49.16 2.34 0.00	56.70 2.70 0.00	69.67 3.31 -1.42	85.43 3.89 -3.70	87.64 3.74 -9.05	80.60 3.51 -6.91	72.71 2.87 -4.64	65.05 2.50 -1.67	59.53 2.13 0.00
EAST_RIVER___2 323559	42.77 1.84 0.00	41.13 1.69 0.00	40.15 1.55 0.00	39.28 1.55 0.00	40.04 1.58 0.00	40.24 1.59 0.00	44.43 2.03 0.00	46.06 2.11 0.00	44.47 2.24 0.00	41.96 2.22 0.00	46.03 2.32 0.00	46.90 2.36 0.00	45.60 2.33 0.00	45.12 2.27 0.00	45.91 2.27 0.00	49.11 2.29 0.00	56.65 2.65 0.00	69.54 3.18 -1.42	85.20 3.66 -3.70	87.41 3.52 -9.05	80.46 3.37 -6.90	72.58 2.74 -4.64	64.93 2.37 -1.67	59.47 2.06 0.00
EAST___DELAWARE_HYD 23607	42.23 1.31 0.00	40.66 1.22 0.00	39.76 1.16 0.00	38.90 1.17 0.00	39.65 1.19 0.00	39.86 1.20 0.00	43.87 1.48 0.00	45.40 1.45 0.00	43.67 1.44 0.00	41.08 1.35 0.00	45.07 1.36 0.00	45.93 1.38 0.00	44.56 1.30 0.00	44.18 1.33 0.00	45.00 1.35 0.00	48.27 1.45 0.00	55.84 1.84 0.00	68.93 2.53 -1.46	81.49 3.19 -0.46	77.98 3.14 0.02	72.16 2.88 0.90	67.72 2.34 -0.18	62.28 1.95 0.55	58.95 1.55 0.00
EIGHT_POINT___WT_PWR 323820	39.17 -1.76 0.00	37.98 -1.46 0.00	37.25 -1.35 0.00	36.41 -1.32 0.00	37.11 -1.35 0.00	37.38 -1.27 0.00	40.31 -2.08 0.00	41.75 -2.20 0.00	39.78 -2.45 0.00	37.43 -2.31 0.00	40.61 -3.10 0.00	41.34 -3.21 0.00	39.80 -3.46 0.00	39.21 -3.64 0.00	39.98 -3.67 0.00	43.07 -3.75 0.00	49.85 -4.16 0.00	60.70 -4.61 -0.36	73.40 -4.75 -0.31	70.61 -4.79 -0.56	66.09 -4.35 -0.26	61.74 -3.78 -0.32	57.53 -3.35 0.00	54.99 -2.41 0.00
ELBRIDGE_115KV_TB2 80188	40.19 -0.74 0.00	38.69 -0.75 0.00	37.91 -0.69 0.00	37.05 -0.68 0.00	37.81 -0.65 0.00	38.00 -0.66 0.00	41.59 -0.81 0.00	43.16 -0.79 0.00	41.43 -0.80 0.00	38.98 -0.75 0.00	42.84 -0.87 0.00	43.65 -0.89 0.00	42.40 -0.87 0.00	41.95 -0.90 0.00	42.77 -0.87 0.00	45.93 -0.89 0.00	52.98 -1.03 0.00	63.71 -1.23 0.00	76.52 -1.32 0.00	73.43 -1.42 0.00	68.78 -1.40 0.00	63.90 -1.30 0.00	59.73 -1.16 0.00	56.43 -0.98 0.00
ELEC_TRO_TEK 24086	45.52 2.29 -2.30	43.76 2.21 -2.11	40.53 1.93 0.00	39.70 1.96 0.00	40.54 2.08 0.00	43.48 2.13 -2.69	45.09 2.54 -0.16	46.45 2.50 0.00	46.75 2.62 -1.89	42.16 2.42 0.00	46.34 2.62 0.00	47.17 2.63 0.00	45.86 2.60 0.00	45.46 2.61 0.00	46.31 2.66 0.00	53.24 2.76 -3.66	64.77 3.13 -7.64	90.94 3.96 -22.03	98.95 4.75 -16.36	94.29 4.57 -14.88	81.28 4.14 -6.95	78.24 3.59 -9.45	71.28 3.11 -7.29	66.46 2.76 -6.30



ELLENBURG_WT_PWR 323604	41.01 0.08 0.00	39.44 0.00 0.00	38.49 -0.12 0.00	37.43 -0.30 0.00	38.11 -0.35 0.00	38.39 -0.27 0.00	42.35 -0.04 0.00	44.12 0.18 0.00	42.40 0.17 0.00	39.77 0.04 0.00	43.63 -0.09 0.00	44.32 -0.22 0.00	43.10 -0.17 0.00	42.68 -0.17 0.00	43.38 -0.26 0.00	46.39 -0.42 0.00	53.36 -0.65 0.00	63.78 -1.17 0.00	76.36 -1.48 0.00	73.58 -1.27 0.00	68.99 -1.19 0.00	64.49 -0.72 0.00	60.46 -0.42 0.00	57.00 -0.40 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	38.96 -1.96 0.00	37.54 -1.89 0.00	36.71 -1.89 0.00	35.88 -1.85 0.00	36.77 -1.69 0.00	37.11 -1.55 0.00	39.68 -2.71 0.00	41.27 -2.68 0.00	39.24 -3.00 0.00	36.87 -2.86 0.00	40.17 -3.54 0.00	40.94 -3.61 0.00	39.72 -3.55 0.00	39.51 -3.34 0.00	40.11 -3.54 0.00	43.07 -3.75 0.00	49.25 -4.75 0.00	58.45 -6.49 0.00	70.44 -7.39 0.00	67.29 -7.56 0.00	63.17 -7.02 0.00	59.33 -5.87 0.00	56.07 -4.81 0.00	54.13 -3.27 0.00
EMPIRE_CC_1 323656	42.07 1.14 0.00	40.74 1.30 0.00	39.87 1.27 0.00	39.02 1.28 0.00	39.77 1.31 0.00	39.93 1.27 0.00	43.83 1.44 0.00	45.40 1.45 0.00	43.67 1.44 0.00	41.16 1.43 0.00	45.42 1.70 0.00	46.33 1.78 0.00	44.95 1.69 0.00	44.52 1.67 0.00	45.39 1.75 0.00	48.64 1.82 0.00	56.22 2.21 0.00	71.65 2.66 -4.04	84.47 3.12 -3.51	84.13 3.07 -6.22	75.87 2.81 -2.88	71.25 2.48 -3.57	63.14 2.25 0.00	59.41 2.01 0.00
EMPIRE_CC_2 323658	42.07 1.14 0.00	40.74 1.30 0.00	39.87 1.27 0.00	39.02 1.28 0.00	39.77 1.31 0.00	39.93 1.27 0.00	43.83 1.44 0.00	45.40 1.45 0.00	43.67 1.44 0.00	41.16 1.43 0.00	45.42 1.70 0.00	46.33 1.78 0.00	44.95 1.69 0.00	44.52 1.67 0.00	45.39 1.75 0.00	48.64 1.82 0.00	56.22 2.21 0.00	71.65 2.66 -4.04	84.47 3.12 -3.51	84.13 3.07 -6.22	75.87 2.81 -2.88	71.25 2.48 -3.57	63.14 2.25 0.00	59.41 2.01 0.00
ENORWICH_115KV_TB1 80156	43.30 2.37 0.00	41.65 2.21 0.00	40.84 2.24 0.00	39.96 2.23 0.00	40.73 2.27 0.00	41.13 2.47 0.00	45.06 2.67 0.00	46.89 2.94 0.00	44.94 2.70 0.00	42.12 2.38 0.00	45.99 2.27 0.00	46.82 2.27 0.00	45.30 2.03 0.00	44.73 1.89 0.00	45.74 2.09 0.00	49.48 2.67 0.00	57.40 3.40 0.00	70.28 4.42 -0.92	85.18 6.54 -0.80	81.95 5.69 -1.41	76.17 5.33 -0.65	71.10 5.09 -0.81	65.33 4.44 0.00	61.71 4.31 0.00
ERIE_ST__34_KV_TB1-2 80199	39.90 -1.02 0.00	38.49 -0.95 0.00	37.68 -0.93 0.00	36.79 -0.94 0.00	37.73 -0.73 0.00	38.04 -0.62 0.00	40.78 -1.61 0.00	42.32 -1.63 0.00	40.29 -1.94 0.00	37.90 -1.83 0.00	41.27 -2.45 0.00	42.05 -2.49 0.00	40.80 -2.47 0.00	40.53 -2.31 0.00	41.20 -2.44 0.00	44.24 -2.57 0.00	50.60 -3.40 0.00	60.20 -4.74 0.00	72.62 -5.22 0.00	69.38 -5.46 0.00	65.20 -4.98 0.00	61.16 -4.04 0.00	57.66 -3.23 0.00	55.62 -1.78 0.00
ERIE_WT_PWR 323693	39.12 -1.80 0.00	37.78 -1.65 0.00	36.98 -1.62 0.00	36.15 -1.58 0.00	37.04 -1.42 0.00	37.34 -1.31 0.00	39.98 -2.41 0.00	41.31 -2.64 0.00	39.41 -2.83 0.00	37.15 -2.58 0.00	40.48 -3.23 0.00	41.25 -3.30 0.00	40.02 -3.25 0.00	39.72 -3.13 0.00	40.29 -3.36 0.00	43.21 -3.60 0.00	49.30 -4.70 0.00	58.97 -5.97 0.00	71.14 -6.69 0.00	67.89 -6.96 0.00	63.80 -6.39 0.00	59.92 -5.28 0.00	56.50 -4.38 0.00	54.65 -2.75 0.00
ESPRGFLD_115KV_TB1 80157	42.52 1.60 0.00	40.94 1.50 0.00	40.07 1.47 0.00	39.17 1.43 0.00	39.92 1.46 0.00	40.17 1.51 0.00	44.09 1.70 0.00	45.75 1.80 0.00	43.84 1.60 0.00	41.12 1.39 0.00	45.07 1.36 0.00	45.88 1.34 0.00	44.48 1.21 0.00	44.18 1.33 0.00	45.04 1.40 0.00	48.45 1.64 0.00	56.22 2.21 0.00	77.96 2.99 -10.03	90.45 3.89 -8.71	93.95 3.67 -15.43	80.76 3.44 -7.14	77.33 3.26 -8.87	63.68 2.80 0.00	59.98 2.58 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	41.33 0.41 0.00	39.79 0.35 0.00	38.99 0.39 0.00	38.11 0.38 0.00	38.88 0.42 0.00	39.12 0.46 0.00	42.77 0.38 0.00	44.43 0.48 0.00	42.57 0.34 0.00	40.01 0.28 0.00	43.93 0.22 0.00	44.72 0.18 0.00	43.40 0.13 0.00	42.89 0.04 0.00	43.73 0.09 0.00	47.10 0.28 0.00	54.38 0.38 0.00	66.02 0.65 -0.43	79.38 1.17 -0.37	76.41 0.90 -0.66	71.33 0.84 -0.31	66.30 0.72 -0.38	61.55 0.67 0.00	58.21 0.80 0.00
ETNA____115KV_TB2 80207	41.33 0.41 0.00	39.79 0.35 0.00	38.99 0.39 0.00	38.11 0.38 0.00	38.88 0.42 0.00	39.12 0.46 0.00	42.77 0.38 0.00	44.43 0.48 0.00	42.57 0.34 0.00	40.01 0.28 0.00	43.93 0.22 0.00	44.72 0.18 0.00	43.40 0.13 0.00	42.89 0.04 0.00	43.73 0.09 0.00	47.10 0.28 0.00	54.38 0.38 0.00	66.02 0.65 -0.43	79.38 1.17 -0.37	76.41 0.90 -0.66	71.33 0.84 -0.31	66.30 0.72 -0.38	61.55 0.67 0.00	58.21 0.80 0.00
EUCLID____115KV_TB2 356179	39.94 -0.98 0.00	38.49 -0.95 0.00	37.68 -0.93 0.00	36.87 -0.87 0.00	37.58 -0.88 0.00	37.77 -0.89 0.00	41.33 -1.06 0.00	42.89 -1.05 0.00	41.18 -1.06 0.00	38.74 -0.99 0.00	42.62 -1.09 0.00	43.43 -1.11 0.00	42.19 -1.08 0.00	41.73 -1.11 0.00	42.55 -1.09 0.00	45.69 -1.12 0.00	52.65 -1.35 0.00	63.32 -1.62 0.00	75.97 -1.87 0.00	72.90 -1.95 0.00	68.36 -1.82 0.00	63.51 -1.70 0.00	59.30 -1.58 0.00	56.02 -1.38 0.00
E_CANADA_CAP_HY 24051	43.05 2.13 0.00	41.41 1.97 0.00	40.57 1.97 0.00	39.62 1.89 0.00	40.38 1.92 0.00	40.67 2.01 0.00	44.68 2.29 0.00	46.32 2.37 0.00	44.26 2.03 0.00	41.36 1.63 0.00	45.33 1.62 0.00	46.15 1.60 0.00	44.69 1.43 0.00	44.52 1.67 0.00	45.48 1.83 0.00	48.87 2.06 0.00	56.92 2.91 0.00	81.91 3.96 -13.00	94.12 4.99 -11.30	99.72 4.86 -20.01	84.00 4.56 -9.25	81.20 4.50 -11.50	64.84 3.96 0.00	61.02 3.62 0.00
E_CANADA_MHWK_HY 24050	41.29 0.37 0.00	39.83 0.39 0.00	39.03 0.43 0.00	38.11 0.38 0.00	38.81 0.35 0.00	39.01 0.35 0.00	42.77 0.38 0.00	44.30 0.35 0.00	42.49 0.25 0.00	39.93 0.20 0.00	43.80 0.09 0.00	44.59 0.04 0.00	43.27 0.00 0.00	42.80 -0.04 0.00	43.60 -0.04 0.00	46.68 -0.14 0.00	54.00 0.00 0.00	65.08 0.13 0.00	78.15 0.31 0.00	75.22 0.38 0.00	70.54 0.35 0.00	65.72 0.52 0.00	61.31 0.43 0.00	57.81 0.40 0.00
E_FISHKILL____LBMP 23776	42.36 1.43 0.00	40.86 1.42 0.00	39.95 1.35 0.00	39.05 1.32 0.00	39.84 1.38 0.00	40.01 1.35 0.00	44.04 1.65 0.00	45.57 1.63 0.00	43.97 1.73 0.00	41.44 1.71 0.00	45.60 1.88 0.00	46.46 1.92 0.00	45.13 1.86 0.00	44.69 1.84 0.00	45.48 1.83 0.00	48.69 1.87 0.00	56.16 2.16 0.00	69.11 2.73 -1.43	83.08 3.19 -2.05	82.44 3.14 -4.45	76.01 2.88 -2.95	69.99 2.41 -2.37	63.44 2.01 -0.55	59.12 1.72 0.00
FALCON____SEABRD_CC1 323796	41.29 0.37 0.00	39.72 0.28 0.00	38.64 0.04 0.00	37.51 -0.23 0.00	38.19 -0.27 0.00	38.54 -0.12 0.00	42.60 0.21 0.00	44.43 0.48 0.00	42.66 0.42 0.00	39.93 0.20 0.00	43.76 0.04 0.00	44.32 -0.22 0.00	43.01 -0.26 0.00	42.59 -0.26 0.00	43.29 -0.35 0.00	46.30 -0.51 0.00	53.14 -0.87 0.00	63.39 -1.56 0.00	75.97 -1.87 0.00	73.13 -1.72 0.00	68.64 -1.54 0.00	64.29 -0.91 0.00	60.39 -0.49 0.00	56.88 -0.52 0.00



FALCON___SEABRD_CC2 323797	41.29 0.37 0.00	39.72 0.28 0.00	38.64 0.04 0.00	37.51 -0.23 0.00	38.19 -0.27 0.00	38.54 -0.12 0.00	42.60 0.21 0.00	44.43 0.48 0.00	42.66 0.42 0.00	39.93 0.20 0.00	43.76 0.04 0.00	44.32 -0.22 0.00	43.01 -0.26 0.00	42.59 -0.26 0.00	43.29 -0.35 0.00	46.30 -0.51 0.00	53.14 -0.87 0.00	63.39 -1.56 0.00	75.97 -1.87 0.00	73.13 -1.72 0.00	68.64 -1.54 0.00	64.29 -0.91 0.00	60.39 -0.49 0.00	56.88 -0.52 0.00
FAR ROCKAWAY___4 23548	45.97 2.74 -2.30	44.19 2.64 -2.11	40.96 2.35 0.00	40.11 2.38 0.00	40.96 2.50 0.00	43.94 2.59 -2.69	45.56 3.01 -0.16	46.94 2.99 0.00	47.21 3.08 -1.89	42.55 2.82 0.00	46.82 3.10 0.00	47.62 3.07 0.00	46.30 3.03 0.00	45.89 3.04 0.00	46.79 3.14 0.00	53.80 3.32 -3.66	65.42 3.78 -7.64	91.78 4.81 -22.03	100.04 5.84 -16.36	95.27 5.54 -14.88	82.19 5.05 -6.95	79.09 4.43 -9.45	72.07 3.90 -7.29	67.20 3.50 -6.30
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	42.72 1.80 0.00	41.13 1.70 0.00	40.18 1.58 0.00	39.32 1.58 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.43 2.03 0.00	45.97 2.02 0.00	44.43 2.20 0.00	41.92 2.19 0.00	46.03 2.32 0.00	46.91 2.36 0.00	45.60 2.34 0.00	45.12 2.27 0.00	45.91 2.27 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.61 3.25 -1.42	85.35 3.81 -3.70	87.63 3.74 -9.04	80.60 3.51 -6.90	72.64 2.80 -4.64	64.93 2.37 -1.67	59.47 2.07 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	42.72 1.80 0.00	41.13 1.70 0.00	40.18 1.58 0.00	39.32 1.58 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.43 2.03 0.00	45.97 2.02 0.00	44.43 2.20 0.00	41.92 2.19 0.00	46.03 2.32 0.00	46.91 2.36 0.00	45.60 2.34 0.00	45.12 2.27 0.00	45.91 2.27 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.61 3.25 -1.42	85.35 3.81 -3.70	87.63 3.74 -9.04	80.60 3.51 -6.90	72.71 2.87 -4.64	64.99 2.44 -1.67	59.53 2.12 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	42.72 1.80 0.00	41.13 1.70 0.00	40.18 1.58 0.00	39.28 1.55 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.38 1.99 0.00	45.97 2.02 0.00	44.39 2.15 0.00	41.92 2.19 0.00	45.99 2.27 0.00	46.91 2.36 0.00	45.56 2.29 0.00	45.12 2.27 0.00	45.91 2.27 0.00	49.02 2.20 0.00	56.54 2.54 0.00	69.61 3.25 -1.42	85.27 3.74 -3.70	87.56 3.67 -9.04	80.53 3.44 -6.90	72.64 2.80 -4.64	64.93 2.37 -1.67	59.47 2.07 0.00
FARRAGUT___LBMP 323566	42.68 1.76 0.00	41.09 1.66 0.00	40.15 1.54 0.00	39.28 1.55 0.00	40.04 1.58 0.00	40.24 1.59 0.00	44.38 1.99 0.00	45.92 1.98 0.00	44.39 2.15 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.56 2.29 0.00	45.08 2.23 0.00	45.87 2.23 0.00	49.02 2.20 0.00	56.49 2.48 0.00	69.54 3.18 -1.42	85.27 3.74 -3.70	87.48 3.59 -9.04	80.53 3.44 -6.90	72.58 2.74 -4.64	64.87 2.31 -1.67	59.41 2.01 0.00
FENNER___WINDPWR 24204	41.50 0.57 0.00	39.95 0.51 0.00	39.10 0.50 0.00	38.22 0.49 0.00	38.96 0.50 0.00	39.20 0.54 0.00	42.90 0.51 0.00	44.52 0.57 0.00	42.74 0.51 0.00	40.21 0.48 0.00	44.20 0.48 0.00	44.99 0.45 0.00	43.70 0.43 0.00	43.23 0.38 0.00	44.04 0.39 0.00	47.38 0.56 0.00	54.76 0.76 0.00	65.98 1.04 0.00	79.48 1.64 0.00	76.27 1.42 0.00	71.52 1.33 0.00	66.38 1.17 0.00	61.92 1.03 0.00	58.38 0.97 0.00
FIBERTEK___ENERGY 23856	40.56 -0.37 0.00	39.08 -0.35 0.00	38.25 -0.35 0.00	37.39 -0.34 0.00	38.15 -0.31 0.00	38.35 -0.31 0.00	41.97 -0.42 0.00	43.55 -0.40 0.00	41.81 -0.42 0.00	39.37 -0.36 0.00	43.32 -0.39 0.00	44.14 -0.40 0.00	42.88 -0.39 0.00	42.42 -0.43 0.00	43.21 -0.44 0.00	46.44 -0.37 0.00	53.57 -0.43 0.00	64.43 -0.52 0.00	77.37 -0.47 0.00	74.25 -0.60 0.00	69.62 -0.56 0.00	64.61 -0.59 0.00	60.33 -0.55 0.00	57.06 -0.34 0.00
FITZPATRICK____ 23598	39.37 -1.56 0.00	37.94 -1.50 0.00	37.14 -1.47 0.00	36.30 -1.43 0.00	37.04 -1.42 0.00	37.23 -1.43 0.00	40.74 -1.65 0.00	42.23 -1.71 0.00	40.54 -1.69 0.00	38.14 -1.59 0.00	41.97 -1.75 0.00	42.76 -1.78 0.00	41.54 -1.73 0.00	41.13 -1.72 0.00	41.90 -1.75 0.00	44.94 -1.87 0.00	51.84 -2.16 0.00	62.35 -2.60 0.00	74.80 -3.04 0.00	71.85 -3.00 0.00	67.30 -2.88 0.00	62.53 -2.68 0.00	58.45 -2.44 0.00	55.22 -2.18 0.00
FLOWRFLD_69_KV_BK1 356044	46.17 2.95 -2.30	44.39 2.84 -2.11	41.03 2.43 0.00	40.22 2.49 0.00	41.19 2.73 0.00	44.13 2.78 -2.69	45.77 3.22 -0.16	47.20 3.25 0.00	47.46 3.34 -1.89	42.71 2.98 0.00	46.91 3.19 0.00	47.66 3.12 0.00	46.34 3.07 0.00	45.93 3.08 0.00	46.92 3.27 0.00	53.99 3.51 -3.66	65.85 4.21 -7.64	92.43 5.46 -22.03	100.74 6.54 -16.36	95.94 6.21 -14.88	82.83 5.69 -6.95	79.68 5.02 -9.45	72.68 4.51 -7.29	67.78 4.08 -6.30
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	42.81 1.88 0.00	41.25 1.81 0.00	40.30 1.70 0.00	39.43 1.70 0.00	40.19 1.73 0.00	40.40 1.74 0.00	44.47 2.08 0.00	45.97 2.02 0.00	44.30 2.07 0.00	41.72 1.99 0.00	45.86 2.14 0.00	46.73 2.18 0.00	45.34 2.08 0.00	44.95 2.10 0.00	45.78 2.14 0.00	49.02 2.20 0.00	56.70 2.70 0.00	69.95 3.57 -1.43	83.37 4.28 -1.25	81.24 4.19 -2.20	75.07 3.86 -1.02	69.73 3.26 -1.27	63.62 2.74 0.00	59.76 2.35 0.00
FORT ORANGE____ 23900	41.82 0.90 0.00	40.34 0.91 0.00	39.49 0.89 0.00	38.60 0.87 0.00	39.35 0.89 0.00	39.51 0.85 0.00	43.41 1.02 0.00	44.96 1.01 0.00	43.16 0.93 0.00	40.57 0.84 0.00	44.94 1.22 0.00	45.88 1.34 0.00	44.48 1.21 0.00	44.09 1.24 0.00	44.95 1.31 0.00	48.27 1.45 0.00	55.89 1.89 0.00	73.61 2.21 -6.45	86.01 2.56 -5.61	87.32 2.55 -9.93	77.30 2.52 -4.59	73.06 2.15 -5.71	63.01 2.13 0.00	59.29 1.89 0.00
FORT_DRUM_COGEN 23780	42.07 1.15 0.00	40.38 0.95 0.00	39.45 0.85 0.00	38.49 0.75 0.00	39.19 0.73 0.00	39.43 0.77 0.00	43.11 0.72 0.00	44.83 0.88 0.00	42.95 0.72 0.00	40.25 0.52 0.00	44.20 0.48 0.00	44.95 0.40 0.00	43.79 0.52 0.00	43.28 0.43 0.00	44.08 0.44 0.00	47.57 0.75 0.00	55.08 1.08 0.00	66.57 1.62 0.00	81.11 3.27 0.00	78.07 3.22 0.00	73.34 3.16 0.00	68.40 3.19 0.00	63.62 2.74 0.00	59.81 2.41 0.00
FOX_HILLS___ESR 323835	58.00 2.25 -14.83	57.40 2.13 -15.84	57.42 1.97 -16.85	39.56 1.62 -0.21	40.44 1.77 -0.21	40.49 1.62 -0.21	58.28 2.37 -13.52	58.09 2.42 -11.72	58.79 2.53 -14.02	59.13 2.50 -16.89	58.09 2.71 -11.66	58.91 2.76 -11.60	58.85 2.73 -12.85	58.84 2.66 -13.34	58.81 2.66 -12.50	59.13 2.67 -9.65	59.63 2.97 -2.66	69.93 3.57 -1.42	85.66 4.13 -3.69	88.06 4.19 -9.02	81.00 3.93 -6.88	72.90 3.06 -4.63	65.23 2.68 -1.67	62.29 2.64 -2.25
FPL FAR_ROCK_GT1 24212	46.01 2.78 -2.30	44.19 2.64 -2.11	40.96 2.36 0.00	40.11 2.38 0.00	40.96 2.50 0.00	43.94 2.59 -2.69	45.51 2.97 -0.16	47.02 3.08 0.00	47.25 3.13 -1.89	42.59 2.86 0.00	46.82 3.10 0.00	47.62 3.07 0.00	46.34 3.07 0.00	45.89 3.04 0.00	46.83 3.18 0.00	53.85 3.37 -3.66	65.47 3.83 -7.64	91.78 4.81 -22.03	100.05 5.84 -16.36	95.27 5.54 -14.88	82.20 5.06 -6.95	79.09 4.44 -9.45	72.13 3.96 -7.29	67.20 3.50 -6.30



FPL FAR_ROCK_GT2 23815	46.01 2.78 -2.30	44.19 2.64 -2.11	40.96 2.36 0.00	40.11 2.38 0.00	40.96 2.50 0.00	43.94 2.59 -2.69	45.51 2.97 -0.16	47.02 3.08 0.00	47.25 3.13 -1.89	42.59 2.86 0.00	46.82 3.10 0.00	47.62 3.07 0.00	46.34 3.07 0.00	45.89 3.04 0.00	46.83 3.18 0.00	53.85 3.37 -3.66	65.47 3.83 -7.64	91.78 4.81 -22.03	100.05 5.84 -16.36	95.27 5.54 -14.88	82.20 5.06 -6.95	79.09 4.44 -9.45	72.13 3.96 -7.29	67.20 3.50 -6.30
FRANKLIN_FALL_HYD 24054	41.74 0.82 0.00	40.11 0.67 0.00	39.10 0.50 0.00	38.11 0.38 0.00	38.81 0.35 0.00	39.08 0.43 0.00	43.03 0.64 0.00	44.78 0.83 0.00	43.00 0.76 0.00	40.33 0.60 0.00	44.37 0.66 0.00	45.08 0.53 0.00	43.92 0.65 0.00	43.49 0.64 0.00	44.21 0.57 0.00	47.38 0.56 0.00	54.49 0.49 0.00	65.07 0.13 0.00	77.84 0.00 0.00	74.92 0.07 0.00	70.40 0.21 0.00	65.98 0.78 0.00	61.92 1.03 0.00	58.32 0.92 0.00
FREEPORT_EQUS_GT1 23764	45.85 2.62 -2.30	44.03 2.49 -2.11	40.76 2.16 0.00	39.96 2.23 0.00	40.81 2.35 0.00	43.79 2.44 -2.69	45.34 2.80 -0.16	46.80 2.85 0.00	47.04 2.91 -1.89	42.39 2.66 0.00	46.64 2.93 0.00	47.40 2.85 0.00	46.12 2.85 0.00	45.72 2.87 0.00	46.61 2.97 0.00	53.61 3.14 -3.66	65.20 3.56 -7.64	91.39 4.42 -22.03	99.50 5.30 -16.36	94.82 5.09 -14.88	81.77 4.63 -6.95	78.70 4.04 -9.45	71.70 3.53 -7.29	66.80 3.10 -6.30
FREEPORT___CT2 23818	45.85 2.62 -2.30	44.03 2.49 -2.11	40.76 2.16 0.00	39.96 2.23 0.00	40.81 2.35 0.00	43.79 2.44 -2.69	45.34 2.80 -0.16	46.80 2.85 0.00	47.04 2.91 -1.89	42.39 2.66 0.00	46.64 2.93 0.00	47.40 2.85 0.00	46.12 2.85 0.00	45.72 2.87 0.00	46.61 2.97 0.00	53.61 3.14 -3.66	65.20 3.56 -7.64	91.39 4.42 -22.03	99.50 5.30 -16.36	94.82 5.09 -14.88	81.77 4.63 -6.95	78.70 4.04 -9.45	71.70 3.53 -7.29	66.80 3.10 -6.30
FRESHKLS_33_KV_LOAD 356253	57.96 2.21 -14.83	57.36 2.09 -15.84	57.42 1.97 -16.85	39.45 1.51 -0.21	40.36 1.69 -0.21	40.38 1.51 -0.21	58.24 2.33 -13.52	58.00 2.33 -11.72	58.70 2.45 -14.02	59.05 2.42 -16.89	58.00 2.62 -11.66	58.82 2.67 -11.60	58.76 2.64 -12.85	58.71 2.53 -13.34	58.72 2.58 -12.50	59.04 2.57 -9.65	59.52 2.86 -2.66	69.73 3.38 -1.41	85.43 3.89 -3.69	87.84 3.97 -9.02	80.86 3.79 -6.88	72.70 2.87 -4.63	65.04 2.50 -1.66	62.12 2.47 -2.25
FULTON COGEN____ 23766	40.72 -0.20 0.00	39.20 -0.24 0.00	38.37 -0.23 0.00	37.51 -0.23 0.00	38.23 -0.23 0.00	38.43 -0.23 0.00	42.05 -0.34 0.00	43.68 -0.26 0.00	41.94 -0.30 0.00	39.49 -0.24 0.00	43.45 -0.26 0.00	44.28 -0.27 0.00	43.01 -0.26 0.00	42.50 -0.34 0.00	43.34 -0.31 0.00	46.58 -0.23 0.00	53.73 -0.27 0.00	64.75 -0.19 0.00	77.92 0.08 0.00	74.77 -0.07 0.00	70.12 -0.07 0.00	65.07 -0.13 0.00	60.76 -0.12 0.00	57.40 0.00 0.00
FULTON___LFGE 323630	43.34 2.41 0.00	41.68 2.25 0.00	40.84 2.24 0.00	39.88 2.15 0.00	40.65 2.19 0.00	40.94 2.28 0.00	44.98 2.59 0.00	46.58 2.64 0.00	44.56 2.32 0.00	41.64 1.91 0.00	45.73 2.01 0.00	46.60 2.05 0.00	45.08 1.82 0.00	44.90 2.06 0.00	45.83 2.18 0.00	49.34 2.53 0.00	57.41 3.40 0.00	83.72 4.54 -14.23	95.89 5.68 -12.37	102.29 5.54 -21.91	85.51 5.19 -10.13	82.75 4.95 -12.59	65.32 4.44 0.00	61.48 4.08 0.00
G.F.CEMENT___DRP 24184	44.40 3.48 0.00	42.79 3.35 0.00	41.84 3.24 0.00	40.86 3.13 0.00	41.61 3.15 0.00	41.94 3.29 0.00	46.12 3.73 0.00	47.73 3.78 0.00	45.78 3.55 0.00	42.95 3.22 0.00	47.34 3.63 0.00	48.47 3.92 0.00	46.82 3.55 0.00	46.49 3.64 0.00	47.44 3.80 0.00	51.03 4.21 0.00	59.35 5.35 0.00	85.73 6.88 -13.90	98.01 8.10 -12.08	104.02 7.78 -21.39	87.31 7.23 -9.89	84.34 6.85 -12.30	67.09 6.21 0.00	63.20 5.80 0.00
GARDENVILLE___LBMP 24039	39.08 -1.84 0.00	37.66 -1.77 0.00	36.86 -1.74 0.00	36.03 -1.70 0.00	36.88 -1.58 0.00	37.23 -1.43 0.00	39.85 -2.54 0.00	41.40 -2.55 0.00	39.36 -2.87 0.00	36.99 -2.74 0.00	40.31 -3.41 0.00	41.12 -3.43 0.00	39.85 -3.42 0.00	39.63 -3.21 0.00	40.28 -3.36 0.00	43.21 -3.60 0.00	49.41 -4.59 0.00	58.78 -6.17 0.00	70.83 -7.01 0.00	67.66 -7.19 0.00	63.52 -6.67 0.00	59.72 -5.48 0.00	56.38 -4.51 0.00	54.42 -2.98 0.00
GARDNVLA_35_KV_LD 355827	39.29 -1.64 0.00	37.86 -1.58 0.00	37.06 -1.54 0.00	36.22 -1.51 0.00	37.08 -1.38 0.00	37.42 -1.24 0.00	40.06 -2.33 0.00	41.62 -2.33 0.00	39.62 -2.62 0.00	37.23 -2.50 0.00	40.57 -3.15 0.00	41.38 -3.16 0.00	40.11 -3.16 0.00	39.89 -2.96 0.00	40.50 -3.14 0.00	43.49 -3.32 0.00	49.74 -4.27 0.00	59.10 -5.85 0.00	71.22 -6.62 0.00	68.04 -6.81 0.00	63.87 -6.32 0.00	60.05 -5.15 0.00	56.68 -4.20 0.00	54.70 -2.70 0.00
GELCKHM___115KV_LOAD 80723	40.15 -0.78 0.00	38.69 -0.75 0.00	37.87 -0.73 0.00	37.05 -0.68 0.00	37.77 -0.69 0.00	37.96 -0.70 0.00	41.54 -0.85 0.00	43.11 -0.83 0.00	41.39 -0.84 0.00	38.94 -0.79 0.00	42.84 -0.87 0.00	43.65 -0.89 0.00	42.40 -0.87 0.00	41.99 -0.86 0.00	42.77 -0.87 0.00	45.97 -0.84 0.00	52.98 -1.03 0.00	63.71 -1.23 0.00	76.52 -1.32 0.00	73.43 -1.42 0.00	68.78 -1.40 0.00	63.90 -1.30 0.00	59.66 -1.22 0.00	56.37 -1.03 0.00
GENERAL___MILLS 23808	39.21 -1.72 0.00	37.82 -1.62 0.00	36.98 -1.62 0.00	36.15 -1.58 0.00	37.04 -1.42 0.00	37.38 -1.28 0.00	40.02 -2.37 0.00	41.53 -2.42 0.00	39.53 -2.70 0.00	37.15 -2.58 0.00	40.48 -3.23 0.00	41.25 -3.30 0.00	40.02 -3.25 0.00	39.76 -3.09 0.00	40.42 -3.23 0.00	43.40 -3.42 0.00	49.63 -4.37 0.00	58.97 -5.97 0.00	71.07 -6.77 0.00	67.89 -6.96 0.00	63.80 -6.39 0.00	59.92 -5.28 0.00	56.56 -4.32 0.00	54.65 -2.76 0.00
GE_PLASTICS___DRP 24183	41.70 0.78 0.00	40.23 0.79 0.00	39.41 0.81 0.00	38.53 0.79 0.00	39.27 0.81 0.00	39.43 0.77 0.00	43.32 0.93 0.00	44.83 0.88 0.00	43.08 0.84 0.00	40.57 0.83 0.00	44.85 1.14 0.00	45.75 1.20 0.00	44.39 1.12 0.00	43.96 1.11 0.00	44.78 1.13 0.00	48.03 1.22 0.00	55.57 1.57 0.00	72.28 1.82 -5.51	84.73 2.10 -4.79	85.43 2.10 -8.48	76.14 2.04 -3.92	71.84 1.76 -4.88	62.53 1.64 0.00	58.84 1.44 0.00
GILBOA___1 23756	41.78 0.86 0.00	40.27 0.83 0.00	39.57 0.97 0.00	38.68 0.94 0.00	39.42 0.96 0.00	39.51 0.85 0.00	43.37 0.98 0.00	44.91 0.97 0.00	43.21 0.97 0.00	40.68 0.95 0.00	44.76 1.05 0.00	45.61 1.07 0.00	44.30 1.04 0.00	43.87 1.03 0.00	44.69 1.05 0.00	47.94 1.12 0.00	55.30 1.29 0.00	67.52 1.69 -0.88	80.40 1.79 -0.77	78.08 1.87 -1.36	72.57 1.76 -0.63	67.48 1.50 -0.78	62.16 1.28 0.00	58.55 1.15 0.00
GILBOA___2 23757	41.78 0.86 0.00	40.27 0.83 0.00	39.57 0.97 0.00	38.68 0.94 0.00	39.42 0.96 0.00	39.51 0.85 0.00	43.37 0.98 0.00	44.91 0.97 0.00	43.21 0.97 0.00	40.68 0.95 0.00	44.76 1.05 0.00	45.61 1.07 0.00	44.30 1.04 0.00	43.87 1.03 0.00	44.69 1.05 0.00	47.94 1.12 0.00	55.30 1.29 0.00	67.52 1.69 -0.88	80.40 1.79 -0.77	78.08 1.87 -1.36	72.57 1.76 -0.63	67.48 1.50 -0.78	62.16 1.28 0.00	58.55 1.15 0.00



GILBOA___3 23758	41.78 0.86 0.00	40.27 0.83 0.00	39.57 0.97 0.00	38.68 0.94 0.00	39.42 0.96 0.00	39.51 0.85 0.00	43.37 0.98 0.00	44.91 0.97 0.00	43.21 0.97 0.00	40.68 0.95 0.00	44.76 1.05 0.00	45.61 1.07 0.00	44.30 1.04 0.00	43.87 1.03 0.00	44.69 1.05 0.00	47.94 1.12 0.00	55.30 1.29 0.00	67.52 1.69 -0.88	80.40 1.79 -0.77	78.08 1.87 -1.36	72.57 1.76 -0.63	67.48 1.50 -0.78	62.16 1.28 0.00	58.55 1.15 0.00
GILBOA___4 23759	41.78 0.86 0.00	40.27 0.83 0.00	39.57 0.97 0.00	38.68 0.94 0.00	39.42 0.96 0.00	39.51 0.85 0.00	43.37 0.98 0.00	44.91 0.97 0.00	43.21 0.97 0.00	40.68 0.95 0.00	44.76 1.05 0.00	45.61 1.07 0.00	44.30 1.04 0.00	43.87 1.03 0.00	44.69 1.05 0.00	47.94 1.12 0.00	55.30 1.29 0.00	67.52 1.69 -0.88	80.40 1.79 -0.77	78.08 1.87 -1.36	72.57 1.76 -0.63	67.48 1.50 -0.78	62.16 1.28 0.00	58.55 1.15 0.00
GILBOA___ 23599	41.78 0.86 0.00	40.27 0.83 0.00	39.57 0.97 0.00	38.68 0.94 0.00	39.42 0.96 0.00	39.51 0.85 0.00	43.37 0.97 0.00	44.91 0.97 0.00	43.21 0.97 0.00	40.69 0.95 0.00	44.76 1.05 0.00	45.61 1.07 0.00	44.31 1.04 0.00	43.88 1.03 0.00	44.69 1.05 0.00	47.89 1.08 0.00	55.30 1.30 0.00	67.52 1.69 -0.88	80.40 1.79 -0.77	78.08 1.87 -1.36	72.57 1.75 -0.63	67.48 1.50 -0.78	62.16 1.28 0.00	58.55 1.15 0.00
GINNA___ 23603	37.77 -3.15 0.00	36.40 -3.04 0.00	35.63 -2.97 0.00	34.83 -2.90 0.00	35.57 -2.89 0.00	35.87 -2.78 0.00	38.92 -3.48 0.00	40.39 -3.56 0.00	38.73 -3.51 0.00	36.39 -3.34 0.00	40.00 -3.72 0.00	40.85 -3.70 0.00	39.59 -3.68 0.00	39.25 -3.60 0.00	39.89 -3.75 0.00	42.93 -3.89 0.00	49.25 -4.75 0.00	59.16 -5.78 0.00	71.30 -6.54 0.00	68.19 -6.66 0.00	63.80 -6.39 0.00	59.53 -5.67 0.00	55.77 -5.11 0.00	53.15 -4.25 0.00
GLEN PARK___ 23778	42.32 1.39 0.00	40.62 1.18 0.00	39.68 1.08 0.00	38.75 1.02 0.00	39.42 0.96 0.00	39.66 1.00 0.00	43.41 1.02 0.00	45.05 1.10 0.00	43.16 0.93 0.00	40.45 0.72 0.00	44.41 0.70 0.00	45.12 0.58 0.00	43.96 0.69 0.00	43.45 0.60 0.00	44.26 0.61 0.00	47.75 0.94 0.00	55.35 1.35 0.00	67.02 2.08 0.00	81.81 3.97 0.00	78.66 3.82 0.00	73.97 3.79 0.00	68.98 3.78 0.00	64.05 3.16 0.00	60.27 2.87 0.00
GLENDALE_27_KV_LOAD 356172	43.10 2.17 -0.01	41.45 2.01 0.00	40.45 1.85 0.00	39.51 1.77 0.00	40.31 1.85 0.00	40.48 1.82 0.00	44.72 2.33 0.00	46.28 2.33 0.00	44.73 2.49 0.00	42.24 2.50 0.00	46.38 2.67 0.00	47.26 2.72 0.00	46.26 2.68 -0.31	45.99 2.66 -0.48	46.31 2.66 0.00	49.44 2.62 0.00	56.97 2.97 0.00	70.06 3.70 -1.42	85.89 4.36 -3.69	88.22 4.34 -9.03	81.22 4.14 -6.89	73.09 3.26 -4.63	65.35 2.80 -1.67	60.05 2.64 -0.01
GLENWOOD_IC_1_G5 23712	45.76 2.54 -2.30	43.95 2.41 -2.11	40.73 2.12 0.00	39.88 2.15 0.00	40.77 2.31 0.00	43.71 2.36 -2.69	45.30 2.76 -0.16	46.72 2.77 0.00	47.00 2.87 -1.89	42.35 2.62 0.00	46.60 2.89 0.00	47.40 2.85 0.00	46.12 2.86 0.00	45.68 2.83 0.00	46.57 2.92 0.00	53.52 3.04 -3.66	65.15 3.51 -7.64	91.13 4.16 -22.03	99.19 4.98 -16.36	94.52 4.79 -14.88	81.49 4.35 -6.95	78.44 3.78 -9.45	71.46 3.29 -7.29	66.57 2.87 -6.30
GLENWOOD_IC_2_G1 23688	45.68 2.46 -2.30	43.87 2.33 -2.11	40.65 2.04 0.00	39.81 2.07 0.00	40.65 2.19 0.00	43.59 2.24 -2.69	45.22 2.67 -0.16	46.67 2.73 0.00	46.91 2.79 -1.89	42.31 2.58 0.00	46.52 2.80 0.00	47.31 2.76 0.00	46.00 2.73 0.00	45.59 2.74 0.00	46.48 2.84 0.00	53.48 3.00 -3.66	65.10 3.46 -7.64	91.13 4.16 -22.03	99.19 4.99 -16.36	94.52 4.79 -14.88	81.49 4.35 -6.95	78.44 3.78 -9.45	71.52 3.35 -7.29	66.63 2.93 -6.30
GLENWOOD_IC_3_G1 23689	45.68 2.46 -2.30	43.87 2.33 -2.11	40.65 2.04 0.00	39.81 2.07 0.00	40.65 2.19 0.00	43.59 2.24 -2.69	45.22 2.67 -0.16	46.67 2.73 0.00	46.91 2.79 -1.89	42.31 2.58 0.00	46.52 2.80 0.00	47.31 2.76 0.00	46.00 2.73 0.00	45.59 2.74 0.00	46.48 2.84 0.00	53.48 3.00 -3.66	65.10 3.46 -7.64	91.13 4.16 -22.03	99.19 4.99 -16.36	94.52 4.79 -14.88	81.49 4.35 -6.95	78.44 3.78 -9.45	71.52 3.35 -7.29	66.63 2.93 -6.30
GLENWOOD___4 23550	45.76 2.54 -2.30	43.95 2.41 -2.11	40.73 2.12 0.00	39.88 2.15 0.00	40.77 2.31 0.00	43.71 2.36 -2.69	45.30 2.76 -0.16	46.72 2.77 0.00	47.00 2.87 -1.89	42.35 2.62 0.00	46.60 2.89 0.00	47.40 2.85 0.00	46.12 2.86 0.00	45.68 2.83 0.00	46.57 2.92 0.00	53.52 3.04 -3.66	65.15 3.51 -7.64	91.26 4.29 -22.03	99.26 5.06 -16.36	94.59 4.87 -14.88	81.56 4.42 -6.95	78.50 3.85 -9.45	71.52 3.35 -7.29	66.69 2.98 -6.30
GLENWOOD___5 23614	45.76 2.54 -2.30	43.95 2.41 -2.11	40.73 2.12 0.00	39.88 2.15 0.00	40.77 2.31 0.00	43.71 2.36 -2.69	45.30 2.76 -0.16	46.72 2.77 0.00	47.00 2.87 -1.89	42.35 2.62 0.00	46.60 2.89 0.00	47.40 2.85 0.00	46.12 2.86 0.00	45.68 2.83 0.00	46.57 2.92 0.00	53.52 3.04 -3.66	65.15 3.51 -7.64	91.26 4.29 -22.03	99.26 5.06 -16.36	94.59 4.87 -14.88	81.56 4.42 -6.95	78.50 3.85 -9.45	71.52 3.35 -7.29	66.69 2.98 -6.30
GLOBAL GREEN_PORT_GT1 23814	46.13 2.91 -2.30	44.31 2.76 -2.11	40.96 2.36 0.00	40.18 2.45 0.00	41.08 2.62 0.00	44.09 2.75 -2.69	45.68 3.14 -0.16	47.24 3.30 0.00	47.59 3.46 -1.89	42.67 2.94 0.00	46.47 2.76 0.00	47.13 2.58 0.00	45.78 2.51 0.00	45.42 2.57 0.00	46.48 2.84 0.00	53.61 3.14 -3.66	65.47 3.83 -7.64	92.10 5.13 -22.03	100.74 6.54 -16.36	95.87 6.14 -14.88	82.54 5.40 -6.95	79.48 4.82 -9.45	72.56 4.39 -7.29	68.06 4.36 -6.30
GLOBE___DSASP 323697	38.02 -2.91 0.00	36.64 -2.80 0.00	35.86 -2.74 0.00	35.05 -2.68 0.00	35.88 -2.58 0.00	36.18 -2.47 0.00	38.49 -3.90 0.00	40.04 -3.91 0.00	38.01 -4.22 0.00	35.68 -4.05 0.00	38.86 -4.85 0.00	39.65 -4.90 0.00	38.51 -4.76 0.00	38.31 -4.54 0.00	38.89 -4.76 0.00	41.71 -5.10 0.00	47.58 -6.43 0.00	56.31 -8.64 0.00	67.72 -10.12 0.00	64.59 -10.25 0.00	60.57 -9.62 0.00	56.99 -8.22 0.00	54.00 -6.88 0.00	52.24 -5.17 0.00
GOETHSLN___LBMP 323567	42.44 1.51 0.00	40.90 1.46 0.00	39.91 1.31 0.00	39.09 1.36 0.00	39.84 1.38 0.00	40.09 1.43 0.00	44.13 1.74 0.00	45.71 1.76 0.00	44.14 1.90 0.00	41.68 1.95 0.00	45.73 2.01 0.00	46.59 2.05 0.00	45.30 2.03 0.00	44.86 2.01 0.00	45.61 1.96 0.00	48.69 1.87 0.00	56.16 2.16 0.00	69.15 2.79 -1.42	76.90 3.19 4.13	75.21 3.14 2.78	73.65 2.95 -0.52	72.19 2.35 -4.64	64.50 1.95 -1.67	59.07 1.66 0.00
GOLAH___69_KV_TB 1_2 80279	39.16 -1.76 0.00	37.70 -1.74 0.00	36.98 -1.62 0.00	36.19 -1.55 0.00	37.00 -1.46 0.00	37.34 -1.31 0.00	40.27 -2.12 0.00	41.84 -2.11 0.00	39.87 -2.37 0.00	37.39 -2.34 0.00	40.92 -2.80 0.00	41.74 -2.81 0.00	40.46 -2.81 0.00	40.19 -2.66 0.00	40.85 -2.79 0.00	43.91 -2.90 0.00	50.28 -3.73 0.00	60.01 -4.94 0.00	72.39 -5.45 0.00	69.46 -5.39 0.00	65.06 -5.12 0.00	60.83 -4.37 0.00	57.29 -3.59 0.00	54.93 -2.47 0.00



GOODYEAR_LAKE_HYD 323669	42.19 1.27 0.00	40.62 1.18 0.00	39.84 1.24 0.00	38.90 1.17 0.00	39.69 1.23 0.00	39.86 1.20 0.00	43.75 1.36 0.00	45.40 1.45 0.00	43.63 1.39 0.00	41.04 1.31 0.00	45.03 1.31 0.00	45.88 1.34 0.00	44.52 1.25 0.00	44.09 1.24 0.00	44.95 1.31 0.00	48.27 1.45 0.00	55.84 1.84 0.00	71.68 2.34 -4.40	84.77 3.11 -3.82	84.46 2.84 -6.77	75.98 2.67 -3.13	71.50 2.41 -3.89	62.95 2.07 0.00	59.30 1.89 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	40.88 -0.04 0.00	39.44 0.00 0.00	38.60 0.00 0.00	37.73 0.00 0.00	38.54 0.08 0.00	38.74 0.08 0.00	42.26 -0.13 0.00	43.77 -0.18 0.00	41.94 -0.30 0.00	39.45 -0.28 0.00	43.28 -0.44 0.00	44.10 -0.45 0.00	42.79 -0.48 0.00	42.38 -0.47 0.00	43.16 -0.48 0.00	46.35 -0.47 0.00	53.41 -0.59 0.00	64.90 -0.65 -0.61	77.75 -0.62 -0.53	74.96 -0.82 -0.94	69.92 -0.70 -0.43	65.09 -0.65 -0.54	60.27 -0.61 0.00	57.23 -0.17 0.00
GOUDEY___7 23579	40.88 -0.04 0.00	39.44 0.00 0.00	38.60 0.00 0.00	37.73 0.00 0.00	38.54 0.08 0.00	38.74 0.08 0.00	42.26 -0.13 0.00	43.77 -0.18 0.00	41.94 -0.30 0.00	39.45 -0.28 0.00	43.28 -0.44 0.00	44.10 -0.45 0.00	42.79 -0.48 0.00	42.38 -0.47 0.00	43.16 -0.48 0.00	46.35 -0.47 0.00	53.41 -0.59 0.00	64.90 -0.65 -0.61	77.75 -0.62 -0.53	74.96 -0.82 -0.94	69.92 -0.70 -0.43	65.09 -0.65 -0.54	60.27 -0.61 0.00	57.23 -0.17 0.00
GOUDEY___8 23580	40.88 -0.04 0.00	39.44 0.00 0.00	38.60 0.00 0.00	37.73 0.00 0.00	38.54 0.08 0.00	38.74 0.08 0.00	42.26 -0.13 0.00	43.77 -0.18 0.00	41.94 -0.30 0.00	39.45 -0.28 0.00	43.28 -0.44 0.00	44.10 -0.45 0.00	42.79 -0.48 0.00	42.38 -0.47 0.00	43.16 -0.48 0.00	46.35 -0.47 0.00	53.41 -0.59 0.00	64.90 -0.65 -0.61	77.75 -0.62 -0.53	74.96 -0.82 -0.94	69.92 -0.70 -0.43	65.09 -0.65 -0.54	60.27 -0.61 0.00	57.23 -0.17 0.00
GOWANUS_GT1_1 24077	58.08 2.33 -14.83	57.48 2.21 -15.84	57.50 2.05 -16.85	39.72 1.77 -0.21	40.59 1.92 -0.21	40.68 1.82 -0.21	58.36 2.46 -13.52	58.18 2.50 -11.72	58.92 2.66 -14.02	59.29 2.66 -16.89	58.22 2.84 -11.66	59.04 2.90 -11.60	58.98 2.86 -12.85	58.97 2.79 -13.34	58.94 2.79 -12.50	59.27 2.81 -9.65	59.85 3.19 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.46 2.81 -2.25
GOWANUS_GT1_2 24078	58.08 2.33 -14.83	57.48 2.21 -15.84	57.50 2.05 -16.85	39.72 1.77 -0.21	40.59 1.92 -0.21	40.68 1.82 -0.21	58.36 2.46 -13.52	58.18 2.50 -11.72	58.92 2.66 -14.02	59.29 2.66 -16.89	58.22 2.84 -11.66	59.04 2.90 -11.60	58.98 2.86 -12.85	58.97 2.79 -13.34	58.94 2.79 -12.50	59.27 2.81 -9.65	59.85 3.19 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.46 2.81 -2.25
GOWANUS_GT1_3 24079	58.08 2.33 -14.83	57.48 2.21 -15.84	57.50 2.05 -16.85	39.72 1.77 -0.21	40.59 1.92 -0.21	40.68 1.82 -0.21	58.36 2.46 -13.52	58.18 2.50 -11.72	58.92 2.66 -14.02	59.29 2.66 -16.89	58.22 2.84 -11.66	59.04 2.90 -11.60	58.98 2.86 -12.85	58.97 2.79 -13.34	58.94 2.79 -12.50	59.27 2.81 -9.65	59.85 3.19 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.46 2.81 -2.25
GOWANUS_GT1_4 24080	58.08 2.33 -14.83	57.48 2.21 -15.84	57.50 2.05 -16.85	39.72 1.77 -0.21	40.59 1.92 -0.21	40.68 1.82 -0.21	58.36 2.46 -13.52	58.18 2.50 -11.72	58.92 2.66 -14.02	59.29 2.66 -16.89	58.22 2.84 -11.66	59.04 2.90 -11.60	58.98 2.86 -12.85	58.97 2.79 -13.34	58.94 2.79 -12.50	59.27 2.81 -9.65	59.85 3.19 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.46 2.81 -2.25
GOWANUS_GT1_5 24084	58.08 2.33 -14.83	57.48 2.21 -15.84	57.50 2.05 -16.85	39.72 1.77 -0.21	40.59 1.92 -0.21	40.68 1.82 -0.21	58.36 2.46 -13.52	58.18 2.50 -11.72	58.92 2.66 -14.02	59.29 2.66 -16.89	58.22 2.84 -11.66	59.04 2.90 -11.60	58.98 2.86 -12.85	58.97 2.79 -13.34	58.94 2.79 -12.50	59.27 2.81 -9.65	59.85 3.19 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.46 2.81 -2.25
GOWANUS_GT1_6 24111	58.08 2.33 -14.83	57.48 2.21 -15.84	57.50 2.05 -16.85	39.72 1.77 -0.21	40.59 1.92 -0.21	40.68 1.82 -0.21	58.36 2.46 -13.52	58.18 2.50 -11.72	58.92 2.66 -14.02	59.29 2.66 -16.89	58.22 2.84 -11.66	59.04 2.90 -11.60	58.98 2.86 -12.85	58.97 2.79 -13.34	58.94 2.79 -12.50	59.27 2.81 -9.65	59.85 3.19 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.46 2.81 -2.25
GOWANUS_GT1_7 24112	58.08 2.33 -14.83	57.48 2.21 -15.84	57.50 2.05 -16.85	39.72 1.77 -0.21	40.59 1.92 -0.21	40.68 1.82 -0.21	58.36 2.46 -13.52	58.18 2.50 -11.72	58.92 2.66 -14.02	59.29 2.66 -16.89	58.22 2.84 -11.66	59.04 2.90 -11.60	58.98 2.86 -12.85	58.97 2.79 -13.34	58.94 2.79 -12.50	59.27 2.81 -9.65	59.85 3.19 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.46 2.81 -2.25
GOWANUS_GT1_8 24113	58.08 2.33 -14.83	57.48 2.21 -15.84	57.50 2.05 -16.85	39.72 1.77 -0.21	40.59 1.92 -0.21	40.68 1.82 -0.21	58.36 2.46 -13.52	58.18 2.50 -11.72	58.92 2.66 -14.02	59.29 2.66 -16.89	58.22 2.84 -11.66	59.04 2.90 -11.60	58.98 2.86 -12.85	58.97 2.79 -13.34	58.94 2.79 -12.50	59.27 2.81 -9.65	59.85 3.19 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.46 2.81 -2.25
GOWANUS_GT2_1 24114	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
GOWANUS_GT2_2 24115	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
GOWANUS_GT2_3 24116	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25



GOWANUS_GT2_4 24117	57.88	57.17	57.15	39.60	40.55	40.68	58.02	57.95	58.75	59.13	57.95	58.77	58.72	58.75	58.72	58.94	59.47	70.26	86.05	88.50	81.41	73.22	65.53	62.23
	2.13	1.89	1.70	1.66	1.88	1.82	2.12	2.28	2.49	2.50	2.58	2.63	2.60	2.57	2.57	2.48	2.81	3.90	4.51	4.57	4.28	3.39	2.98	2.59
	-14.83	-15.84	-16.85	-0.21	-0.21	-0.21	-13.52	-11.72	-14.02	-16.89	-11.66	-11.60	-12.85	-13.34	-12.50	-9.65	-2.66	-1.42	-3.69	-9.09	-6.95	-4.63	-1.67	-2.25
GOWANUS_GT2_5 24118	57.88	57.17	57.15	39.60	40.55	40.68	58.02	57.95	58.75	59.13	57.95	58.77	58.72	58.75	58.72	58.94	59.47	70.26	86.05	88.50	81.41	73.22	65.53	62.23
	2.13	1.89	1.70	1.66	1.88	1.82	2.12	2.28	2.49	2.50	2.58	2.63	2.60	2.57	2.57	2.48	2.81	3.90	4.51	4.57	4.28	3.39	2.98	2.59
	-14.83	-15.84	-16.85	-0.21	-0.21	-0.21	-13.52	-11.72	-14.02	-16.89	-11.66	-11.60	-12.85	-13.34	-12.50	-9.65	-2.66	-1.42	-3.69	-9.09	-6.95	-4.63	-1.67	-2.25
GOWANUS_GT2_6 24119	57.88	57.17	57.15	39.60	40.55	40.68	58.02	57.95	58.75	59.13	57.95	58.77	58.72	58.75	58.72	58.94	59.47	70.26	86.05	88.50	81.41	73.22	65.53	62.23
	2.13	1.89	1.70	1.66	1.88	1.82	2.12	2.28	2.49	2.50	2.58	2.63	2.60	2.57	2.57	2.48	2.81	3.90	4.51	4.57	4.28	3.39	2.98	2.59
	-14.83	-15.84	-16.85	-0.21	-0.21	-0.21	-13.52	-11.72	-14.02	-16.89	-11.66	-11.60	-12.85	-13.34	-12.50	-9.65	-2.66	-1.42	-3.69	-9.09	-6.95	-4.63	-1.67	-2.25
GOWANUS_GT2_7 24120	57.88	57.17	57.15	39.60	40.55	40.68	58.02	57.95	58.75	59.13	57.95	58.77	58.72	58.75	58.72	58.94	59.47	70.26	86.05	88.50	81.41	73.22	65.53	62.23
	2.13	1.89	1.70	1.66	1.88	1.82	2.12	2.28	2.49	2.50	2.58	2.63	2.60	2.57	2.57	2.48	2.81	3.90	4.51	4.57	4.28	3.39	2.98	2.59
	-14.83	-15.84	-16.85	-0.21	-0.21	-0.21	-13.52	-11.72	-14.02	-16.89	-11.66	-11.60	-12.85	-13.34	-12.50	-9.65	-2.66	-1.42	-3.69	-9.09	-6.95	-4.63	-1.67	-2.25
GOWANUS_GT2_8 24121	57.88	57.17	57.15	39.60	40.55	40.68	58.02	57.95	58.75	59.13	57.95	58.77	58.72	58.75	58.72	58.94	59.47	70.26	86.05	88.50	81.41	73.22	65.53	62.23
	2.13	1.89	1.70	1.66	1.88	1.82	2.12	2.28	2.49	2.50	2.58	2.63	2.60	2.57	2.57	2.48	2.81	3.90	4.51	4.57	4.28	3.39	2.98	2.59
	-14.83	-15.84	-16.85	-0.21	-0.21	-0.21	-13.52	-11.72	-14.02	-16.89	-11.66	-11.60	-12.85	-13.34	-12.50	-9.65	-2.66	-1.42	-3.69	-9.09	-6.95	-4.63	-1.67	-2.25
GOWANUS_GT3_1 24122	57.88	57.17	57.15	39.60	40.55	40.68	58.02	57.95	58.75	59.13	57.95	58.77	58.72	58.75	58.72	58.94	59.47	70.26	86.05	88.50	81.41	73.22	65.53	62.23
	2.13	1.89	1.70	1.66	1.88	1.82	2.12	2.28	2.49	2.50	2.58	2.63	2.60	2.57	2.57	2.48	2.81	3.90	4.51	4.57	4.28	3.39	2.98	2.59
	-14.83	-15.84	-16.85	-0.21	-0.21	-0.21	-13.52	-11.72	-14.02	-16.89	-11.66	-11.60	-12.85	-13.34	-12.50	-9.65	-2.66	-1.42	-3.69	-9.09	-6.95	-4.63	-1.67	-2.25
GOWANUS_GT3_2 24123	57.88	57.17	57.15	39.60	40.55	40.68	58.02	57.95	58.75	59.13	57.95	58.77	58.72	58.75	58.72	58.94	59.47	70.26	86.05	88.50	81.41	73.22	65.53	62.23
	2.13	1.89	1.70	1.66	1.88	1.82	2.12	2.28	2.49	2.50	2.58	2.63	2.60	2.57	2.57	2.48	2.81	3.90	4.51	4.57	4.28	3.39	2.98	2.59
	-14.83	-15.84	-16.85	-0.21	-0.21	-0.21	-13.52	-11.72	-14.02	-16.89	-11.66	-11.60	-12.85	-13.34	-12.50	-9.65	-2.66	-1.42	-3.69	-9.09	-6.95	-4.63	-1.67	-2.25
GOWANUS_GT3_3 24124	57.88	57.17	57.15	39.60	40.55	40.68	58.02	57.95	58.75	59.13	57.95	58.77	58.72	58.75	58.72	58.94	59.47	70.26	86.05	88.50	81.41	73.22	65.53	62.23
	2.13	1.89	1.70	1.66	1.88	1.82	2.12	2.28	2.49	2.50	2.58	2.63	2.60	2.57	2.57	2.48	2.81	3.90	4.51	4.57	4.28	3.39	2.98	2.59
	-14.83	-15.84	-16.85	-0.21	-0.21	-0.21	-13.52	-11.72	-14.02	-16.89	-11.66	-11.60	-12.85	-13.34	-12.50	-9.65	-2.66	-1.42	-3.69	-9.09	-6.95	-4.63	-1.67	-2.25
GOWANUS_GT3_4 24125	57.88	57.17	57.15	39.60	40.55	40.68	58.02	57.95	58.75	59.13	57.95	58.77	58.72	58.75	58.72	58.94	59.47	70.26	86.05	88.50	81.41	73.22	65.53	62.23
	2.13	1.89	1.70	1.66	1.88	1.82	2.12	2.28	2.49	2.50	2.58	2.63	2.60	2.57	2.57	2.48	2.81	3.90	4.51	4.57	4.28	3.39	2.98	2.59
	-14.83	-15.84	-16.85	-0.21	-0.21	-0.21	-13.52	-11.72	-14.02	-16.89	-11.66	-11.60	-12.85	-13.34	-12.50	-9.65	-2.66	-1.42	-3.69	-9.09	-6.95	-4.63	-1.67	-2.25
GOWANUS_GT3_5 24126	57.88	57.17	57.15	39.60	40.55	40.68	58.02	57.95	58.75	59.13	57.95	58.77	58.72	58.75	58.72	58.94	59.47	70.26	86.05	88.50	81.41	73.22	65.53	62.23
	2.13	1.89	1.70	1.66	1.88	1.82	2.12	2.28	2.49	2.50	2.58	2.63	2.60	2.57	2.57	2.48	2.81	3.90	4.51	4.57	4.28	3.39	2.98	2.59
	-14.83	-15.84	-16.85	-0.21	-0.21	-0.21	-13.52	-11.72	-14.02	-16.89	-11.66	-11.60	-12.85	-13.34	-12.50	-9.65	-2.66	-1.42	-3.69	-9.09	-6.95	-4.63	-1.67	-2.25
GOWANUS_GT3_6 24127	57.88	57.17	57.15	39.60	40.55	40.68	58.02	57.95	58.75	59.13	57.95	58.77	58.72	58.75	58.72	58.94	59.47	70.26	86.05	88.50	81.41	73.22	65.53	62.23
	2.13	1.89	1.70	1.66	1.88	1.82	2.12	2.28	2.49	2.50	2.58	2.63	2.60	2.57	2.57	2.48	2.81	3.90	4.51	4.57	4.28	3.39	2.98	2.59
	-14.83	-15.84	-16.85	-0.21	-0.21	-0.21	-13.52	-11.72	-14.02	-16.89	-11.66	-11.60	-12.85	-13.34	-12.50	-9.65	-2.66	-1.42	-3.69	-9.09	-6.95	-4.63	-1.67	-2.25
GOWANUS_GT3_7 24128	57.88	57.17	57.15	39.60	40.55	40.68	58.02	57.95	58.75	59.13	57.95	58.77	58.72	58.75	58.72	58.94	59.47	70.26	86.05	88.50	81.41	73.22	65.53	62.23
	2.13	1.89	1.70	1.66	1.88	1.82	2.12	2.28	2.49	2.50	2.58	2.63	2.60	2.57	2.57	2.48	2.81	3.90	4.51	4.57	4.28	3.39	2.98	2.59
	-14.83	-15.84	-16.85	-0.21	-0.21	-0.21	-13.52	-11.72	-14.02	-16.89	-11.66	-11.60	-12.85	-13.34	-12.50	-9.65	-2.66	-1.42	-3.69	-9.09	-6.95	-4.63	-1.67	-2.25
GOWANUS_GT3_8 24129	57.88	57.17	57.15	39.60	40.55	40.68	58.02	57.95	58.75	59.13	57.95	58.77	58.72	58.75	58.72	58.94	59.47	70.26	86.05	88.50	81.41	73.22	65.53	62.23
	2.13	1.89	1.70	1.66	1.88	1.82	2.12	2.28	2.49	2.50	2.58	2.63	2.60	2.57	2.57	2.48	2.81	3.90	4.51	4.57	4.28	3.39	2.98	2.59
	-14.83	-15.84	-16.85	-0.21	-0.21	-0.21	-13.52	-11.72	-14.02	-16.89	-11.66	-11.60	-12.85	-13.34	-12.50	-9.65	-2.66	-1.42	-3.69	-9.09	-6.95	-4.63	-1.67	-2.25
GOWANUS_GT4_1 24130	58.08	57.48	57.50	39.72	40.59	40.68	58.36	58.18	58.92	59.29	58.22	59.04	58.98	58.97	58.94	59.27	59.85	70.26	86.05	88.50	81.41	73.22	65.53	62.46
	2.33	2.21	2.05	1.77	1.92	1.82	2.46	2.50	2.66	2.66	2.84	2.90	2.86	2.79	2.79	2.81	3.19	3.90	4.51	4.57	4.28	3.39	2.98	2.81
	-14.83	-15.84	-16.85	-0.21	-0.21	-0.21	-13.52	-11.72	-14.02	-16.89	-11.66	-11.60	-12.85	-13.34	-12.50	-9.65	-2.66	-1.42	-3.69	-9.09	-6.95	-4.63	-1.67	-2.25
GOWANUS_GT4_2 24131	58.08	57.48	57.50	39.72	40.59	40.68	58.36	58.18	58.92	59.29	58.22	59.04	58.98	58.97	58.94	59.27	59.85	70.26	86.05	88.50	81.41	73.22	65.53	62.46
	2.33	2.21	2.05	1.77	1.92	1.82	2.46	2.50	2.66	2.66	2.84	2.90	2.86	2.79	2.79	2.81	3.19	3.90	4.51	4.57	4.28	3.39	2.98	2.81
	-14.83	-15.84	-16.85	-0.21	-0.21	-0.21	-13.52	-11.72	-14.02	-16.89	-11.66	-11.60	-12.85	-13.34	-12.50	-9.65	-2.66	-1.42	-3.69	-9.09	-6.95	-4.63	-1.67	-2.25



GOWANUS_GT4_3 24132	58.08 2.33 -14.83	57.48 2.21 -15.84	57.50 2.05 -16.85	39.72 1.77 -0.21	40.59 1.92 -0.21	40.68 1.82 -0.21	58.36 2.46 -13.52	58.18 2.50 -11.72	58.92 2.66 -14.02	59.29 2.66 -16.89	58.22 2.84 -11.66	59.04 2.90 -11.60	58.98 2.86 -12.85	58.97 2.79 -13.34	58.94 2.79 -12.50	59.27 2.81 -9.65	59.85 3.19 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.46 2.81 -2.25
GOWANUS_GT4_4 24133	58.08 2.33 -14.83	57.48 2.21 -15.84	57.50 2.05 -16.85	39.72 1.77 -0.21	40.59 1.92 -0.21	40.68 1.82 -0.21	58.36 2.46 -13.52	58.18 2.50 -11.72	58.92 2.66 -14.02	59.29 2.66 -16.89	58.22 2.84 -11.66	59.04 2.90 -11.60	58.98 2.86 -12.85	58.97 2.79 -13.34	58.94 2.79 -12.50	59.27 2.81 -9.65	59.85 3.19 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.46 2.81 -2.25
GOWANUS_GT4_5 24134	58.08 2.33 -14.83	57.48 2.21 -15.84	57.50 2.05 -16.85	39.72 1.77 -0.21	40.59 1.92 -0.21	40.68 1.82 -0.21	58.36 2.46 -13.52	58.18 2.50 -11.72	58.92 2.66 -14.02	59.29 2.66 -16.89	58.22 2.84 -11.66	59.04 2.90 -11.60	58.98 2.86 -12.85	58.97 2.79 -13.34	58.94 2.79 -12.50	59.27 2.81 -9.65	59.85 3.19 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.46 2.81 -2.25
GOWANUS_GT4_6 24135	58.08 2.33 -14.83	57.48 2.21 -15.84	57.50 2.05 -16.85	39.72 1.77 -0.21	40.59 1.92 -0.21	40.68 1.82 -0.21	58.36 2.46 -13.52	58.18 2.50 -11.72	58.92 2.66 -14.02	59.29 2.66 -16.89	58.22 2.84 -11.66	59.04 2.90 -11.60	58.98 2.86 -12.85	58.97 2.79 -13.34	58.94 2.79 -12.50	59.27 2.81 -9.65	59.85 3.19 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.46 2.81 -2.25
GOWANUS_GT4_7 24136	58.08 2.33 -14.83	57.48 2.21 -15.84	57.50 2.05 -16.85	39.72 1.77 -0.21	40.59 1.92 -0.21	40.68 1.82 -0.21	58.36 2.46 -13.52	58.18 2.50 -11.72	58.92 2.66 -14.02	59.29 2.66 -16.89	58.22 2.84 -11.66	59.04 2.90 -11.60	58.98 2.86 -12.85	58.97 2.79 -13.34	58.94 2.79 -12.50	59.27 2.81 -9.65	59.85 3.19 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.46 2.81 -2.25
GOWANUS_GT4_8 24137	58.08 2.33 -14.83	57.48 2.21 -15.84	57.50 2.05 -16.85	39.72 1.77 -0.21	40.59 1.92 -0.21	40.68 1.82 -0.21	58.36 2.46 -13.52	58.18 2.50 -11.72	58.92 2.66 -14.02	59.29 2.66 -16.89	58.22 2.84 -11.66	59.04 2.90 -11.60	58.98 2.86 -12.85	58.97 2.79 -13.34	58.94 2.79 -12.50	59.27 2.81 -9.65	59.85 3.19 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.46 2.81 -2.25
GREENBSH_115KV_TB3 55895	41.58 0.65 0.00	40.11 0.67 0.00	39.30 0.69 0.00	38.41 0.68 0.00	39.15 0.69 0.00	39.32 0.66 0.00	43.20 0.81 0.00	44.69 0.75 0.00	43.00 0.76 0.00	40.45 0.72 0.00	44.85 1.14 0.00	45.79 1.25 0.00	44.39 1.12 0.00	44.00 1.16 0.00	44.82 1.18 0.00	48.13 1.31 0.00	55.62 1.62 0.00	73.49 1.88 -6.66	85.81 2.18 -5.79	87.20 2.10 -10.25	77.03 2.11 -4.74	72.92 1.83 -5.89	62.59 1.70 0.00	58.95 1.55 0.00
GREENDGE_115KV_TB5 80291	40.51 -0.41 0.00	39.08 -0.35 0.00	38.25 -0.35 0.00	37.39 -0.34 0.00	38.19 -0.27 0.00	38.47 -0.19 0.00	41.84 -0.55 0.00	43.46 -0.48 0.00	41.52 -0.72 0.00	38.98 -0.75 0.00	42.67 -1.05 0.00	43.43 -1.11 0.00	42.10 -1.17 0.00	41.60 -1.24 0.00	42.42 -1.22 0.00	45.65 -1.17 0.00	52.65 -1.35 0.00	63.41 -1.88 -0.35	76.43 -1.71 -0.30	73.43 -1.95 -0.53	68.61 -1.82 -0.25	63.81 -1.70 -0.31	59.91 -0.97 0.00	57.00 -0.40 0.00
GREENIDGE___3 23582	40.51 -0.41 0.00	39.08 -0.35 0.00	38.25 -0.35 0.00	37.39 -0.34 0.00	38.19 -0.27 0.00	38.47 -0.19 0.00	41.84 -0.55 0.00	43.46 -0.48 0.00	41.52 -0.72 0.00	38.98 -0.75 0.00	42.67 -1.05 0.00	43.43 -1.11 0.00	42.10 -1.17 0.00	41.60 -1.24 0.00	42.42 -1.22 0.00	45.65 -1.17 0.00	52.65 -1.35 0.00	63.41 -1.88 -0.35	76.43 -1.71 -0.30	73.43 -1.95 -0.53	68.61 -1.82 -0.25	63.81 -1.70 -0.31	59.91 -0.97 0.00	57.00 -0.40 0.00
GREENIDGE___4 23583	40.47 -0.45 0.00	39.04 -0.39 0.00	38.25 -0.35 0.00	37.39 -0.34 0.00	38.19 -0.27 0.00	38.47 -0.19 0.00	41.84 -0.55 0.00	43.37 -0.57 0.00	41.48 -0.76 0.00	38.94 -0.79 0.00	42.67 -1.05 0.00	43.43 -1.11 0.00	42.10 -1.17 0.00	41.60 -1.24 0.00	42.38 -1.27 0.00	45.60 -1.22 0.00	52.55 -1.46 0.00	63.41 -1.89 -0.35	76.43 -1.71 -0.30	73.43 -1.95 -0.53	68.61 -1.83 -0.25	63.81 -1.70 -0.31	59.36 -1.52 0.00	57.00 -0.40 0.00
GREENLWN_69_KV_BK 3 55738	45.93 2.70 -2.30	44.15 2.60 -2.11	40.84 2.24 0.00	40.03 2.30 0.00	40.92 2.46 0.00	43.86 2.51 -2.69	45.51 2.97 -0.16	46.94 2.99 0.00	47.17 3.04 -1.89	42.51 2.78 0.00	46.78 3.06 0.00	47.57 3.03 0.00	46.25 2.99 0.00	45.85 3.00 0.00	46.74 3.10 0.00	53.75 3.28 -3.66	65.42 3.78 -7.64	91.78 4.81 -22.03	99.89 5.68 -16.36	95.19 5.46 -14.88	82.12 4.98 -6.95	79.02 4.37 -9.45	72.01 3.84 -7.29	67.15 3.44 -6.30
GREENWD_138_KV_38B11_REV_LBMP_J 345004	58.08 2.33 -14.83	57.48 2.21 -15.84	57.50 2.05 -16.85	39.72 1.77 -0.21	40.59 1.92 -0.21	40.68 1.82 -0.21	58.36 2.46 -13.52	58.18 2.50 -11.72	58.92 2.66 -14.02	59.29 2.66 -16.89	58.22 2.84 -11.66	59.04 2.90 -11.60	58.98 2.86 -12.85	58.97 2.79 -13.34	58.94 2.79 -12.50	59.27 2.81 -9.65	59.85 3.19 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.46 2.81 -2.25
GRISSOM___SOLAR 323813	43.21 2.29 0.00	41.60 2.17 0.00	40.72 2.12 0.00	39.81 2.07 0.00	40.54 2.08 0.00	40.82 2.16 0.00	44.85 2.46 0.00	46.45 2.50 0.00	44.47 2.24 0.00	41.60 1.87 0.00	45.68 1.97 0.00	46.60 2.05 0.00	45.13 1.86 0.00	44.90 2.06 0.00	45.78 2.14 0.00	49.25 2.43 0.00	57.30 3.29 0.00	83.76 4.35 -14.46	95.77 5.37 -12.57	102.34 5.24 -22.25	85.39 4.91 -10.29	82.69 4.70 -12.79	65.08 4.20 0.00	61.25 3.85 0.00
GROVEVILLE___HYD 323602	42.81 1.88 0.00	41.25 1.81 0.00	40.30 1.70 0.00	39.43 1.70 0.00	40.19 1.73 0.00	40.40 1.74 0.00	44.47 2.08 0.00	45.97 2.02 0.00	44.30 2.07 0.00	41.72 1.99 0.00	45.86 2.14 0.00	46.73 2.18 0.00	45.34 2.08 0.00	44.95 2.10 0.00	45.78 2.14 0.00	49.02 2.20 0.00	56.70 2.70 0.00	69.95 3.57 -1.43	83.37 4.28 -1.25	81.24 4.19 -2.20	75.07 3.86 -1.02	69.73 3.26 -1.27	63.62 2.74 0.00	59.76 2.35 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	40.56 -0.37 0.00	39.08 -0.35 0.00	38.25 -0.35 0.00	37.39 -0.34 0.00	38.15 -0.31 0.00	38.35 -0.31 0.00	41.97 -0.42 0.00	43.55 -0.40 0.00	41.81 -0.42 0.00	39.37 -0.36 0.00	43.32 -0.39 0.00	44.14 -0.40 0.00	42.88 -0.39 0.00	42.42 -0.43 0.00	43.21 -0.44 0.00	46.44 -0.37 0.00	53.57 -0.43 0.00	64.43 -0.52 0.00	77.37 -0.47 0.00	74.25 -0.60 0.00	69.62 -0.56 0.00	64.61 -0.59 0.00	60.33 -0.55 0.00	57.06 -0.34 0.00



HAMLTNNY_34_KV_TB 80303	40.43 -0.49 0.00	38.92 -0.51 0.00	38.14 -0.46 0.00	37.28 -0.45 0.00	38.04 -0.42 0.00	38.23 -0.43 0.00	41.84 -0.55 0.00	43.46 -0.48 0.00	41.69 -0.55 0.00	39.22 -0.52 0.00	43.15 -0.57 0.00	43.97 -0.58 0.00	42.71 -0.56 0.00	42.25 -0.60 0.00	43.08 -0.57 0.00	46.25 -0.56 0.00	53.35 -0.65 0.00	64.17 -0.78 0.00	77.14 -0.70 0.00	73.95 -0.90 0.00	69.27 -0.91 0.00	64.35 -0.85 0.00	60.09 -0.79 0.00	56.83 -0.57 0.00
HAMPSHIRE___PAPER_HYD 323593	41.62 0.70 0.00	39.99 0.55 0.00	39.03 0.43 0.00	38.11 0.38 0.00	38.81 0.35 0.00	38.97 0.31 0.00	42.60 0.21 0.00	44.30 0.35 0.00	42.49 0.25 0.00	39.85 0.12 0.00	43.93 0.22 0.00	44.77 0.22 0.00	43.57 0.31 0.00	43.15 0.30 0.00	43.95 0.31 0.00	47.24 0.42 0.00	54.49 0.48 0.00	65.34 0.39 0.00	78.46 0.62 0.00	75.67 0.82 0.00	71.10 0.91 0.00	66.50 1.30 0.00	62.28 1.40 0.00	58.72 1.32 0.00
HARDSCRABBLE_WT_PWR 323673	41.09 0.16 0.00	39.68 0.24 0.00	38.84 0.23 0.00	37.96 0.23 0.00	38.65 0.19 0.00	38.85 0.19 0.00	42.56 0.17 0.00	44.08 0.13 0.00	42.28 0.04 0.00	39.73 0.00 0.00	43.58 -0.13 0.00	44.37 -0.18 0.00	43.05 -0.22 0.00	42.59 -0.26 0.00	43.38 -0.26 0.00	46.49 -0.33 0.00	53.73 -0.27 0.00	64.75 -0.19 0.00	77.76 -0.08 0.00	74.92 0.07 0.00	70.26 0.07 0.00	65.40 0.20 0.00	61.00 0.12 0.00	57.52 0.12 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	42.36 1.43 0.00	40.86 1.42 0.00	39.91 1.31 0.00	39.05 1.32 0.00	39.84 1.38 0.00	40.05 1.39 0.00	44.04 1.65 0.00	45.53 1.58 0.00	43.88 1.65 0.00	41.32 1.59 0.00	45.38 1.66 0.00	46.24 1.69 0.00	44.91 1.64 0.00	44.52 1.67 0.00	45.30 1.66 0.00	48.50 1.69 0.00	55.95 1.94 0.00	68.85 2.60 -1.30	78.78 3.11 2.17	70.66 2.99 7.18	66.03 2.81 6.96	64.04 2.22 3.38	60.41 1.77 2.24	58.84 1.44 0.00
HARSNRAD_115KV_TB1 81005	38.47 -2.46 0.00	37.07 -2.37 0.00	36.25 -2.35 0.00	35.43 -2.30 0.00	36.31 -2.15 0.00	36.61 -2.05 0.00	39.13 -3.26 0.00	40.70 -3.25 0.00	38.69 -3.55 0.00	36.32 -3.42 0.00	39.61 -4.11 0.00	40.40 -4.14 0.00	39.16 -4.11 0.00	38.95 -3.90 0.00	39.54 -4.10 0.00	42.46 -4.35 0.00	48.44 -5.56 0.00	57.48 -7.47 0.00	69.28 -8.56 0.00	66.09 -8.76 0.00	62.04 -8.14 0.00	58.36 -6.85 0.00	55.22 -5.66 0.00	53.33 -4.08 0.00
HARZA MOOSE___RIVER 24016	41.70 0.78 0.00	40.11 0.67 0.00	39.18 0.58 0.00	38.30 0.57 0.00	39.00 0.54 0.00	39.20 0.54 0.00	42.94 0.55 0.00	44.61 0.66 0.00	42.83 0.59 0.00	40.25 0.52 0.00	44.20 0.48 0.00	45.04 0.49 0.00	43.74 0.48 0.00	43.28 0.43 0.00	44.12 0.48 0.00	47.47 0.66 0.00	54.92 0.92 0.00	66.18 1.23 0.00	80.02 2.18 0.00	76.87 2.02 0.00	72.15 1.97 0.00	67.09 1.89 0.00	62.53 1.64 0.00	58.89 1.49 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	40.11 -0.82 0.00	38.65 -0.79 0.00	37.83 -0.77 0.00	37.02 -0.72 0.00	37.73 -0.73 0.00	37.92 -0.73 0.00	41.50 -0.89 0.00	43.07 -0.88 0.00	41.35 -0.89 0.00	38.90 -0.83 0.00	42.80 -0.92 0.00	43.61 -0.94 0.00	42.36 -0.91 0.00	41.90 -0.94 0.00	42.73 -0.92 0.00	45.88 -0.94 0.00	52.92 -1.08 0.00	63.58 -1.36 0.00	76.28 -1.56 0.00	73.20 -1.65 0.00	68.64 -1.54 0.00	63.70 -1.50 0.00	59.54 -1.34 0.00	56.25 -1.15 0.00
HELLGATE_13_KV_LD 55870	42.98 2.05 -0.01	41.33 1.89 0.00	40.34 1.74 0.00	39.39 1.66 0.00	40.19 1.73 0.00	40.32 1.66 0.00	44.55 2.16 0.00	46.14 2.20 0.00	44.56 2.32 0.00	42.08 2.34 0.00	46.21 2.49 0.00	47.08 2.54 0.00	46.13 2.55 -0.31	45.82 2.49 -0.48	46.13 2.49 0.00	49.25 2.43 0.00	56.76 2.75 0.00	69.80 3.44 -1.42	85.50 3.97 -3.69	87.84 3.97 -9.03	80.87 3.79 -6.89	72.77 2.93 -4.63	65.11 2.56 -1.67	59.82 2.41 -0.01
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	42.98 2.05 -0.01	41.33 1.89 0.00	40.34 1.74 0.00	39.39 1.66 0.00	40.19 1.73 0.00	40.32 1.66 0.00	44.55 2.16 0.00	46.14 2.20 0.00	44.56 2.32 0.00	42.08 2.34 0.00	46.21 2.49 0.00	47.08 2.54 0.00	46.13 2.55 -0.31	45.82 2.49 -0.48	46.13 2.49 0.00	49.25 2.43 0.00	56.76 2.75 0.00	69.80 3.44 -1.42	85.50 3.97 -3.69	87.84 3.97 -9.03	80.87 3.79 -6.89	72.77 2.93 -4.63	65.11 2.56 -1.67	59.82 2.41 -0.01
HEMPSTEAD____ 23647	45.64 2.41 -2.30	43.87 2.33 -2.11	40.61 2.01 0.00	39.77 2.04 0.00	40.61 2.15 0.00	43.59 2.24 -2.69	45.18 2.63 -0.16	46.63 2.68 0.00	46.87 2.74 -1.89	42.24 2.50 0.00	46.47 2.76 0.00	47.22 2.67 0.00	45.95 2.68 0.00	45.55 2.70 0.00	46.44 2.80 0.00	53.38 2.90 -3.66	64.99 3.35 -7.64	91.07 4.09 -22.03	99.03 4.83 -16.36	94.37 4.64 -14.88	81.35 4.21 -6.95	78.31 3.65 -9.45	71.39 3.22 -7.29	66.51 2.81 -6.30
HEWLETT_69_KV_BK3 55828	45.80 2.58 -2.30	44.03 2.48 -2.11	40.80 2.20 0.00	39.96 2.23 0.00	40.81 2.35 0.00	43.75 2.40 -2.69	45.39 2.84 -0.16	46.76 2.81 0.00	47.04 2.91 -1.89	42.39 2.66 0.00	46.64 2.93 0.00	47.44 2.90 0.00	46.17 2.90 0.00	45.72 2.87 0.00	46.61 2.97 0.00	53.61 3.14 -3.66	65.20 3.56 -7.64	91.46 4.48 -22.03	99.65 5.45 -16.36	94.89 5.16 -14.88	81.91 4.77 -6.95	78.83 4.17 -9.45	71.76 3.59 -7.29	66.92 3.21 -6.30
HICKLING___1 23621	40.56 -0.37 0.00	39.12 -0.32 0.00	38.33 -0.27 0.00	37.47 -0.26 0.00	38.27 -0.19 0.00	38.54 -0.12 0.00	41.80 -0.59 0.00	43.29 -0.66 0.00	41.31 -0.93 0.00	38.82 -0.91 0.00	42.45 -1.27 0.00	43.21 -1.34 0.00	41.88 -1.38 0.00	41.43 -1.41 0.00	42.20 -1.44 0.00	45.41 -1.40 0.00	52.27 -1.73 0.00	63.37 -2.01 -0.44	76.20 -2.02 -0.38	73.28 -2.25 -0.68	68.39 -2.11 -0.32	63.77 -1.83 -0.39	59.48 -1.40 0.00	56.77 -0.63 0.00
HICKLING___2 23622	40.56 -0.37 0.00	39.12 -0.32 0.00	38.33 -0.27 0.00	37.47 -0.26 0.00	38.27 -0.19 0.00	38.54 -0.12 0.00	41.80 -0.59 0.00	43.29 -0.66 0.00	41.31 -0.93 0.00	38.82 -0.91 0.00	42.45 -1.27 0.00	43.21 -1.34 0.00	41.88 -1.38 0.00	41.43 -1.41 0.00	42.20 -1.44 0.00	45.41 -1.40 0.00	52.27 -1.73 0.00	63.37 -2.01 -0.44	76.20 -2.02 -0.38	73.28 -2.25 -0.68	68.39 -2.11 -0.32	63.77 -1.83 -0.39	59.48 -1.40 0.00	56.77 -0.63 0.00
HIGH FALLS___HY 23754	42.60 1.68 0.00	41.05 1.62 0.00	40.11 1.51 0.00	39.24 1.51 0.00	40.00 1.54 0.00	40.20 1.55 0.00	44.26 1.87 0.00	45.79 1.85 0.00	44.09 1.86 0.00	41.48 1.75 0.00	45.46 1.75 0.00	46.33 1.78 0.00	45.00 1.73 0.00	44.56 1.71 0.00	45.39 1.75 0.00	48.60 1.78 0.00	56.22 2.21 0.00	69.95 3.12 -1.89	83.38 3.89 -1.64	81.65 3.89 -2.91	75.11 3.58 -1.35	69.87 3.00 -1.67	63.20 2.31 0.00	59.24 1.84 0.00
HIGH_RIVER___SOLAR 323847	42.44 1.52 0.00	40.90 1.46 0.00	40.03 1.43 0.00	39.13 1.40 0.00	39.88 1.42 0.00	40.09 1.43 0.00	44.04 1.65 0.00	45.57 1.63 0.00	43.67 1.44 0.00	40.88 1.15 0.00	44.90 1.18 0.00	45.75 1.20 0.00	44.48 1.21 0.00	44.18 1.33 0.00	45.04 1.40 0.00	48.41 1.59 0.00	56.22 2.21 0.00	83.14 2.93 -15.27	94.70 3.58 -13.28	101.88 3.52 -23.51	84.29 3.23 -10.87	81.72 3.00 -13.51	63.62 2.74 0.00	59.87 2.47 0.00



HILLBURN___GT 23639	42.32 1.39 0.00	40.78 1.34 0.00	39.87 1.27 0.00	39.02 1.28 0.00	39.77 1.31 0.00	39.97 1.32 0.00	43.96 1.57 0.00	45.53 1.58 0.00	43.84 1.60 0.00	41.36 1.63 0.00	45.38 1.66 0.00	46.24 1.69 0.00	44.91 1.64 0.00	44.47 1.63 0.00	45.30 1.66 0.00	48.45 1.64 0.00	55.84 1.84 0.00	68.60 2.33 -1.32	77.92 2.72 2.64	68.96 2.62 8.51	64.53 2.46 8.12	63.06 1.89 4.03	59.84 1.52 2.57	58.61 1.21 0.00
HILLSIDE_115KV_TB1 80332	40.15 -0.78 0.00	38.77 -0.67 0.00	37.98 -0.62 0.00	37.09 -0.64 0.00	37.92 -0.54 0.00	38.16 -0.50 0.00	41.46 -0.93 0.00	42.89 -1.05 0.00	40.93 -1.31 0.00	38.46 -1.27 0.00	42.05 -1.66 0.00	42.81 -1.74 0.00	41.54 -1.73 0.00	41.13 -1.71 0.00	41.86 -1.79 0.00	44.94 -1.87 0.00	51.73 -2.27 0.00	62.68 -2.73 -0.46	75.28 -2.96 -0.40	72.49 -3.07 -0.71	67.63 -2.88 -0.33	63.06 -2.54 -0.41	58.69 -2.19 0.00	56.02 -1.38 0.00
HISHELDN_WT_PWR 323625	38.63 -2.29 0.00	37.35 -2.09 0.00	36.55 -2.05 0.00	35.69 -2.04 0.00	36.54 -1.92 0.00	36.84 -1.82 0.00	39.55 -2.84 0.00	40.83 -3.12 0.00	38.90 -3.34 0.00	36.59 -3.14 0.00	39.91 -3.80 0.00	40.62 -3.92 0.00	39.37 -3.89 0.00	39.03 -3.81 0.00	39.67 -3.97 0.00	42.56 -4.26 0.00	48.77 -5.24 0.00	58.58 -6.36 0.00	70.68 -7.16 0.00	67.66 -7.19 0.00	63.52 -6.67 0.00	59.72 -5.48 0.00	56.25 -4.63 0.00	54.30 -3.10 0.00
HOLTSVILLE_IC_1 23690	45.97 2.74 -2.30	44.15 2.60 -2.11	40.84 2.24 0.00	40.03 2.30 0.00	40.92 2.46 0.00	43.90 2.55 -2.69	45.51 2.97 -0.16	47.02 3.08 0.00	47.25 3.13 -1.89	42.47 2.74 0.00	46.64 2.93 0.00	47.40 2.85 0.00	46.08 2.81 0.00	45.67 2.83 0.00	46.65 3.01 0.00	53.70 3.23 -3.66	65.53 3.89 -7.64	91.85 4.87 -22.03	99.96 5.76 -16.36	95.27 5.54 -14.88	82.20 5.06 -6.95	79.15 4.50 -9.45	72.25 4.08 -7.29	67.38 3.68 -6.30
HOLTSVILLE_IC_10 23699	46.13 2.91 -2.30	44.35 2.80 -2.11	41.00 2.39 0.00	40.22 2.49 0.00	41.08 2.62 0.00	44.09 2.75 -2.69	45.73 3.18 -0.16	47.24 3.30 0.00	47.46 3.34 -1.89	42.67 2.94 0.00	46.86 3.15 0.00	47.58 3.03 0.00	46.25 2.98 0.00	45.85 3.00 0.00	46.87 3.23 0.00	53.94 3.46 -3.66	65.85 4.21 -7.64	92.30 5.33 -22.03	100.51 6.30 -16.36	95.79 6.06 -14.88	82.68 5.54 -6.95	79.55 4.89 -9.45	72.61 4.44 -7.29	67.72 4.02 -6.30
HOLTSVILLE_IC_2 23691	45.97 2.74 -2.30	44.15 2.60 -2.11	40.84 2.24 0.00	40.03 2.30 0.00	40.92 2.46 0.00	43.90 2.55 -2.69	45.51 2.97 -0.16	47.02 3.08 0.00	47.25 3.13 -1.89	42.47 2.74 0.00	46.64 2.93 0.00	47.40 2.85 0.00	46.08 2.81 0.00	45.67 2.83 0.00	46.65 3.01 0.00	53.70 3.23 -3.66	65.53 3.89 -7.64	91.85 4.87 -22.03	99.96 5.76 -16.36	95.27 5.54 -14.88	82.20 5.06 -6.95	79.15 4.50 -9.45	72.25 4.08 -7.29	67.38 3.68 -6.30
HOLTSVILLE_IC_3 23692	45.97 2.74 -2.30	44.15 2.60 -2.11	40.84 2.24 0.00	40.03 2.30 0.00	40.92 2.46 0.00	43.90 2.55 -2.69	45.51 2.97 -0.16	47.02 3.08 0.00	47.25 3.13 -1.89	42.47 2.74 0.00	46.64 2.93 0.00	47.40 2.85 0.00	46.08 2.81 0.00	45.67 2.83 0.00	46.65 3.01 0.00	53.70 3.23 -3.66	65.53 3.89 -7.64	91.85 4.87 -22.03	99.96 5.76 -16.36	95.27 5.54 -14.88	82.20 5.06 -6.95	79.15 4.50 -9.45	72.25 4.08 -7.29	67.38 3.68 -6.30
HOLTSVILLE_IC_4 23693	45.97 2.74 -2.30	44.15 2.60 -2.11	40.84 2.24 0.00	40.03 2.30 0.00	40.92 2.46 0.00	43.90 2.55 -2.69	45.51 2.97 -0.16	47.02 3.08 0.00	47.25 3.13 -1.89	42.47 2.74 0.00	46.64 2.93 0.00	47.40 2.85 0.00	46.08 2.81 0.00	45.67 2.83 0.00	46.65 3.01 0.00	53.70 3.23 -3.66	65.53 3.89 -7.64	91.85 4.87 -22.03	99.96 5.76 -16.36	95.27 5.54 -14.88	82.20 5.06 -6.95	79.15 4.50 -9.45	72.25 4.08 -7.29	67.38 3.68 -6.30
HOLTSVILLE_IC_5 23694	45.97 2.74 -2.30	44.15 2.60 -2.11	40.84 2.24 0.00	40.03 2.30 0.00	40.92 2.46 0.00	43.90 2.55 -2.69	45.51 2.97 -0.16	47.02 3.08 0.00	47.25 3.13 -1.89	42.47 2.74 0.00	46.64 2.93 0.00	47.40 2.85 0.00	46.08 2.81 0.00	45.67 2.83 0.00	46.65 3.01 0.00	53.70 3.23 -3.66	65.53 3.89 -7.64	91.85 4.87 -22.03	99.96 5.76 -16.36	95.27 5.54 -14.88	82.20 5.06 -6.95	79.15 4.50 -9.45	72.25 4.08 -7.29	67.38 3.68 -6.30
HOLTSVILLE_IC_6 23695	46.13 2.91 -2.30	44.35 2.80 -2.11	41.00 2.39 0.00	40.22 2.49 0.00	41.08 2.62 0.00	44.09 2.75 -2.69	45.73 3.18 -0.16	47.24 3.30 0.00	47.46 3.34 -1.89	42.67 2.94 0.00	46.86 3.15 0.00	47.58 3.03 0.00	46.25 2.98 0.00	45.85 3.00 0.00	46.87 3.23 0.00	53.94 3.46 -3.66	65.85 4.21 -7.64	92.30 5.33 -22.03	100.51 6.30 -16.36	95.79 6.06 -14.88	82.68 5.54 -6.95	79.55 4.89 -9.45	72.61 4.44 -7.29	67.72 4.02 -6.30
HOLTSVILLE_IC_7 23696	46.13 2.91 -2.30	44.35 2.80 -2.11	41.00 2.39 0.00	40.22 2.49 0.00	41.08 2.62 0.00	44.09 2.75 -2.69	45.73 3.18 -0.16	47.24 3.30 0.00	47.46 3.34 -1.89	42.67 2.94 0.00	46.86 3.15 0.00	47.58 3.03 0.00	46.25 2.98 0.00	45.85 3.00 0.00	46.87 3.23 0.00	53.94 3.46 -3.66	65.85 4.21 -7.64	92.30 5.33 -22.03	100.51 6.30 -16.36	95.79 6.06 -14.88	82.68 5.54 -6.95	79.55 4.89 -9.45	72.61 4.44 -7.29	67.72 4.02 -6.30
HOLTSVILLE_IC_8 23697	46.13 2.91 -2.30	44.35 2.80 -2.11	41.00 2.39 0.00	40.22 2.49 0.00	41.08 2.62 0.00	44.09 2.75 -2.69	45.73 3.18 -0.16	47.24 3.30 0.00	47.46 3.34 -1.89	42.67 2.94 0.00	46.86 3.15 0.00	47.58 3.03 0.00	46.25 2.98 0.00	45.85 3.00 0.00	46.87 3.23 0.00	53.94 3.46 -3.66	65.85 4.21 -7.64	92.30 5.33 -22.03	100.51 6.30 -16.36	95.79 6.06 -14.88	82.68 5.54 -6.95	79.55 4.89 -9.45	72.61 4.44 -7.29	67.72 4.02 -6.30
HOLTSVILLE_IC_9 23698	46.13 2.91 -2.30	44.35 2.80 -2.11	41.00 2.39 0.00	40.22 2.49 0.00	41.08 2.62 0.00	44.09 2.75 -2.69	45.73 3.18 -0.16	47.24 3.30 0.00	47.46 3.34 -1.89	42.67 2.94 0.00	46.86 3.15 0.00	47.58 3.03 0.00	46.25 2.98 0.00	45.85 3.00 0.00	46.87 3.23 0.00	53.94 3.46 -3.66	65.85 4.21 -7.64	92.30 5.33 -22.03	100.51 6.30 -16.36	95.79 6.06 -14.88	82.68 5.54 -6.95	79.55 4.89 -9.45	72.61 4.44 -7.29	67.72 4.02 -6.30
HOMER_HL_115KV_TB2 355744	40.27 -0.65 0.00	38.92 -0.51 0.00	38.10 -0.50 0.00	37.24 -0.49 0.00	38.15 -0.31 0.00	38.47 -0.19 0.00	41.42 -0.97 0.00	42.76 -1.19 0.00	40.67 -1.56 0.00	38.22 -1.51 0.00	41.62 -2.10 0.00	42.36 -2.18 0.00	41.06 -2.21 0.00	40.79 -2.06 0.00	41.42 -2.23 0.00	44.48 -2.34 0.00	50.98 -3.02 0.00	61.05 -3.90 0.00	73.64 -4.20 0.00	70.43 -4.42 0.00	66.18 -4.00 0.00	61.88 -3.33 0.00	58.14 -2.74 0.00	56.02 -1.38 0.00
HOWARD_WT_PWR 323690	39.12 -1.80 0.00	37.94 -1.50 0.00	37.21 -1.39 0.00	36.38 -1.36 0.00	37.08 -1.38 0.00	37.34 -1.31 0.00	40.27 -2.12 0.00	41.71 -2.24 0.00	39.70 -2.53 0.00	37.35 -2.38 0.00	40.57 -3.15 0.00	41.30 -3.25 0.00	39.76 -3.50 0.00	39.21 -3.64 0.00	39.98 -3.67 0.00	43.03 -3.79 0.00	49.79 -4.21 0.00	60.64 -4.68 -0.37	73.33 -4.83 -0.32	70.55 -4.86 -0.57	66.03 -4.42 -0.26	61.68 -3.85 -0.32	57.53 -3.35 0.00	54.99 -2.41 0.00



HQ_GEN_CEDARS 23644	41.87 0.94 0.00	40.27 0.83 0.00	39.34 0.73 0.00	38.37 0.64 0.00	39.11 0.65 0.00	39.32 0.66 0.00	43.11 0.72 0.00	44.74 0.79 0.00	42.95 0.72 0.00	40.33 0.60 0.00	44.46 0.74 0.00	45.26 0.71 0.00	44.05 0.78 0.00	43.62 0.77 0.00	44.43 0.79 0.00	47.66 0.84 0.00	54.87 0.86 0.00	65.66 0.71 0.00	78.07 0.23 0.00	75.52 0.67 0.00	70.96 0.77 0.00	66.37 1.17 0.00	62.28 1.40 0.00	58.72 1.32 0.00
HQ_GEN_CEDARS_PROXY 323590	41.87 0.94 0.00	40.27 0.83 0.00	39.33 0.73 0.00	38.37 0.64 0.00	39.11 0.65 0.00	39.32 0.66 0.00	43.11 0.72 0.00	44.74 0.79 0.00	43.00 0.76 0.00	40.33 0.60 0.00	44.46 0.74 0.00	45.26 0.71 0.00	44.05 0.78 0.00	43.62 0.77 0.00	44.43 0.79 0.00	47.66 0.84 0.00	54.86 0.86 0.00	65.66 0.72 0.00	78.07 0.23 0.00	75.52 0.67 0.00	70.96 0.77 0.00	66.38 1.17 0.00	62.28 1.40 0.00	58.72 1.32 0.00
HQ_GEN_IMPORT 323601	41.13 0.21 0.00	39.64 0.20 0.00	38.76 0.16 0.00	37.85 0.11 0.00	38.58 0.12 0.00	38.77 0.12 0.00	42.56 0.17 0.00	44.17 0.22 0.00	42.45 0.21 0.00	39.89 0.16 0.00	43.89 0.18 0.00	44.68 0.13 0.00	43.44 0.17 0.00	43.02 0.17 0.00	43.78 0.13 0.00	46.96 0.14 0.00	54.11 0.11 0.00	65.01 0.07 0.00	77.84 0.00 0.00	74.92 0.07 0.00	70.26 0.07 0.00	65.40 0.20 0.00	61.19 0.31 0.00	57.69 0.29 0.00
HQ_GEN_WHEEL 23651	41.13 0.21 0.00	39.64 0.20 0.00	38.76 0.16 0.00	37.85 0.11 0.00	38.58 0.12 0.00	38.77 0.12 0.00	42.56 0.17 0.00	44.17 0.22 0.00	42.45 0.21 0.00	39.89 0.16 0.00	43.89 0.18 0.00	44.68 0.13 0.00	43.44 0.17 0.00	43.02 0.17 0.00	43.78 0.13 0.00	46.96 0.14 0.00	54.11 0.11 0.00	65.01 0.07 0.00	77.84 0.00 0.00	74.92 0.07 0.00	70.26 0.07 0.00	65.40 0.20 0.00	61.19 0.31 0.00	57.69 0.29 0.00
HUDSON AVE_GT_3 23810	42.72 1.80 0.00	41.13 1.70 0.00	40.18 1.58 0.00	39.32 1.58 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.43 2.03 0.00	46.01 2.07 0.00	44.43 2.20 0.00	41.96 2.22 0.00	46.03 2.32 0.00	46.91 2.36 0.00	45.60 2.34 0.00	45.12 2.27 0.00	45.91 2.27 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.67 3.31 -1.42	85.35 3.81 -3.70	87.63 3.74 -9.04	80.60 3.51 -6.90	72.71 2.87 -4.64	64.99 2.44 -1.67	59.53 2.12 0.00
HUDSON AVE_GT_4 23540	42.72 1.80 0.00	41.13 1.70 0.00	40.18 1.58 0.00	39.32 1.58 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.43 2.03 0.00	46.01 2.07 0.00	44.43 2.20 0.00	41.96 2.22 0.00	46.03 2.32 0.00	46.91 2.36 0.00	45.60 2.34 0.00	45.12 2.27 0.00	45.91 2.27 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.67 3.31 -1.42	85.35 3.81 -3.70	87.63 3.74 -9.04	80.60 3.51 -6.90	72.71 2.87 -4.64	64.99 2.44 -1.67	59.53 2.12 0.00
HUDSON AVE_GT_5 23657	42.72 1.80 0.00	41.13 1.70 0.00	40.18 1.58 0.00	39.32 1.58 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.43 2.03 0.00	46.01 2.07 0.00	44.43 2.20 0.00	41.96 2.22 0.00	46.03 2.32 0.00	46.91 2.36 0.00	45.60 2.34 0.00	45.12 2.27 0.00	45.91 2.27 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.67 3.31 -1.42	85.35 3.81 -3.70	87.63 3.74 -9.04	80.60 3.51 -6.90	72.71 2.87 -4.64	64.99 2.44 -1.67	59.53 2.12 0.00
HUDSON_AVE_10 24168	42.56 1.64 0.00	40.98 1.54 0.00	39.99 1.39 0.00	39.13 1.40 0.00	39.92 1.46 0.00	40.13 1.47 0.00	44.26 1.87 0.00	45.84 1.89 0.00	44.30 2.07 0.00	41.80 2.07 0.00	45.90 2.19 0.00	46.77 2.23 0.00	45.47 2.21 0.00	44.99 2.14 0.00	45.78 2.14 0.00	48.88 2.06 0.00	56.32 2.32 0.00	69.41 3.05 -1.42	85.12 3.58 -3.70	87.41 3.52 -9.04	80.39 3.30 -6.90	72.45 2.61 -4.64	64.69 2.13 -1.67	59.24 1.84 0.00
HUDSON___115KV_TB 4 355613	42.44 1.51 0.00	40.90 1.46 0.00	40.03 1.43 0.00	39.13 1.40 0.00	39.88 1.42 0.00	40.09 1.43 0.00	44.04 1.65 0.00	45.49 1.54 0.00	43.59 1.35 0.00	40.88 1.15 0.00	45.25 1.53 0.00	46.19 1.65 0.00	44.74 1.47 0.00	44.35 1.50 0.00	45.22 1.57 0.00	48.60 1.78 0.00	56.49 2.48 0.00	73.38 2.86 -5.58	86.19 3.50 -4.85	86.95 3.52 -8.59	77.53 3.37 -3.97	73.07 2.93 -4.94	63.99 3.11 0.00	60.21 2.81 0.00
HUNTER MOUNT___DRP 323613	42.72 1.80 0.00	41.17 1.74 0.00	40.30 1.70 0.00	39.39 1.66 0.00	40.15 1.69 0.00	40.32 1.66 0.00	44.34 1.95 0.00	45.75 1.80 0.00	43.80 1.56 0.00	41.00 1.27 0.00	45.33 1.62 0.00	46.28 1.74 0.00	44.78 1.51 0.00	44.48 1.63 0.00	45.35 1.70 0.00	48.74 1.92 0.00	56.76 2.75 0.00	72.77 2.99 -4.84	85.70 3.66 -4.21	85.96 3.67 -7.45	77.14 3.51 -3.44	72.55 3.06 -4.28	64.47 3.59 0.00	60.67 3.27 0.00
HUNTINGTON_RES_REC 323705	46.05 2.82 -2.30	44.23 2.68 -2.11	40.92 2.32 0.00	40.11 2.38 0.00	40.96 2.50 0.00	43.94 2.59 -2.69	45.60 3.05 -0.16	47.11 3.17 0.00	47.34 3.21 -1.89	42.59 2.86 0.00	46.82 3.10 0.00	47.58 3.03 0.00	46.25 2.98 0.00	45.89 3.04 0.00	46.83 3.18 0.00	53.89 3.42 -3.66	65.69 4.05 -7.64	92.10 5.13 -22.03	100.28 6.08 -16.36	95.57 5.84 -14.88	82.47 5.33 -6.95	79.35 4.70 -9.45	72.37 4.20 -7.29	67.43 3.73 -6.30
HUNTLEY___63 23557	38.84 -2.09 0.00	37.39 -2.05 0.00	36.59 -2.01 0.00	35.77 -1.96 0.00	36.65 -1.81 0.00	36.96 -1.70 0.00	39.42 -2.97 0.00	41.00 -2.94 0.00	38.98 -3.25 0.00	36.67 -3.06 0.00	39.96 -3.76 0.00	40.76 -3.79 0.00	39.50 -3.76 0.00	39.29 -3.56 0.00	39.93 -3.71 0.00	42.84 -3.98 0.00	48.93 -5.08 0.00	58.00 -6.95 0.00	69.90 -7.94 0.00	66.69 -8.16 0.00	62.61 -7.58 0.00	58.88 -6.32 0.00	55.71 -5.18 0.00	53.79 -3.62 0.00
HUNTLEY___64 23558	38.84 -2.09 0.00	37.39 -2.05 0.00	36.59 -2.01 0.00	35.77 -1.96 0.00	36.65 -1.81 0.00	36.96 -1.70 0.00	39.42 -2.97 0.00	41.00 -2.94 0.00	38.98 -3.25 0.00	36.67 -3.06 0.00	39.96 -3.76 0.00	40.76 -3.79 0.00	39.50 -3.76 0.00	39.29 -3.56 0.00	39.93 -3.71 0.00	42.84 -3.98 0.00	48.93 -5.08 0.00	58.00 -6.95 0.00	69.90 -7.94 0.00	66.69 -8.16 0.00	62.61 -7.58 0.00	58.88 -6.32 0.00	55.71 -5.18 0.00	53.79 -3.62 0.00
HUNTLEY___65 23559	38.84 -2.09 0.00	37.39 -2.05 0.00	36.59 -2.01 0.00	35.77 -1.96 0.00	36.65 -1.81 0.00	36.96 -1.70 0.00	39.42 -2.97 0.00	41.00 -2.94 0.00	38.98 -3.25 0.00	36.67 -3.06 0.00	39.96 -3.76 0.00	40.76 -3.79 0.00	39.50 -3.76 0.00	39.29 -3.56 0.00	39.93 -3.71 0.00	42.84 -3.98 0.00	48.93 -5.08 0.00	58.00 -6.95 0.00	69.90 -7.94 0.00	66.69 -8.16 0.00	62.61 -7.58 0.00	58.88 -6.32 0.00	55.71 -5.18 0.00	53.79 -3.62 0.00
HUNTLEY___66 23560	38.84 -2.09 0.00	37.39 -2.05 0.00	36.59 -2.01 0.00	35.77 -1.96 0.00	36.65 -1.81 0.00	36.96 -1.70 0.00	39.42 -2.97 0.00	41.00 -2.94 0.00	38.98 -3.25 0.00	36.67 -3.06 0.00	39.96 -3.76 0.00	40.76 -3.79 0.00	39.50 -3.76 0.00	39.29 -3.56 0.00	39.93 -3.71 0.00	42.84 -3.98 0.00	48.93 -5.08 0.00	58.00 -6.95 0.00	69.90 -7.94 0.00	66.69 -8.16 0.00	62.61 -7.58 0.00	58.88 -6.32 0.00	55.71 -5.18 0.00	53.79 -3.62 0.00



HUNTLEY___67 23561	38.67 -2.25 0.00	37.27 -2.17 0.00	36.48 -2.12 0.00	35.66 -2.08 0.00	36.50 -1.96 0.00	36.84 -1.82 0.00	39.38 -3.01 0.00	40.96 -2.99 0.00	38.94 -3.29 0.00	36.55 -3.18 0.00	39.82 -3.89 0.00	40.63 -3.92 0.00	39.42 -3.85 0.00	39.21 -3.64 0.00	39.80 -3.84 0.00	42.74 -4.07 0.00	48.82 -5.18 0.00	57.93 -7.01 0.00	69.74 -8.10 0.00	66.54 -8.31 0.00	62.47 -7.72 0.00	58.75 -6.45 0.00	55.52 -5.36 0.00	53.67 -3.73 0.00
HUNTLEY___68 23562	38.67 -2.25 0.00	37.27 -2.17 0.00	36.48 -2.12 0.00	35.66 -2.08 0.00	36.50 -1.96 0.00	36.84 -1.82 0.00	39.38 -3.01 0.00	40.96 -2.99 0.00	38.94 -3.29 0.00	36.55 -3.18 0.00	39.82 -3.89 0.00	40.63 -3.92 0.00	39.42 -3.85 0.00	39.21 -3.64 0.00	39.80 -3.84 0.00	42.74 -4.07 0.00	48.82 -5.18 0.00	57.93 -7.01 0.00	69.74 -8.10 0.00	66.54 -8.31 0.00	62.47 -7.72 0.00	58.75 -6.45 0.00	55.52 -5.36 0.00	53.67 -3.73 0.00
HYLAND___LFGE 323620	40.92 0.00 0.00	39.48 0.04 0.00	38.64 0.04 0.00	37.77 0.04 0.00	38.58 0.12 0.00	38.97 0.31 0.00	42.14 -0.25 0.00	43.46 -0.48 0.00	41.22 -1.01 0.00	38.42 -1.31 0.00	41.66 -2.05 0.00	42.32 -2.23 0.00	40.80 -2.46 0.00	40.28 -2.57 0.00	41.07 -2.58 0.00	44.15 -2.67 0.00	50.93 -3.08 0.00	62.15 -2.79 0.00	76.44 -1.40 0.00	73.80 -1.05 0.00	69.42 -0.77 0.00	64.81 -0.39 0.00	60.76 -0.12 0.00	58.03 0.63 0.00
INDECK___CORINTH 23802	44.44 3.52 0.00	42.79 3.35 0.00	41.88 3.28 0.00	40.90 3.17 0.00	41.65 3.19 0.00	41.94 3.28 0.00	46.16 3.77 0.00	47.82 3.87 0.00	45.82 3.59 0.00	42.99 3.26 0.00	47.30 3.59 0.00	48.51 3.96 0.00	46.82 3.55 0.00	46.53 3.69 0.00	47.49 3.84 0.00	51.08 4.26 0.00	59.40 5.40 0.00	85.85 6.88 -14.02	98.20 8.17 -12.19	104.21 7.78 -21.58	87.40 7.23 -9.98	84.51 6.91 -12.40	67.21 6.33 0.00	63.26 5.86 0.00
INDECK___ILION 23567	41.17 0.25 0.00	39.71 0.28 0.00	38.87 0.27 0.00	38.00 0.26 0.00	38.69 0.23 0.00	38.89 0.23 0.00	42.65 0.25 0.00	44.17 0.22 0.00	42.45 0.21 0.00	39.93 0.20 0.00	43.89 0.17 0.00	44.68 0.13 0.00	43.35 0.09 0.00	42.93 0.09 0.00	43.73 0.09 0.00	46.91 0.09 0.00	54.16 0.16 0.00	65.27 0.32 0.00	78.38 0.54 0.00	75.37 0.52 0.00	70.68 0.49 0.00	65.72 0.52 0.00	61.31 0.43 0.00	57.75 0.34 0.00
INDECK___OLEAN 23982	40.19 -0.74 0.00	38.92 -0.51 0.00	38.14 -0.46 0.00	37.28 -0.45 0.00	38.15 -0.31 0.00	38.47 -0.19 0.00	41.42 -0.97 0.00	42.63 -1.32 0.00	40.59 -1.65 0.00	38.26 -1.47 0.00	41.62 -2.10 0.00	42.36 -2.18 0.00	41.06 -2.21 0.00	40.75 -2.10 0.00	41.37 -2.27 0.00	44.33 -2.48 0.00	50.76 -3.24 0.00	61.05 -3.89 0.00	73.63 -4.20 0.00	70.43 -4.42 0.00	66.19 -4.00 0.00	61.88 -3.32 0.00	58.08 -2.80 0.00	56.08 -1.32 0.00
INDECK___OSWEGO 23783	41.09 0.16 0.00	39.56 0.12 0.00	38.72 0.12 0.00	37.85 0.11 0.00	38.61 0.15 0.00	38.81 0.16 0.00	42.43 0.04 0.00	44.04 0.09 0.00	42.28 0.04 0.00	39.81 0.08 0.00	43.85 0.13 0.00	44.63 0.09 0.00	43.40 0.13 0.00	42.89 0.04 0.00	43.69 0.04 0.00	47.00 0.19 0.00	54.16 0.16 0.00	65.34 0.39 0.00	78.70 0.86 0.00	75.52 0.67 0.00	70.82 0.63 0.00	65.79 0.59 0.00	61.37 0.48 0.00	57.98 0.57 0.00
INDECK___YERKES 23781	38.75 -2.17 0.00	37.43 -2.01 0.00	36.63 -1.97 0.00	35.81 -1.92 0.00	36.69 -1.77 0.00	37.00 -1.66 0.00	39.47 -2.92 0.00	40.78 -3.16 0.00	38.94 -3.29 0.00	36.67 -3.06 0.00	40.00 -3.72 0.00	40.80 -3.74 0.00	39.55 -3.72 0.00	39.29 -3.56 0.00	39.85 -3.80 0.00	42.70 -4.12 0.00	48.66 -5.35 0.00	58.06 -6.89 0.00	69.98 -7.86 0.00	66.76 -8.08 0.00	62.68 -7.51 0.00	58.94 -6.26 0.00	55.59 -5.30 0.00	53.84 -3.56 0.00
INDIAN POINT_GT_1 24139	42.32 1.39 0.00	40.82 1.38 0.00	39.88 1.27 0.00	39.02 1.28 0.00	39.81 1.35 0.00	40.01 1.35 0.00	44.00 1.61 0.00	45.49 1.54 0.00	43.92 1.69 0.00	41.40 1.67 0.00	45.46 1.75 0.00	46.33 1.78 0.00	45.00 1.73 0.00	44.56 1.71 0.00	45.35 1.70 0.00	48.55 1.73 0.00	55.95 1.94 0.00	68.86 2.53 -1.38	103.82 2.96 -23.03	140.53 2.84 -62.83	125.97 2.67 -53.12	98.53 2.15 -31.17	77.37 1.70 -14.78	58.78 1.38 0.00
INDIAN POINT_GT_2 23659	42.32 1.39 0.00	40.82 1.38 0.00	39.88 1.27 0.00	39.02 1.28 0.00	39.81 1.35 0.00	40.01 1.35 0.00	44.00 1.61 0.00	45.49 1.54 0.00	43.92 1.69 0.00	41.40 1.67 0.00	45.46 1.75 0.00	46.33 1.78 0.00	45.00 1.73 0.00	44.56 1.71 0.00	45.35 1.70 0.00	48.55 1.73 0.00	55.95 1.94 0.00	68.86 2.53 -1.38	103.82 2.96 -23.03	140.53 2.84 -62.83	125.97 2.67 -53.12	98.53 2.15 -31.17	77.37 1.70 -14.78	58.78 1.38 0.00
INDIAN POINT_GT_3 24019	42.32 1.39 0.00	40.82 1.38 0.00	39.88 1.27 0.00	39.02 1.28 0.00	39.81 1.35 0.00	40.01 1.35 0.00	44.00 1.61 0.00	45.49 1.54 0.00	43.92 1.69 0.00	41.40 1.67 0.00	45.46 1.75 0.00	46.33 1.78 0.00	45.00 1.73 0.00	44.56 1.71 0.00	45.35 1.70 0.00	48.55 1.73 0.00	55.95 1.94 0.00	68.86 2.53 -1.38	103.82 2.96 -23.03	140.53 2.84 -62.83	125.97 2.67 -53.12	98.53 2.15 -31.17	77.37 1.70 -14.78	58.78 1.38 0.00
INDIAN POINT___2 23530	42.19 1.27 0.00	40.70 1.26 0.00	39.76 1.16 0.00	38.90 1.17 0.00	39.69 1.23 0.00	39.86 1.20 0.00	43.83 1.44 0.00	45.40 1.45 0.00	43.75 1.52 0.00	41.24 1.51 0.00	45.29 1.57 0.00	46.10 1.56 0.00	44.78 1.51 0.00	44.39 1.54 0.00	45.17 1.53 0.00	48.36 1.54 0.00	55.73 1.73 0.00	68.42 2.14 -1.34	74.34 2.49 5.99	59.41 2.39 17.83	56.30 2.25 16.13	58.33 1.76 8.63	57.44 1.40 4.84	58.49 1.09 0.00
INDIAN POINT___3 23531	42.36 1.43 0.00	40.86 1.42 0.00	39.91 1.31 0.00	39.05 1.32 0.00	39.84 1.38 0.00	40.01 1.35 0.00	44.04 1.65 0.00	45.53 1.58 0.00	43.97 1.73 0.00	41.44 1.71 0.00	45.51 1.79 0.00	46.37 1.83 0.00	45.08 1.82 0.00	44.60 1.76 0.00	45.43 1.79 0.00	48.60 1.78 0.00	56.00 2.00 0.00	68.87 2.53 -1.39	84.73 2.96 -3.93	87.41 2.84 -9.72	80.35 2.67 -7.50	72.32 2.15 -4.97	64.49 1.77 -1.85	58.84 1.44 0.00
INGHAM_C_115KV_TB7 356103	41.29 0.37 0.00	39.83 0.39 0.00	39.03 0.42 0.00	38.11 0.38 0.00	38.81 0.35 0.00	39.01 0.35 0.00	42.77 0.38 0.00	44.30 0.35 0.00	42.49 0.25 0.00	39.93 0.20 0.00	43.80 0.09 0.00	44.59 0.04 0.00	43.27 0.00 0.00	42.80 -0.04 0.00	43.60 -0.04 0.00	46.68 -0.14 0.00	53.95 -0.05 0.00	65.07 0.13 0.00	78.15 0.31 0.00	75.22 0.37 0.00	70.54 0.35 0.00	65.72 0.52 0.00	61.31 0.43 0.00	57.80 0.40 0.00
IP CORINTH___1 23988	44.44 3.52 0.00	42.79 3.35 0.00	41.88 3.28 0.00	40.90 3.17 0.00	41.65 3.19 0.00	41.94 3.29 0.00	46.16 3.77 0.00	47.77 3.82 0.00	45.82 3.59 0.00	42.99 3.26 0.00	47.39 3.67 0.00	48.51 3.96 0.00	46.82 3.55 0.00	46.53 3.68 0.00	47.49 3.84 0.00	51.03 4.21 0.00	59.40 5.40 0.00	85.85 6.88 -14.02	98.20 8.17 -12.19	104.21 7.78 -21.58	87.39 7.23 -9.98	84.52 6.91 -12.40	67.21 6.33 0.00	63.26 5.85 0.00



IP__TICONDEROGA 23804	45.96 5.03 0.00	44.21 4.77 0.00	43.31 4.71 0.00	42.26 4.53 0.00	43.00 4.54 0.00	43.37 4.72 0.00	47.73 5.34 0.00	49.35 5.41 0.00	47.26 5.03 0.00	44.18 4.45 0.00	48.79 5.07 0.00	50.02 5.48 0.00	48.16 4.89 0.00	47.86 5.01 0.00	48.88 5.24 0.00	52.67 5.85 0.00	61.56 7.56 0.00	88.57 9.68 -13.94	101.56 11.60 -12.12	107.54 11.23 -21.46	90.57 10.46 -9.92	87.45 9.91 -12.34	69.89 9.01 0.00	65.78 8.38 0.00
ISLIP_RES_REC 323679	46.29 3.07 -2.30	44.47 2.92 -2.11	41.11 2.51 0.00	40.33 2.60 0.00	41.23 2.77 0.00	44.21 2.86 -2.69	45.86 3.31 -0.16	47.38 3.43 0.00	47.59 3.46 -1.89	42.79 3.06 0.00	47.00 3.28 0.00	47.71 3.16 0.00	46.34 3.07 0.00	45.97 3.13 0.00	47.01 3.36 0.00	54.08 3.61 -3.66	66.01 4.37 -7.64	92.56 5.59 -22.03	100.90 6.70 -16.36	96.17 6.44 -14.88	82.96 5.82 -6.95	79.87 5.22 -9.45	72.92 4.75 -7.29	67.95 4.25 -6.30
JAMAICA__27_KV_LOAD 355505	42.56 1.64 0.00	40.90 1.46 0.00	39.95 1.35 0.00	39.05 1.32 0.00	39.84 1.38 0.00	40.05 1.39 0.00	44.26 1.87 0.00	45.92 1.98 0.00	44.43 2.20 0.00	41.96 2.22 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.56 2.29 0.00	45.12 2.27 0.00	45.91 2.27 0.00	48.92 2.11 0.00	56.43 2.43 0.00	69.54 3.18 -1.42	85.35 3.81 -3.70	87.63 3.74 -9.04	80.67 3.58 -6.90	72.58 2.74 -4.64	64.69 2.13 -1.67	59.18 1.78 0.00
JANIS__SOLAR 323808	42.32 1.39 0.00	40.74 1.30 0.00	39.92 1.31 0.00	39.02 1.28 0.00	39.81 1.35 0.00	40.13 1.47 0.00	43.91 1.52 0.00	45.57 1.63 0.00	43.63 1.39 0.00	40.92 1.19 0.00	44.76 1.05 0.00	45.48 0.94 0.00	44.09 0.82 0.00	43.53 0.68 0.00	44.47 0.83 0.00	48.03 1.22 0.00	55.68 1.68 0.00	68.11 2.47 -0.70	82.26 3.81 -0.61	79.21 3.29 -1.07	73.77 3.08 -0.50	68.68 2.87 -0.62	63.38 2.50 0.00	59.99 2.59 0.00
JARVIS____ 23743	41.05 0.12 0.00	39.56 0.12 0.00	38.76 0.16 0.00	37.88 0.15 0.00	38.58 0.12 0.00	38.77 0.12 0.00	42.52 0.13 0.00	44.08 0.13 0.00	42.40 0.17 0.00	39.89 0.16 0.00	43.89 0.18 0.00	44.72 0.18 0.00	43.44 0.17 0.00	43.02 0.17 0.00	43.82 0.18 0.00	47.00 0.19 0.00	54.33 0.33 0.00	65.34 0.39 0.00	78.39 0.55 0.00	75.38 0.53 0.00	70.68 0.49 0.00	65.59 0.39 0.00	61.19 0.31 0.00	57.69 0.29 0.00
JENNISON__1 23625	42.64 1.72 0.00	41.05 1.62 0.00	40.22 1.62 0.00	39.32 1.58 0.00	40.11 1.65 0.00	40.40 1.74 0.00	44.21 1.82 0.00	45.92 1.98 0.00	44.09 1.86 0.00	41.40 1.67 0.00	45.38 1.66 0.00	46.24 1.69 0.00	44.83 1.56 0.00	44.30 1.46 0.00	45.22 1.57 0.00	48.74 1.92 0.00	56.43 2.43 0.00	69.20 3.12 -1.14	83.26 4.44 -0.99	80.41 3.82 -1.75	74.57 3.58 -0.81	69.60 3.39 -1.00	63.80 2.92 0.00	60.33 2.93 0.00
JENNISON__2 23626	42.64 1.72 0.00	41.05 1.62 0.00	40.22 1.62 0.00	39.32 1.58 0.00	40.11 1.65 0.00	40.40 1.74 0.00	44.21 1.82 0.00	45.92 1.98 0.00	44.09 1.86 0.00	41.40 1.67 0.00	45.38 1.66 0.00	46.24 1.69 0.00	44.83 1.56 0.00	44.30 1.46 0.00	45.22 1.57 0.00	48.74 1.92 0.00	56.43 2.43 0.00	69.20 3.12 -1.14	83.26 4.44 -0.99	80.41 3.82 -1.75	74.57 3.58 -0.81	69.60 3.39 -1.00	63.80 2.92 0.00	60.33 2.93 0.00
JERICHO_RISE_WT_PWR 323719	41.01 0.08 0.00	39.44 0.00 0.00	38.49 -0.12 0.00	37.47 -0.26 0.00	38.11 -0.35 0.00	38.43 -0.23 0.00	42.35 -0.04 0.00	44.08 0.13 0.00	42.36 0.13 0.00	39.73 0.00 0.00	43.63 -0.09 0.00	44.32 -0.22 0.00	43.10 -0.17 0.00	42.68 -0.17 0.00	43.43 -0.22 0.00	46.49 -0.33 0.00	53.41 -0.59 0.00	63.90 -1.04 0.00	76.52 -1.32 0.00	73.73 -1.12 0.00	69.20 -0.98 0.00	64.68 -0.52 0.00	60.58 -0.30 0.00	57.12 -0.29 0.00
KATONAH__115KV_46KV_TB4 355592	42.77 1.84 0.00	41.21 1.77 0.00	40.26 1.66 0.00	39.39 1.66 0.00	40.15 1.69 0.00	40.36 1.70 0.00	44.38 1.99 0.00	45.92 1.98 0.00	44.39 2.15 0.00	41.76 2.03 0.00	46.03 2.32 0.00	46.86 2.32 0.00	45.43 2.16 0.00	44.99 2.14 0.00	45.83 2.18 0.00	49.06 2.25 0.00	56.70 2.70 0.00	70.02 3.64 -1.43	85.03 4.20 -2.99	86.01 4.12 -7.05	79.15 3.79 -5.18	72.05 3.19 -3.66	64.80 2.74 -1.18	59.64 2.24 0.00
KCE_NY_1 323755	43.58 2.66 0.00	42.00 2.56 0.00	41.11 2.51 0.00	40.15 2.42 0.00	40.92 2.46 0.00	41.17 2.51 0.00	45.23 2.84 0.00	46.80 2.85 0.00	44.94 2.71 0.00	42.20 2.46 0.00	46.47 2.76 0.00	47.58 3.03 0.00	46.04 2.77 0.00	45.67 2.83 0.00	46.61 2.97 0.00	50.09 3.28 0.00	58.10 4.10 0.00	84.20 5.20 -14.06	96.20 6.15 -12.22	102.32 5.84 -21.63	85.60 5.40 -10.01	82.73 5.09 -12.44	65.51 4.62 0.00	61.71 4.31 0.00
KCE_NY_6_ESR 323823	39.12 -1.80 0.00	37.78 -1.65 0.00	36.98 -1.62 0.00	36.15 -1.58 0.00	37.04 -1.42 0.00	37.34 -1.31 0.00	39.98 -2.41 0.00	41.31 -2.64 0.00	39.41 -2.83 0.00	37.15 -2.58 0.00	40.48 -3.23 0.00	41.25 -3.30 0.00	40.02 -3.25 0.00	39.72 -3.13 0.00	40.29 -3.36 0.00	43.21 -3.60 0.00	49.30 -4.70 0.00	58.97 -5.97 0.00	71.14 -6.69 0.00	67.89 -6.96 0.00	63.80 -6.39 0.00	59.92 -5.28 0.00	56.50 -4.38 0.00	54.65 -2.75 0.00
KEDC_PORT_JEFF_GT2 24210	46.13 2.91 -2.30	44.35 2.80 -2.11	41.00 2.39 0.00	40.22 2.49 0.00	41.08 2.62 0.00	44.05 2.71 -2.69	45.68 3.14 -0.16	47.24 3.30 0.00	47.46 3.34 -1.89	42.67 2.94 0.00	46.86 3.15 0.00	47.58 3.03 0.00	46.25 2.98 0.00	45.89 3.04 0.00	46.87 3.23 0.00	53.99 3.51 -3.66	65.85 4.21 -7.64	92.30 5.33 -22.03	100.59 6.38 -16.36	95.79 6.06 -14.88	82.68 5.54 -6.95	79.55 4.89 -9.45	72.61 4.44 -7.29	67.72 4.02 -6.30
KEDC_PORT_JEFF_GT3 24211	46.13 2.91 -2.30	44.35 2.80 -2.11	41.00 2.39 0.00	40.22 2.49 0.00	41.08 2.62 0.00	44.05 2.71 -2.69	45.68 3.14 -0.16	47.24 3.30 0.00	47.46 3.34 -1.89	42.67 2.94 0.00	46.86 3.15 0.00	47.58 3.03 0.00	46.25 2.98 0.00	45.89 3.04 0.00	46.87 3.23 0.00	53.99 3.51 -3.66	65.85 4.21 -7.64	92.30 5.33 -22.03	100.59 6.38 -16.36	95.79 6.06 -14.88	82.68 5.54 -6.95	79.55 4.89 -9.45	72.61 4.44 -7.29	67.72 4.02 -6.30
KEDC_GLWD_GT4 24219	45.76 2.54 -2.30	43.99 2.45 -2.11	40.72 2.12 0.00	39.88 2.15 0.00	40.73 2.27 0.00	43.71 2.36 -2.69	45.30 2.75 -0.16	46.76 2.82 0.00	47.04 2.91 -1.89	42.39 2.66 0.00	46.60 2.88 0.00	47.40 2.85 0.00	46.12 2.85 0.00	45.72 2.87 0.00	46.61 2.97 0.00	53.61 3.14 -3.66	65.20 3.56 -7.64	91.13 4.16 -22.03	99.19 4.99 -16.36	94.52 4.79 -14.88	81.49 4.35 -6.95	78.44 3.78 -9.45	71.52 3.35 -7.29	66.57 2.87 -6.30
KEDC_GLWD_GT5 24220	45.76 2.54 -2.30	43.99 2.45 -2.11	40.72 2.12 0.00	39.88 2.15 0.00	40.73 2.27 0.00	43.71 2.36 -2.69	45.30 2.75 -0.16	46.76 2.82 0.00	47.04 2.91 -1.89	42.39 2.66 0.00	46.60 2.88 0.00	47.40 2.85 0.00	46.12 2.85 0.00	45.72 2.87 0.00	46.61 2.97 0.00	53.61 3.14 -3.66	65.20 3.56 -7.64	91.13 4.16 -22.03	99.19 4.99 -16.36	94.52 4.79 -14.88	81.49 4.35 -6.95	78.44 3.78 -9.45	71.52 3.35 -7.29	66.57 2.87 -6.30



KENSICO____ 23655	42.60 1.68 0.00	41.01 1.58 0.00	40.11 1.51 0.00	39.20 1.47 0.00	40.00 1.54 0.00	40.20 1.55 0.00	44.26 1.87 0.00	45.79 1.85 0.00	44.22 1.99 0.00	41.68 1.95 0.00	45.81 2.10 0.00	46.68 2.14 0.00	45.34 2.08 0.00	44.90 2.06 0.00	45.70 2.05 0.00	48.88 2.06 0.00	56.38 2.38 0.00	69.41 3.05 -1.41	85.34 3.58 -3.92	87.95 3.44 -9.66	80.85 3.23 -7.43	72.82 2.67 -4.94	64.90 2.19 -1.82	59.30 1.89 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	42.60 1.68 0.00	41.05 1.62 0.00	40.11 1.51 0.00	39.20 1.47 0.00	40.00 1.54 0.00	40.20 1.55 0.00	44.26 1.87 0.00	45.75 1.80 0.00	44.05 1.82 0.00	41.44 1.71 0.00	45.42 1.70 0.00	46.28 1.74 0.00	44.95 1.69 0.00	44.52 1.67 0.00	45.35 1.70 0.00	48.60 1.78 0.00	56.22 2.21 0.00	69.64 3.05 -1.65	82.49 3.81 -0.84	79.63 3.89 -0.89	73.45 3.51 0.24	68.78 2.93 -0.64	62.86 2.37 0.40	59.35 1.95 0.00
KIAC_JFK_GT1 23816	42.36 1.43 0.00	40.70 1.26 0.00	39.76 1.16 0.00	38.86 1.13 0.00	39.65 1.19 0.00	39.86 1.20 0.00	44.04 1.65 0.00	45.66 1.71 0.00	44.22 1.99 0.00	41.76 2.03 0.00	45.77 2.05 0.00	46.64 2.09 0.00	45.39 2.12 0.00	44.90 2.06 0.00	45.70 2.05 0.00	48.50 1.69 0.00	55.89 1.89 0.00	68.96 2.60 -1.42	84.57 3.04 -3.70	86.96 3.07 -9.04	79.97 2.88 -6.90	71.93 2.09 -4.64	64.14 1.58 -1.67	58.61 1.21 0.00
KIAC_JFK_GT2 23817	42.36 1.43 0.00	40.70 1.26 0.00	39.76 1.16 0.00	38.86 1.13 0.00	39.65 1.19 0.00	39.86 1.20 0.00	44.04 1.65 0.00	45.66 1.71 0.00	44.22 1.99 0.00	41.76 2.03 0.00	45.77 2.05 0.00	46.64 2.09 0.00	45.39 2.12 0.00	44.90 2.06 0.00	45.70 2.05 0.00	48.50 1.69 0.00	55.89 1.89 0.00	68.96 2.60 -1.42	84.57 3.04 -3.70	86.96 3.07 -9.04	79.97 2.88 -6.90	71.93 2.09 -4.64	64.14 1.58 -1.67	58.61 1.21 0.00
KIAC_JFK____ 323774	42.36 1.43 0.00	40.74 1.30 0.00	39.76 1.16 0.00	38.86 1.13 0.00	39.65 1.19 0.00	39.86 1.20 0.00	44.09 1.70 0.00	45.79 1.85 0.00	44.30 2.07 0.00	41.80 2.06 0.00	45.77 2.06 0.00	46.64 2.09 0.00	45.39 2.12 0.00	44.90 2.06 0.00	45.74 2.09 0.00	48.59 1.78 0.00	56.05 2.05 0.00	68.96 2.60 -1.42	84.57 3.03 -3.70	86.96 3.07 -9.04	79.97 2.88 -6.90	71.93 2.09 -4.64	64.20 1.64 -1.67	58.55 1.15 0.00
KINTIGH____ 23543	38.43 -2.50 0.00	37.03 -2.41 0.00	36.25 -2.35 0.00	35.43 -2.30 0.00	36.23 -2.23 0.00	36.53 -2.13 0.00	39.25 -3.14 0.00	40.83 -3.12 0.00	38.86 -3.38 0.00	36.47 -3.26 0.00	39.82 -3.89 0.00	40.63 -3.92 0.00	39.42 -3.85 0.00	39.16 -3.68 0.00	39.85 -3.80 0.00	42.74 -4.07 0.00	48.87 -5.13 0.00	58.13 -6.82 0.00	69.90 -7.94 0.00	66.76 -8.08 0.00	62.61 -7.58 0.00	58.68 -6.52 0.00	55.40 -5.48 0.00	53.33 -4.08 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	41.50 0.57 0.00	39.91 0.47 0.00	38.83 0.23 0.00	37.73 0.00 0.00	38.38 -0.08 0.00	38.77 0.12 0.00	42.81 0.42 0.00	44.65 0.70 0.00	42.91 0.68 0.00	40.17 0.44 0.00	44.02 0.31 0.00	44.59 0.04 0.00	43.31 0.04 0.00	42.89 0.04 0.00	43.60 -0.04 0.00	46.63 -0.19 0.00	53.52 -0.49 0.00	63.97 -0.97 0.00	76.59 -1.25 0.00	73.73 -1.12 0.00	69.20 -0.98 0.00	64.88 -0.33 0.00	60.88 0.00 0.00	57.29 -0.11 0.00
LACHUTE__HYDRO 323717	45.96 5.03 0.00	44.21 4.77 0.00	43.31 4.71 0.00	42.26 4.53 0.00	43.00 4.54 0.00	43.37 4.71 0.00	47.73 5.34 0.00	49.40 5.45 0.00	47.26 5.02 0.00	44.22 4.49 0.00	48.65 4.94 0.00	50.02 5.48 0.00	48.16 4.89 0.00	47.86 5.01 0.00	48.88 5.24 0.00	52.67 5.85 0.00	61.56 7.56 0.00	88.57 9.68 -13.94	101.56 11.60 -12.12	107.53 11.22 -21.46	90.57 10.46 -9.92	87.44 9.91 -12.34	69.89 9.01 0.00	65.78 8.38 0.00
LAWRNCV_115KV_TB1 80681	41.74 0.82 0.00	40.15 0.71 0.00	39.18 0.58 0.00	38.26 0.53 0.00	38.96 0.50 0.00	39.12 0.46 0.00	42.77 0.38 0.00	44.39 0.44 0.00	42.62 0.38 0.00	40.01 0.28 0.00	44.20 0.48 0.00	45.08 0.53 0.00	43.92 0.65 0.00	43.49 0.64 0.00	44.26 0.61 0.00	47.52 0.70 0.00	54.60 0.59 0.00	65.14 0.19 0.00	77.53 -0.31 0.00	74.92 0.07 0.00	70.47 0.28 0.00	66.11 0.91 0.00	62.16 1.28 0.00	58.61 1.21 0.00
LEDERLE____ 23769	42.44 1.51 0.00	40.94 1.50 0.00	39.99 1.39 0.00	39.13 1.40 0.00	39.92 1.46 0.00	40.13 1.47 0.00	44.09 1.70 0.00	45.62 1.67 0.00	44.01 1.77 0.00	41.48 1.75 0.00	45.55 1.84 0.00	46.37 1.83 0.00	45.08 1.82 0.00	44.65 1.80 0.00	45.43 1.79 0.00	48.60 1.78 0.00	56.00 2.00 0.00	68.89 2.60 -1.34	78.07 3.04 2.81	68.78 2.92 8.99	64.39 2.74 8.54	63.09 2.15 4.26	59.90 1.70 2.69	58.78 1.38 0.00
LIGHTHSE_115KV_TB6 355974	41.09 0.16 0.00	39.52 0.08 0.00	38.64 0.04 0.00	37.77 0.04 0.00	38.50 0.04 0.00	38.66 0.00 0.00	42.22 -0.17 0.00	43.86 -0.09 0.00	42.07 -0.17 0.00	39.53 -0.20 0.00	43.54 -0.17 0.00	44.32 -0.22 0.00	43.09 -0.17 0.00	42.59 -0.26 0.00	43.43 -0.22 0.00	46.72 -0.09 0.00	53.95 -0.05 0.00	64.94 0.00 0.00	78.46 0.62 0.00	75.37 0.52 0.00	70.82 0.63 0.00	65.85 0.65 0.00	61.43 0.55 0.00	57.92 0.52 0.00
LINDEN COGEN____ 23786	42.43 1.59 0.09	40.94 1.50 0.00	39.95 1.35 0.00	39.09 1.36 0.00	39.84 1.38 0.00	40.09 1.43 0.00	44.21 1.82 0.00	45.84 1.89 0.00	44.22 1.99 0.00	41.76 2.03 0.00	45.81 2.10 0.00	46.68 2.14 0.00	45.39 2.12 0.00	44.90 2.06 0.00	45.70 2.05 0.00	48.18 2.06 0.69	48.31 2.37 8.07	61.50 2.73 6.17	76.30 3.19 4.73	70.21 3.07 7.71	66.40 2.95 6.73	60.65 2.28 6.83	56.16 1.95 6.67	48.18 1.67 10.89
LINDHRST_69_KV_BK1 356055	46.09 2.86 -2.30	44.31 2.76 -2.11	40.96 2.35 0.00	40.15 2.41 0.00	41.04 2.58 0.00	44.02 2.67 -2.69	45.64 3.09 -0.16	47.07 3.12 0.00	47.30 3.17 -1.89	42.59 2.86 0.00	46.82 3.10 0.00	47.62 3.07 0.00	46.30 3.03 0.00	45.89 3.04 0.00	46.83 3.19 0.00	53.80 3.32 -3.66	65.58 3.94 -7.64	91.98 5.00 -22.03	100.12 5.92 -16.36	95.49 5.76 -14.88	82.40 5.26 -6.95	79.29 4.63 -9.45	72.25 4.08 -7.29	67.43 3.73 -6.30
LIPA_MISC_IPP 23656	45.97 2.74 -2.30	44.19 2.64 -2.11	40.92 2.32 0.00	40.11 2.38 0.00	41.04 2.58 0.00	43.94 2.59 -2.69	45.60 3.05 -0.16	47.02 3.08 0.00	47.30 3.17 -1.89	42.55 2.82 0.00	46.60 2.89 0.00	47.35 2.81 0.00	45.99 2.73 0.00	45.63 2.79 0.00	46.61 2.97 0.00	53.66 3.18 -3.66	65.53 3.89 -7.64	91.98 5.00 -22.03	100.20 5.99 -16.36	95.49 5.76 -14.88	82.40 5.26 -6.95	79.29 4.63 -9.45	72.37 4.20 -7.29	67.55 3.85 -6.30
LISF__SOLAR 323691	46.09 2.86 -2.30	44.27 2.72 -2.11	40.96 2.36 0.00	40.18 2.45 0.00	41.04 2.58 0.00	44.01 2.67 -2.69	45.64 3.09 -0.16	47.15 3.21 0.00	47.38 3.25 -1.89	42.59 2.86 0.00	46.69 2.97 0.00	47.35 2.81 0.00	46.04 2.77 0.00	45.63 2.78 0.00	46.70 3.05 0.00	53.80 3.32 -3.66	65.69 4.05 -7.64	92.10 5.13 -22.03	100.43 6.23 -16.36	95.64 5.91 -14.88	82.54 5.40 -6.95	79.48 4.82 -9.45	72.56 4.39 -7.29	67.66 3.96 -6.30



LITTLE FALLS___HYD 24013	41.29 0.37 0.00	39.83 0.39 0.00	39.03 0.42 0.00	38.11 0.38 0.00	38.81 0.35 0.00	39.01 0.35 0.00	42.77 0.38 0.00	44.30 0.35 0.00	42.49 0.25 0.00	39.93 0.20 0.00	43.80 0.09 0.00	44.59 0.04 0.00	43.27 0.00 0.00	42.80 -0.04 0.00	43.60 -0.04 0.00	46.68 -0.14 0.00	53.95 -0.05 0.00	65.07 0.13 0.00	78.15 0.31 0.00	75.22 0.37 0.00	70.54 0.35 0.00	65.72 0.52 0.00	61.31 0.43 0.00	57.80 0.40 0.00
LITTLRIV_115KV_TB1 356100	42.23 1.31 0.00	40.58 1.14 0.00	39.61 1.00 0.00	38.64 0.91 0.00	39.38 0.92 0.00	39.55 0.89 0.00	43.24 0.85 0.00	44.87 0.92 0.00	43.04 0.80 0.00	40.33 0.60 0.00	44.55 0.83 0.00	45.48 0.94 0.00	44.26 1.00 0.00	43.83 0.99 0.00	44.65 1.00 0.00	47.94 1.12 0.00	55.19 1.19 0.00	65.92 0.97 0.00	78.77 0.93 0.00	76.05 1.20 0.00	71.52 1.33 0.00	67.09 1.89 0.00	63.01 2.13 0.00	59.41 2.01 0.00
LI_NEWBRDGE___DRP 323616	45.43 2.21 -2.30	43.68 2.13 -2.11	40.42 1.81 0.00	39.58 1.85 0.00	40.46 2.00 0.00	43.40 2.05 -2.69	45.01 2.46 -0.16	46.36 2.42 0.00	46.66 2.53 -1.89	42.08 2.34 0.00	46.25 2.54 0.00	47.08 2.54 0.00	45.78 2.51 0.00	45.33 2.49 0.00	46.22 2.58 0.00	53.14 2.67 -3.66	64.72 3.08 -7.64	90.87 3.90 -22.03	98.80 4.59 -16.36	94.14 4.42 -14.88	81.21 4.07 -6.95	78.18 3.52 -9.45	71.21 3.04 -7.29	66.40 2.70 -6.30
LOCKPORT_115KV_TB60_63_64 80432	38.47 -2.46 0.00	37.03 -2.41 0.00	36.25 -2.35 0.00	35.43 -2.30 0.00	36.27 -2.19 0.00	36.61 -2.05 0.00	39.13 -3.26 0.00	40.70 -3.25 0.00	38.69 -3.55 0.00	36.32 -3.42 0.00	39.61 -4.11 0.00	40.40 -4.14 0.00	39.16 -4.11 0.00	38.95 -3.90 0.00	39.54 -4.10 0.00	42.46 -4.35 0.00	48.49 -5.51 0.00	57.48 -7.47 0.00	69.28 -8.56 0.00	66.17 -8.68 0.00	62.04 -8.14 0.00	58.36 -6.85 0.00	55.22 -5.66 0.00	53.33 -4.08 0.00
LOCKPORT___CC1 323769	38.39 -2.54 0.00	37.03 -2.41 0.00	36.25 -2.36 0.00	35.43 -2.30 0.00	36.31 -2.15 0.00	36.61 -2.05 0.00	39.13 -3.26 0.00	40.43 -3.52 0.00	38.60 -3.63 0.00	36.31 -3.42 0.00	39.60 -4.11 0.00	40.40 -4.14 0.00	39.16 -4.11 0.00	38.91 -3.94 0.00	39.41 -4.23 0.00	42.28 -4.54 0.00	48.12 -5.88 0.00	57.48 -7.47 0.00	69.28 -8.56 0.00	66.09 -8.76 0.00	62.05 -8.14 0.00	58.36 -6.85 0.00	55.04 -5.84 0.00	53.33 -4.07 0.00
LOCKPORT___CC2 323770	38.39 -2.54 0.00	37.03 -2.41 0.00	36.25 -2.36 0.00	35.43 -2.30 0.00	36.31 -2.15 0.00	36.61 -2.05 0.00	39.13 -3.26 0.00	40.43 -3.52 0.00	38.60 -3.63 0.00	36.31 -3.42 0.00	39.60 -4.11 0.00	40.40 -4.14 0.00	39.16 -4.11 0.00	38.91 -3.94 0.00	39.41 -4.23 0.00	42.28 -4.54 0.00	48.12 -5.88 0.00	57.48 -7.47 0.00	69.28 -8.56 0.00	66.09 -8.76 0.00	62.05 -8.14 0.00	58.36 -6.85 0.00	55.04 -5.84 0.00	53.33 -4.07 0.00
LOCKPORT___CC3 323771	38.39 -2.54 0.00	37.03 -2.41 0.00	36.25 -2.36 0.00	35.43 -2.30 0.00	36.31 -2.15 0.00	36.61 -2.05 0.00	39.13 -3.26 0.00	40.43 -3.52 0.00	38.60 -3.63 0.00	36.31 -3.42 0.00	39.60 -4.11 0.00	40.40 -4.14 0.00	39.16 -4.11 0.00	38.91 -3.94 0.00	39.41 -4.23 0.00	42.28 -4.54 0.00	48.12 -5.88 0.00	57.48 -7.47 0.00	69.28 -8.56 0.00	66.09 -8.76 0.00	62.05 -8.14 0.00	58.36 -6.85 0.00	55.04 -5.84 0.00	53.33 -4.07 0.00
LONG_LAKE_PHOENIX 24014	40.72 -0.20 0.00	39.20 -0.24 0.00	38.37 -0.23 0.00	37.51 -0.23 0.00	38.23 -0.23 0.00	38.43 -0.23 0.00	42.05 -0.34 0.00	43.68 -0.26 0.00	41.94 -0.30 0.00	39.49 -0.24 0.00	43.45 -0.26 0.00	44.28 -0.27 0.00	43.01 -0.26 0.00	42.50 -0.34 0.00	43.34 -0.31 0.00	46.58 -0.23 0.00	53.73 -0.27 0.00	64.75 -0.19 0.00	77.92 0.08 0.00	74.77 -0.07 0.00	70.12 -0.07 0.00	65.07 -0.13 0.00	60.76 -0.12 0.00	57.40 0.00 0.00
LOVETT___3 23632	42.23 1.31 0.00	40.74 1.30 0.00	39.84 1.24 0.00	38.98 1.25 0.00	39.77 1.31 0.00	39.93 1.28 0.00	43.92 1.53 0.00	45.44 1.49 0.00	43.84 1.60 0.00	41.32 1.59 0.00	45.38 1.66 0.00	46.24 1.69 0.00	44.91 1.64 0.00	44.48 1.63 0.00	45.26 1.61 0.00	48.41 1.59 0.00	55.73 1.73 0.00	68.57 2.27 -1.36	77.61 2.57 2.80	68.42 2.54 8.97	64.04 2.39 8.53	62.77 1.83 4.26	59.65 1.46 2.69	58.55 1.15 0.00
LOVETT___4 23642	42.23 1.31 0.00	40.74 1.30 0.00	39.84 1.24 0.00	38.98 1.25 0.00	39.77 1.31 0.00	39.93 1.28 0.00	43.92 1.53 0.00	45.44 1.49 0.00	43.84 1.60 0.00	41.32 1.59 0.00	45.38 1.66 0.00	46.24 1.69 0.00	44.91 1.64 0.00	44.48 1.63 0.00	45.26 1.61 0.00	48.41 1.59 0.00	55.73 1.73 0.00	68.57 2.27 -1.36	77.61 2.57 2.80	68.42 2.54 8.97	64.04 2.39 8.53	62.77 1.83 4.26	59.65 1.46 2.69	58.55 1.15 0.00
LOVETT___5 23593	42.23 1.31 0.00	40.74 1.30 0.00	39.84 1.24 0.00	38.98 1.25 0.00	39.77 1.31 0.00	39.93 1.28 0.00	43.92 1.53 0.00	45.44 1.49 0.00	43.84 1.60 0.00	41.32 1.59 0.00	45.38 1.66 0.00	46.24 1.69 0.00	44.91 1.64 0.00	44.48 1.63 0.00	45.26 1.61 0.00	48.41 1.59 0.00	55.73 1.73 0.00	68.57 2.27 -1.36	77.61 2.57 2.80	68.42 2.54 8.97	64.04 2.39 8.53	62.77 1.83 4.26	59.65 1.46 2.69	58.55 1.15 0.00
LOWER RAQUET___HYD 24057	41.74 0.82 0.00	40.11 0.67 0.00	39.18 0.58 0.00	38.22 0.49 0.00	38.92 0.46 0.00	39.05 0.39 0.00	42.65 0.26 0.00	44.30 0.35 0.00	42.53 0.30 0.00	39.89 0.16 0.00	44.15 0.44 0.00	45.04 0.49 0.00	43.87 0.61 0.00	43.40 0.56 0.00	44.21 0.57 0.00	47.47 0.66 0.00	54.54 0.54 0.00	65.01 0.07 0.00	77.38 -0.46 0.00	74.77 -0.07 0.00	70.33 0.14 0.00	65.99 0.79 0.00	62.10 1.22 0.00	58.61 1.21 0.00
LOWER___HUDSON 24059	42.72 1.80 0.00	41.21 1.78 0.00	40.34 1.74 0.00	39.43 1.70 0.00	40.15 1.69 0.00	40.36 1.70 0.00	44.34 1.95 0.00	45.93 1.98 0.00	44.18 1.94 0.00	41.56 1.83 0.00	45.81 2.10 0.00	46.77 2.23 0.00	45.34 2.08 0.00	44.95 2.10 0.00	45.83 2.18 0.00	49.16 2.34 0.00	56.86 2.86 0.00	80.66 3.57 -12.14	92.59 4.20 -10.55	97.57 4.04 -18.69	82.54 3.72 -8.64	79.33 3.39 -10.74	63.99 3.10 0.00	60.21 2.81 0.00
LOWVILLE_115KV_TB2 356335	41.66 0.74 0.00	40.03 0.59 0.00	39.10 0.50 0.00	38.22 0.49 0.00	38.88 0.42 0.00	39.12 0.46 0.00	42.81 0.42 0.00	44.52 0.57 0.00	42.70 0.46 0.00	40.05 0.32 0.00	43.98 0.26 0.00	44.77 0.22 0.00	43.53 0.26 0.00	43.06 0.21 0.00	43.91 0.26 0.00	47.28 0.47 0.00	54.70 0.70 0.00	65.98 1.04 0.00	79.86 2.02 0.00	76.79 1.95 0.00	72.08 1.90 0.00	67.16 1.96 0.00	62.59 1.70 0.00	58.95 1.55 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	43.54 2.62 0.00	41.96 2.52 0.00	41.07 2.47 0.00	40.15 2.41 0.00	40.88 2.42 0.00	41.13 2.47 0.00	45.19 2.80 0.00	46.80 2.86 0.00	44.90 2.66 0.00	42.16 2.42 0.00	46.51 2.80 0.00	47.53 2.98 0.00	45.99 2.73 0.00	45.68 2.83 0.00	46.57 2.92 0.00	50.05 3.23 0.00	58.05 4.05 0.00	84.13 5.13 -14.06	96.13 6.07 -12.22	102.32 5.84 -21.63	85.59 5.40 -10.01	82.66 5.02 -12.44	65.51 4.63 0.00	61.65 4.25 0.00



LUTHERNY_35_KV_BK2 355980	43.54 2.62 0.00	42.00 2.56 0.00	41.11 2.51 0.00	40.15 2.41 0.00	40.92 2.46 0.00	41.17 2.51 0.00	45.23 2.84 0.00	46.80 2.86 0.00	44.94 2.70 0.00	42.20 2.46 0.00	46.51 2.80 0.00	47.57 3.03 0.00	46.04 2.77 0.00	45.68 2.83 0.00	46.57 2.92 0.00	50.05 3.23 0.00	58.11 4.10 0.00	84.20 5.20 -14.06	96.21 6.15 -12.22	102.32 5.84 -21.63	85.59 5.40 -10.01	82.72 5.09 -12.44	65.51 4.63 0.00	61.71 4.31 0.00
LWR___OSWEGATCHIE_HYD 23850	41.62 0.70 0.00	39.99 0.55 0.00	39.03 0.42 0.00	38.11 0.38 0.00	38.81 0.35 0.00	38.97 0.31 0.00	42.60 0.21 0.00	44.30 0.35 0.00	42.49 0.25 0.00	39.85 0.12 0.00	43.93 0.22 0.00	44.77 0.22 0.00	43.57 0.30 0.00	43.15 0.30 0.00	43.95 0.31 0.00	47.24 0.42 0.00	54.49 0.49 0.00	65.33 0.39 0.00	78.46 0.62 0.00	75.67 0.82 0.00	71.10 0.91 0.00	66.51 1.30 0.00	62.28 1.40 0.00	58.72 1.32 0.00
LYONS_FALL_HYD 23570	41.70 0.78 0.00	40.11 0.67 0.00	39.18 0.58 0.00	38.30 0.57 0.00	39.00 0.54 0.00	39.20 0.54 0.00	42.94 0.55 0.00	44.61 0.66 0.00	42.83 0.59 0.00	40.25 0.52 0.00	44.20 0.48 0.00	45.04 0.49 0.00	43.74 0.48 0.00	43.28 0.43 0.00	44.13 0.48 0.00	47.47 0.66 0.00	54.92 0.92 0.00	66.18 1.23 0.00	80.02 2.18 0.00	76.87 2.02 0.00	72.15 1.96 0.00	67.09 1.89 0.00	62.53 1.64 0.00	58.89 1.49 0.00
MADISON___COUNTY_LFGE 323628	41.78 0.86 0.00	40.23 0.79 0.00	39.37 0.77 0.00	38.49 0.75 0.00	39.19 0.73 0.00	39.43 0.77 0.00	43.20 0.81 0.00	44.78 0.83 0.00	43.04 0.80 0.00	40.45 0.72 0.00	44.46 0.74 0.00	45.30 0.76 0.00	44.00 0.74 0.00	43.49 0.64 0.00	44.34 0.70 0.00	47.71 0.89 0.00	55.19 1.19 0.00	66.50 1.56 0.00	80.17 2.34 0.00	76.94 2.10 0.00	72.15 1.97 0.00	67.03 1.83 0.00	62.47 1.58 0.00	58.84 1.44 0.00
MALONE___115KV_TB1 356076	41.74 0.82 0.00	40.11 0.67 0.00	39.10 0.50 0.00	38.11 0.38 0.00	38.81 0.35 0.00	39.08 0.43 0.00	43.03 0.64 0.00	44.78 0.83 0.00	43.00 0.76 0.00	40.33 0.60 0.00	44.37 0.66 0.00	45.08 0.53 0.00	43.92 0.65 0.00	43.49 0.64 0.00	44.21 0.57 0.00	47.38 0.56 0.00	54.49 0.49 0.00	65.07 0.13 0.00	77.84 0.00 0.00	74.92 0.07 0.00	70.40 0.21 0.00	65.98 0.78 0.00	61.92 1.03 0.00	58.32 0.92 0.00
MAPLEWOD_115KV_TB3 80458	42.19 1.27 0.00	40.74 1.30 0.00	39.88 1.27 0.00	38.98 1.25 0.00	39.73 1.27 0.00	39.93 1.28 0.00	43.83 1.44 0.00	45.40 1.45 0.00	43.63 1.39 0.00	41.08 1.35 0.00	45.42 1.70 0.00	46.37 1.83 0.00	44.95 1.69 0.00	44.56 1.71 0.00	45.39 1.75 0.00	48.74 1.92 0.00	56.32 2.32 0.00	77.74 2.86 -9.94	89.83 3.35 -8.64	93.36 3.22 -15.30	80.28 3.02 -7.07	76.73 2.74 -8.79	63.38 2.50 0.00	59.64 2.24 0.00
MAPLE_RIDGE_WT_1 323574	40.23 -0.70 0.00	38.77 -0.67 0.00	37.95 -0.66 0.00	37.09 -0.64 0.00	37.81 -0.65 0.00	38.00 -0.66 0.00	41.71 -0.68 0.00	43.29 -0.66 0.00	41.60 -0.63 0.00	39.09 -0.64 0.00	43.06 -0.65 0.00	43.88 -0.67 0.00	42.62 -0.65 0.00	42.25 -0.60 0.00	43.03 -0.61 0.00	46.16 -0.66 0.00	53.30 -0.70 0.00	64.17 -0.78 0.00	76.91 -0.93 0.00	74.10 -0.75 0.00	69.55 -0.63 0.00	64.75 -0.45 0.00	60.58 -0.30 0.00	57.12 -0.29 0.00
MAPLE_RIDGE_WT_2 323611	40.23 -0.70 0.00	38.77 -0.67 0.00	37.95 -0.66 0.00	37.09 -0.64 0.00	37.81 -0.65 0.00	38.00 -0.66 0.00	41.71 -0.68 0.00	43.29 -0.66 0.00	41.60 -0.63 0.00	39.09 -0.64 0.00	43.06 -0.65 0.00	43.88 -0.67 0.00	42.62 -0.65 0.00	42.25 -0.60 0.00	43.03 -0.61 0.00	46.16 -0.66 0.00	53.30 -0.70 0.00	64.17 -0.78 0.00	76.91 -0.93 0.00	74.10 -0.75 0.00	69.55 -0.63 0.00	64.75 -0.45 0.00	60.58 -0.30 0.00	57.12 -0.29 0.00
MARBLE_RIVER_WT_PWR 323696	40.68 -0.24 0.00	39.12 -0.32 0.00	38.02 -0.58 0.00	36.87 -0.87 0.00	37.50 -0.96 0.00	37.84 -0.81 0.00	41.93 -0.47 0.00	43.73 -0.22 0.00	42.02 -0.21 0.00	39.26 -0.48 0.00	42.88 -0.83 0.00	43.39 -1.16 0.00	42.06 -1.21 0.00	41.65 -1.20 0.00	42.34 -1.31 0.00	45.27 -1.54 0.00	51.95 -2.05 0.00	61.96 -2.99 0.00	74.18 -3.66 0.00	71.41 -3.44 0.00	67.03 -3.16 0.00	62.86 -2.34 0.00	59.06 -1.82 0.00	55.62 -1.78 0.00
MARSHVLE_115KV_TB1 80742	43.22 2.29 0.00	41.57 2.13 0.00	40.69 2.08 0.00	39.77 2.04 0.00	40.54 2.08 0.00	40.82 2.16 0.00	44.85 2.46 0.00	46.50 2.55 0.00	44.39 2.15 0.00	41.44 1.71 0.00	45.51 1.79 0.00	46.24 1.69 0.00	44.78 1.51 0.00	44.65 1.80 0.00	45.61 1.96 0.00	49.06 2.25 0.00	57.19 3.19 0.00	82.60 4.35 -13.30	94.85 5.45 -11.56	100.63 5.31 -20.47	84.63 4.98 -9.47	81.79 4.82 -11.77	65.14 4.26 0.00	61.31 3.90 0.00
MARSH_HILL_WT_PWR 323713	39.17 -1.76 0.00	37.98 -1.46 0.00	37.25 -1.35 0.00	36.41 -1.32 0.00	37.11 -1.35 0.00	37.38 -1.27 0.00	40.31 -2.08 0.00	41.75 -2.20 0.00	39.78 -2.45 0.00	37.43 -2.31 0.00	40.61 -3.10 0.00	41.34 -3.21 0.00	39.80 -3.46 0.00	39.21 -3.64 0.00	39.98 -3.67 0.00	43.07 -3.75 0.00	49.85 -4.16 0.00	60.70 -4.61 -0.36	73.40 -4.75 -0.31	70.61 -4.79 -0.56	66.09 -4.35 -0.26	61.74 -3.78 -0.32	57.53 -3.35 0.00	54.99 -2.41 0.00
MCINTYRE_115KV_TB2 80467	42.52 1.60 0.00	40.86 1.42 0.00	39.88 1.27 0.00	38.90 1.17 0.00	39.65 1.19 0.00	39.86 1.20 0.00	43.62 1.23 0.00	45.27 1.32 0.00	43.33 1.10 0.00	40.57 0.83 0.00	44.76 1.05 0.00	45.61 1.07 0.00	44.44 1.17 0.00	43.96 1.11 0.00	44.78 1.13 0.00	48.17 1.36 0.00	55.51 1.51 0.00	66.44 1.49 0.00	79.55 1.71 0.00	76.87 2.02 0.00	72.29 2.11 0.00	67.74 2.54 0.00	63.56 2.68 0.00	59.87 2.47 0.00
MECO_____69_KV_BK1 80468	43.91 2.99 0.00	42.24 2.80 0.00	41.34 2.74 0.00	40.37 2.64 0.00	41.15 2.69 0.00	41.48 2.82 0.00	45.57 3.18 0.00	47.16 3.21 0.00	45.11 2.87 0.00	42.12 2.38 0.00	46.34 2.62 0.00	47.22 2.67 0.00	45.60 2.34 0.00	45.42 2.57 0.00	46.35 2.71 0.00	49.95 3.14 0.00	58.21 4.21 0.00	84.80 5.59 -14.27	97.17 6.93 -12.40	103.55 6.74 -21.97	86.66 6.32 -10.16	83.83 6.00 -12.63	66.30 5.42 0.00	62.45 5.05 0.00
MENANDS___115KV_TB5 355628	41.99 1.06 0.00	40.54 1.10 0.00	39.72 1.12 0.00	38.83 1.09 0.00	39.54 1.08 0.00	39.74 1.08 0.00	43.66 1.27 0.00	45.18 1.23 0.00	43.46 1.22 0.00	40.92 1.19 0.00	45.29 1.57 0.00	46.24 1.69 0.00	44.83 1.56 0.00	44.43 1.59 0.00	45.26 1.61 0.00	48.55 1.73 0.00	56.11 2.11 0.00	76.99 2.60 -9.45	89.01 2.96 -8.21	92.23 2.84 -14.54	79.65 2.74 -6.72	75.97 2.41 -8.36	63.07 2.19 0.00	59.41 2.01 0.00
MG INDUSTRY___DRP 24185	41.95 1.02 0.00	40.46 1.03 0.00	39.68 1.08 0.00	38.79 1.06 0.00	39.50 1.04 0.00	39.66 1.01 0.00	43.54 1.14 0.00	45.05 1.10 0.00	43.21 0.97 0.00	40.61 0.87 0.00	44.90 1.18 0.00	45.84 1.29 0.00	44.44 1.17 0.00	44.05 1.20 0.00	44.91 1.27 0.00	48.22 1.40 0.00	55.78 1.78 0.00	72.26 2.14 -5.17	84.83 2.49 -4.50	85.28 2.47 -7.96	76.25 2.39 -3.68	71.86 2.09 -4.58	62.95 2.07 0.00	59.30 1.89 0.00



MID___OSWEGATCHIE_HYD 23849	41.62 0.70 0.00	39.99 0.55 0.00	39.03 0.42 0.00	38.11 0.38 0.00	38.81 0.35 0.00	38.97 0.31 0.00	42.60 0.21 0.00	44.30 0.35 0.00	42.49 0.25 0.00	39.85 0.12 0.00	43.93 0.22 0.00	44.77 0.22 0.00	43.57 0.30 0.00	43.15 0.30 0.00	43.95 0.31 0.00	47.24 0.42 0.00	54.49 0.49 0.00	65.33 0.39 0.00	78.46 0.62 0.00	75.67 0.82 0.00	71.10 0.91 0.00	66.51 1.30 0.00	62.28 1.40 0.00	58.72 1.32 0.00
MID___RAQUETTE_HYD 23851	41.74 0.82 0.00	40.11 0.67 0.00	39.18 0.58 0.00	38.22 0.49 0.00	38.92 0.46 0.00	39.05 0.39 0.00	42.65 0.25 0.00	44.30 0.35 0.00	42.53 0.30 0.00	39.89 0.16 0.00	44.15 0.44 0.00	45.04 0.49 0.00	43.87 0.61 0.00	43.40 0.56 0.00	44.21 0.57 0.00	47.47 0.66 0.00	54.54 0.54 0.00	65.01 0.06 0.00	77.37 -0.47 0.00	74.77 -0.07 0.00	70.33 0.14 0.00	65.98 0.78 0.00	62.10 1.22 0.00	58.61 1.21 0.00
MILLIKEN___1 23584	41.29 0.37 0.00	39.79 0.35 0.00	38.95 0.35 0.00	38.11 0.38 0.00	38.88 0.42 0.00	39.12 0.46 0.00	42.77 0.38 0.00	44.43 0.48 0.00	42.57 0.34 0.00	40.01 0.28 0.00	43.93 0.22 0.00	44.72 0.18 0.00	43.40 0.13 0.00	42.93 0.09 0.00	43.78 0.13 0.00	47.10 0.28 0.00	54.38 0.38 0.00	65.98 0.65 -0.38	79.34 1.17 -0.33	76.33 0.90 -0.59	71.30 0.84 -0.27	66.26 0.72 -0.34	61.55 0.67 0.00	58.21 0.80 0.00
MILLIKEN___2 23585	41.29 0.37 0.00	39.79 0.35 0.00	38.95 0.35 0.00	38.11 0.38 0.00	38.88 0.42 0.00	39.12 0.46 0.00	42.77 0.38 0.00	44.43 0.48 0.00	42.57 0.34 0.00	40.01 0.28 0.00	43.93 0.22 0.00	44.72 0.18 0.00	43.40 0.13 0.00	42.93 0.09 0.00	43.78 0.13 0.00	47.10 0.28 0.00	54.38 0.38 0.00	65.98 0.65 -0.38	79.34 1.17 -0.33	76.33 0.90 -0.59	71.30 0.84 -0.27	66.26 0.72 -0.34	61.55 0.67 0.00	58.21 0.80 0.00
MILLIKEN___DIESEL 23629	41.29 0.37 0.00	39.79 0.35 0.00	38.95 0.35 0.00	38.11 0.38 0.00	38.88 0.42 0.00	39.12 0.46 0.00	42.77 0.38 0.00	44.43 0.48 0.00	42.57 0.34 0.00	40.01 0.28 0.00	43.93 0.22 0.00	44.72 0.18 0.00	43.40 0.13 0.00	42.93 0.09 0.00	43.78 0.13 0.00	47.10 0.28 0.00	54.38 0.38 0.00	65.98 0.65 -0.38	79.34 1.17 -0.33	76.33 0.90 -0.59	71.30 0.84 -0.27	66.26 0.72 -0.34	61.55 0.67 0.00	58.21 0.80 0.00
MILLSEAT___LFGE 323607	39.12 -1.80 0.00	37.74 -1.69 0.00	36.94 -1.66 0.00	36.11 -1.62 0.00	36.96 -1.50 0.00	37.34 -1.31 0.00	40.02 -2.37 0.00	41.40 -2.55 0.00	39.58 -2.66 0.00	37.15 -2.58 0.00	40.61 -3.10 0.00	41.43 -3.12 0.00	40.11 -3.16 0.00	39.81 -3.04 0.00	40.37 -3.27 0.00	43.35 -3.46 0.00	49.47 -4.54 0.00	59.23 -5.72 0.00	71.61 -6.23 0.00	68.34 -6.51 0.00	64.08 -6.11 0.00	60.12 -5.09 0.00	56.62 -4.26 0.00	54.65 -2.75 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	42.44 1.51 0.00	40.90 1.46 0.00	39.99 1.39 0.00	39.09 1.36 0.00	39.88 1.42 0.00	40.09 1.43 0.00	44.09 1.70 0.00	45.62 1.67 0.00	44.05 1.82 0.00	41.52 1.79 0.00	45.64 1.92 0.00	46.46 1.92 0.00	45.17 1.90 0.00	44.73 1.89 0.00	45.52 1.88 0.00	48.69 1.87 0.00	56.11 2.11 0.00	69.13 2.79 -1.39	96.06 3.19 -15.03	118.56 3.14 -40.57	107.12 2.95 -33.99	87.74 2.35 -20.19	72.19 1.95 -9.36	59.01 1.61 0.00
MILLWOOD_13_KV_LOAD 356217	42.52 1.60 0.00	40.98 1.54 0.00	40.07 1.47 0.00	39.17 1.43 0.00	39.96 1.50 0.00	40.17 1.51 0.00	44.17 1.78 0.00	45.71 1.76 0.00	44.14 1.90 0.00	41.56 1.83 0.00	45.73 2.01 0.00	46.55 2.00 0.00	45.21 1.95 0.00	44.78 1.93 0.00	45.57 1.92 0.00	48.78 1.97 0.00	56.22 2.21 0.00	69.26 2.92 -1.39	96.29 3.42 -15.03	118.79 3.37 -40.57	107.26 3.09 -33.99	87.94 2.54 -20.19	72.37 2.13 -9.36	59.18 1.78 0.00
MODEL_CITY_ENERGY 24167	37.98 -2.95 0.00	36.68 -2.76 0.00	35.86 -2.74 0.00	35.05 -2.68 0.00	35.92 -2.54 0.00	36.22 -2.43 0.00	38.70 -3.69 0.00	39.99 -3.96 0.00	38.18 -4.05 0.00	35.92 -3.81 0.00	39.17 -4.55 0.00	39.96 -4.59 0.00	38.73 -4.54 0.00	38.48 -4.37 0.00	39.02 -4.63 0.00	41.81 -5.01 0.00	47.58 -6.43 0.00	56.76 -8.18 0.00	68.42 -9.42 0.00	65.27 -9.58 0.00	61.20 -8.98 0.00	57.57 -7.63 0.00	54.37 -6.51 0.00	52.70 -4.71 0.00
MODERN_LFGE___ 323580	37.98 -2.95 0.00	36.68 -2.76 0.00	35.86 -2.74 0.00	35.05 -2.68 0.00	35.92 -2.54 0.00	36.22 -2.43 0.00	38.70 -3.69 0.00	39.99 -3.96 0.00	38.18 -4.05 0.00	35.92 -3.81 0.00	39.17 -4.55 0.00	39.96 -4.59 0.00	38.73 -4.54 0.00	38.48 -4.37 0.00	39.02 -4.63 0.00	41.81 -5.01 0.00	47.58 -6.43 0.00	56.76 -8.18 0.00	68.42 -9.42 0.00	65.27 -9.58 0.00	61.20 -8.98 0.00	57.57 -7.63 0.00	54.37 -6.51 0.00	52.70 -4.71 0.00
MOHAWK_PAPER___DRP 24187	42.19 1.27 0.00	40.74 1.30 0.00	39.88 1.27 0.00	38.98 1.25 0.00	39.73 1.27 0.00	39.93 1.28 0.00	43.83 1.44 0.00	45.40 1.45 0.00	43.63 1.39 0.00	41.08 1.35 0.00	45.42 1.70 0.00	46.37 1.83 0.00	44.95 1.69 0.00	44.56 1.71 0.00	45.39 1.75 0.00	48.74 1.92 0.00	56.32 2.32 0.00	77.74 2.86 -9.94	89.83 3.35 -8.64	93.36 3.22 -15.30	80.28 3.02 -7.07	76.73 2.74 -8.79	63.38 2.50 0.00	59.64 2.24 0.00
MOHICAN___35_KV_115KV_LD 80490	44.40 3.48 0.00	42.79 3.35 0.00	41.84 3.24 0.00	40.86 3.13 0.00	41.61 3.15 0.00	41.94 3.29 0.00	46.12 3.73 0.00	47.73 3.78 0.00	45.78 3.55 0.00	42.95 3.22 0.00	47.34 3.63 0.00	48.47 3.92 0.00	46.82 3.55 0.00	46.49 3.64 0.00	47.44 3.80 0.00	51.03 4.21 0.00	59.35 5.35 0.00	85.73 6.88 -13.90	98.01 8.10 -12.08	104.02 7.78 -21.39	87.31 7.23 -9.89	84.34 6.85 -12.30	67.09 6.21 0.00	63.20 5.80 0.00
MONGAUP___HYD 23641	42.48 1.55 0.00	40.94 1.50 0.00	39.99 1.39 0.00	39.13 1.40 0.00	39.88 1.42 0.00	40.09 1.43 0.00	44.13 1.74 0.00	45.62 1.67 0.00	43.80 1.56 0.00	41.16 1.43 0.00	45.16 1.44 0.00	46.01 1.47 0.00	44.65 1.38 0.00	44.26 1.41 0.00	45.13 1.48 0.00	48.36 1.54 0.00	56.00 2.00 0.00	69.07 2.85 -1.27	79.74 3.51 1.60	72.87 3.59 5.57	67.86 3.23 5.55	65.35 2.74 2.59	61.24 2.19 1.83	59.18 1.78 0.00
MONTAUK___DIESEL 23721	45.76 2.54 -2.30	43.95 2.41 -2.11	40.61 2.01 0.00	39.88 2.15 0.00	40.84 2.38 0.00	43.78 2.44 -2.69	45.34 2.80 -0.16	46.80 2.86 0.00	47.25 3.13 -1.89	42.39 2.66 0.00	46.03 2.32 0.00	46.68 2.14 0.00	45.34 2.08 0.00	44.95 2.10 0.00	46.00 2.36 0.00	53.05 2.57 -3.66	64.77 3.13 -7.64	91.39 4.42 -22.03	99.89 5.68 -16.36	95.04 5.31 -14.88	81.77 4.63 -6.95	78.76 4.11 -9.45	71.88 3.71 -7.29	67.66 3.96 -6.30
MOONROAD_115KV_HARTFLD_TB1-2 355988	38.80 -2.13 0.00	37.39 -2.05 0.00	36.40 -2.20 0.00	35.51 -2.23 0.00	36.38 -2.08 0.00	36.80 -1.86 0.00	39.51 -2.88 0.00	40.91 -3.03 0.00	39.03 -3.21 0.00	36.79 -2.94 0.00	40.04 -3.67 0.00	40.85 -3.70 0.00	39.63 -3.63 0.00	39.38 -3.47 0.00	40.02 -3.62 0.00	42.98 -3.84 0.00	49.30 -4.70 0.00	58.78 -6.17 0.00	71.15 -6.69 0.00	68.11 -6.74 0.00	64.22 -5.97 0.00	60.51 -4.69 0.00	57.17 -3.71 0.00	55.28 -2.12 0.00



MORRIS_RIDGE___SOLAR 323848	39.04 -1.88 0.00	37.78 -1.65 0.00	37.02 -1.58 0.00	36.15 -1.58 0.00	36.96 -1.50 0.00	37.23 -1.43 0.00	40.10 -2.29 0.00	41.44 -2.50 0.00	39.45 -2.79 0.00	37.07 -2.66 0.00	40.44 -3.28 0.00	41.07 -3.47 0.00	39.76 -3.50 0.00	39.33 -3.51 0.00	40.02 -3.62 0.00	43.03 -3.79 0.00	49.52 -4.48 0.00	60.09 -5.20 -0.35	72.46 -5.68 -0.30	69.69 -5.69 -0.53	65.24 -5.19 -0.25	61.14 -4.37 -0.31	57.17 -3.72 0.00	54.94 -2.47 0.00
MORTIMER_115KV_TB3 55949	39.33 -1.60 0.00	37.86 -1.58 0.00	37.06 -1.54 0.00	36.22 -1.51 0.00	37.00 -1.46 0.00	37.31 -1.35 0.00	40.36 -2.03 0.00	42.01 -1.93 0.00	40.12 -2.11 0.00	37.67 -2.07 0.00	41.27 -2.45 0.00	42.14 -2.41 0.00	40.89 -2.38 0.00	40.53 -2.31 0.00	41.29 -2.36 0.00	44.33 -2.48 0.00	50.87 -3.13 0.00	60.79 -4.16 0.00	73.25 -4.59 0.00	70.06 -4.79 0.00	65.62 -4.56 0.00	61.29 -3.91 0.00	57.66 -3.23 0.00	55.05 -2.35 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	42.72 1.80 0.00	41.13 1.70 0.00	40.18 1.58 0.00	39.28 1.55 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.38 1.99 0.00	45.97 2.02 0.00	44.39 2.15 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.56 2.29 0.00	45.08 2.23 0.00	45.87 2.23 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.61 3.25 -1.42	85.34 3.81 -3.69	87.53 3.67 -9.02	80.58 3.51 -6.88	72.63 2.80 -4.63	64.92 2.37 -1.67	59.47 2.07 0.00
MUNSVILLE_WIND_PWR 323609	43.42 2.50 0.00	41.76 2.33 0.00	41.00 2.39 0.00	40.11 2.38 0.00	40.92 2.46 0.00	41.32 2.67 0.00	45.27 2.88 0.00	47.11 3.17 0.00	45.19 2.96 0.00	42.35 2.62 0.00	46.29 2.58 0.00	47.08 2.54 0.00	45.56 2.29 0.00	44.95 2.10 0.00	45.91 2.27 0.00	49.72 2.90 0.00	57.68 3.67 0.00	70.67 4.81 -0.92	85.72 7.08 -0.80	82.40 6.14 -1.41	76.66 5.82 -0.65	71.55 5.54 -0.81	65.69 4.81 0.00	62.05 4.65 0.00
N SALMON___HYD 24042	41.74 0.82 0.00	40.11 0.67 0.00	39.10 0.50 0.00	38.11 0.38 0.00	38.81 0.35 0.00	39.08 0.43 0.00	43.03 0.64 0.00	44.78 0.83 0.00	43.00 0.76 0.00	40.33 0.60 0.00	44.37 0.66 0.00	45.08 0.54 0.00	43.92 0.65 0.00	43.49 0.64 0.00	44.21 0.57 0.00	47.38 0.56 0.00	54.49 0.48 0.00	65.08 0.13 0.00	77.84 0.00 0.00	74.92 0.07 0.00	70.40 0.21 0.00	65.99 0.79 0.00	61.98 1.10 0.00	58.32 0.92 0.00
N.AKRON__115KV_KNAPP 355671	39.12 -1.80 0.00	37.70 -1.74 0.00	36.86 -1.74 0.00	36.03 -1.70 0.00	36.88 -1.58 0.00	37.27 -1.39 0.00	39.93 -2.46 0.00	41.57 -2.37 0.00	39.53 -2.70 0.00	37.11 -2.62 0.00	40.48 -3.23 0.00	41.29 -3.25 0.00	39.98 -3.29 0.00	39.72 -3.13 0.00	40.37 -3.27 0.00	43.40 -3.42 0.00	49.63 -4.37 0.00	59.04 -5.91 0.00	71.30 -6.54 0.00	68.11 -6.74 0.00	63.80 -6.39 0.00	59.92 -5.28 0.00	56.56 -4.32 0.00	54.53 -2.87 0.00
N.BELMOR_69_KV_BK1 55787	45.76 2.54 -2.30	43.99 2.45 -2.11	40.73 2.12 0.00	39.88 2.15 0.00	40.77 2.31 0.00	43.71 2.36 -2.69	45.30 2.76 -0.16	46.67 2.72 0.00	46.96 2.83 -1.89	42.31 2.58 0.00	46.56 2.84 0.00	47.35 2.81 0.00	46.04 2.77 0.00	45.63 2.79 0.00	46.53 2.88 0.00	53.47 3.00 -3.66	65.04 3.40 -7.64	91.26 4.29 -22.03	99.34 5.14 -16.36	94.67 4.94 -14.88	81.63 4.49 -6.95	78.57 3.91 -9.45	71.58 3.41 -7.29	66.74 3.04 -6.30
N.E_GEN_SANDY PD 24062	44.30 1.59 -1.78	42.80 1.58 -1.78	40.50 1.50 -0.39	39.60 1.51 -0.36	40.00 1.54 0.00	42.66 1.51 -2.50	62.00 1.78 -17.83	60.30 1.80 -14.55	52.05 1.81 -8.00	42.06 1.79 -0.54	51.88 2.10 -6.07	50.00 2.14 -3.32	48.78 2.03 -3.48	48.60 2.06 -3.70	49.77 2.09 -4.03	51.70 2.20 -2.68	66.29 2.59 -9.70	89.70 3.12 -21.64	97.00 3.66 -15.50	86.37 3.52 -8.01	77.95 3.23 -4.53	72.50 2.87 -4.43	63.95 2.56 -0.51	59.64 2.24 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	42.32 1.39 0.00	40.82 1.38 0.00	39.88 1.27 0.00	39.02 1.28 0.00	39.81 1.35 0.00	40.01 1.35 0.00	43.96 1.57 0.00	45.44 1.49 0.00	43.84 1.60 0.00	41.36 1.63 0.00	45.38 1.66 0.00	46.24 1.69 0.00	44.95 1.69 0.00	44.52 1.67 0.00	45.30 1.66 0.00	48.45 1.64 0.00	55.78 1.78 0.00	68.63 2.34 -1.35	77.75 2.72 2.81	68.47 2.62 9.00	64.09 2.46 8.55	62.82 1.89 4.27	59.71 1.52 2.70	58.61 1.21 0.00
N.QUEENS_27_KV_LOAD 356247	42.86 1.92 -0.01	41.17 1.74 0.00	40.18 1.58 0.00	39.20 1.47 0.00	39.96 1.50 0.00	40.09 1.43 0.00	44.34 1.95 0.00	45.92 1.98 0.00	44.43 2.20 0.00	41.92 2.19 0.00	46.03 2.32 0.00	46.95 2.41 0.00	45.64 2.38 0.01	45.15 2.31 0.01	45.96 2.31 0.00	49.11 2.29 0.00	56.54 2.54 0.00	69.54 3.18 -1.42	85.27 3.74 -3.69	87.62 3.74 -9.03	80.59 3.51 -6.89	72.51 2.67 -4.63	64.80 2.25 -1.67	59.71 2.30 -0.01
N.TROY___115KV_TB1 355778	42.68 1.76 0.00	41.21 1.77 0.00	40.34 1.74 0.00	39.43 1.70 0.00	40.15 1.69 0.00	40.36 1.70 0.00	44.34 1.95 0.00	45.92 1.98 0.00	44.14 1.90 0.00	41.56 1.83 0.00	45.81 2.10 0.00	46.77 2.23 0.00	45.34 2.08 0.00	44.95 2.10 0.00	45.78 2.14 0.00	49.16 2.34 0.00	56.86 2.86 0.00	80.66 3.57 -12.14	92.60 4.20 -10.55	97.58 4.04 -18.69	82.55 3.72 -8.64	79.33 3.39 -10.74	63.93 3.04 0.00	60.21 2.81 0.00
NARROWS_GT1_1 24228	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
NARROWS_GT1_2 24229	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
NARROWS_GT1_3 24230	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
NARROWS_GT1_4 24231	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25



NARROWS_GT1_5 24232	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
NARROWS_GT1_6 24233	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
NARROWS_GT1_7 24234	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
NARROWS_GT1_8 24235	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
NARROWS_GT2_1 24236	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
NARROWS_GT2_2 24237	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
NARROWS_GT2_3 24238	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
NARROWS_GT2_4 24239	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
NARROWS_GT2_5 24240	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
NARROWS_GT2_6 24241	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
NARROWS_GT2_7 24242	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
NARROWS_GT2_8 24243	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	42.72 1.80 0.00	41.17 1.74 0.00	40.30 1.70 0.00	39.39 1.66 0.00	40.15 1.69 0.00	40.32 1.66 0.00	44.34 1.95 0.00	45.75 1.80 0.00	43.80 1.56 0.00	41.00 1.27 0.00	45.33 1.62 0.00	46.28 1.74 0.00	44.78 1.51 0.00	44.48 1.63 0.00	45.35 1.70 0.00	48.74 1.92 0.00	56.76 2.75 0.00	72.77 2.99 -4.84	85.70 3.66 -4.21	85.96 3.67 -7.45	77.14 3.51 -3.44	72.55 3.06 -4.28	64.47 3.59 0.00	60.67 3.27 0.00
NCHELSEA_115KV_TR2 355582	42.77 1.84 0.00	41.21 1.77 0.00	40.26 1.66 0.00	39.36 1.62 0.00	40.15 1.69 0.00	40.36 1.70 0.00	44.43 2.03 0.00	45.92 1.98 0.00	44.26 2.03 0.00	41.64 1.91 0.00	45.81 2.10 0.00	46.68 2.14 0.00	45.30 2.03 0.00	44.90 2.06 0.00	45.74 2.09 0.00	48.97 2.15 0.00	56.59 2.59 0.00	69.82 3.44 -1.43	83.21 4.13 -1.24	81.09 4.04 -2.20	74.92 3.72 -1.02	69.60 3.13 -1.27	63.50 2.62 0.00	59.64 2.24 0.00
NEG CAPITAL___MECHNVIL 23645	43.50 2.58 0.00	41.92 2.49 0.00	41.04 2.43 0.00	40.07 2.34 0.00	40.85 2.39 0.00	41.10 2.44 0.00	45.14 2.75 0.00	46.76 2.82 0.00	44.90 2.66 0.00	42.16 2.42 0.00	46.47 2.76 0.00	47.58 3.03 0.00	46.04 2.77 0.00	45.67 2.83 0.00	46.57 2.92 0.00	50.04 3.23 0.00	58.05 4.05 0.00	83.64 5.13 -13.56	95.62 5.99 -11.79	101.49 5.76 -20.87	85.17 5.33 -9.65	82.15 4.95 -12.00	65.39 4.51 0.00	61.59 4.19 0.00



NEG CENTRAL_HIGH_ACRES 23767	38.92 -2.00 0.00	37.51 -1.93 0.00	36.71 -1.89 0.00	35.88 -1.85 0.00	36.65 -1.81 0.00	36.92 -1.74 0.00	40.10 -2.29 0.00	41.57 -2.37 0.00	39.87 -2.36 0.00	37.51 -2.22 0.00	41.14 -2.58 0.00	42.01 -2.54 0.00	40.71 -2.55 0.00	40.36 -2.49 0.00	41.07 -2.58 0.00	44.10 -2.72 0.00	50.60 -3.40 0.00	60.86 -4.09 0.00	73.32 -4.52 0.00	70.06 -4.79 0.00	65.62 -4.56 0.00	61.16 -4.04 0.00	57.35 -3.53 0.00	54.65 -2.75 0.00
NEG CENTRAL___DRP 24199	40.43 -0.49 0.00	38.96 -0.47 0.00	38.14 -0.46 0.00	37.28 -0.45 0.00	38.08 -0.38 0.00	38.31 -0.35 0.00	41.84 -0.55 0.00	43.42 -0.53 0.00	41.56 -0.68 0.00	39.06 -0.68 0.00	42.88 -0.83 0.00	43.65 -0.89 0.00	42.36 -0.91 0.00	41.90 -0.94 0.00	42.73 -0.92 0.00	45.97 -0.84 0.00	52.98 -1.03 0.00	63.71 -1.23 0.00	76.67 -1.17 0.00	73.58 -1.27 0.00	68.92 -1.26 0.00	64.03 -1.17 0.00	60.03 -0.85 0.00	56.89 -0.52 0.00
NEG CENTRAL___INDECK 23768	40.47 -0.45 0.00	39.04 -0.39 0.00	38.22 -0.39 0.00	37.36 -0.38 0.00	38.19 -0.27 0.00	38.54 -0.12 0.00	41.67 -0.72 0.00	43.07 -0.88 0.00	40.97 -1.27 0.00	38.38 -1.35 0.00	41.84 -1.88 0.00	42.59 -1.96 0.00	41.15 -2.12 0.00	40.66 -2.18 0.00	41.42 -2.22 0.00	44.52 -2.29 0.00	51.25 -2.75 0.00	62.09 -2.86 0.00	75.66 -2.18 0.00	72.75 -2.10 0.00	68.29 -1.89 0.00	63.77 -1.43 0.00	59.79 -1.09 0.00	57.17 -0.23 0.00
NEG CENTRAL___SENECA 23627	40.56 -0.37 0.00	39.08 -0.35 0.00	38.25 -0.35 0.00	37.39 -0.34 0.00	38.19 -0.27 0.00	38.47 -0.19 0.00	41.92 -0.47 0.00	43.51 -0.44 0.00	41.60 -0.63 0.00	39.06 -0.68 0.00	42.80 -0.92 0.00	43.61 -0.94 0.00	42.27 -1.00 0.00	41.82 -1.03 0.00	42.60 -1.05 0.00	45.88 -0.94 0.00	52.87 -1.13 0.00	63.45 -1.49 0.00	76.59 -1.25 0.00	73.35 -1.50 0.00	68.71 -1.47 0.00	63.90 -1.30 0.00	60.03 -0.85 0.00	57.06 -0.34 0.00
NEG CENTRAL___STATE_STREET 24147	40.51 -0.41 0.00	39.00 -0.43 0.00	38.18 -0.42 0.00	37.36 -0.38 0.00	38.11 -0.35 0.00	38.35 -0.31 0.00	41.97 -0.42 0.00	43.60 -0.35 0.00	41.85 -0.38 0.00	39.37 -0.36 0.00	43.23 -0.48 0.00	44.06 -0.49 0.00	42.75 -0.52 0.00	42.33 -0.51 0.00	43.16 -0.48 0.00	46.44 -0.37 0.00	53.52 -0.49 0.00	64.49 -0.45 0.00	77.53 -0.31 0.00	74.25 -0.60 0.00	69.62 -0.56 0.00	64.61 -0.59 0.00	60.33 -0.55 0.00	57.06 -0.34 0.00
NEG MILLWOOD___DRP 24198	42.85 1.92 0.00	41.29 1.85 0.00	40.34 1.74 0.00	39.47 1.74 0.00	40.23 1.77 0.00	40.48 1.82 0.00	44.47 2.08 0.00	45.97 2.02 0.00	44.43 2.20 0.00	41.76 2.03 0.00	46.03 2.32 0.00	46.86 2.32 0.00	45.47 2.21 0.00	44.99 2.14 0.00	45.83 2.18 0.00	49.11 2.29 0.00	56.81 2.81 0.00	70.15 3.77 -1.44	84.44 4.51 -2.08	83.72 4.34 -4.54	77.21 4.00 -3.02	71.07 3.46 -2.42	64.37 2.92 -0.57	59.81 2.41 0.00
NEG NORTH_FLCN_SEA 23793	41.29 0.37 0.00	39.71 0.28 0.00	38.64 0.04 0.00	37.51 -0.23 0.00	38.19 -0.27 0.00	38.54 -0.12 0.00	42.60 0.21 0.00	44.39 0.44 0.00	42.66 0.42 0.00	39.93 0.20 0.00	43.76 0.04 0.00	44.32 -0.22 0.00	43.01 -0.26 0.00	42.59 -0.26 0.00	43.30 -0.35 0.00	46.30 -0.51 0.00	53.14 -0.86 0.00	63.39 -1.56 0.00	75.97 -1.87 0.00	73.13 -1.72 0.00	68.64 -1.54 0.00	64.29 -0.91 0.00	60.33 -0.55 0.00	56.89 -0.52 0.00
NEG NORTH_KES_CHATEGAY 23792	41.13 0.20 0.00	39.56 0.12 0.00	38.60 0.00 0.00	37.58 -0.15 0.00	38.23 -0.23 0.00	38.50 -0.15 0.00	42.48 0.08 0.00	44.17 0.22 0.00	42.45 0.21 0.00	39.81 0.08 0.00	43.72 0.00 0.00	44.41 -0.13 0.00	43.18 -0.09 0.00	42.76 -0.09 0.00	43.47 -0.17 0.00	46.54 -0.28 0.00	53.52 -0.49 0.00	64.10 -0.84 0.00	76.75 -1.09 0.00	73.95 -0.90 0.00	69.34 -0.84 0.00	64.88 -0.33 0.00	60.82 -0.06 0.00	57.29 -0.11 0.00
NEG NORTH___ALICE_FALLS 23915	41.50 0.57 0.00	39.91 0.47 0.00	38.83 0.23 0.00	37.73 0.00 0.00	38.38 -0.08 0.00	38.77 0.12 0.00	42.81 0.42 0.00	44.65 0.70 0.00	42.91 0.68 0.00	40.17 0.44 0.00	44.02 0.31 0.00	44.59 0.04 0.00	43.31 0.04 0.00	42.89 0.04 0.00	43.60 -0.04 0.00	46.63 -0.19 0.00	53.52 -0.49 0.00	63.97 -0.97 0.00	76.59 -1.25 0.00	73.73 -1.12 0.00	69.20 -0.98 0.00	64.88 -0.33 0.00	60.88 0.00 0.00	57.29 -0.11 0.00
NEG NORTH___LWR_SARANAC 23913	41.50 0.57 0.00	39.91 0.47 0.00	38.83 0.23 0.00	37.73 0.00 0.00	38.38 -0.08 0.00	38.77 0.12 0.00	42.81 0.42 0.00	44.65 0.70 0.00	42.91 0.68 0.00	40.17 0.44 0.00	44.02 0.31 0.00	44.59 0.04 0.00	43.31 0.04 0.00	42.89 0.04 0.00	43.60 -0.04 0.00	46.63 -0.19 0.00	53.52 -0.49 0.00	63.97 -0.97 0.00	76.59 -1.25 0.00	73.73 -1.12 0.00	69.20 -0.98 0.00	64.88 -0.33 0.00	60.88 0.00 0.00	57.29 -0.11 0.00
NEG NORTH___PLATTSBURG 23628	41.50 0.57 0.00	39.91 0.47 0.00	38.84 0.23 0.00	37.73 0.00 0.00	38.38 -0.08 0.00	38.77 0.12 0.00	42.81 0.42 0.00	44.65 0.70 0.00	42.91 0.67 0.00	40.17 0.44 0.00	44.02 0.31 0.00	44.59 0.04 0.00	43.31 0.04 0.00	42.89 0.04 0.00	43.60 -0.04 0.00	46.63 -0.19 0.00	53.52 -0.49 0.00	63.97 -0.97 0.00	76.59 -1.25 0.00	73.73 -1.12 0.00	69.20 -0.98 0.00	64.88 -0.32 0.00	60.88 0.00 0.00	57.29 -0.11 0.00
NEG WEST_LEA_LOCKPORT 23791	38.47 -2.46 0.00	37.07 -2.37 0.00	36.25 -2.35 0.00	35.43 -2.30 0.00	36.31 -2.15 0.00	36.61 -2.05 0.00	39.13 -3.26 0.00	40.70 -3.25 0.00	38.69 -3.55 0.00	36.32 -3.42 0.00	39.61 -4.11 0.00	40.40 -4.14 0.00	39.16 -4.11 0.00	38.95 -3.90 0.00	39.54 -4.10 0.00	42.46 -4.35 0.00	48.44 -5.56 0.00	57.48 -7.47 0.00	69.28 -8.56 0.00	66.09 -8.76 0.00	62.04 -8.14 0.00	58.36 -6.85 0.00	55.22 -5.66 0.00	53.33 -4.08 0.00
NEG WEST___LANCASTER 23811	40.31 -0.61 0.00	38.92 -0.51 0.00	38.06 -0.54 0.00	37.20 -0.53 0.00	38.11 -0.35 0.00	38.47 -0.19 0.00	41.29 -1.10 0.00	42.76 -1.19 0.00	40.67 -1.56 0.00	38.26 -1.47 0.00	41.66 -2.05 0.00	42.45 -2.09 0.00	41.15 -2.12 0.00	40.88 -1.97 0.00	41.55 -2.09 0.00	44.62 -2.20 0.00	51.09 -2.92 0.00	60.92 -4.03 0.00	73.48 -4.36 0.00	70.21 -4.64 0.00	65.90 -4.28 0.00	61.81 -3.39 0.00	58.14 -2.74 0.00	56.08 -1.32 0.00
NEG_PENN_ALLEGHNY 23528	40.88 -0.04 0.00	39.44 0.00 0.00	38.64 0.04 0.00	37.77 0.04 0.00	38.54 0.08 0.00	38.77 0.12 0.00	42.31 -0.08 0.00	43.82 -0.13 0.00	42.02 -0.21 0.00	39.53 -0.20 0.00	43.41 -0.30 0.00	44.19 -0.36 0.00	42.92 -0.35 0.00	42.46 -0.39 0.00	43.25 -0.39 0.00	46.44 -0.38 0.00	53.52 -0.49 0.00	65.11 -0.45 -0.61	77.98 -0.39 -0.53	75.19 -0.60 -0.94	70.06 -0.56 -0.44	65.22 -0.52 -0.54	60.39 -0.49 0.00	57.29 -0.11 0.00
NEG___GEN_MONROE 24207	39.16 -1.76 0.00	37.70 -1.74 0.00	36.98 -1.62 0.00	36.19 -1.55 0.00	37.00 -1.46 0.00	37.34 -1.31 0.00	40.27 -2.12 0.00	41.84 -2.11 0.00	39.87 -2.37 0.00	37.39 -2.34 0.00	40.92 -2.80 0.00	41.74 -2.81 0.00	40.46 -2.81 0.00	40.19 -2.66 0.00	40.85 -2.79 0.00	43.91 -2.90 0.00	50.28 -3.73 0.00	60.01 -4.94 0.00	72.39 -5.45 0.00	69.46 -5.39 0.00	65.06 -5.12 0.00	60.83 -4.37 0.00	57.29 -3.59 0.00	54.93 -2.47 0.00



NEPA__ENERGY 23901	39.49 -1.43 0.00	38.14 -1.30 0.00	37.33 -1.27 0.00	36.49 -1.25 0.00	37.34 -1.12 0.00	37.69 -0.97 0.00	40.48 -1.91 0.00	41.93 -2.02 0.00	39.87 -2.37 0.00	37.47 -2.26 0.00	40.79 -2.93 0.00	41.56 -2.98 0.00	40.33 -2.94 0.00	40.02 -2.83 0.00	40.68 -2.97 0.00	43.63 -3.18 0.00	49.95 -4.05 0.00	59.68 -5.26 0.00	72.00 -5.84 0.00	68.79 -6.06 0.00	64.64 -5.54 0.00	60.57 -4.63 0.00	56.99 -3.90 0.00	54.99 -2.41 0.00
NEVERSink__HYD 23608	42.36 1.43 0.00	40.78 1.34 0.00	39.87 1.27 0.00	39.02 1.28 0.00	39.77 1.31 0.00	39.97 1.32 0.00	43.96 1.57 0.00	45.53 1.58 0.00	43.80 1.56 0.00	41.20 1.47 0.00	45.16 1.44 0.00	46.06 1.52 0.00	44.69 1.43 0.00	44.30 1.46 0.00	45.13 1.48 0.00	48.36 1.54 0.00	56.00 2.00 0.00	69.12 2.73 -1.45	81.69 3.42 -0.43	78.13 3.37 0.09	72.31 3.08 0.96	67.88 2.54 -0.14	62.39 2.07 0.56	59.12 1.72 0.00
NEWKRMKL_115KV_TB1 55635	41.70 0.78 0.00	40.23 0.79 0.00	39.41 0.81 0.00	38.53 0.79 0.00	39.27 0.81 0.00	39.43 0.77 0.00	43.32 0.93 0.00	44.87 0.92 0.00	43.12 0.89 0.00	40.61 0.87 0.00	45.03 1.31 0.00	45.97 1.43 0.00	44.57 1.30 0.00	44.18 1.33 0.00	45.04 1.40 0.00	48.31 1.50 0.00	55.84 1.84 0.00	75.76 2.21 -8.60	87.81 2.49 -7.48	90.49 2.40 -13.24	78.70 2.39 -6.12	74.90 2.09 -7.61	62.83 1.95 0.00	59.12 1.72 0.00
NEWTON__FALLS_HYD 23847	41.62 0.70 0.00	39.99 0.55 0.00	39.03 0.42 0.00	38.11 0.38 0.00	38.81 0.35 0.00	38.97 0.31 0.00	42.60 0.21 0.00	44.30 0.35 0.00	42.49 0.25 0.00	39.85 0.12 0.00	43.93 0.22 0.00	44.77 0.22 0.00	43.57 0.30 0.00	43.15 0.30 0.00	43.95 0.31 0.00	47.24 0.42 0.00	54.49 0.49 0.00	65.33 0.39 0.00	78.46 0.62 0.00	75.67 0.82 0.00	71.10 0.91 0.00	66.51 1.30 0.00	62.28 1.40 0.00	58.72 1.32 0.00
NGRID_A1_DSASP 323792	38.02 -2.90 0.00	36.68 -2.76 0.00	35.90 -2.70 0.00	35.09 -2.64 0.00	35.96 -2.50 0.00	36.26 -2.40 0.00	38.53 -3.86 0.00	39.81 -4.13 0.00	37.97 -4.26 0.00	35.72 -4.01 0.00	38.95 -4.76 0.00	39.73 -4.81 0.00	38.59 -4.67 0.00	38.35 -4.50 0.00	38.84 -4.80 0.00	41.62 -5.20 0.00	47.30 -6.70 0.00	56.37 -8.57 0.00	67.88 -9.96 0.00	64.67 -10.18 0.00	60.71 -9.48 0.00	57.11 -8.09 0.00	54.00 -6.88 0.00	52.35 -5.05 0.00
NGRID_A2_DSASP 323793	38.02 -2.90 0.00	36.68 -2.76 0.00	35.90 -2.70 0.00	35.09 -2.64 0.00	35.96 -2.50 0.00	36.26 -2.40 0.00	38.53 -3.86 0.00	39.81 -4.13 0.00	37.97 -4.26 0.00	35.72 -4.01 0.00	38.95 -4.76 0.00	39.73 -4.81 0.00	38.59 -4.67 0.00	38.35 -4.50 0.00	38.84 -4.80 0.00	41.62 -5.20 0.00	47.30 -6.70 0.00	56.37 -8.57 0.00	67.88 -9.96 0.00	64.67 -10.18 0.00	60.71 -9.48 0.00	57.11 -8.09 0.00	54.00 -6.88 0.00	52.35 -5.05 0.00
NGRID_A4_DSASP 323807	38.02 -2.90 0.00	36.68 -2.76 0.00	35.90 -2.70 0.00	35.09 -2.64 0.00	35.96 -2.50 0.00	36.26 -2.40 0.00	38.53 -3.86 0.00	39.81 -4.13 0.00	37.97 -4.26 0.00	35.72 -4.01 0.00	38.95 -4.76 0.00	39.73 -4.81 0.00	38.59 -4.67 0.00	38.35 -4.50 0.00	38.84 -4.80 0.00	41.62 -5.20 0.00	47.30 -6.70 0.00	56.37 -8.57 0.00	67.88 -9.96 0.00	64.67 -10.18 0.00	60.71 -9.48 0.00	57.11 -8.09 0.00	54.00 -6.88 0.00	52.35 -5.05 0.00
NIAGARA_115E_LBMP 323715	37.77 -3.15 0.00	36.44 -3.00 0.00	35.67 -2.94 0.00	34.86 -2.87 0.00	35.69 -2.77 0.00	36.03 -2.63 0.00	38.49 -3.90 0.00	39.77 -4.18 0.00	37.93 -4.31 0.00	35.68 -4.05 0.00	38.91 -4.81 0.00	39.69 -4.85 0.00	38.51 -4.76 0.00	38.26 -4.58 0.00	38.76 -4.89 0.00	41.53 -5.29 0.00	47.25 -6.75 0.00	56.37 -8.57 0.00	67.88 -9.96 0.00	64.74 -10.11 0.00	60.71 -9.48 0.00	57.18 -8.02 0.00	54.00 -6.88 0.00	52.35 -5.05 0.00
NIAGARA_115W_LBMP 323714	37.94 -2.99 0.00	36.64 -2.80 0.00	35.86 -2.74 0.00	35.05 -2.68 0.00	35.88 -2.58 0.00	36.18 -2.47 0.00	38.49 -3.90 0.00	39.73 -4.22 0.00	37.89 -4.35 0.00	35.68 -4.05 0.00	38.86 -4.85 0.00	39.64 -4.90 0.00	38.51 -4.76 0.00	38.26 -4.58 0.00	38.76 -4.89 0.00	41.53 -5.29 0.00	47.20 -6.81 0.00	56.31 -8.64 0.00	67.72 -10.12 0.00	64.60 -10.25 0.00	60.57 -9.61 0.00	56.98 -8.22 0.00	53.88 -7.00 0.00	52.24 -5.17 0.00
NIAGARA_230_LBMP 323716	38.18 -2.74 0.00	36.83 -2.60 0.00	36.05 -2.55 0.00	35.24 -2.49 0.00	36.08 -2.38 0.00	36.38 -2.28 0.00	38.92 -3.48 0.00	40.21 -3.74 0.00	38.35 -3.88 0.00	36.08 -3.65 0.00	39.30 -4.41 0.00	40.09 -4.45 0.00	38.94 -4.33 0.00	38.65 -4.20 0.00	39.19 -4.45 0.00	41.99 -4.82 0.00	47.79 -6.21 0.00	57.02 -7.93 0.00	68.58 -9.26 0.00	65.42 -9.43 0.00	61.34 -8.85 0.00	57.71 -7.50 0.00	54.49 -6.39 0.00	52.81 -4.59 0.00
NIAGARA__115KV_198_GIBSON 55903	38.02 -2.91 0.00	36.64 -2.80 0.00	35.86 -2.74 0.00	35.05 -2.68 0.00	35.88 -2.58 0.00	36.18 -2.47 0.00	38.49 -3.90 0.00	40.04 -3.91 0.00	38.01 -4.22 0.00	35.68 -4.05 0.00	38.86 -4.85 0.00	39.65 -4.90 0.00	38.51 -4.76 0.00	38.31 -4.54 0.00	38.89 -4.76 0.00	41.71 -5.10 0.00	47.58 -6.43 0.00	56.31 -8.64 0.00	67.72 -10.12 0.00	64.59 -10.25 0.00	60.57 -9.62 0.00	56.99 -8.22 0.00	54.00 -6.88 0.00	52.24 -5.17 0.00
NIAGARA____ 23760	38.18 -2.74 0.00	36.83 -2.60 0.00	36.05 -2.55 0.00	35.24 -2.49 0.00	36.08 -2.38 0.00	36.38 -2.28 0.00	38.92 -3.48 0.00	40.21 -3.74 0.00	38.35 -3.88 0.00	36.08 -3.65 0.00	39.30 -4.41 0.00	40.09 -4.45 0.00	38.94 -4.33 0.00	38.65 -4.20 0.00	39.19 -4.45 0.00	41.99 -4.82 0.00	47.79 -6.21 0.00	57.02 -7.93 0.00	68.58 -9.26 0.00	65.42 -9.43 0.00	61.34 -8.85 0.00	57.71 -7.50 0.00	54.49 -6.39 0.00	52.81 -4.59 0.00
NINE_MILE_1 23575	39.37 -1.56 0.00	37.94 -1.50 0.00	37.14 -1.47 0.00	36.30 -1.43 0.00	37.04 -1.42 0.00	37.23 -1.43 0.00	40.74 -1.65 0.00	42.23 -1.71 0.00	40.54 -1.69 0.00	38.14 -1.59 0.00	41.97 -1.75 0.00	42.76 -1.78 0.00	41.54 -1.73 0.00	41.13 -1.72 0.00	41.90 -1.75 0.00	44.94 -1.87 0.00	51.84 -2.16 0.00	62.35 -2.60 0.00	74.80 -3.04 0.00	71.78 -3.07 0.00	67.30 -2.88 0.00	62.53 -2.68 0.00	58.45 -2.44 0.00	55.22 -2.18 0.00
NINE_MILE_2 23744	39.37 -1.56 0.00	37.94 -1.50 0.00	37.14 -1.47 0.00	36.30 -1.43 0.00	37.04 -1.42 0.00	37.23 -1.43 0.00	40.74 -1.65 0.00	42.23 -1.71 0.00	40.54 -1.69 0.00	38.14 -1.59 0.00	41.97 -1.75 0.00	42.76 -1.78 0.00	41.54 -1.73 0.00	41.13 -1.72 0.00	41.90 -1.75 0.00	44.94 -1.87 0.00	51.84 -2.16 0.00	62.35 -2.60 0.00	74.80 -3.04 0.00	71.78 -3.07 0.00	67.30 -2.88 0.00	62.53 -2.68 0.00	58.45 -2.44 0.00	55.22 -2.18 0.00
NM_CAPITAL__DRP 24208	41.82 0.90 0.00	40.38 0.95 0.00	39.57 0.97 0.00	38.68 0.94 0.00	39.42 0.96 0.00	39.59 0.93 0.00	43.49 1.10 0.00	45.00 1.05 0.00	43.29 1.06 0.00	40.77 1.03 0.00	45.16 1.44 0.00	46.10 1.56 0.00	44.70 1.43 0.00	44.30 1.46 0.00	45.13 1.48 0.00	48.41 1.59 0.00	56.00 2.00 0.00	76.09 2.40 -8.75	88.16 2.72 -7.60	90.93 2.62 -13.46	78.94 2.53 -6.22	75.16 2.22 -7.74	62.95 2.07 0.00	59.24 1.84 0.00



NM_CENTRAL___DRP 24181	40.19 -0.74 0.00	38.73 -0.71 0.00	37.91 -0.69 0.00	37.05 -0.68 0.00	37.81 -0.65 0.00	38.00 -0.66 0.00	41.59 -0.81 0.00	43.16 -0.79 0.00	41.43 -0.80 0.00	38.98 -0.75 0.00	42.88 -0.83 0.00	43.70 -0.85 0.00	42.45 -0.82 0.00	41.99 -0.86 0.00	42.82 -0.83 0.00	45.97 -0.84 0.00	53.03 -0.97 0.00	63.71 -1.23 0.00	76.52 -1.32 0.00	73.43 -1.42 0.00	68.78 -1.40 0.00	63.90 -1.30 0.00	59.66 -1.22 0.00	56.37 -1.03 0.00
NM_FRONTIER___DRP 24179	38.02 -2.91 0.00	36.64 -2.80 0.00	35.86 -2.74 0.00	35.05 -2.68 0.00	35.88 -2.58 0.00	36.18 -2.47 0.00	38.49 -3.90 0.00	40.04 -3.91 0.00	38.01 -4.22 0.00	35.68 -4.05 0.00	38.86 -4.85 0.00	39.65 -4.90 0.00	38.51 -4.76 0.00	38.31 -4.54 0.00	38.89 -4.76 0.00	41.71 -5.10 0.00	47.58 -6.43 0.00	56.31 -8.64 0.00	67.72 -10.12 0.00	64.59 -10.25 0.00	60.57 -9.62 0.00	56.99 -8.22 0.00	54.00 -6.88 0.00	52.24 -5.17 0.00
NM_ST_REGIS___HYD 24053	41.74 0.82 0.00	40.15 0.71 0.00	39.14 0.54 0.00	38.19 0.45 0.00	38.92 0.46 0.00	39.08 0.43 0.00	42.77 0.38 0.00	44.43 0.48 0.00	42.66 0.42 0.00	40.01 0.28 0.00	44.20 0.48 0.00	45.08 0.53 0.00	43.87 0.61 0.00	43.45 0.60 0.00	44.21 0.57 0.00	47.47 0.66 0.00	54.54 0.54 0.00	65.01 0.06 0.00	77.53 -0.31 0.00	74.85 0.00 0.00	70.33 0.14 0.00	65.98 0.78 0.00	62.10 1.22 0.00	58.55 1.15 0.00
NORTHPORT___1 23551	45.68 2.46 -2.30	43.91 2.37 -2.11	40.53 1.93 0.00	39.69 1.96 0.00	40.61 2.15 0.00	43.63 2.28 -2.69	45.30 2.75 -0.16	46.80 2.85 0.00	47.00 2.87 -1.89	42.24 2.50 0.00	46.52 2.80 0.00	47.26 2.72 0.00	45.95 2.68 0.00	45.59 2.74 0.00	46.52 2.88 0.00	53.52 3.04 -3.66	65.26 3.62 -7.64	91.26 4.29 -22.03	98.87 4.67 -16.36	94.37 4.64 -14.88	81.56 4.42 -6.95	78.50 3.85 -9.45	71.64 3.47 -7.29	66.86 3.16 -6.30
NORTHPORT___2 23552	45.68 2.46 -2.30	43.91 2.37 -2.11	40.53 1.93 0.00	39.69 1.96 0.00	40.61 2.15 0.00	43.63 2.28 -2.69	45.30 2.75 -0.16	46.80 2.85 0.00	47.00 2.87 -1.89	42.24 2.50 0.00	46.52 2.80 0.00	47.26 2.72 0.00	45.95 2.68 0.00	45.59 2.74 0.00	46.52 2.88 0.00	53.52 3.04 -3.66	65.26 3.62 -7.64	91.26 4.29 -22.03	98.87 4.67 -16.36	94.37 4.64 -14.88	81.56 4.42 -6.95	78.50 3.85 -9.45	71.64 3.47 -7.29	66.86 3.16 -6.30
NORTHPORT___3 23553	45.97 2.74 -2.30	44.19 2.64 -2.11	40.92 2.32 0.00	40.07 2.34 0.00	40.92 2.46 0.00	43.90 2.55 -2.69	45.56 3.01 -0.16	47.02 3.08 0.00	47.25 3.13 -1.89	42.55 2.82 0.00	46.82 3.10 0.00	47.62 3.07 0.00	46.30 3.03 0.00	45.89 3.04 0.00	46.83 3.18 0.00	53.80 3.32 -3.66	65.53 3.89 -7.64	91.78 4.81 -22.03	99.88 5.68 -16.36	95.19 5.46 -14.88	82.20 5.06 -6.95	79.09 4.44 -9.45	72.07 3.90 -7.29	67.20 3.50 -6.30
NORTHPORT___4 23650	45.97 2.74 -2.30	44.19 2.64 -2.11	40.92 2.32 0.00	40.07 2.34 0.00	40.92 2.46 0.00	43.90 2.55 -2.69	45.56 3.01 -0.16	47.02 3.08 0.00	47.25 3.13 -1.89	42.55 2.82 0.00	46.82 3.10 0.00	47.62 3.07 0.00	46.30 3.03 0.00	45.89 3.04 0.00	46.83 3.18 0.00	53.80 3.32 -3.66	65.53 3.89 -7.64	91.78 4.81 -22.03	99.88 5.68 -16.36	95.19 5.46 -14.88	82.20 5.06 -6.95	79.09 4.44 -9.45	72.07 3.90 -7.29	67.20 3.50 -6.30
NORTHPORT___IC 23718	45.64 2.41 -2.30	43.87 2.33 -2.11	40.53 1.93 0.00	39.70 1.96 0.00	40.65 2.19 0.00	43.63 2.28 -2.69	45.34 2.80 -0.16	46.72 2.77 0.00	46.96 2.83 -1.89	42.24 2.50 0.00	46.51 2.80 0.00	47.26 2.72 0.00	45.95 2.68 0.00	45.55 2.70 0.00	46.48 2.84 0.00	53.47 3.00 -3.66	65.15 3.51 -7.64	91.26 4.29 -22.03	98.87 4.67 -16.36	94.37 4.64 -14.88	81.56 4.42 -6.95	78.50 3.85 -9.45	71.58 3.41 -7.29	66.86 3.16 -6.30
NORTH___COUNTRY_ESR 323785	41.01 0.08 0.00	39.44 0.00 0.00	38.49 -0.12 0.00	37.47 -0.26 0.00	38.11 -0.35 0.00	38.43 -0.23 0.00	42.35 -0.04 0.00	44.08 0.13 0.00	42.36 0.13 0.00	39.73 0.00 0.00	43.63 -0.09 0.00	44.32 -0.22 0.00	43.10 -0.17 0.00	42.68 -0.17 0.00	43.43 -0.22 0.00	46.49 -0.33 0.00	53.41 -0.59 0.00	63.90 -1.04 0.00	76.52 -1.32 0.00	73.73 -1.12 0.00	69.20 -0.98 0.00	64.68 -0.52 0.00	60.58 -0.30 0.00	57.12 -0.29 0.00
NPX_GEN_1385_PROXY 323591	46.21 2.99 -2.30	44.47 2.92 -2.11	40.53 1.93 0.00	39.69 1.96 0.00	40.96 2.50 0.00	44.21 2.86 -2.69	52.50 3.73 -6.38	55.00 3.87 -7.18	47.80 3.67 -1.89	42.63 2.90 0.00	61.03 3.80 -13.51	60.00 3.74 -11.71	57.10 3.68 -10.16	58.30 3.69 -11.77	62.40 3.88 -14.87	63.40 4.12 -12.46	67.25 4.80 -8.44	91.98 5.00 -22.03	99.50 5.30 -16.36	94.89 5.16 -14.88	81.56 4.42 -6.95	78.70 4.04 -9.45	71.76 3.59 -7.29	67.66 3.96 -6.30
NPX_GEN_CSC 323557	46.13 2.91 -2.30	44.31 2.76 -2.11	41.00 2.39 0.00	40.22 2.49 0.00	41.08 2.62 0.00	44.05 2.71 -2.69	45.68 3.14 -0.16	47.20 3.25 0.00	47.42 3.30 -1.89	42.63 2.90 0.00	46.73 3.01 0.00	47.44 2.89 0.00	46.08 2.81 0.00	45.72 2.87 0.00	46.74 3.10 0.00	53.85 3.37 -3.66	65.74 4.10 -7.64	92.17 5.20 -22.03	100.51 6.30 -16.36	95.79 6.06 -14.88	82.62 5.48 -6.95	79.55 4.89 -9.45	72.61 4.44 -7.29	67.78 4.08 -6.30
NSINS_S___GLNS_FALLS 23858	44.48 3.56 0.00	42.87 3.43 0.00	41.92 3.32 0.00	40.94 3.21 0.00	41.69 3.23 0.00	42.02 3.36 0.00	46.21 3.82 0.00	47.81 3.87 0.00	45.87 3.63 0.00	43.03 3.30 0.00	47.43 3.72 0.00	48.55 4.01 0.00	46.90 3.63 0.00	46.57 3.73 0.00	47.53 3.88 0.00	51.12 4.31 0.00	59.51 5.51 0.00	85.90 7.01 -13.95	98.21 8.25 -12.12	104.25 7.93 -21.46	87.48 7.37 -9.93	84.58 7.04 -12.34	67.28 6.39 0.00	63.31 5.91 0.00
NUCOR_STEEL___DRP 24197	40.64 -0.29 0.00	39.16 -0.28 0.00	38.33 -0.27 0.00	37.51 -0.23 0.00	38.27 -0.19 0.00	38.50 -0.15 0.00	42.09 -0.30 0.00	43.73 -0.22 0.00	41.94 -0.30 0.00	39.45 -0.28 0.00	43.32 -0.39 0.00	44.14 -0.40 0.00	42.88 -0.39 0.00	42.42 -0.43 0.00	43.25 -0.39 0.00	46.54 -0.28 0.00	53.62 -0.38 0.00	64.56 -0.39 0.00	77.61 -0.23 0.00	74.40 -0.45 0.00	69.76 -0.42 0.00	64.81 -0.39 0.00	60.52 -0.37 0.00	57.29 -0.11 0.00
NUMBER_THREE_WT_PWR 323818	41.62 0.70 0.00	39.99 0.55 0.00	39.07 0.46 0.00	38.15 0.42 0.00	38.84 0.38 0.00	39.08 0.43 0.00	42.77 0.38 0.00	44.43 0.48 0.00	42.66 0.42 0.00	40.01 0.28 0.00	43.93 0.22 0.00	44.72 0.18 0.00	43.48 0.22 0.00	43.02 0.17 0.00	43.86 0.22 0.00	47.24 0.42 0.00	54.65 0.65 0.00	65.85 0.91 0.00	79.79 1.95 0.00	76.72 1.87 0.00	72.01 1.82 0.00	67.09 1.89 0.00	62.53 1.64 0.00	58.89 1.49 0.00
NYISO_LBMP_REFERENCE 24008	40.92 0.00 0.00	39.44 0.00 0.00	38.60 0.00 0.00	37.73 0.00 0.00	38.46 0.00 0.00	38.66 0.00 0.00	42.39 0.00 0.00	43.95 0.00 0.00	42.23 0.00 0.00	39.73 0.00 0.00	43.72 0.00 0.00	44.55 0.00 0.00	43.27 0.00 0.00	42.85 0.00 0.00	43.64 0.00 0.00	46.82 0.00 0.00	54.00 0.00 0.00	64.94 0.00 0.00	77.84 0.00 0.00	74.85 0.00 0.00	70.19 0.00 0.00	65.20 0.00 0.00	60.88 0.00 0.00	57.40 0.00 0.00



NYPA_BRENTWD____GT 24164	46.13 2.91 -2.30	44.31 2.76 -2.11	40.96 2.36 0.00	40.15 2.42 0.00	41.04 2.58 0.00	44.05 2.71 -2.69	45.68 3.14 -0.16	47.20 3.25 0.00	47.42 3.30 -1.89	42.63 2.90 0.00	46.86 3.15 0.00	47.62 3.07 0.00	46.30 3.03 0.00	45.89 3.04 0.00	46.87 3.23 0.00	53.94 3.46 -3.66	65.80 4.16 -7.64	92.10 5.13 -22.03	100.20 5.99 -16.36	95.49 5.76 -14.88	82.47 5.33 -6.95	79.41 4.76 -9.45	72.43 4.26 -7.29	67.61 3.91 -6.30
NYPA_GOWANUS____GT5 24156	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
NYPA_GOWANUS____GT6 24157	57.88 2.13 -14.83	57.17 1.89 -15.84	57.15 1.70 -16.85	39.60 1.66 -0.21	40.55 1.88 -0.21	40.68 1.82 -0.21	58.02 2.12 -13.52	57.95 2.28 -11.72	58.75 2.49 -14.02	59.13 2.50 -16.89	57.95 2.58 -11.66	58.77 2.63 -11.60	58.72 2.60 -12.85	58.75 2.57 -13.34	58.72 2.57 -12.50	58.94 2.48 -9.65	59.47 2.81 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.23 2.59 -2.25
NYPA_HARLEM__RVR__GT1 24160	42.78 1.84 -0.01	41.02 1.58 0.00	39.99 1.39 0.00	39.09 1.36 0.00	39.92 1.46 0.00	40.08 1.43 0.01	44.12 1.74 0.01	45.83 1.89 0.01	44.30 2.07 0.01	41.79 2.06 0.01	45.85 2.14 0.01	46.72 2.18 0.01	45.46 2.21 0.01	44.98 2.14 0.01	45.82 2.18 0.01	48.92 2.11 0.01	56.37 2.37 0.01	69.41 3.05 -1.41	85.11 3.58 -3.69	87.46 3.59 -9.02	80.51 3.44 -6.88	72.44 2.61 -4.62	64.80 2.25 -1.67	59.42 2.01 -0.01
NYPA_HARLEM__RVR__GT2 24161	42.78 1.84 -0.01	41.02 1.58 0.00	39.99 1.39 0.00	39.09 1.36 0.00	39.92 1.46 0.00	40.08 1.43 0.01	44.12 1.74 0.01	45.83 1.89 0.01	44.30 2.07 0.01	41.79 2.06 0.01	45.85 2.14 0.01	46.72 2.18 0.01	45.46 2.21 0.01	44.98 2.14 0.01	45.82 2.18 0.01	48.92 2.11 0.01	56.37 2.37 0.01	69.41 3.05 -1.41	85.11 3.58 -3.69	87.46 3.59 -9.02	80.51 3.44 -6.88	72.44 2.61 -4.62	64.80 2.25 -1.67	59.42 2.01 -0.01
NYPA_KENT____GT 24152	51.47 2.05 -8.51	50.33 1.82 -9.08	49.92 1.66 -9.66	39.47 1.62 -0.12	40.39 1.81 -0.12	40.52 1.74 -0.12	52.22 2.08 -7.75	52.91 2.24 -6.72	52.68 2.41 -8.04	51.80 2.38 -9.69	52.89 2.49 -6.69	53.73 2.54 -6.65	53.30 2.51 -7.52	53.15 2.48 -7.82	53.30 2.49 -7.17	54.78 2.43 -5.53	58.28 2.75 -1.52	70.06 3.70 -1.42	85.81 4.28 -3.69	88.25 4.34 -9.06	81.18 4.07 -6.92	73.03 3.19 -4.63	65.35 2.80 -1.67	61.10 2.41 -1.29
NYPA_POUCH1____GT 24155	57.68 1.92 -14.83	56.93 1.66 -15.84	56.96 1.50 -16.85	39.41 1.47 -0.21	40.40 1.73 -0.21	40.49 1.62 -0.21	57.77 1.86 -13.52	57.74 2.07 -11.72	58.49 2.24 -14.02	58.89 2.26 -16.89	57.73 2.36 -11.66	58.55 2.40 -11.60	58.50 2.38 -12.85	58.54 2.36 -13.34	58.50 2.36 -12.50	58.62 2.15 -9.65	59.09 2.43 -2.66	69.93 3.57 -1.42	85.65 4.12 -3.69	88.06 4.19 -9.02	81.00 3.93 -6.88	72.89 3.07 -4.62	65.29 2.74 -1.67	61.95 2.30 -2.25
NYPA_VERNON____GT2 24162	45.07 1.96 -2.18	43.54 1.78 -2.32	42.70 1.62 -2.47	39.38 1.62 -0.03	40.22 1.73 -0.03	40.39 1.70 -0.03	46.41 2.03 -1.98	47.82 2.15 -1.72	46.61 2.32 -2.06	44.51 2.30 -2.48	47.83 2.40 -1.71	48.70 2.45 -1.70	47.88 2.42 -2.19	47.55 2.40 -2.31	47.88 2.40 -1.83	50.62 2.39 -1.41	57.09 2.70 -0.39	69.87 3.50 -1.42	85.58 4.05 -3.69	87.93 4.04 -9.04	80.94 3.86 -6.90	72.83 3.00 -4.63	65.17 2.62 -1.67	60.04 2.30 -0.34
NYPA_VERNON____GT3 24163	45.07 1.96 -2.18	43.54 1.78 -2.32	42.70 1.62 -2.47	39.38 1.62 -0.03	40.22 1.73 -0.03	40.39 1.70 -0.03	46.41 2.03 -1.98	47.82 2.15 -1.72	46.61 2.32 -2.06	44.51 2.30 -2.48	47.83 2.40 -1.71	48.70 2.45 -1.70	47.88 2.42 -2.19	47.55 2.40 -2.31	47.88 2.40 -1.83	50.62 2.39 -1.41	57.09 2.70 -0.39	69.87 3.50 -1.42	85.58 4.05 -3.69	87.93 4.04 -9.04	80.94 3.86 -6.90	72.83 3.00 -4.63	65.17 2.62 -1.67	60.04 2.30 -0.34
NYPA__ASTORIA_CC1 323568	42.90 1.96 -0.01	41.17 1.73 0.00	40.19 1.58 0.00	39.32 1.58 0.00	40.15 1.69 0.00	40.32 1.66 0.00	44.38 1.99 0.00	46.06 2.11 0.00	44.51 2.28 0.00	42.00 2.26 0.00	46.07 2.36 0.00	46.95 2.40 0.00	46.00 2.42 -0.31	45.69 2.36 -0.48	46.00 2.36 0.00	49.16 2.34 0.00	56.65 2.65 0.00	69.74 3.38 -1.42	85.50 3.97 -3.69	87.84 3.96 -9.03	80.86 3.79 -6.89	72.77 2.94 -4.63	65.11 2.56 -1.67	59.65 2.24 -0.01
NYPA__ASTORIA_CC2 323569	42.90 1.96 -0.01	41.17 1.73 0.00	40.19 1.58 0.00	39.32 1.58 0.00	40.15 1.69 0.00	40.32 1.66 0.00	44.38 1.99 0.00	46.06 2.11 0.00	44.51 2.28 0.00	42.00 2.26 0.00	46.07 2.36 0.00	46.95 2.40 0.00	46.00 2.42 -0.31	45.69 2.36 -0.48	46.00 2.36 0.00	49.16 2.34 0.00	56.65 2.65 0.00	69.74 3.38 -1.42	85.50 3.97 -3.69	87.84 3.96 -9.03	80.86 3.79 -6.89	72.77 2.94 -4.63	65.11 2.56 -1.67	59.65 2.24 -0.01
NYPA__HOLTSVILL 23794	45.97 2.74 -2.30	44.15 2.60 -2.11	40.84 2.24 0.00	40.03 2.30 0.00	40.92 2.46 0.00	43.90 2.55 -2.69	45.51 2.97 -0.16	47.02 3.08 0.00	47.25 3.13 -1.89	42.47 2.74 0.00	46.64 2.93 0.00	47.40 2.85 0.00	46.08 2.81 0.00	45.67 2.83 0.00	46.65 3.01 0.00	53.70 3.23 -3.66	65.53 3.89 -7.64	91.85 4.87 -22.03	99.96 5.76 -16.36	95.27 5.54 -14.88	82.20 5.06 -6.95	79.15 4.50 -9.45	72.25 4.08 -7.29	67.38 3.68 -6.30
NYPA__HELLGATE_GT1 24158	42.78 1.84 -0.01	41.02 1.58 0.00	39.99 1.39 0.00	39.09 1.36 0.00	39.92 1.46 0.00	40.08 1.43 0.01	44.12 1.74 0.01	45.83 1.89 0.01	44.30 2.07 0.01	41.79 2.06 0.01	45.85 2.14 0.01	46.72 2.18 0.01	45.46 2.21 0.01	44.98 2.14 0.01	45.82 2.18 0.01	48.92 2.11 0.01	56.37 2.37 0.01	69.41 3.05 -1.41	85.11 3.58 -3.69	87.46 3.59 -9.02	80.51 3.44 -6.88	72.44 2.61 -4.62	64.80 2.25 -1.67	59.42 2.01 -0.01
NYPA__HELLGATE_GT2 24159	42.78 1.84 -0.01	41.02 1.58 0.00	39.99 1.39 0.00	39.09 1.36 0.00	39.92 1.46 0.00	40.08 1.43 0.01	44.12 1.74 0.01	45.83 1.89 0.01	44.30 2.07 0.01	41.79 2.06 0.01	45.85 2.14 0.01	46.72 2.18 0.01	45.46 2.21 0.01	44.98 2.14 0.01	45.82 2.18 0.01	48.92 2.11 0.01	56.37 2.37 0.01	69.41 3.05 -1.41	85.11 3.58 -3.69	87.46 3.59 -9.02	80.51 3.44 -6.88	72.44 2.61 -4.62	64.80 2.25 -1.67	59.42 2.01 -0.01
NYS_BARGE__HYD 23848	38.35 -2.58 0.00	37.03 -2.41 0.00	36.25 -2.36 0.00	35.43 -2.30 0.00	36.27 -2.19 0.00	36.61 -2.05 0.00	39.13 -3.26 0.00	40.43 -3.52 0.00	38.60 -3.63 0.00	36.31 -3.42 0.00	39.60 -4.11 0.00	40.40 -4.14 0.00	39.16 -4.11 0.00	38.91 -3.94 0.00	39.41 -4.23 0.00	42.28 -4.54 0.00	48.17 -5.83 0.00	57.48 -7.47 0.00	69.36 -8.48 0.00	66.17 -8.68 0.00	62.05 -8.14 0.00	58.36 -6.85 0.00	55.10 -5.79 0.00	53.33 -4.07 0.00



OAK ORCHARD___HYD 24046	39.29 -1.64 0.00	37.86 -1.58 0.00	37.06 -1.55 0.00	36.22 -1.51 0.00	37.04 -1.42 0.00	37.30 -1.35 0.00	40.36 -2.03 0.00	41.84 -2.11 0.00	40.08 -2.15 0.00	37.66 -2.07 0.00	41.31 -2.40 0.00	42.14 -2.41 0.00	40.89 -2.38 0.00	40.53 -2.31 0.00	41.20 -2.44 0.00	44.24 -2.57 0.00	50.65 -3.35 0.00	60.79 -4.16 0.00	73.25 -4.59 0.00	70.06 -4.79 0.00	65.62 -4.56 0.00	61.29 -3.91 0.00	57.53 -3.35 0.00	55.05 -2.36 0.00
OAKDALE___35_KV_LOAD 356122	40.80 -0.12 0.00	39.36 -0.08 0.00	38.52 -0.08 0.00	37.66 -0.08 0.00	38.46 0.00 0.00	38.66 0.00 0.00	42.18 -0.21 0.00	43.73 -0.22 0.00	41.90 -0.34 0.00	39.41 -0.32 0.00	43.23 -0.48 0.00	44.06 -0.49 0.00	42.75 -0.52 0.00	42.33 -0.51 0.00	43.12 -0.52 0.00	46.30 -0.51 0.00	53.35 -0.65 0.00	64.87 -0.71 -0.64	77.69 -0.70 -0.55	74.93 -0.90 -0.98	69.80 -0.84 -0.45	64.98 -0.78 -0.56	60.21 -0.67 0.00	57.11 -0.29 0.00
OCC_CHEM___DRP 24175	38.10 -2.82 0.00	36.72 -2.72 0.00	35.90 -2.70 0.00	35.09 -2.64 0.00	35.92 -2.54 0.00	36.26 -2.40 0.00	38.53 -3.86 0.00	40.12 -3.82 0.00	38.10 -4.14 0.00	35.76 -3.97 0.00	38.95 -4.76 0.00	39.73 -4.81 0.00	38.59 -4.67 0.00	38.39 -4.46 0.00	38.97 -4.67 0.00	41.81 -5.01 0.00	47.63 -6.37 0.00	56.37 -8.57 0.00	67.88 -9.96 0.00	64.67 -10.18 0.00	60.71 -9.48 0.00	57.12 -8.08 0.00	54.12 -6.76 0.00	52.35 -5.05 0.00
OH_GEN_PROXY 24063	38.22 -2.70 0.00	36.91 -2.52 0.00	36.13 -2.47 0.00	35.32 -2.42 0.00	36.11 -2.35 0.00	36.42 -2.24 0.00	39.00 -3.39 0.00	40.30 -3.65 0.00	38.43 -3.80 0.00	36.16 -3.58 0.00	39.39 -4.33 0.00	40.18 -4.36 0.00	39.03 -4.24 0.00	38.73 -4.11 0.00	39.28 -4.36 0.00	42.09 -4.73 0.00	47.90 -6.10 0.00	57.22 -7.73 0.00	68.81 -9.03 0.00	65.64 -9.21 0.00	61.55 -8.64 0.00	57.90 -7.30 0.00	54.67 -6.21 0.00	52.92 -4.48 0.00
OLIN_CORP_DRP 24177	37.94 -2.99 0.00	36.56 -2.88 0.00	35.75 -2.86 0.00	34.94 -2.79 0.00	35.81 -2.65 0.00	36.11 -2.55 0.00	38.58 -3.82 0.00	40.12 -3.82 0.00	38.14 -4.10 0.00	35.80 -3.93 0.00	38.99 -4.72 0.00	39.78 -4.77 0.00	38.59 -4.67 0.00	38.39 -4.46 0.00	38.97 -4.67 0.00	41.85 -4.96 0.00	47.74 -6.26 0.00	56.50 -8.44 0.00	68.03 -9.81 0.00	64.89 -9.95 0.00	60.92 -9.26 0.00	57.31 -7.89 0.00	54.25 -6.64 0.00	52.47 -4.94 0.00
OLIN_CORP_DSASP 323712	38.02 -2.90 0.00	36.68 -2.76 0.00	35.90 -2.70 0.00	35.09 -2.64 0.00	35.96 -2.50 0.00	36.26 -2.40 0.00	38.53 -3.86 0.00	39.81 -4.13 0.00	37.97 -4.26 0.00	35.72 -4.01 0.00	38.95 -4.76 0.00	39.73 -4.81 0.00	38.59 -4.67 0.00	38.35 -4.50 0.00	38.84 -4.80 0.00	41.62 -5.20 0.00	47.30 -6.70 0.00	56.37 -8.57 0.00	67.88 -9.96 0.00	64.67 -10.18 0.00	60.71 -9.48 0.00	57.11 -8.09 0.00	54.00 -6.88 0.00	52.35 -5.05 0.00
ONEIDA_HERK_LFGE 323681	41.70 0.78 0.00	40.15 0.71 0.00	39.26 0.66 0.00	38.37 0.64 0.00	39.07 0.61 0.00	39.28 0.62 0.00	43.03 0.64 0.00	44.69 0.75 0.00	42.95 0.72 0.00	40.37 0.63 0.00	44.37 0.66 0.00	45.17 0.62 0.00	43.87 0.61 0.00	43.40 0.56 0.00	44.26 0.61 0.00	47.56 0.75 0.00	55.03 1.02 0.00	66.37 1.43 0.00	80.10 2.26 0.00	76.87 2.02 0.00	72.15 1.96 0.00	67.09 1.89 0.00	62.53 1.64 0.00	58.84 1.44 0.00
ONEIDA___115KV_TB4 55905	41.78 0.86 0.00	40.23 0.79 0.00	39.37 0.77 0.00	38.49 0.75 0.00	39.19 0.73 0.00	39.43 0.77 0.00	43.20 0.81 0.00	44.78 0.83 0.00	43.04 0.80 0.00	40.45 0.72 0.00	44.46 0.74 0.00	45.30 0.76 0.00	44.00 0.74 0.00	43.49 0.64 0.00	44.34 0.70 0.00	47.71 0.89 0.00	55.19 1.19 0.00	66.50 1.56 0.00	80.17 2.34 0.00	76.94 2.10 0.00	72.15 1.97 0.00	67.03 1.83 0.00	62.47 1.58 0.00	58.84 1.44 0.00
ONONDAGA_REF_OCCRA 23987	40.35 -0.57 0.00	38.88 -0.55 0.00	38.06 -0.54 0.00	37.20 -0.53 0.00	37.96 -0.50 0.00	38.16 -0.50 0.00	41.76 -0.64 0.00	43.33 -0.62 0.00	41.60 -0.63 0.00	39.14 -0.60 0.00	43.06 -0.66 0.00	43.88 -0.67 0.00	42.62 -0.65 0.00	42.16 -0.69 0.00	42.99 -0.65 0.00	46.16 -0.66 0.00	53.25 -0.76 0.00	64.04 -0.91 0.00	76.91 -0.93 0.00	73.80 -1.05 0.00	69.20 -0.98 0.00	64.22 -0.98 0.00	59.97 -0.91 0.00	56.66 -0.75 0.00
ONONDAGA___COGEN 23986	40.56 -0.37 0.00	39.08 -0.35 0.00	38.25 -0.35 0.00	37.39 -0.34 0.00	38.15 -0.31 0.00	38.35 -0.31 0.00	41.97 -0.42 0.00	43.55 -0.40 0.00	41.81 -0.42 0.00	39.37 -0.36 0.00	43.32 -0.39 0.00	44.14 -0.40 0.00	42.88 -0.39 0.00	42.42 -0.43 0.00	43.21 -0.44 0.00	46.44 -0.37 0.00	53.57 -0.43 0.00	64.43 -0.52 0.00	77.37 -0.47 0.00	74.25 -0.60 0.00	69.62 -0.56 0.00	64.61 -0.59 0.00	60.33 -0.55 0.00	57.06 -0.34 0.00
ONTARIO___LFGE 23819	40.51 -0.41 0.00	39.08 -0.36 0.00	38.25 -0.35 0.00	37.39 -0.34 0.00	38.19 -0.27 0.00	38.47 -0.19 0.00	41.93 -0.47 0.00	43.42 -0.53 0.00	41.56 -0.68 0.00	39.06 -0.68 0.00	42.80 -0.92 0.00	43.61 -0.94 0.00	42.27 -0.99 0.00	41.82 -1.03 0.00	42.56 -1.09 0.00	45.79 -1.03 0.00	52.76 -1.24 0.00	63.45 -1.49 0.00	76.59 -1.25 0.00	73.35 -1.50 0.00	68.71 -1.48 0.00	63.90 -1.30 0.00	59.72 -1.16 0.00	57.06 -0.34 0.00
ORANGEVILLE_WT_PWR 323706	38.63 -2.29 0.00	37.35 -2.09 0.00	36.55 -2.05 0.00	35.69 -2.04 0.00	36.54 -1.92 0.00	36.84 -1.82 0.00	39.59 -2.80 0.00	40.83 -3.12 0.00	38.94 -3.29 0.00	36.63 -3.10 0.00	39.91 -3.80 0.00	40.62 -3.92 0.00	39.33 -3.94 0.00	38.99 -3.86 0.00	39.63 -4.01 0.00	42.56 -4.26 0.00	48.82 -5.18 0.00	58.71 -6.24 0.00	70.83 -7.01 0.00	67.96 -6.88 0.00	63.80 -6.39 0.00	59.92 -5.28 0.00	56.38 -4.50 0.00	54.41 -2.99 0.00
ORANGEVILLE___ESR 323794	38.63 -2.29 0.00	37.35 -2.09 0.00	36.55 -2.05 0.00	35.69 -2.04 0.00	36.54 -1.92 0.00	36.84 -1.82 0.00	39.59 -2.80 0.00	40.83 -3.12 0.00	38.94 -3.29 0.00	36.63 -3.10 0.00	39.91 -3.80 0.00	40.62 -3.92 0.00	39.33 -3.94 0.00	38.99 -3.86 0.00	39.63 -4.01 0.00	42.56 -4.26 0.00	48.82 -5.18 0.00	58.71 -6.24 0.00	70.83 -7.01 0.00	67.96 -6.88 0.00	63.80 -6.39 0.00	59.92 -5.28 0.00	56.38 -4.50 0.00	54.41 -2.99 0.00
OSWEGATCHIE___HYD 24044	41.62 0.70 0.00	39.99 0.55 0.00	39.03 0.43 0.00	38.11 0.38 0.00	38.81 0.35 0.00	38.97 0.31 0.00	42.60 0.21 0.00	44.30 0.35 0.00	42.49 0.25 0.00	39.85 0.12 0.00	43.93 0.22 0.00	44.77 0.22 0.00	43.57 0.31 0.00	43.15 0.30 0.00	43.95 0.31 0.00	47.24 0.42 0.00	54.49 0.48 0.00	65.34 0.39 0.00	78.46 0.62 0.00	75.67 0.82 0.00	71.10 0.91 0.00	66.50 1.30 0.00	62.28 1.40 0.00	58.72 1.32 0.00
OSWEGO___5 23606	39.66 -1.27 0.00	38.21 -1.22 0.00	37.44 -1.16 0.00	36.60 -1.13 0.00	37.31 -1.15 0.00	37.54 -1.12 0.00	41.03 -1.36 0.00	42.54 -1.41 0.00	40.88 -1.35 0.00	38.46 -1.27 0.00	42.27 -1.44 0.00	43.08 -1.47 0.00	41.84 -1.43 0.00	41.43 -1.41 0.00	42.21 -1.44 0.00	45.32 -1.50 0.00	52.22 -1.78 0.00	62.80 -2.14 0.00	75.35 -2.49 0.00	72.38 -2.47 0.00	67.87 -2.31 0.00	63.05 -2.15 0.00	58.87 -2.01 0.00	55.68 -1.72 0.00



OSWEGO___6 23613	39.66 -1.27 0.00	38.21 -1.22 0.00	37.44 -1.16 0.00	36.60 -1.13 0.00	37.31 -1.15 0.00	37.54 -1.12 0.00	41.03 -1.36 0.00	42.54 -1.41 0.00	40.88 -1.35 0.00	38.46 -1.27 0.00	42.27 -1.44 0.00	43.08 -1.47 0.00	41.84 -1.43 0.00	41.43 -1.41 0.00	42.21 -1.44 0.00	45.32 -1.50 0.00	52.22 -1.78 0.00	62.80 -2.14 0.00	75.35 -2.49 0.00	72.38 -2.47 0.00	67.87 -2.31 0.00	63.05 -2.15 0.00	58.87 -2.01 0.00	55.68 -1.72 0.00
OUTOKUMPU-AB___DRP 24206	38.84 -2.09 0.00	37.39 -2.05 0.00	36.59 -2.01 0.00	35.77 -1.96 0.00	36.65 -1.81 0.00	36.96 -1.70 0.00	39.42 -2.97 0.00	41.00 -2.94 0.00	38.98 -3.25 0.00	36.67 -3.06 0.00	39.96 -3.76 0.00	40.76 -3.79 0.00	39.50 -3.76 0.00	39.29 -3.56 0.00	39.93 -3.71 0.00	42.84 -3.98 0.00	48.93 -5.08 0.00	58.00 -6.95 0.00	69.90 -7.94 0.00	66.69 -8.16 0.00	62.61 -7.58 0.00	58.88 -6.32 0.00	55.71 -5.18 0.00	53.79 -3.62 0.00
OXBOW___BTM 323836	38.30 -2.62 0.00	36.95 -2.48 0.00	36.17 -2.43 0.00	35.36 -2.38 0.00	36.23 -2.23 0.00	36.53 -2.13 0.00	38.92 -3.48 0.00	40.21 -3.74 0.00	38.35 -3.88 0.00	36.12 -3.62 0.00	39.39 -4.33 0.00	40.18 -4.36 0.00	38.98 -4.28 0.00	38.73 -4.11 0.00	39.24 -4.41 0.00	42.04 -4.78 0.00	47.90 -6.10 0.00	57.08 -7.86 0.00	68.73 -9.11 0.00	65.56 -9.28 0.00	61.55 -8.64 0.00	57.90 -7.30 0.00	54.67 -6.21 0.00	52.98 -4.42 0.00
OXBOW____ 24026	38.39 -2.54 0.00	36.99 -2.45 0.00	36.17 -2.43 0.00	35.36 -2.38 0.00	36.23 -2.23 0.00	36.53 -2.13 0.00	38.91 -3.48 0.00	40.48 -3.47 0.00	38.48 -3.76 0.00	36.16 -3.58 0.00	39.39 -4.33 0.00	40.18 -4.37 0.00	38.98 -4.28 0.00	38.78 -4.07 0.00	39.37 -4.28 0.00	42.23 -4.59 0.00	48.22 -5.78 0.00	57.09 -7.86 0.00	68.73 -9.11 0.00	65.57 -9.28 0.00	61.55 -8.63 0.00	57.90 -7.30 0.00	54.79 -6.09 0.00	52.98 -4.42 0.00
OXY_CHEM_DSASP 323612	38.10 -2.82 0.00	36.72 -2.72 0.00	35.90 -2.70 0.00	35.09 -2.64 0.00	35.92 -2.54 0.00	36.26 -2.40 0.00	38.53 -3.86 0.00	40.12 -3.82 0.00	38.10 -4.14 0.00	35.76 -3.97 0.00	38.95 -4.76 0.00	39.73 -4.81 0.00	38.59 -4.67 0.00	38.39 -4.46 0.00	38.97 -4.67 0.00	41.81 -5.01 0.00	47.63 -6.37 0.00	56.37 -8.57 0.00	67.88 -9.96 0.00	64.67 -10.18 0.00	60.71 -9.48 0.00	57.12 -8.08 0.00	54.12 -6.76 0.00	52.35 -5.05 0.00
OZONE_PARK_ESR 323760	42.97 2.05 0.00	41.37 1.93 0.00	40.38 1.78 0.00	39.51 1.77 0.00	40.27 1.81 0.00	40.48 1.82 0.00	44.64 2.25 0.00	46.23 2.29 0.00	44.68 2.45 0.00	42.16 2.42 0.00	46.25 2.54 0.00	47.13 2.58 0.00	45.82 2.55 0.00	45.33 2.49 0.00	46.13 2.49 0.00	49.34 2.53 0.00	56.86 2.86 0.00	70.06 3.70 -1.42	85.90 4.36 -3.70	88.16 4.27 -9.04	81.09 4.00 -6.90	73.10 3.26 -4.64	65.35 2.80 -1.67	59.87 2.47 0.00
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	38.10 -2.82 0.00	36.72 -2.72 0.00	35.90 -2.70 0.00	35.09 -2.64 0.00	35.92 -2.54 0.00	36.26 -2.40 0.00	38.53 -3.86 0.00	40.12 -3.82 0.00	38.10 -4.14 0.00	35.76 -3.97 0.00	38.95 -4.76 0.00	39.73 -4.81 0.00	38.59 -4.67 0.00	38.39 -4.46 0.00	38.97 -4.67 0.00	41.81 -5.01 0.00	47.63 -6.37 0.00	56.37 -8.57 0.00	67.88 -9.96 0.00	64.67 -10.18 0.00	60.71 -9.48 0.00	57.12 -8.08 0.00	54.12 -6.76 0.00	52.35 -5.05 0.00
PACKARD__115KV_DUPONT_184 80571	38.10 -2.82 0.00	36.72 -2.72 0.00	35.90 -2.70 0.00	35.09 -2.64 0.00	35.92 -2.54 0.00	36.26 -2.40 0.00	38.53 -3.86 0.00	40.12 -3.82 0.00	38.10 -4.14 0.00	35.76 -3.97 0.00	38.95 -4.76 0.00	39.73 -4.81 0.00	38.59 -4.67 0.00	38.39 -4.46 0.00	38.97 -4.67 0.00	41.81 -5.01 0.00	47.63 -6.37 0.00	56.37 -8.57 0.00	67.88 -9.96 0.00	64.67 -10.18 0.00	60.71 -9.48 0.00	57.12 -8.08 0.00	54.12 -6.76 0.00	52.35 -5.05 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	42.94 2.01 -0.01	41.25 1.81 0.00	40.26 1.66 0.00	39.28 1.55 0.00	40.08 1.62 0.00	40.17 1.51 0.00	44.38 1.99 0.00	45.97 2.02 0.00	44.43 2.20 0.00	41.96 2.22 0.00	46.03 2.32 0.00	46.95 2.41 0.01	45.64 2.38 0.01	45.15 2.31 0.01	45.96 2.31 0.00	49.11 2.29 0.00	56.54 2.54 0.00	69.54 3.18 -1.42	85.27 3.74 -3.69	87.62 3.74 -9.03	80.66 3.58 -6.89	72.57 2.74 -4.63	64.93 2.37 -1.67	59.76 2.35 -0.01
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	43.10 2.17 -0.01	41.41 1.97 0.00	40.42 1.81 0.00	39.43 1.70 0.00	40.23 1.77 0.00	40.36 1.70 0.00	44.55 2.16 0.00	46.10 2.15 0.00	44.56 2.32 0.00	42.08 2.34 0.00	46.16 2.45 0.00	47.04 2.49 0.01	45.73 2.47 0.01	45.28 2.44 0.01	46.09 2.44 0.00	49.20 2.39 0.00	56.70 2.70 0.00	69.74 3.38 -1.42	85.50 3.97 -3.69	87.92 4.04 -9.03	80.87 3.79 -6.89	72.83 3.00 -4.63	65.17 2.62 -1.67	59.99 2.58 -0.01
PATROON__115KV_TB1 80586	41.78 0.86 0.00	40.34 0.91 0.00	39.49 0.89 0.00	38.60 0.87 0.00	39.34 0.88 0.00	39.51 0.85 0.00	43.45 1.06 0.00	44.96 1.01 0.00	43.21 0.97 0.00	40.69 0.95 0.00	45.11 1.40 0.00	46.06 1.51 0.00	44.65 1.38 0.00	44.26 1.41 0.00	45.13 1.48 0.00	48.41 1.59 0.00	56.00 2.00 0.00	76.80 2.34 -9.51	88.75 2.65 -8.27	92.11 2.62 -14.64	79.55 2.60 -6.77	75.83 2.22 -8.42	62.95 2.07 0.00	59.24 1.84 0.00
PATTRSNVILLE___SOLAR 323815	42.36 1.43 0.00	40.78 1.34 0.00	39.95 1.35 0.00	39.05 1.32 0.00	39.81 1.35 0.00	40.01 1.35 0.00	43.91 1.52 0.00	45.48 1.54 0.00	43.63 1.39 0.00	40.92 1.19 0.00	45.03 1.31 0.00	45.88 1.34 0.00	44.56 1.30 0.00	44.18 1.33 0.00	45.04 1.40 0.00	48.41 1.59 0.00	56.11 2.10 0.00	83.10 2.73 -15.43	94.52 3.27 -13.41	101.81 3.22 -23.75	84.18 3.02 -10.98	81.65 2.80 -13.65	63.38 2.50 0.00	59.64 2.24 0.00
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	39.98 -0.94 0.00	38.57 -0.87 0.00	37.71 -0.89 0.00	36.87 -0.87 0.00	37.77 -0.69 0.00	38.12 -0.54 0.00	40.86 -1.53 0.00	42.37 -1.58 0.00	40.33 -1.90 0.00	37.90 -1.83 0.00	41.31 -2.40 0.00	42.10 -2.45 0.00	40.84 -2.42 0.00	40.58 -2.27 0.00	41.24 -2.40 0.00	44.24 -2.57 0.00	50.65 -3.35 0.00	60.33 -4.61 0.00	72.78 -5.06 0.00	69.46 -5.39 0.00	65.27 -4.91 0.00	61.22 -3.98 0.00	57.72 -3.17 0.00	55.62 -1.78 0.00
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	42.85 1.92 0.00	41.29 1.85 0.00	40.34 1.74 0.00	39.47 1.74 0.00	40.23 1.77 0.00	40.48 1.82 0.00	44.47 2.08 0.00	45.97 2.02 0.00	44.43 2.20 0.00	41.76 2.03 0.00	46.03 2.32 0.00	46.86 2.32 0.00	45.47 2.21 0.00	44.99 2.14 0.00	45.83 2.18 0.00	49.11 2.29 0.00	56.81 2.81 0.00	70.15 3.77 -1.44	84.44 4.51 -2.08	83.72 4.34 -4.54	77.21 4.00 -3.02	71.07 3.46 -2.42	64.37 2.92 -0.57	59.81 2.41 0.00
PEEKSKILL____ 23653	42.36 1.43 0.00	40.82 1.38 0.00	39.87 1.27 0.00	39.02 1.28 0.00	39.81 1.35 0.00	40.01 1.35 0.00	44.00 1.61 0.00	45.57 1.63 0.00	43.93 1.69 0.00	41.40 1.67 0.00	45.51 1.79 0.00	46.33 1.78 0.00	45.00 1.73 0.00	44.56 1.72 0.00	45.39 1.75 0.00	48.59 1.78 0.00	56.00 2.00 0.00	68.86 2.53 -1.38	103.82 2.96 -23.03	140.53 2.84 -62.83	125.97 2.67 -53.12	98.52 2.15 -31.17	77.43 1.77 -14.78	58.78 1.38 0.00



PGE MADISON___WINDPWR 24146	43.42 2.50 0.00	41.76 2.33 0.00	41.00 2.39 0.00	40.11 2.38 0.00	40.92 2.46 0.00	41.32 2.67 0.00	45.27 2.88 0.00	47.11 3.17 0.00	45.19 2.96 0.00	42.35 2.62 0.00	46.29 2.58 0.00	47.08 2.54 0.00	45.56 2.29 0.00	44.95 2.10 0.00	45.91 2.27 0.00	49.72 2.90 0.00	57.68 3.67 0.00	70.67 4.81 -0.92	85.72 7.08 -0.80	82.40 6.14 -1.41	76.66 5.82 -0.65	71.55 5.54 -0.81	65.69 4.81 0.00	62.05 4.65 0.00
PIERCEFIELD___HYD 23852	41.74 0.82 0.00	40.11 0.67 0.00	39.18 0.58 0.00	38.22 0.49 0.00	38.92 0.46 0.00	39.05 0.39 0.00	42.65 0.25 0.00	44.30 0.35 0.00	42.53 0.30 0.00	39.89 0.16 0.00	44.15 0.44 0.00	45.04 0.49 0.00	43.87 0.61 0.00	43.40 0.56 0.00	44.21 0.57 0.00	47.47 0.66 0.00	54.54 0.54 0.00	65.01 0.06 0.00	77.37 -0.47 0.00	74.77 -0.07 0.00	70.33 0.14 0.00	65.98 0.78 0.00	62.10 1.22 0.00	58.61 1.21 0.00
PINELAWN_CC_1 323563	45.92 2.70 -2.30	44.11 2.56 -2.11	40.80 2.20 0.00	39.96 2.23 0.00	40.85 2.39 0.00	43.83 2.48 -2.69	45.43 2.88 -0.16	46.94 2.99 0.00	47.13 3.00 -1.89	42.39 2.66 0.00	46.64 2.93 0.00	47.40 2.85 0.00	46.08 2.81 0.00	45.72 2.87 0.00	46.65 3.01 0.00	53.61 3.14 -3.66	65.36 3.72 -7.64	91.59 4.61 -22.03	99.65 5.45 -16.36	95.04 5.31 -14.88	81.98 4.84 -6.95	78.96 4.30 -9.45	71.95 3.78 -7.29	67.09 3.39 -6.30
PJM_GEN_HTP_PROXY 323702	42.72 1.80 0.00	41.09 1.66 0.00	40.15 1.55 0.00	39.28 1.55 0.00	40.04 1.58 0.00	40.24 1.59 0.00	44.38 1.99 0.00	46.01 2.07 0.00	44.43 2.19 0.00	41.92 2.18 0.00	45.99 2.27 0.00	46.86 2.31 0.00	45.56 2.29 0.00	45.07 2.23 0.00	45.91 2.27 0.00	49.06 2.25 0.00	56.59 2.59 0.00	69.54 3.18 -1.42	85.28 3.74 -3.70	87.50 3.59 -9.06	80.47 3.37 -6.92	72.59 2.74 -4.65	64.93 2.37 -1.68	59.41 2.01 0.00
PJM_GEN_KEystone 24065	40.68 -0.24 0.00	39.28 -0.16 0.00	38.45 -0.15 0.00	37.62 -0.11 0.00	38.38 -0.08 0.00	38.62 -0.04 0.00	42.10 -0.29 0.00	43.51 -0.44 0.00	41.73 -0.50 0.00	39.33 -0.40 0.00	43.01 -0.70 0.00	43.79 -0.76 0.00	42.53 -0.74 0.00	42.16 -0.69 0.00	42.86 -0.78 0.00	45.88 -0.94 0.00	51.90 -1.30 0.81	64.27 -1.56 -0.89	75.03 -1.71 1.10	69.15 -1.87 3.83	64.60 -1.75 3.83	61.80 -1.63 1.78	57.30 -1.46 2.12	54.40 -0.98 2.03
PJM_GEN_NEPTUNE_PROXY 323594	44.37 2.21 -1.24	42.66 2.09 -1.14	40.42 1.81 0.00	39.58 1.85 0.00	40.42 1.96 0.00	42.12 2.01 -1.45	44.89 2.42 -0.08	46.41 2.46 0.00	45.79 2.53 -1.02	42.08 2.34 0.00	46.25 2.53 0.00	47.04 2.49 0.00	45.73 2.46 0.00	45.33 2.48 0.00	46.22 2.57 0.00	51.50 2.71 -1.97	61.25 3.13 -4.12	81.30 3.83 -12.53	92.89 4.51 -10.54	91.41 4.34 -12.22	81.14 4.00 -6.95	75.90 3.45 -7.25	68.63 3.04 -4.71	63.44 2.64 -3.40
PJM_GEN_VFT_PROXY 323633	42.43 1.59 0.09	40.94 1.50 0.00	39.95 1.35 0.00	39.09 1.36 0.00	39.84 1.38 0.00	40.09 1.43 0.00	44.21 1.82 0.00	45.84 1.89 0.00	44.22 1.99 0.00	41.76 2.03 0.00	45.81 2.10 0.00	46.68 2.14 0.00	45.39 2.12 0.00	44.90 2.06 0.00	45.70 2.05 0.00	48.18 2.06 0.69	48.31 2.37 8.07	61.50 2.73 6.17	76.30 3.19 4.73	70.21 3.07 7.71	66.40 2.95 6.73	60.65 2.28 6.83	56.16 1.95 6.67	48.18 1.67 10.89
PLATSBURG_115KV_PMLD1 355749	41.25 0.33 0.00	39.67 0.24 0.00	38.60 0.00 0.00	37.51 -0.23 0.00	38.15 -0.31 0.00	38.50 -0.15 0.00	42.56 0.17 0.00	44.39 0.44 0.00	42.66 0.42 0.00	39.93 0.20 0.00	43.72 0.00 0.00	44.28 -0.27 0.00	42.96 -0.30 0.00	42.59 -0.26 0.00	43.25 -0.39 0.00	46.25 -0.56 0.00	53.08 -0.92 0.00	63.39 -1.56 0.00	75.89 -1.95 0.00	73.13 -1.72 0.00	68.57 -1.61 0.00	64.29 -0.91 0.00	60.33 -0.55 0.00	56.83 -0.57 0.00
PLEASANTVLY___LBMP 24000	42.36 1.43 0.00	40.86 1.42 0.00	39.91 1.31 0.00	39.05 1.32 0.00	39.81 1.35 0.00	40.01 1.35 0.00	44.00 1.61 0.00	45.57 1.63 0.00	43.92 1.69 0.00	41.44 1.71 0.00	45.60 1.88 0.00	46.46 1.92 0.00	45.13 1.86 0.00	44.69 1.84 0.00	45.48 1.83 0.00	48.69 1.87 0.00	56.16 2.16 0.00	69.23 2.79 -1.49	83.39 3.19 -2.36	83.24 3.14 -5.25	76.66 2.88 -3.60	70.39 2.41 -2.78	63.67 2.07 -0.72	59.18 1.78 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	42.60 1.68 0.00	41.05 1.62 0.00	40.11 1.51 0.00	39.24 1.51 0.00	40.04 1.58 0.00	40.20 1.55 0.00	44.26 1.87 0.00	45.84 1.89 0.00	44.22 1.99 0.00	41.68 1.95 0.00	45.81 2.10 0.00	46.68 2.14 0.00	45.39 2.12 0.00	44.95 2.10 0.00	45.74 2.09 0.00	48.92 2.11 0.00	56.43 2.43 0.00	69.48 3.12 -1.42	84.70 3.74 -3.12	85.87 3.59 -7.43	79.07 3.37 -5.52	71.85 2.80 -3.85	64.47 2.31 -1.28	59.35 1.95 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	42.60 1.68 0.00	41.05 1.62 0.00	40.11 1.51 0.00	39.24 1.51 0.00	40.04 1.58 0.00	40.20 1.55 0.00	44.26 1.87 0.00	45.84 1.89 0.00	44.22 1.99 0.00	41.68 1.95 0.00	45.81 2.10 0.00	46.68 2.14 0.00	45.39 2.12 0.00	44.95 2.10 0.00	45.74 2.09 0.00	48.92 2.11 0.00	56.43 2.43 0.00	69.48 3.12 -1.42	84.70 3.74 -3.12	85.87 3.59 -7.43	79.07 3.37 -5.52	71.85 2.80 -3.85	64.47 2.31 -1.28	59.35 1.95 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	42.72 1.80 0.00	41.17 1.74 0.00	40.22 1.62 0.00	39.36 1.62 0.00	40.11 1.65 0.00	40.32 1.66 0.00	44.38 1.99 0.00	45.92 1.98 0.00	44.26 2.03 0.00	41.64 1.91 0.00	45.81 2.10 0.00	46.68 2.14 0.00	45.34 2.08 0.00	44.90 2.06 0.00	45.74 2.09 0.00	48.97 2.15 0.00	56.65 2.65 0.00	69.90 3.51 -1.45	83.23 4.13 -1.26	81.20 4.12 -2.23	74.94 3.72 -1.03	69.68 3.19 -1.28	63.56 2.68 0.00	59.70 2.30 0.00
POLETTI___ 23519	42.68 1.76 0.00	41.09 1.66 0.00	40.15 1.54 0.00	39.24 1.51 0.00	40.04 1.58 0.00	40.24 1.59 0.00	44.34 1.95 0.00	45.88 1.93 0.00	44.35 2.11 0.00	41.84 2.11 0.00	45.94 2.23 0.00	46.82 2.27 0.00	45.52 2.25 0.00	45.03 2.19 0.00	45.83 2.18 0.00	48.97 2.15 0.00	56.43 2.43 0.00	69.41 3.05 -1.42	85.12 3.58 -3.70	87.33 3.44 -9.04	80.32 3.23 -6.90	72.45 2.61 -4.64	64.81 2.25 -1.67	59.35 1.95 0.00
POMONA___ESR 323819	42.32 1.39 0.00	40.82 1.38 0.00	39.87 1.27 0.00	39.05 1.32 0.00	39.81 1.35 0.00	40.01 1.35 0.00	43.96 1.57 0.00	45.53 1.58 0.00	43.88 1.65 0.00	41.40 1.67 0.00	45.42 1.70 0.00	46.24 1.69 0.00	44.91 1.64 0.00	44.52 1.67 0.00	45.30 1.66 0.00	48.50 1.68 0.00	55.89 1.89 0.00	68.63 2.33 -1.35	77.75 2.72 2.81	68.46 2.62 9.00	64.09 2.46 8.55	62.82 1.89 4.27	59.77 1.58 2.70	58.61 1.21 0.00
PORT_JEFF_3 23555	46.09 2.86 -2.30	44.31 2.76 -2.11	40.96 2.36 0.00	40.18 2.45 0.00	41.04 2.58 0.00	44.05 2.71 -2.69	45.68 3.14 -0.16	47.20 3.25 0.00	47.42 3.30 -1.89	42.63 2.90 0.00	46.82 3.10 0.00	47.53 2.98 0.00	46.21 2.94 0.00	45.80 2.95 0.00	46.83 3.18 0.00	53.89 3.42 -3.66	65.80 4.16 -7.64	92.17 5.20 -22.03	100.43 6.23 -16.36	95.64 5.91 -14.88	82.54 5.40 -6.95	79.48 4.82 -9.45	72.56 4.39 -7.29	67.66 3.96 -6.30



PORT_JEFF_4 23616	46.09 2.86 -2.30	44.31 2.76 -2.11	40.96 2.36 0.00	40.18 2.45 0.00	41.04 2.58 0.00	44.05 2.71 -2.69	45.68 3.14 -0.16	47.20 3.25 0.00	47.42 3.30 -1.89	42.63 2.90 0.00	46.82 3.10 0.00	47.53 2.98 0.00	46.21 2.94 0.00	45.80 2.95 0.00	46.83 3.18 0.00	53.89 3.42 -3.66	65.80 4.16 -7.64	92.17 5.20 -22.03	100.43 6.23 -16.36	95.64 5.91 -14.88	82.54 5.40 -6.95	79.48 4.82 -9.45	72.56 4.39 -7.29	67.66 3.96 -6.30
PORT_JEFF_IC 23713	46.13 2.91 -2.30	44.31 2.76 -2.11	41.00 2.39 0.00	40.19 2.45 0.00	41.15 2.69 0.00	44.06 2.71 -2.69	45.73 3.18 -0.16	47.16 3.21 0.00	47.42 3.29 -1.89	42.67 2.94 0.00	46.82 3.10 0.00	47.57 3.03 0.00	46.25 2.99 0.00	45.85 3.00 0.00	46.87 3.23 0.00	53.89 3.42 -3.66	65.74 4.10 -7.64	92.30 5.33 -22.03	100.59 6.38 -16.36	95.79 6.06 -14.88	82.68 5.54 -6.95	79.55 4.89 -9.45	72.55 4.38 -7.29	67.72 4.02 -6.30
PPL PILGRIM_ST_GT1 24216	46.13 2.91 -2.30	44.31 2.76 -2.11	40.96 2.36 0.00	40.15 2.42 0.00	41.04 2.58 0.00	44.05 2.71 -2.69	45.68 3.14 -0.16	47.20 3.25 0.00	47.42 3.30 -1.89	42.63 2.90 0.00	46.86 3.15 0.00	47.62 3.07 0.00	46.30 3.03 0.00	45.89 3.04 0.00	46.87 3.23 0.00	53.94 3.46 -3.66	65.80 4.16 -7.64	92.10 5.13 -22.03	100.20 5.99 -16.36	95.49 5.76 -14.88	82.47 5.33 -6.95	79.41 4.76 -9.45	72.43 4.26 -7.29	67.61 3.91 -6.30
PPL PILGRIM_ST_GT2 24217	46.13 2.91 -2.30	44.31 2.76 -2.11	40.96 2.36 0.00	40.15 2.42 0.00	41.04 2.58 0.00	44.05 2.71 -2.69	45.68 3.14 -0.16	47.20 3.25 0.00	47.42 3.30 -1.89	42.63 2.90 0.00	46.86 3.15 0.00	47.62 3.07 0.00	46.30 3.03 0.00	45.89 3.04 0.00	46.87 3.23 0.00	53.94 3.46 -3.66	65.80 4.16 -7.64	92.10 5.13 -22.03	100.20 5.99 -16.36	95.49 5.76 -14.88	82.47 5.33 -6.95	79.41 4.76 -9.45	72.43 4.26 -7.29	67.61 3.91 -6.30
PPL_SHRM_GT3 24213	46.13 2.91 -2.30	44.35 2.80 -2.11	41.04 2.43 0.00	40.22 2.49 0.00	41.11 2.65 0.00	44.09 2.75 -2.69	45.68 3.14 -0.16	47.20 3.25 0.00	47.42 3.30 -1.89	42.63 2.90 0.00	46.73 3.01 0.00	47.44 2.89 0.00	46.08 2.81 0.00	45.72 2.87 0.00	46.74 3.10 0.00	53.85 3.37 -3.66	65.74 4.10 -7.64	92.23 5.26 -22.03	100.59 6.38 -16.36	95.87 6.14 -14.88	82.68 5.54 -6.95	79.55 4.89 -9.45	72.68 4.51 -7.29	67.78 4.08 -6.30
PPL_SHRM_GT4 24214	46.13 2.91 -2.30	44.35 2.80 -2.11	41.04 2.43 0.00	40.22 2.49 0.00	41.11 2.65 0.00	44.09 2.75 -2.69	45.68 3.14 -0.16	47.20 3.25 0.00	47.42 3.30 -1.89	42.63 2.90 0.00	46.73 3.01 0.00	47.44 2.89 0.00	46.08 2.81 0.00	45.72 2.87 0.00	46.74 3.10 0.00	53.85 3.37 -3.66	65.74 4.10 -7.64	92.23 5.26 -22.03	100.59 6.38 -16.36	95.87 6.14 -14.88	82.68 5.54 -6.95	79.55 4.89 -9.45	72.68 4.51 -7.29	67.78 4.08 -6.30
PROJECT___ORANGE 1 24174	40.19 -0.74 0.00	38.73 -0.71 0.00	37.91 -0.69 0.00	37.09 -0.64 0.00	37.81 -0.65 0.00	38.00 -0.66 0.00	41.59 -0.81 0.00	43.16 -0.79 0.00	41.43 -0.80 0.00	38.98 -0.75 0.00	42.88 -0.83 0.00	43.74 -0.80 0.00	42.49 -0.78 0.00	42.03 -0.81 0.00	42.82 -0.83 0.00	46.02 -0.80 0.00	53.03 -0.97 0.00	63.71 -1.23 0.00	76.52 -1.32 0.00	73.43 -1.42 0.00	68.78 -1.40 0.00	63.90 -1.30 0.00	59.66 -1.22 0.00	56.37 -1.03 0.00
PROJECT___ORANGE 2 24166	40.19 -0.74 0.00	38.73 -0.71 0.00	37.91 -0.69 0.00	37.09 -0.64 0.00	37.81 -0.65 0.00	38.00 -0.66 0.00	41.59 -0.81 0.00	43.16 -0.79 0.00	41.43 -0.80 0.00	38.98 -0.75 0.00	42.88 -0.83 0.00	43.74 -0.80 0.00	42.49 -0.78 0.00	42.03 -0.81 0.00	42.82 -0.83 0.00	46.02 -0.80 0.00	53.03 -0.97 0.00	63.71 -1.23 0.00	76.52 -1.32 0.00	73.43 -1.42 0.00	68.78 -1.40 0.00	63.90 -1.30 0.00	59.66 -1.22 0.00	56.37 -1.03 0.00
PUCKETT___SOLAR 323809	41.54 0.61 0.00	40.07 0.63 0.00	39.26 0.66 0.00	38.37 0.64 0.00	39.15 0.69 0.00	39.39 0.73 0.00	43.03 0.64 0.00	44.61 0.66 0.00	42.74 0.51 0.00	40.17 0.44 0.00	44.06 0.35 0.00	44.86 0.31 0.00	43.48 0.22 0.00	43.02 0.17 0.00	43.86 0.22 0.00	47.19 0.37 0.00	54.49 0.48 0.00	66.56 0.84 -0.78	79.92 1.40 -0.67	77.09 1.05 -1.19	71.72 0.98 -0.55	66.80 0.91 -0.69	61.67 0.79 0.00	58.44 1.03 0.00
PYRITES___HYD 24023	42.44 1.51 0.00	40.78 1.34 0.00	39.80 1.20 0.00	38.83 1.09 0.00	39.54 1.08 0.00	39.74 1.08 0.00	43.45 1.06 0.00	45.09 1.14 0.00	43.25 1.01 0.00	40.49 0.75 0.00	44.72 1.01 0.00	45.61 1.07 0.00	44.39 1.12 0.00	43.96 1.11 0.00	44.78 1.13 0.00	48.13 1.31 0.00	55.41 1.40 0.00	66.24 1.30 0.00	79.32 1.48 0.00	76.57 1.72 0.00	72.01 1.82 0.00	67.55 2.35 0.00	63.38 2.50 0.00	59.76 2.35 0.00
QUAKERRD_115KV_BK1 80622	38.71 -2.21 0.00	37.31 -2.13 0.00	36.48 -2.12 0.00	35.70 -2.04 0.00	36.46 -2.00 0.00	36.73 -1.93 0.00	39.85 -2.54 0.00	41.44 -2.50 0.00	39.66 -2.58 0.00	37.23 -2.50 0.00	40.87 -2.84 0.00	41.69 -2.85 0.00	40.46 -2.81 0.00	40.10 -2.74 0.00	40.85 -2.79 0.00	43.91 -2.90 0.00	50.44 -3.56 0.00	60.33 -4.61 0.00	72.70 -5.14 0.00	69.53 -5.31 0.00	65.06 -5.12 0.00	60.70 -4.50 0.00	57.05 -3.84 0.00	54.30 -3.10 0.00
QUEENSBRY_115KV_TB8 356137	44.61 3.68 0.00	42.95 3.51 0.00	42.04 3.44 0.00	41.05 3.32 0.00	41.81 3.35 0.00	42.14 3.48 0.00	46.33 3.94 0.00	47.99 4.04 0.00	46.04 3.80 0.00	43.15 3.42 0.00	47.56 3.85 0.00	48.69 4.14 0.00	46.99 3.72 0.00	46.70 3.86 0.00	47.66 4.02 0.00	51.26 4.45 0.00	59.73 5.72 0.00	86.21 7.27 -13.99	98.64 8.64 -12.16	104.61 8.23 -21.53	87.79 7.65 -9.95	84.88 7.30 -12.37	67.52 6.64 0.00	63.54 6.14 0.00
RAMAPO___LBMP 323565	42.15 1.23 0.00	40.66 1.22 0.00	39.76 1.16 0.00	38.90 1.17 0.00	39.65 1.19 0.00	39.86 1.20 0.00	43.79 1.40 0.00	45.31 1.36 0.00	43.71 1.48 0.00	41.20 1.47 0.00	45.25 1.53 0.00	46.06 1.51 0.00	44.78 1.51 0.00	44.35 1.50 0.00	45.13 1.48 0.00	48.27 1.45 0.00	55.57 1.57 0.00	68.36 2.08 -1.33	77.17 2.41 3.09	67.42 2.32 9.75	63.17 2.18 9.19	62.25 1.70 4.64	59.29 1.28 2.87	58.44 1.03 0.00
RANKINE____ 23646	39.21 -1.72 0.00	37.82 -1.62 0.00	36.98 -1.62 0.00	36.15 -1.58 0.00	37.04 -1.42 0.00	37.38 -1.28 0.00	40.02 -2.37 0.00	41.53 -2.42 0.00	39.53 -2.70 0.00	37.15 -2.58 0.00	40.48 -3.23 0.00	41.25 -3.30 0.00	40.02 -3.25 0.00	39.76 -3.09 0.00	40.42 -3.23 0.00	43.40 -3.42 0.00	49.63 -4.37 0.00	58.97 -5.97 0.00	71.07 -6.77 0.00	67.89 -6.96 0.00	63.80 -6.39 0.00	59.92 -5.28 0.00	56.56 -4.32 0.00	54.65 -2.76 0.00
RAVENSWOOD_GT2_1 24244	42.72 1.80 0.00	41.13 1.70 0.00	40.18 1.58 0.00	39.28 1.55 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.38 1.99 0.00	45.97 2.02 0.00	44.39 2.15 0.00	41.92 2.19 0.00	46.03 2.32 0.00	46.91 2.36 0.00	45.56 2.29 0.00	45.12 2.27 0.00	45.91 2.27 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.61 3.25 -1.42	85.35 3.81 -3.69	87.55 3.67 -9.03	80.59 3.51 -6.89	72.64 2.80 -4.63	64.93 2.37 -1.67	59.47 2.07 0.00



RAVENSWOOD_GT2_2 24245	42.72 1.80 0.00	41.13 1.70 0.00	40.18 1.58 0.00	39.28 1.55 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.38 1.99 0.00	45.97 2.02 0.00	44.39 2.15 0.00	41.92 2.19 0.00	46.03 2.32 0.00	46.91 2.36 0.00	45.56 2.29 0.00	45.12 2.27 0.00	45.91 2.27 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.61 3.25 -1.42	85.35 3.81 -3.69	87.55 3.67 -9.03	80.59 3.51 -6.89	72.64 2.80 -4.63	64.93 2.37 -1.67	59.47 2.07 0.00
RAVENSWOOD_GT2_3 24246	42.77 1.84 0.00	41.17 1.74 0.00	40.18 1.58 0.00	39.32 1.58 0.00	40.11 1.65 0.00	40.28 1.62 0.00	44.43 2.03 0.00	45.97 2.02 0.00	44.43 2.20 0.00	41.92 2.19 0.00	46.03 2.32 0.00	46.91 2.36 0.00	45.60 2.34 0.00	45.12 2.27 0.00	45.91 2.27 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.61 3.25 -1.42	85.35 3.81 -3.69	87.62 3.74 -9.03	80.59 3.51 -6.89	72.70 2.87 -4.63	64.99 2.44 -1.67	59.53 2.12 0.00
RAVENSWOOD_GT2_4 24247	42.77 1.84 0.00	41.17 1.74 0.00	40.18 1.58 0.00	39.32 1.58 0.00	40.11 1.65 0.00	40.28 1.62 0.00	44.43 2.03 0.00	45.97 2.02 0.00	44.43 2.20 0.00	41.92 2.19 0.00	46.03 2.32 0.00	46.91 2.36 0.00	45.60 2.34 0.00	45.12 2.27 0.00	45.91 2.27 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.61 3.25 -1.42	85.35 3.81 -3.69	87.62 3.74 -9.03	80.59 3.51 -6.89	72.70 2.87 -4.63	64.99 2.44 -1.67	59.53 2.12 0.00
RAVENSWOOD_GT3_1 24248	42.72 1.80 0.00	41.13 1.70 0.00	40.18 1.58 0.00	39.28 1.55 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.38 1.99 0.00	45.97 2.02 0.00	44.39 2.15 0.00	41.92 2.19 0.00	46.03 2.32 0.00	46.91 2.36 0.00	45.56 2.29 0.00	45.12 2.27 0.00	45.91 2.27 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.61 3.25 -1.42	85.35 3.81 -3.69	87.55 3.67 -9.03	80.59 3.51 -6.89	72.64 2.80 -4.63	64.93 2.37 -1.67	59.47 2.07 0.00
RAVENSWOOD_GT3_2 24249	42.72 1.80 0.00	41.13 1.70 0.00	40.18 1.58 0.00	39.28 1.55 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.38 1.99 0.00	45.97 2.02 0.00	44.39 2.15 0.00	41.92 2.19 0.00	46.03 2.32 0.00	46.91 2.36 0.00	45.56 2.29 0.00	45.12 2.27 0.00	45.91 2.27 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.61 3.25 -1.42	85.35 3.81 -3.69	87.55 3.67 -9.03	80.59 3.51 -6.89	72.64 2.80 -4.63	64.93 2.37 -1.67	59.47 2.07 0.00
RAVENSWOOD_GT3_3 24250	42.81 1.88 0.00	41.21 1.77 0.00	40.22 1.62 0.00	39.36 1.62 0.00	40.15 1.69 0.00	40.32 1.66 0.00	44.47 2.08 0.00	46.06 2.11 0.00	44.47 2.24 0.00	41.96 2.22 0.00	46.08 2.36 0.00	46.95 2.41 0.00	45.65 2.38 0.00	45.16 2.31 0.00	45.96 2.31 0.00	49.11 2.29 0.00	56.65 2.65 0.00	69.74 3.38 -1.42	85.43 3.89 -3.69	87.70 3.82 -9.03	80.66 3.58 -6.89	72.77 2.93 -4.63	65.05 2.50 -1.67	59.58 2.18 0.00
RAVENSWOOD_GT3_4 24251	42.81 1.88 0.00	41.21 1.77 0.00	40.22 1.62 0.00	39.36 1.62 0.00	40.15 1.69 0.00	40.32 1.66 0.00	44.47 2.08 0.00	46.06 2.11 0.00	44.47 2.24 0.00	41.96 2.22 0.00	46.08 2.36 0.00	46.95 2.41 0.00	45.65 2.38 0.00	45.16 2.31 0.00	45.96 2.31 0.00	49.11 2.29 0.00	56.65 2.65 0.00	69.74 3.38 -1.42	85.43 3.89 -3.69	87.70 3.82 -9.03	80.66 3.58 -6.89	72.77 2.93 -4.63	65.05 2.50 -1.67	59.58 2.18 0.00
RAVENSWOOD_GT_1 23729	45.15 2.05 -2.18	43.65 1.89 -2.32	42.85 1.78 -2.47	39.42 1.66 -0.03	40.22 1.73 -0.03	40.39 1.70 -0.03	46.58 2.20 -1.98	47.86 2.20 -1.72	46.66 2.37 -2.06	44.59 2.38 -2.48	47.96 2.54 -1.71	48.83 2.58 -1.70	48.01 2.55 -2.19	47.64 2.49 -2.31	47.97 2.49 -1.83	50.71 2.48 -1.41	57.20 2.81 -0.39	69.87 3.51 -1.42	85.58 4.05 -3.69	87.93 4.04 -9.04	80.94 3.86 -6.90	72.83 3.00 -4.63	65.17 2.62 -1.67	60.15 2.41 -0.34
RAVENSWOOD_GT_10 24258	42.72 1.80 0.00	41.13 1.70 0.00	40.18 1.58 0.00	39.28 1.55 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.38 1.99 0.00	45.97 2.02 0.00	44.39 2.15 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.53 2.29 0.03	45.12 2.23 -0.04	45.91 2.27 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.61 3.25 -1.42	85.35 3.81 -3.69	87.55 3.67 -9.03	80.52 3.44 -6.89	72.64 2.80 -4.63	64.93 2.37 -1.67	59.47 2.07 0.00
RAVENSWOOD_GT_11 24259	42.72 1.80 0.00	41.13 1.70 0.00	40.18 1.58 0.00	39.28 1.55 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.38 1.99 0.00	45.97 2.02 0.00	44.39 2.15 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.53 2.29 0.03	45.12 2.23 -0.04	45.91 2.27 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.61 3.25 -1.42	85.35 3.81 -3.69	87.55 3.67 -9.03	80.52 3.44 -6.89	72.64 2.80 -4.63	64.93 2.37 -1.67	59.47 2.07 0.00
RAVENSWOOD_GT_4 24252	44.33 1.76 -1.65	42.86 1.66 -1.77	42.03 1.54 -1.88	39.30 1.55 -0.02	40.10 1.62 -0.02	40.31 1.62 -0.02	45.89 1.99 -1.51	47.23 1.98 -1.31	45.95 2.15 -1.57	43.76 2.15 -1.89	47.25 2.23 -1.30	48.16 2.32 -1.30	46.71 2.25 -1.19	46.80 2.23 -1.72	47.27 2.23 -1.40	50.09 2.20 -1.08	56.78 2.48 -0.30	69.54 3.18 -1.42	85.27 3.74 -3.69	87.48 3.59 -9.04	80.52 3.44 -6.90	72.64 2.80 -4.63	64.93 2.37 -1.67	59.66 2.01 -0.24
RAVENSWOOD_GT_5 24254	44.33 1.76 -1.65	42.86 1.66 -1.77	42.03 1.54 -1.88	39.30 1.55 -0.02	40.10 1.62 -0.02	40.31 1.62 -0.02	45.89 1.99 -1.51	47.23 1.98 -1.31	45.95 2.15 -1.57	43.76 2.15 -1.89	47.25 2.23 -1.30	48.16 2.32 -1.30	46.71 2.25 -1.19	46.80 2.23 -1.72	47.27 2.23 -1.40	50.09 2.20 -1.08	56.78 2.48 -0.30	69.54 3.18 -1.42	85.27 3.74 -3.69	87.48 3.59 -9.04	80.52 3.44 -6.90	72.64 2.80 -4.63	64.93 2.37 -1.67	59.66 2.01 -0.24
RAVENSWOOD_GT_6 24253	44.33 1.76 -1.65	42.86 1.66 -1.77	42.03 1.54 -1.88	39.30 1.55 -0.02	40.10 1.62 -0.02	40.31 1.62 -0.02	45.89 1.99 -1.51	47.23 1.98 -1.31	45.95 2.15 -1.57	43.76 2.15 -1.89	47.25 2.23 -1.30	48.16 2.32 -1.30	46.71 2.25 -1.19	46.80 2.23 -1.72	47.27 2.23 -1.40	50.09 2.20 -1.08	56.78 2.48 -0.30	69.54 3.18 -1.42	85.27 3.74 -3.69	87.48 3.59 -9.04	80.52 3.44 -6.90	72.64 2.80 -4.63	64.93 2.37 -1.67	59.66 2.01 -0.24
RAVENSWOOD_GT_7 24255	44.33 1.76 -1.65	42.86 1.66 -1.77	42.03 1.54 -1.88	39.30 1.55 -0.02	40.10 1.62 -0.02	40.31 1.62 -0.02	45.89 1.99 -1.51	47.23 1.98 -1.31	45.95 2.15 -1.57	43.76 2.15 -1.89	47.25 2.23 -1.30	48.16 2.32 -1.30	46.71 2.25 -1.19	46.80 2.23 -1.72	47.27 2.23 -1.40	50.09 2.20 -1.08	56.78 2.48 -0.30	69.54 3.18 -1.42	85.27 3.74 -3.69	87.48 3.59 -9.04	80.52 3.44 -6.90	72.64 2.80 -4.63	64.93 2.37 -1.67	59.66 2.01 -0.24
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	42.72 1.80 0.00	41.13 1.70 0.00	40.18 1.58 0.00	39.28 1.55 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.38 1.99 0.00	45.97 2.02 0.00	44.39 2.15 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.53 2.29 0.03	45.12 2.23 -0.04	45.91 2.27 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.61 3.25 -1.42	85.35 3.81 -3.69	87.55 3.67 -9.03	80.52 3.44 -6.89	72.64 2.80 -4.63	64.93 2.37 -1.67	59.47 2.07 0.00



RAVENSWOOD_GT_9 24257	42.72 1.80 0.00	41.13 1.70 0.00	40.18 1.58 0.00	39.28 1.55 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.38 1.99 0.00	45.97 2.02 0.00	44.39 2.15 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.53 2.29 0.03	45.12 2.23 -0.04	45.91 2.27 0.00	49.06 2.25 0.00	56.54 2.54 0.00	69.61 3.25 -1.42	85.35 3.81 -3.69	87.55 3.67 -9.03	80.52 3.44 -6.89	72.64 2.80 -4.63	64.93 2.37 -1.67	59.47 2.07 0.00
RAVENSWOOD___1 23533	42.90 1.96 -0.01	41.17 1.73 0.00	40.19 1.58 0.00	39.32 1.58 0.00	40.15 1.69 0.00	40.36 1.70 0.00	44.43 2.03 0.00	46.10 2.15 0.00	44.51 2.28 0.00	42.04 2.30 0.00	46.12 2.40 0.00	46.95 2.40 0.00	46.00 2.42 -0.31	45.69 2.36 -0.48	46.04 2.40 0.00	49.16 2.34 0.00	56.65 2.65 0.00	69.80 3.44 -1.42	85.58 4.05 -3.69	87.92 4.04 -9.03	80.86 3.79 -6.89	72.83 3.00 -4.63	65.17 2.62 -1.67	59.65 2.24 -0.01
RAVENSWOOD___2 23534	42.86 1.92 -0.01	41.17 1.73 0.00	40.19 1.58 0.00	39.32 1.58 0.00	40.15 1.69 0.00	40.32 1.66 0.00	44.38 1.99 0.00	46.06 2.11 0.00	44.51 2.28 0.00	42.00 2.26 0.00	46.07 2.36 0.00	46.95 2.40 0.00	46.00 2.42 -0.31	45.69 2.36 -0.49	46.00 2.36 0.00	49.16 2.34 0.00	56.65 2.65 0.00	69.80 3.44 -1.42	85.50 3.97 -3.69	87.84 3.96 -9.03	80.86 3.79 -6.89	72.77 2.94 -4.63	65.11 2.56 -1.67	59.65 2.24 -0.01
RAVENSWOOD___3 23535	42.77 1.84 0.00	41.13 1.69 0.00	40.19 1.58 0.00	39.28 1.55 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.43 2.03 0.00	46.06 2.11 0.00	44.43 2.19 0.00	41.96 2.22 0.00	46.03 2.32 0.00	46.86 2.31 0.00	45.56 2.29 0.00	45.12 2.27 0.00	45.91 2.27 0.00	49.11 2.29 0.00	56.65 2.65 0.00	69.61 3.25 -1.42	85.35 3.81 -3.69	87.54 3.67 -9.03	80.58 3.51 -6.89	72.64 2.80 -4.63	64.99 2.44 -1.67	59.47 2.06 0.00
RAVENSWOOD___4 23820	40.71 1.92 2.13	38.88 1.73 2.29	37.75 1.58 2.43	39.25 1.55 0.03	40.12 1.69 0.03	40.29 1.66 0.03	42.43 1.99 1.95	44.36 2.11 1.69	42.45 2.24 2.03	39.56 2.26 2.44	44.39 2.36 1.68	45.27 2.40 1.68	44.10 2.38 1.54	43.89 2.36 1.31	44.19 2.36 1.81	47.76 2.34 1.39	56.26 2.65 0.38	69.74 3.38 -1.42	85.50 3.97 -3.69	87.83 3.96 -9.02	80.86 3.79 -6.88	72.77 2.94 -4.63	65.11 2.56 -1.67	59.27 2.18 0.32
RCPL_TRUST___DRP 24196	42.68 1.76 0.00	41.13 1.70 0.00	40.15 1.54 0.00	39.28 1.55 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.38 1.99 0.00	45.97 2.02 0.00	44.39 2.15 0.00	41.92 2.19 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.56 2.29 0.00	45.08 2.23 0.00	45.87 2.23 0.00	49.02 2.20 0.00	56.54 2.54 0.00	69.67 3.31 -1.42	85.44 3.89 -3.70	87.57 3.67 -9.06	80.61 3.51 -6.92	72.72 2.87 -4.65	64.99 2.44 -1.68	59.47 2.07 0.00
RED___ROCHESTER 323720	39.53 -1.39 0.00	38.10 -1.34 0.00	37.29 -1.31 0.00	36.45 -1.28 0.00	37.23 -1.23 0.00	37.54 -1.12 0.00	40.65 -1.74 0.00	42.14 -1.80 0.00	40.38 -1.86 0.00	37.94 -1.79 0.00	41.62 -2.10 0.00	42.50 -2.05 0.00	41.19 -2.08 0.00	40.88 -1.97 0.00	41.51 -2.14 0.00	44.62 -2.20 0.00	51.09 -2.92 0.00	61.37 -3.57 0.00	74.03 -3.81 0.00	70.73 -4.12 0.00	66.19 -4.00 0.00	61.88 -3.32 0.00	58.02 -2.86 0.00	55.45 -1.95 0.00
REGAN___SOLAR 323812	43.67 2.74 0.00	42.00 2.56 0.00	41.11 2.51 0.00	40.15 2.42 0.00	40.92 2.46 0.00	41.21 2.55 0.00	45.27 2.88 0.00	46.89 2.94 0.00	44.85 2.62 0.00	41.96 2.22 0.00	46.07 2.36 0.00	46.99 2.45 0.00	45.47 2.21 0.00	45.25 2.40 0.00	46.18 2.53 0.00	49.72 2.90 0.00	57.89 3.89 0.00	84.50 5.13 -14.42	96.68 6.30 -12.54	103.19 6.14 -22.20	86.21 5.76 -10.27	83.44 5.48 -12.76	65.81 4.93 0.00	62.00 4.59 0.00
RENSSELAER___COGEN 23796	41.58 0.65 0.00	40.11 0.67 0.00	39.30 0.70 0.00	38.41 0.68 0.00	39.15 0.69 0.00	39.32 0.66 0.00	43.19 0.80 0.00	44.74 0.79 0.00	43.00 0.76 0.00	40.45 0.72 0.00	44.85 1.13 0.00	45.79 1.25 0.00	44.39 1.12 0.00	44.00 1.16 0.00	44.87 1.22 0.00	48.13 1.31 0.00	55.68 1.68 0.00	73.49 1.88 -6.66	85.81 2.18 -5.79	87.20 2.09 -10.25	77.03 2.10 -4.74	72.92 1.82 -5.89	62.65 1.77 0.00	58.95 1.55 0.00
REPUBLIC_115KV_BARTNBRK 55605	46.20 5.28 0.00	44.49 5.05 0.00	43.54 4.94 0.00	42.49 4.75 0.00	43.23 4.77 0.00	43.61 4.95 0.00	48.03 5.64 0.00	49.66 5.71 0.00	47.56 5.32 0.00	44.46 4.73 0.00	49.05 5.33 0.00	50.34 5.79 0.00	48.42 5.15 0.00	48.12 5.27 0.00	49.19 5.54 0.00	53.00 6.18 0.00	61.94 7.94 0.00	89.09 10.20 -13.94	102.18 12.22 -12.12	108.13 11.83 -21.46	91.13 11.02 -9.92	87.90 10.37 -12.34	70.38 9.50 0.00	66.18 8.78 0.00
REVERE_CPPR_DRP 24186	42.19 1.27 0.00	40.58 1.14 0.00	39.72 1.12 0.00	38.79 1.06 0.00	39.50 1.04 0.00	39.74 1.08 0.00	43.54 1.14 0.00	45.18 1.23 0.00	43.42 1.18 0.00	40.77 1.03 0.00	44.81 1.09 0.00	45.66 1.11 0.00	44.35 1.08 0.00	43.83 0.99 0.00	44.69 1.05 0.00	48.08 1.26 0.00	55.68 1.67 0.00	67.15 2.21 0.00	81.11 3.27 0.00	77.77 2.92 0.00	72.99 2.81 0.00	67.81 2.61 0.00	63.14 2.25 0.00	59.47 2.07 0.00
REYNOLDS_115KV_TB3 80639	42.19 1.27 0.00	40.78 1.34 0.00	39.91 1.31 0.00	39.02 1.28 0.00	39.77 1.31 0.00	39.97 1.31 0.00	43.87 1.48 0.00	45.40 1.45 0.00	43.71 1.48 0.00	41.16 1.43 0.00	45.46 1.75 0.00	46.37 1.83 0.00	45.00 1.73 0.00	44.60 1.76 0.00	45.43 1.79 0.00	48.74 1.92 0.00	56.27 2.27 0.00	76.92 2.79 -9.18	89.09 3.27 -7.98	92.13 3.14 -14.14	79.67 2.95 -6.54	75.93 2.61 -8.13	63.26 2.37 0.00	59.53 2.12 0.00
RIVERBAY____ 323610	43.10 2.17 -0.01	41.41 1.97 0.00	40.42 1.81 0.00	39.43 1.70 0.00	40.23 1.77 0.00	40.36 1.70 0.00	44.55 2.16 0.00	46.10 2.15 0.00	44.56 2.32 0.00	42.08 2.34 0.00	46.16 2.45 0.00	47.04 2.49 0.00	45.73 2.47 0.01	45.28 2.44 0.01	46.09 2.44 0.00	49.20 2.39 0.00	56.70 2.70 0.00	69.74 3.38 -1.42	85.50 3.97 -3.69	87.92 4.04 -9.03	80.87 3.79 -6.89	72.83 3.00 -4.63	65.17 2.62 -1.67	59.99 2.58 -0.01
RIVERSDE_115KV_TB3 55908	41.82 0.90 0.00	40.38 0.95 0.00	39.57 0.97 0.00	38.68 0.94 0.00	39.42 0.96 0.00	39.59 0.93 0.00	43.49 1.10 0.00	45.00 1.05 0.00	43.29 1.06 0.00	40.77 1.03 0.00	45.16 1.44 0.00	46.10 1.56 0.00	44.70 1.43 0.00	44.30 1.46 0.00	45.13 1.48 0.00	48.41 1.59 0.00	56.00 2.00 0.00	76.09 2.40 -8.75	88.16 2.72 -7.60	90.93 2.62 -13.46	78.94 2.53 -6.22	75.16 2.22 -7.74	62.95 2.07 0.00	59.24 1.84 0.00
ROARING___BROOK_WT_PWR 323790	40.23 -0.70 0.00	38.77 -0.67 0.00	37.95 -0.66 0.00	37.09 -0.64 0.00	37.81 -0.65 0.00	38.00 -0.66 0.00	41.71 -0.68 0.00	43.29 -0.66 0.00	41.60 -0.63 0.00	39.09 -0.64 0.00	43.06 -0.65 0.00	43.88 -0.67 0.00	42.62 -0.65 0.00	42.25 -0.60 0.00	43.03 -0.61 0.00	46.16 -0.66 0.00	53.30 -0.70 0.00	64.17 -0.78 0.00	76.91 -0.93 0.00	74.10 -0.75 0.00	69.55 -0.63 0.00	64.75 -0.45 0.00	60.58 -0.30 0.00	57.12 -0.29 0.00



ROCHESRG_115KV_T4 355643	39.21 -1.72 0.00	37.74 -1.70 0.00	36.94 -1.66 0.00	36.11 -1.62 0.00	36.88 -1.58 0.00	37.19 -1.47 0.00	40.23 -2.16 0.00	41.84 -2.11 0.00	40.00 -2.24 0.00	37.55 -2.19 0.00	41.14 -2.58 0.00	41.96 -2.58 0.00	40.71 -2.55 0.00	40.40 -2.44 0.00	41.11 -2.53 0.00	44.19 -2.62 0.00	50.65 -3.35 0.00	60.53 -4.42 0.00	72.94 -4.90 0.00	69.68 -5.16 0.00	65.27 -4.91 0.00	61.03 -4.17 0.00	57.41 -3.47 0.00	54.76 -2.64 0.00
ROCHESTER_9_IC 23652	39.41 -1.51 0.00	37.94 -1.50 0.00	37.14 -1.47 0.00	36.30 -1.43 0.00	37.08 -1.38 0.00	37.38 -1.28 0.00	40.44 -1.95 0.00	42.10 -1.85 0.00	40.21 -2.03 0.00	37.75 -1.99 0.00	41.40 -2.32 0.00	42.27 -2.27 0.00	40.97 -2.29 0.00	40.66 -2.19 0.00	41.38 -2.27 0.00	44.48 -2.34 0.00	50.98 -3.02 0.00	60.98 -3.96 0.00	73.48 -4.36 0.00	70.21 -4.64 0.00	65.76 -4.42 0.00	61.48 -3.72 0.00	57.78 -3.11 0.00	55.16 -2.24 0.00
ROCKVIEW_13_KV_LD 356306	42.77 1.84 0.00	41.21 1.77 0.00	40.22 1.62 0.00	39.36 1.62 0.00	40.15 1.69 0.00	40.36 1.70 0.00	44.43 2.03 0.00	46.01 2.07 0.00	44.43 2.20 0.00	41.88 2.15 0.00	45.99 2.27 0.00	46.91 2.36 0.00	45.56 2.29 0.00	45.12 2.27 0.00	45.91 2.27 0.00	49.11 2.29 0.00	56.65 2.65 0.00	69.80 3.44 -1.42	85.58 4.05 -3.70	87.78 3.89 -9.04	80.73 3.65 -6.90	72.84 3.00 -4.64	65.05 2.50 -1.67	59.53 2.12 0.00
ROME____115KV_TB2 80656	42.19 1.27 0.00	40.58 1.14 0.00	39.72 1.12 0.00	38.79 1.06 0.00	39.50 1.04 0.00	39.74 1.08 0.00	43.54 1.14 0.00	45.18 1.23 0.00	43.42 1.18 0.00	40.77 1.03 0.00	44.81 1.09 0.00	45.66 1.11 0.00	44.35 1.08 0.00	43.83 0.99 0.00	44.69 1.05 0.00	48.08 1.26 0.00	55.68 1.67 0.00	67.15 2.21 0.00	81.11 3.27 0.00	77.77 2.92 0.00	72.99 2.81 0.00	67.81 2.61 0.00	63.14 2.25 0.00	59.47 2.07 0.00
ROSETON___1 23587	42.32 1.39 0.00	40.78 1.34 0.00	39.84 1.23 0.00	38.98 1.24 0.00	39.73 1.27 0.00	39.93 1.27 0.00	43.91 1.52 0.00	45.53 1.58 0.00	43.84 1.60 0.00	41.36 1.63 0.00	45.47 1.75 0.00	46.28 1.74 0.00	45.00 1.73 0.00	44.56 1.72 0.00	45.39 1.75 0.00	48.59 1.78 0.00	56.05 2.05 0.00	68.84 2.53 -1.36	81.98 2.96 -1.18	79.86 2.92 -2.10	73.82 2.67 -0.97	68.63 2.22 -1.21	62.77 1.89 0.00	58.95 1.55 0.00
ROSETON___2 23588	42.32 1.39 0.00	40.78 1.34 0.00	39.84 1.23 0.00	38.98 1.24 0.00	39.73 1.27 0.00	39.93 1.27 0.00	43.91 1.52 0.00	45.53 1.58 0.00	43.84 1.60 0.00	41.36 1.63 0.00	45.47 1.75 0.00	46.28 1.74 0.00	45.00 1.73 0.00	44.56 1.72 0.00	45.39 1.75 0.00	48.59 1.78 0.00	56.05 2.05 0.00	68.84 2.53 -1.36	81.98 2.96 -1.18	79.86 2.92 -2.10	73.82 2.67 -0.97	68.63 2.22 -1.21	62.77 1.89 0.00	58.95 1.55 0.00
ROTRRDAM_115KV_TB3 80664	42.03 1.10 0.00	40.50 1.06 0.00	39.68 1.08 0.00	38.79 1.06 0.00	39.54 1.08 0.00	39.70 1.04 0.00	43.62 1.23 0.00	45.13 1.19 0.00	43.38 1.14 0.00	40.80 1.07 0.00	44.94 1.22 0.00	45.79 1.25 0.00	44.48 1.21 0.00	44.05 1.20 0.00	44.91 1.27 0.00	48.17 1.36 0.00	55.73 1.73 0.00	82.97 2.21 -15.82	94.15 2.57 -13.75	101.74 2.54 -24.34	83.76 2.32 -11.26	81.28 2.09 -13.99	62.77 1.89 0.00	59.12 1.72 0.00
RUSSELL___1 23602	39.57 -1.35 0.00	38.14 -1.30 0.00	37.29 -1.31 0.00	36.45 -1.28 0.00	37.23 -1.23 0.00	37.54 -1.12 0.00	40.65 -1.74 0.00	42.32 -1.63 0.00	40.42 -1.82 0.00	37.94 -1.79 0.00	41.62 -2.10 0.00	42.50 -2.05 0.00	41.19 -2.08 0.00	40.88 -1.97 0.00	41.59 -2.05 0.00	44.76 -2.06 0.00	51.30 -2.70 0.00	61.37 -3.57 0.00	74.03 -3.81 0.00	70.73 -4.12 0.00	66.18 -4.00 0.00	61.88 -3.33 0.00	58.14 -2.74 0.00	55.45 -1.95 0.00
RUSSELL___2 23532	39.57 -1.35 0.00	38.14 -1.30 0.00	37.29 -1.31 0.00	36.45 -1.28 0.00	37.23 -1.23 0.00	37.54 -1.12 0.00	40.65 -1.74 0.00	42.32 -1.63 0.00	40.42 -1.82 0.00	37.94 -1.79 0.00	41.62 -2.10 0.00	42.50 -2.05 0.00	41.19 -2.08 0.00	40.88 -1.97 0.00	41.59 -2.05 0.00	44.76 -2.06 0.00	51.30 -2.70 0.00	61.37 -3.57 0.00	74.03 -3.81 0.00	70.73 -4.12 0.00	66.18 -4.00 0.00	61.88 -3.33 0.00	58.14 -2.74 0.00	55.45 -1.95 0.00
RUSSELL___3 23549	39.57 -1.35 0.00	38.14 -1.30 0.00	37.29 -1.31 0.00	36.45 -1.28 0.00	37.23 -1.23 0.00	37.54 -1.12 0.00	40.65 -1.74 0.00	42.32 -1.63 0.00	40.42 -1.82 0.00	37.94 -1.79 0.00	41.62 -2.10 0.00	42.50 -2.05 0.00	41.19 -2.08 0.00	40.88 -1.97 0.00	41.59 -2.05 0.00	44.76 -2.06 0.00	51.30 -2.70 0.00	61.37 -3.57 0.00	74.03 -3.81 0.00	70.73 -4.12 0.00	66.18 -4.00 0.00	61.88 -3.33 0.00	58.14 -2.74 0.00	55.45 -1.95 0.00
RUSSELL___4 23556	39.57 -1.35 0.00	38.14 -1.30 0.00	37.29 -1.31 0.00	36.45 -1.28 0.00	37.23 -1.23 0.00	37.54 -1.12 0.00	40.65 -1.74 0.00	42.32 -1.63 0.00	40.42 -1.82 0.00	37.94 -1.79 0.00	41.62 -2.10 0.00	42.50 -2.05 0.00	41.19 -2.08 0.00	40.88 -1.97 0.00	41.59 -2.05 0.00	44.76 -2.06 0.00	51.30 -2.70 0.00	61.37 -3.57 0.00	74.03 -3.81 0.00	70.73 -4.12 0.00	66.18 -4.00 0.00	61.88 -3.33 0.00	58.14 -2.74 0.00	55.45 -1.95 0.00
RUSSELL___STATION 23914	39.57 -1.35 0.00	38.14 -1.30 0.00	37.29 -1.31 0.00	36.45 -1.28 0.00	37.23 -1.23 0.00	37.54 -1.12 0.00	40.65 -1.74 0.00	42.32 -1.63 0.00	40.42 -1.82 0.00	37.94 -1.79 0.00	41.62 -2.10 0.00	42.50 -2.05 0.00	41.19 -2.08 0.00	40.88 -1.97 0.00	41.59 -2.05 0.00	44.76 -2.06 0.00	51.30 -2.70 0.00	61.37 -3.57 0.00	74.03 -3.81 0.00	70.73 -4.12 0.00	66.18 -4.00 0.00	61.88 -3.33 0.00	58.14 -2.74 0.00	55.45 -1.95 0.00
S SALMON___HYD 24043	41.05 0.12 0.00	39.52 0.08 0.00	38.64 0.04 0.00	37.77 0.04 0.00	38.50 0.04 0.00	38.66 0.00 0.00	42.22 -0.17 0.00	43.86 -0.09 0.00	42.07 -0.17 0.00	39.53 -0.20 0.00	43.54 -0.17 0.00	44.32 -0.22 0.00	43.10 -0.17 0.00	42.59 -0.26 0.00	43.38 -0.26 0.00	46.72 -0.09 0.00	53.89 -0.11 0.00	64.94 0.00 0.00	78.46 0.62 0.00	75.38 0.53 0.00	70.82 0.63 0.00	65.85 0.65 0.00	61.37 0.48 0.00	57.92 0.52 0.00
S.PERRY__115KV_TB1 80734	40.51 -0.41 0.00	39.08 -0.35 0.00	38.22 -0.39 0.00	37.36 -0.38 0.00	38.19 -0.27 0.00	38.54 -0.12 0.00	41.67 -0.72 0.00	43.24 -0.70 0.00	41.05 -1.18 0.00	38.38 -1.35 0.00	41.84 -1.88 0.00	42.59 -1.96 0.00	41.15 -2.12 0.00	40.70 -2.14 0.00	41.51 -2.14 0.00	44.66 -2.15 0.00	51.46 -2.54 0.00	62.09 -2.86 0.00	75.66 -2.18 0.00	72.75 -2.10 0.00	68.29 -1.90 0.00	63.77 -1.43 0.00	59.91 -0.97 0.00	57.17 -0.23 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	38.76 -2.17 0.00	37.35 -2.09 0.00	36.56 -2.05 0.00	35.73 -2.00 0.00	36.58 -1.88 0.00	36.92 -1.74 0.00	39.47 -2.92 0.00	41.05 -2.90 0.00	39.03 -3.21 0.00	36.67 -3.06 0.00	39.96 -3.76 0.00	40.76 -3.79 0.00	39.50 -3.76 0.00	39.29 -3.56 0.00	39.93 -3.71 0.00	42.84 -3.98 0.00	48.93 -5.08 0.00	58.06 -6.88 0.00	69.90 -7.94 0.00	66.76 -8.08 0.00	62.68 -7.51 0.00	58.88 -6.32 0.00	55.71 -5.18 0.00	53.79 -3.62 0.00



SAWYER___23_KV_LOAD 55526	38.76 -2.17 0.00	37.35 -2.09 0.00	36.56 -2.05 0.00	35.73 -2.00 0.00	36.58 -1.88 0.00	36.92 -1.74 0.00	39.47 -2.92 0.00	41.05 -2.90 0.00	39.03 -3.21 0.00	36.67 -3.06 0.00	39.96 -3.76 0.00	40.76 -3.79 0.00	39.50 -3.76 0.00	39.29 -3.56 0.00	39.93 -3.71 0.00	42.84 -3.98 0.00	48.93 -5.08 0.00	58.06 -6.88 0.00	69.90 -7.94 0.00	66.76 -8.08 0.00	62.68 -7.51 0.00	58.88 -6.32 0.00	55.71 -5.18 0.00	53.79 -3.62 0.00
SELKIRK___I 23801	41.99 1.06 0.00	40.50 1.07 0.00	39.68 1.08 0.00	38.79 1.06 0.00	39.50 1.04 0.00	39.66 1.00 0.00	43.54 1.14 0.00	45.05 1.10 0.00	43.21 0.97 0.00	40.61 0.87 0.00	44.90 1.18 0.00	45.84 1.29 0.00	44.44 1.17 0.00	44.05 1.20 0.00	44.91 1.27 0.00	48.22 1.40 0.00	55.84 1.84 0.00	72.26 2.14 -5.17	84.83 2.49 -4.50	85.28 2.47 -7.96	76.26 2.39 -3.68	71.86 2.09 -4.58	62.95 2.07 0.00	59.29 1.89 0.00
SELKIRK___II 23799	41.70 0.78 0.00	40.23 0.79 0.00	39.41 0.81 0.00	38.53 0.79 0.00	39.27 0.81 0.00	39.43 0.77 0.00	43.32 0.93 0.00	44.87 0.92 0.00	43.12 0.89 0.00	40.57 0.84 0.00	44.85 1.13 0.00	45.75 1.20 0.00	44.39 1.12 0.00	43.96 1.11 0.00	44.82 1.18 0.00	48.08 1.26 0.00	55.57 1.57 0.00	72.27 1.82 -5.51	84.73 2.10 -4.79	85.43 2.09 -8.48	76.15 2.04 -3.92	71.84 1.76 -4.88	62.53 1.64 0.00	58.84 1.44 0.00
SENECA OSWGO___HYD 24041	40.68 -0.24 0.00	39.20 -0.24 0.00	38.37 -0.23 0.00	37.51 -0.23 0.00	38.23 -0.23 0.00	38.43 -0.23 0.00	42.05 -0.34 0.00	43.64 -0.31 0.00	41.94 -0.29 0.00	39.46 -0.28 0.00	43.45 -0.26 0.00	44.28 -0.27 0.00	43.01 -0.26 0.00	42.50 -0.34 0.00	43.29 -0.35 0.00	46.58 -0.23 0.00	53.68 -0.32 0.00	64.75 -0.19 0.00	77.92 0.08 0.00	74.77 -0.07 0.00	70.12 -0.07 0.00	65.07 -0.13 0.00	60.70 -0.18 0.00	57.40 0.00 0.00
SENECA___115KV_TB3 355854	39.29 -1.64 0.00	37.86 -1.58 0.00	37.06 -1.54 0.00	36.19 -1.55 0.00	37.08 -1.38 0.00	37.42 -1.24 0.00	40.06 -2.33 0.00	41.62 -2.33 0.00	39.57 -2.66 0.00	37.19 -2.54 0.00	40.52 -3.19 0.00	41.34 -3.21 0.00	40.07 -3.20 0.00	39.85 -3.00 0.00	40.50 -3.14 0.00	43.45 -3.37 0.00	49.74 -4.27 0.00	59.10 -5.85 0.00	71.22 -6.62 0.00	68.04 -6.81 0.00	63.87 -6.32 0.00	60.05 -5.15 0.00	56.68 -4.20 0.00	54.70 -2.70 0.00
SENECA___ENERGY 23797	40.06 -0.86 0.00	38.65 -0.79 0.00	37.83 -0.77 0.00	36.98 -0.75 0.00	37.77 -0.69 0.00	38.04 -0.62 0.00	41.50 -0.89 0.00	42.98 -0.97 0.00	41.22 -1.01 0.00	38.78 -0.95 0.00	42.54 -1.18 0.00	43.34 -1.20 0.00	42.06 -1.21 0.00	41.60 -1.24 0.00	42.38 -1.27 0.00	45.55 -1.26 0.00	52.49 -1.51 0.00	63.19 -1.75 0.00	76.13 -1.71 0.00	72.98 -1.87 0.00	68.36 -1.83 0.00	63.57 -1.63 0.00	59.36 -1.52 0.00	56.43 -0.98 0.00
SHOEMAKER___GT 23640	42.07 1.14 0.00	40.54 1.10 0.00	39.64 1.04 0.00	38.79 1.06 0.00	39.58 1.12 0.00	39.74 1.08 0.00	43.71 1.32 0.00	45.22 1.28 0.00	43.55 1.31 0.00	41.00 1.27 0.00	45.03 1.31 0.00	45.88 1.34 0.00	44.56 1.30 0.00	44.13 1.28 0.00	44.95 1.31 0.00	48.17 1.36 0.00	55.57 1.57 0.00	68.29 2.08 -1.27	78.73 2.49 1.60	71.75 2.47 5.57	66.88 2.25 5.55	64.44 1.82 2.59	60.51 1.46 1.83	58.61 1.21 0.00
SHOEMAKR_138KV_BK 111 55601	42.03 1.10 0.00	40.54 1.10 0.00	39.64 1.04 0.00	38.75 1.02 0.00	39.54 1.08 0.00	39.74 1.08 0.00	43.66 1.27 0.00	45.18 1.23 0.00	43.50 1.27 0.00	40.96 1.23 0.00	45.03 1.31 0.00	45.88 1.34 0.00	44.57 1.30 0.00	44.13 1.29 0.00	44.91 1.27 0.00	48.13 1.31 0.00	55.51 1.51 0.00	68.22 2.01 -1.26	78.76 2.41 1.49	71.98 2.40 5.26	67.08 2.18 5.28	64.52 1.76 2.44	60.53 1.40 1.75	58.55 1.15 0.00
SHOREHAM_IC_1 23715	46.13 2.91 -2.30	44.35 2.80 -2.11	41.04 2.43 0.00	40.22 2.49 0.00	41.11 2.65 0.00	44.09 2.75 -2.69	45.68 3.14 -0.16	47.20 3.25 0.00	47.42 3.30 -1.89	42.63 2.90 0.00	46.73 3.01 0.00	47.44 2.89 0.00	46.08 2.81 0.00	45.72 2.87 0.00	46.74 3.10 0.00	53.85 3.37 -3.66	65.74 4.10 -7.64	92.23 5.26 -22.03	100.59 6.38 -16.36	95.87 6.14 -14.88	82.68 5.54 -6.95	79.55 4.89 -9.45	72.68 4.51 -7.29	67.78 4.08 -6.30
SHOREHAM_IC_2 23716	46.13 2.91 -2.30	44.35 2.80 -2.11	41.04 2.43 0.00	40.22 2.49 0.00	41.11 2.65 0.00	44.09 2.75 -2.69	45.68 3.14 -0.16	47.20 3.25 0.00	47.42 3.30 -1.89	42.63 2.90 0.00	46.73 3.01 0.00	47.44 2.89 0.00	46.08 2.81 0.00	45.72 2.87 0.00	46.74 3.10 0.00	53.85 3.37 -3.66	65.74 4.10 -7.64	92.23 5.26 -22.03	100.59 6.38 -16.36	95.87 6.14 -14.88	82.68 5.54 -6.95	79.55 4.89 -9.45	72.68 4.51 -7.29	67.78 4.08 -6.30
SISSONVILLE____ 23735	41.74 0.82 0.00	40.11 0.67 0.00	39.18 0.58 0.00	38.22 0.49 0.00	38.92 0.46 0.00	39.05 0.39 0.00	42.65 0.25 0.00	44.30 0.35 0.00	42.53 0.30 0.00	39.89 0.16 0.00	44.15 0.44 0.00	45.04 0.49 0.00	43.87 0.61 0.00	43.40 0.56 0.00	44.21 0.57 0.00	47.47 0.66 0.00	54.54 0.54 0.00	65.01 0.06 0.00	77.37 -0.47 0.00	74.77 -0.07 0.00	70.33 0.14 0.00	65.98 0.78 0.00	62.10 1.22 0.00	58.61 1.21 0.00
SITHE_IND_GS1 24169	39.33 -1.60 0.00	37.90 -1.54 0.00	37.10 -1.51 0.00	36.30 -1.43 0.00	37.00 -1.46 0.00	37.19 -1.47 0.00	40.69 -1.70 0.00	42.19 -1.76 0.00	40.50 -1.73 0.00	38.10 -1.63 0.00	41.92 -1.79 0.00	42.72 -1.83 0.00	41.49 -1.78 0.00	41.09 -1.76 0.00	41.85 -1.79 0.00	44.94 -1.87 0.00	51.79 -2.22 0.00	62.28 -2.67 0.00	74.72 -3.12 0.00	71.71 -3.14 0.00	67.24 -2.95 0.00	62.47 -2.74 0.00	58.38 -2.50 0.00	55.16 -2.24 0.00
SITHE_IND_GS2 24170	39.33 -1.60 0.00	37.90 -1.54 0.00	37.10 -1.51 0.00	36.30 -1.43 0.00	37.00 -1.46 0.00	37.19 -1.47 0.00	40.69 -1.70 0.00	42.19 -1.76 0.00	40.50 -1.73 0.00	38.10 -1.63 0.00	41.92 -1.79 0.00	42.72 -1.83 0.00	41.49 -1.78 0.00	41.09 -1.76 0.00	41.85 -1.79 0.00	44.94 -1.87 0.00	51.79 -2.22 0.00	62.28 -2.67 0.00	74.72 -3.12 0.00	71.71 -3.14 0.00	67.24 -2.95 0.00	62.47 -2.74 0.00	58.38 -2.50 0.00	55.16 -2.24 0.00
SITHE_IND_GS3 24171	39.33 -1.60 0.00	37.90 -1.54 0.00	37.10 -1.51 0.00	36.30 -1.43 0.00	37.00 -1.46 0.00	37.19 -1.47 0.00	40.69 -1.70 0.00	42.19 -1.76 0.00	40.50 -1.73 0.00	38.10 -1.63 0.00	41.92 -1.79 0.00	42.72 -1.83 0.00	41.49 -1.78 0.00	41.09 -1.76 0.00	41.85 -1.79 0.00	44.94 -1.87 0.00	51.79 -2.22 0.00	62.28 -2.67 0.00	74.72 -3.12 0.00	71.71 -3.14 0.00	67.24 -2.95 0.00	62.47 -2.74 0.00	58.38 -2.50 0.00	55.16 -2.24 0.00
SITHE_IND_GS4 24172	39.33 -1.60 0.00	37.90 -1.54 0.00	37.10 -1.51 0.00	36.30 -1.43 0.00	37.00 -1.46 0.00	37.19 -1.47 0.00	40.69 -1.70 0.00	42.19 -1.76 0.00	40.50 -1.73 0.00	38.10 -1.63 0.00	41.92 -1.79 0.00	42.72 -1.83 0.00	41.49 -1.78 0.00	41.09 -1.76 0.00	41.85 -1.79 0.00	44.94 -1.87 0.00	51.79 -2.22 0.00	62.28 -2.67 0.00	74.72 -3.12 0.00	71.71 -3.14 0.00	67.24 -2.95 0.00	62.47 -2.74 0.00	58.38 -2.50 0.00	55.16 -2.24 0.00



SITHE___BATAVIA 24024	39.45 -1.47 0.00	38.06 -1.38 0.00	37.25 -1.35 0.00	36.41 -1.32 0.00	37.27 -1.19 0.00	37.65 -1.01 0.00	40.40 -1.99 0.00	41.84 -2.11 0.00	39.95 -2.28 0.00	37.55 -2.19 0.00	41.00 -2.71 0.00	41.87 -2.67 0.00	40.50 -2.77 0.00	40.19 -2.66 0.00	40.76 -2.88 0.00	43.82 -3.00 0.00	50.06 -3.94 0.00	60.01 -4.94 0.00	72.63 -5.21 0.00	69.39 -5.46 0.00	64.99 -5.19 0.00	60.96 -4.24 0.00	57.35 -3.53 0.00	55.22 -2.18 0.00
SITHE___INDEPEND 23800	39.33 -1.60 0.00	37.90 -1.54 0.00	37.10 -1.51 0.00	36.30 -1.43 0.00	37.00 -1.46 0.00	37.19 -1.47 0.00	40.70 -1.70 0.00	42.23 -1.71 0.00	40.55 -1.69 0.00	38.14 -1.59 0.00	41.92 -1.79 0.00	42.72 -1.83 0.00	41.49 -1.77 0.00	41.09 -1.76 0.00	41.86 -1.79 0.00	44.94 -1.87 0.00	51.84 -2.16 0.00	62.28 -2.66 0.00	74.73 -3.11 0.00	71.70 -3.14 0.00	67.24 -2.95 0.00	62.46 -2.74 0.00	58.39 -2.50 0.00	55.16 -2.24 0.00
SITHE___MASSENA 23902	41.74 0.82 0.00	40.18 0.75 0.00	39.26 0.66 0.00	38.30 0.57 0.00	39.04 0.58 0.00	39.24 0.58 0.00	43.07 0.68 0.00	44.69 0.75 0.00	42.91 0.67 0.00	40.29 0.56 0.00	44.37 0.66 0.00	45.17 0.62 0.00	43.96 0.69 0.00	43.53 0.68 0.00	44.34 0.70 0.00	47.56 0.75 0.00	54.76 0.76 0.00	65.53 0.58 0.00	78.15 0.31 0.00	75.44 0.60 0.00	70.89 0.70 0.00	66.31 1.11 0.00	62.16 1.28 0.00	58.55 1.15 0.00
SITHE___OGDNSBRG 24021	42.40 1.47 0.00	40.78 1.34 0.00	39.80 1.20 0.00	38.83 1.09 0.00	39.58 1.12 0.00	39.78 1.12 0.00	43.54 1.14 0.00	45.18 1.23 0.00	43.29 1.06 0.00	40.53 0.79 0.00	44.72 1.01 0.00	45.57 1.02 0.00	44.35 1.08 0.00	43.92 1.07 0.00	44.74 1.09 0.00	48.08 1.26 0.00	55.41 1.40 0.00	66.31 1.36 0.00	79.40 1.56 0.00	76.64 1.80 0.00	72.08 1.90 0.00	67.55 2.35 0.00	63.32 2.44 0.00	59.70 2.30 0.00
SITHE___STERLING 23777	41.78 0.86 0.00	40.23 0.79 0.00	39.37 0.77 0.00	38.49 0.75 0.00	39.19 0.73 0.00	39.43 0.77 0.00	43.19 0.80 0.00	44.78 0.83 0.00	43.04 0.80 0.00	40.45 0.72 0.00	44.46 0.74 0.00	45.30 0.76 0.00	44.00 0.73 0.00	43.49 0.64 0.00	44.34 0.70 0.00	47.70 0.89 0.00	55.19 1.19 0.00	66.50 1.56 0.00	80.17 2.33 0.00	76.94 2.09 0.00	72.15 1.96 0.00	67.02 1.82 0.00	62.41 1.52 0.00	58.84 1.44 0.00
SLEIGHT__34_KV_TB1 80719	39.61 -1.31 0.00	38.14 -1.30 0.00	37.29 -1.31 0.00	36.49 -1.25 0.00	37.27 -1.19 0.00	37.54 -1.12 0.00	40.86 -1.53 0.00	42.50 -1.45 0.00	40.71 -1.52 0.00	38.26 -1.47 0.00	42.01 -1.70 0.00	42.85 -1.69 0.00	41.58 -1.69 0.00	41.18 -1.67 0.00	41.94 -1.70 0.00	45.13 -1.69 0.00	51.90 -2.11 0.00	62.28 -2.66 0.00	74.96 -3.14 0.00	71.70 -3.02 0.00	67.17 -3.02 0.00	62.53 -2.67 0.00	58.63 -2.25 0.00	55.68 -1.72 0.00
SOUTH CAIRO___GT 23612	43.17 2.25 0.00	41.57 2.13 0.00	40.69 2.08 0.00	39.73 2.00 0.00	40.54 2.08 0.00	40.71 2.05 0.00	44.81 2.42 0.00	46.19 2.24 0.00	44.14 1.90 0.00	41.24 1.51 0.00	45.60 1.88 0.00	46.51 1.96 0.00	45.00 1.73 0.00	44.65 1.80 0.00	45.57 1.92 0.00	49.02 2.20 0.00	57.24 3.24 0.00	73.55 3.77 -4.84	86.79 4.75 -4.21	87.09 4.79 -7.45	78.12 4.49 -3.44	73.46 3.98 -4.28	65.27 4.38 0.00	61.31 3.90 0.00
SOUTH HAMPTN___IC 23720	46.21 2.99 -2.30	44.39 2.84 -2.11	41.07 2.47 0.00	40.30 2.57 0.00	41.15 2.69 0.00	44.17 2.82 -2.69	45.77 3.22 -0.16	47.33 3.38 0.00	47.59 3.46 -1.89	42.75 3.02 0.00	46.73 3.01 0.00	47.40 2.85 0.00	46.08 2.81 0.00	45.67 2.83 0.00	46.74 3.10 0.00	53.85 3.37 -3.66	65.74 4.10 -7.64	92.36 5.39 -22.03	100.82 6.61 -16.36	96.02 6.29 -14.88	82.76 5.62 -6.95	79.68 5.02 -9.45	72.74 4.57 -7.29	68.01 4.31 -6.30
SOUTHDOW_115KV_TB1 355954	39.90 -1.02 0.00	38.45 -0.99 0.00	37.52 -1.08 0.00	36.64 -1.09 0.00	37.58 -0.88 0.00	38.00 -0.66 0.00	40.74 -1.65 0.00	42.28 -1.67 0.00	40.33 -1.90 0.00	38.02 -1.71 0.00	41.40 -2.32 0.00	42.18 -2.36 0.00	40.89 -2.38 0.00	40.62 -2.23 0.00	41.29 -2.36 0.00	44.33 -2.48 0.00	50.82 -3.19 0.00	60.59 -4.35 0.00	73.25 -4.59 0.00	70.06 -4.79 0.00	65.97 -4.21 0.00	62.01 -3.19 0.00	58.45 -2.44 0.00	56.43 -0.98 0.00
SOUTHOLD_69_KV_BK 2 55809	46.09 2.86 -2.30	44.31 2.76 -2.11	40.96 2.35 0.00	40.19 2.45 0.00	41.15 2.69 0.00	44.09 2.74 -2.69	45.68 3.14 -0.16	47.16 3.21 0.00	47.55 3.42 -1.89	42.71 2.98 0.00	46.47 2.75 0.00	47.13 2.58 0.00	45.78 2.51 0.00	45.38 2.53 0.00	46.44 2.79 0.00	53.57 3.09 -3.66	65.37 3.73 -7.64	92.11 5.13 -22.03	100.74 6.54 -16.36	95.87 6.14 -14.88	82.54 5.40 -6.95	79.48 4.82 -9.45	72.55 4.38 -7.29	68.06 4.36 -6.30
SOUTHOLD___IC 23719	46.13 2.91 -2.30	44.31 2.76 -2.11	40.96 2.36 0.00	40.18 2.45 0.00	41.08 2.62 0.00	44.09 2.75 -2.69	45.68 3.14 -0.16	47.24 3.30 0.00	47.59 3.46 -1.89	42.67 2.94 0.00	46.47 2.76 0.00	47.13 2.58 0.00	45.78 2.51 0.00	45.42 2.57 0.00	46.48 2.84 0.00	53.61 3.14 -3.66	65.47 3.83 -7.64	92.10 5.13 -22.03	100.74 6.54 -16.36	95.87 6.14 -14.88	82.54 5.40 -6.95	79.48 4.82 -9.45	72.56 4.39 -7.29	68.06 4.36 -6.30
SOUTH_FORK_WT_PWR 323839	45.72 2.50 -2.30	43.87 2.33 -2.11	40.53 1.93 0.00	39.81 2.07 0.00	40.69 2.23 0.00	43.71 2.36 -2.69	45.26 2.72 -0.16	46.80 2.85 0.00	47.21 3.08 -1.89	42.31 2.58 0.00	45.94 2.23 0.00	46.55 2.01 0.00	45.22 1.95 0.00	44.86 2.01 0.00	45.91 2.27 0.00	53.00 2.53 -3.66	64.72 3.08 -7.64	91.19 4.22 -22.03	99.65 5.45 -16.36	94.82 5.09 -14.88	81.56 4.42 -6.95	78.57 3.91 -9.45	71.76 3.59 -7.29	67.55 3.85 -6.30
SPIERFLS_115KV_TB 1 80737	44.44 3.52 0.00	42.79 3.35 0.00	41.88 3.28 0.00	40.90 3.17 0.00	41.65 3.19 0.00	41.94 3.29 0.00	46.16 3.77 0.00	47.77 3.82 0.00	45.82 3.59 0.00	42.99 3.26 0.00	47.39 3.67 0.00	48.51 3.96 0.00	46.82 3.55 0.00	46.53 3.68 0.00	47.49 3.84 0.00	51.03 4.21 0.00	59.40 5.40 0.00	85.85 6.88 -14.02	98.20 8.17 -12.19	104.21 7.78 -21.58	87.39 7.23 -9.98	84.52 6.91 -12.40	67.21 6.33 0.00	63.26 5.85 0.00
ST LAWRENCE____ 23600	41.09 0.16 0.00	39.56 0.12 0.00	38.68 0.08 0.00	37.73 0.00 0.00	38.46 0.00 0.00	38.70 0.04 0.00	42.48 0.08 0.00	44.08 0.13 0.00	42.36 0.13 0.00	39.81 0.08 0.00	43.80 0.09 0.00	44.59 0.04 0.00	43.35 0.09 0.00	42.93 0.09 0.00	43.69 0.04 0.00	46.86 0.05 0.00	54.00 0.00 0.00	64.75 -0.19 0.00	77.45 -0.39 0.00	74.62 -0.22 0.00	70.05 -0.14 0.00	65.27 0.07 0.00	61.13 0.24 0.00	57.57 0.17 0.00
STATE_CA_115KV_115_LB 55624	41.78 0.86 0.00	40.34 0.91 0.00	39.49 0.89 0.00	38.60 0.87 0.00	39.34 0.88 0.00	39.51 0.85 0.00	43.45 1.06 0.00	44.96 1.01 0.00	43.21 0.97 0.00	40.69 0.95 0.00	45.11 1.40 0.00	46.06 1.51 0.00	44.65 1.38 0.00	44.26 1.41 0.00	45.13 1.48 0.00	48.41 1.59 0.00	56.00 2.00 0.00	76.96 2.34 -9.67	88.89 2.65 -8.41	92.36 2.62 -14.89	79.67 2.60 -6.89	75.98 2.22 -8.56	62.95 2.07 0.00	59.24 1.84 0.00



STATE_ST_34_KV_LOAD 55959	40.51 -0.41 0.00	39.00 -0.43 0.00	38.18 -0.42 0.00	37.36 -0.38 0.00	38.11 -0.35 0.00	38.35 -0.31 0.00	41.97 -0.42 0.00	43.60 -0.35 0.00	41.85 -0.38 0.00	39.37 -0.36 0.00	43.23 -0.48 0.00	44.06 -0.49 0.00	42.75 -0.52 0.00	42.33 -0.51 0.00	43.16 -0.48 0.00	46.44 -0.37 0.00	53.52 -0.49 0.00	64.49 -0.45 0.00	77.53 -0.31 0.00	74.25 -0.60 0.00	69.62 -0.56 0.00	64.61 -0.59 0.00	60.33 -0.55 0.00	57.06 -0.34 0.00
STATION 5_MISC_HYD 23604	39.37 -1.56 0.00	37.94 -1.50 0.00	37.14 -1.47 0.00	36.30 -1.43 0.00	37.08 -1.38 0.00	37.38 -1.27 0.00	40.44 -1.95 0.00	41.93 -2.02 0.00	40.17 -2.07 0.00	37.75 -1.99 0.00	41.40 -2.32 0.00	42.27 -2.27 0.00	40.97 -2.29 0.00	40.62 -2.23 0.00	41.29 -2.36 0.00	44.33 -2.48 0.00	50.82 -3.19 0.00	60.98 -3.96 0.00	73.48 -4.36 0.00	70.21 -4.64 0.00	65.77 -4.42 0.00	61.49 -3.71 0.00	57.71 -3.17 0.00	55.16 -2.24 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	40.23 -0.70 0.00	38.77 -0.67 0.00	37.91 -0.69 0.00	37.09 -0.64 0.00	37.88 -0.58 0.00	38.16 -0.50 0.00	41.54 -0.85 0.00	43.20 -0.75 0.00	41.39 -0.84 0.00	38.86 -0.87 0.00	42.67 -1.05 0.00	43.52 -1.02 0.00	42.19 -1.08 0.00	41.78 -1.07 0.00	42.55 -1.09 0.00	45.79 -1.03 0.00	52.71 -1.30 0.00	63.26 -1.69 0.00	76.28 -1.56 0.00	72.98 -1.87 0.00	68.29 -1.90 0.00	63.57 -1.63 0.00	59.60 -1.28 0.00	56.60 -0.80 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	39.25 -1.68 0.00	37.78 -1.66 0.00	36.98 -1.62 0.00	36.15 -1.58 0.00	36.92 -1.54 0.00	37.23 -1.43 0.00	40.31 -2.08 0.00	41.97 -1.98 0.00	40.12 -2.11 0.00	37.67 -2.07 0.00	41.31 -2.40 0.00	42.18 -2.36 0.00	40.89 -2.38 0.00	40.58 -2.27 0.00	41.29 -2.36 0.00	44.38 -2.43 0.00	50.92 -3.08 0.00	60.92 -4.03 0.00	73.40 -4.44 0.00	70.21 -4.64 0.00	65.69 -4.49 0.00	61.35 -3.85 0.00	57.66 -3.23 0.00	54.93 -2.47 0.00
STA_56___34_KV_BUS2 355983	39.25 -1.68 0.00	37.78 -1.66 0.00	36.98 -1.62 0.00	36.15 -1.58 0.00	36.92 -1.54 0.00	37.23 -1.43 0.00	40.31 -2.08 0.00	41.97 -1.98 0.00	40.12 -2.11 0.00	37.67 -2.07 0.00	41.31 -2.40 0.00	42.18 -2.36 0.00	40.89 -2.38 0.00	40.58 -2.27 0.00	41.29 -2.36 0.00	44.38 -2.43 0.00	50.92 -3.08 0.00	60.92 -4.03 0.00	73.40 -4.44 0.00	70.21 -4.64 0.00	65.69 -4.49 0.00	61.35 -3.85 0.00	57.66 -3.23 0.00	54.93 -2.47 0.00
STA_67___115KV_BK2 355882	39.33 -1.60 0.00	37.86 -1.58 0.00	37.06 -1.54 0.00	36.22 -1.51 0.00	37.00 -1.46 0.00	37.31 -1.35 0.00	40.36 -2.03 0.00	42.01 -1.93 0.00	40.12 -2.11 0.00	37.67 -2.07 0.00	41.27 -2.45 0.00	42.14 -2.41 0.00	40.84 -2.42 0.00	40.53 -2.31 0.00	41.24 -2.40 0.00	44.33 -2.48 0.00	50.87 -3.13 0.00	60.79 -4.16 0.00	73.25 -4.59 0.00	70.06 -4.79 0.00	65.55 -4.63 0.00	61.29 -3.91 0.00	57.59 -3.29 0.00	54.99 -2.41 0.00
STA_7___115KV_9TRANS 80674	39.57 -1.35 0.00	38.14 -1.30 0.00	37.29 -1.31 0.00	36.45 -1.28 0.00	37.23 -1.23 0.00	37.54 -1.12 0.00	40.65 -1.74 0.00	42.32 -1.63 0.00	40.42 -1.82 0.00	37.94 -1.79 0.00	41.62 -2.10 0.00	42.50 -2.05 0.00	41.19 -2.08 0.00	40.88 -1.97 0.00	41.59 -2.05 0.00	44.76 -2.06 0.00	51.30 -2.70 0.00	61.37 -3.57 0.00	74.03 -3.81 0.00	70.73 -4.12 0.00	66.18 -4.00 0.00	61.88 -3.33 0.00	58.14 -2.74 0.00	55.45 -1.95 0.00
STA_82___115KV_TB1 80780	39.33 -1.60 0.00	37.86 -1.58 0.00	37.06 -1.54 0.00	36.22 -1.51 0.00	37.00 -1.46 0.00	37.31 -1.35 0.00	40.36 -2.03 0.00	42.01 -1.93 0.00	40.12 -2.11 0.00	37.67 -2.07 0.00	41.27 -2.45 0.00	42.14 -2.41 0.00	40.89 -2.38 0.00	40.53 -2.31 0.00	41.24 -2.40 0.00	44.33 -2.48 0.00	50.87 -3.13 0.00	60.79 -4.16 0.00	73.25 -4.59 0.00	70.06 -4.79 0.00	65.62 -4.56 0.00	61.29 -3.91 0.00	57.66 -3.23 0.00	54.99 -2.41 0.00
STEEL___WIND 323596	39.12 -1.80 0.00	37.78 -1.65 0.00	36.98 -1.62 0.00	36.15 -1.58 0.00	37.04 -1.42 0.00	37.34 -1.31 0.00	39.98 -2.41 0.00	41.31 -2.64 0.00	39.41 -2.83 0.00	37.15 -2.58 0.00	40.48 -3.23 0.00	41.25 -3.30 0.00	40.02 -3.25 0.00	39.72 -3.13 0.00	40.29 -3.36 0.00	43.21 -3.60 0.00	49.30 -4.70 0.00	58.97 -5.97 0.00	71.14 -6.69 0.00	67.89 -6.96 0.00	63.80 -6.39 0.00	59.92 -5.28 0.00	56.50 -4.38 0.00	54.65 -2.75 0.00
STEPHTWN_115KV_BK_2 55603	42.03 1.10 0.00	40.50 1.06 0.00	39.68 1.08 0.00	38.75 1.02 0.00	39.50 1.04 0.00	39.70 1.04 0.00	43.62 1.23 0.00	45.18 1.23 0.00	43.42 1.18 0.00	40.84 1.11 0.00	45.33 1.62 0.00	46.28 1.74 0.00	44.83 1.56 0.00	44.48 1.63 0.00	45.30 1.66 0.00	48.64 1.83 0.00	56.32 2.32 0.00	74.40 2.79 -6.66	86.82 3.19 -5.79	88.25 3.14 -10.25	78.02 3.09 -4.74	73.77 2.67 -5.89	63.44 2.56 0.00	59.70 2.30 0.00
STEUBEN_REC_LFGE 323667	39.57 -1.35 0.00	38.29 -1.14 0.00	37.56 -1.04 0.00	36.68 -1.06 0.00	37.42 -1.04 0.00	37.69 -0.97 0.00	40.70 -1.70 0.00	42.28 -1.67 0.00	40.21 -2.03 0.00	37.79 -1.95 0.00	41.05 -2.67 0.00	41.78 -2.76 0.00	40.28 -2.99 0.00	39.72 -3.13 0.00	40.55 -3.10 0.00	43.68 -3.14 0.00	50.55 -3.46 0.00	61.30 -4.03 -0.39	74.13 -4.05 -0.33	71.32 -4.12 -0.59	66.67 -3.79 -0.27	62.35 -3.19 -0.34	58.26 -2.62 0.00	55.57 -1.84 0.00
STILLWATER___SOLAR 323814	43.50 2.58 0.00	41.92 2.49 0.00	41.04 2.43 0.00	40.11 2.38 0.00	40.85 2.39 0.00	41.10 2.44 0.00	45.14 2.75 0.00	46.76 2.82 0.00	44.85 2.62 0.00	42.12 2.38 0.00	46.38 2.67 0.00	47.48 2.94 0.00	45.95 2.68 0.00	45.59 2.74 0.00	46.48 2.84 0.00	49.95 3.14 0.00	58.00 4.00 -13.82	83.83 5.07 -12.01	95.76 5.91 -21.27	101.80 5.69 -9.84	85.29 5.27 -12.23	82.38 4.95 0.00	65.39 4.51 0.00	61.59 4.19 0.00
STONY___BROOK 24151	46.17 2.95 -2.30	44.35 2.80 -2.11	41.04 2.43 0.00	40.22 2.49 0.00	41.11 2.65 0.00	44.09 2.75 -2.69	45.73 3.18 -0.16	47.24 3.30 0.00	47.51 3.38 -1.89	42.71 2.98 0.00	46.90 3.19 0.00	47.62 3.07 0.00	46.30 3.03 0.00	45.93 3.09 0.00	46.92 3.28 0.00	54.03 3.56 -3.66	65.90 4.27 -7.64	92.36 5.39 -22.03	100.66 6.46 -16.36	95.87 6.14 -14.88	82.76 5.62 -6.95	79.61 4.95 -9.45	72.68 4.51 -7.29	67.78 4.08 -6.30
STURGEON_POOL_HYD 23609	42.48 1.56 0.00	40.94 1.50 0.00	40.03 1.43 0.00	39.17 1.43 0.00	39.96 1.50 0.00	40.09 1.43 0.00	44.13 1.74 0.00	45.62 1.67 0.00	43.97 1.73 0.00	41.40 1.67 0.00	45.46 1.75 0.00	46.33 1.78 0.00	45.00 1.73 0.00	44.56 1.71 0.00	45.35 1.70 0.00	48.55 1.73 0.00	56.11 2.11 0.00	69.46 2.47 -2.04	82.57 2.96 -1.78	80.91 2.92 -3.15	74.31 2.67 -1.46	69.16 2.15 -1.81	63.01 2.13 0.00	59.18 1.78 0.00
ST_LAW_115_BK7_LBMP 345037	41.13 0.21 0.00	39.60 0.16 0.00	38.68 0.08 0.00	37.77 0.04 0.00	38.50 0.04 0.00	38.70 0.04 0.00	42.52 0.13 0.00	44.12 0.18 0.00	42.40 0.17 0.00	39.81 0.08 0.00	43.80 0.09 0.00	44.59 0.04 0.00	43.40 0.13 0.00	42.98 0.13 0.00	43.73 0.09 0.00	46.91 0.09 0.00	54.00 0.00 0.00	64.75 -0.19 0.00	77.45 -0.39 0.00	74.62 -0.22 0.00	70.05 -0.14 0.00	65.33 0.13 0.00	61.19 0.31 0.00	57.63 0.23 0.00



ST_LAW_115_BK8_LBMP 345038	41.13 0.21 0.00	39.60 0.16 0.00	38.68 0.08 0.00	37.77 0.04 0.00	38.50 0.04 0.00	38.70 0.04 0.00	42.52 0.13 0.00	44.12 0.18 0.00	42.40 0.17 0.00	39.81 0.08 0.00	43.80 0.09 0.00	44.59 0.04 0.00	43.40 0.13 0.00	42.98 0.13 0.00	43.73 0.09 0.00	46.91 0.09 0.00	54.00 0.00 0.00	64.75 -0.19 0.00	77.45 -0.39 0.00	74.62 -0.22 0.00	70.05 -0.14 0.00	65.33 0.13 0.00	61.19 0.31 0.00	57.63 0.23 0.00
ST_LAW_230_BK5_LBMP 345035	41.09 0.16 0.00	39.56 0.12 0.00	38.68 0.08 0.00	37.73 0.00 0.00	38.46 0.00 0.00	38.70 0.04 0.00	42.48 0.08 0.00	44.08 0.13 0.00	42.36 0.13 0.00	39.81 0.08 0.00	43.80 0.09 0.00	44.59 0.04 0.00	43.35 0.09 0.00	42.93 0.09 0.00	43.69 0.04 0.00	46.86 0.05 0.00	54.00 0.00 0.00	64.75 -0.19 0.00	77.45 -0.39 0.00	74.62 -0.22 0.00	70.05 -0.14 0.00	65.27 0.07 0.00	61.13 0.24 0.00	57.57 0.17 0.00
ST_LAW_230_BK6_LBMP 345036	41.09 0.16 0.00	39.56 0.12 0.00	38.68 0.08 0.00	37.73 0.00 0.00	38.46 0.00 0.00	38.70 0.04 0.00	42.48 0.08 0.00	44.08 0.13 0.00	42.36 0.13 0.00	39.81 0.08 0.00	43.80 0.09 0.00	44.59 0.04 0.00	43.35 0.09 0.00	42.93 0.09 0.00	43.69 0.04 0.00	46.86 0.05 0.00	54.00 0.00 0.00	64.75 -0.19 0.00	77.45 -0.39 0.00	74.62 -0.22 0.00	70.05 -0.14 0.00	65.27 0.07 0.00	61.13 0.24 0.00	57.57 0.17 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	42.15 1.23 0.00	40.62 1.18 0.00	39.72 1.12 0.00	38.86 1.13 0.00	39.65 1.19 0.00	39.82 1.16 0.00	43.79 1.40 0.00	45.31 1.36 0.00	43.63 1.39 0.00	41.12 1.39 0.00	45.16 1.44 0.00	46.02 1.47 0.00	44.70 1.43 0.00	44.26 1.41 0.00	45.09 1.44 0.00	48.27 1.45 0.00	55.62 1.62 0.00	68.45 2.21 -1.30	78.44 2.57 1.96	70.72 2.47 6.60	66.04 2.32 6.46	63.93 1.83 3.09	60.25 1.46 2.09	58.55 1.15 0.00
SWANROAD_115KV_TB1 355699	37.98 -2.95 0.00	36.56 -2.88 0.00	35.78 -2.82 0.00	34.98 -2.75 0.00	35.81 -2.65 0.00	36.15 -2.51 0.00	38.62 -3.77 0.00	40.17 -3.78 0.00	38.14 -4.10 0.00	35.84 -3.89 0.00	39.04 -4.68 0.00	39.82 -4.72 0.00	38.64 -4.63 0.00	38.39 -4.46 0.00	39.02 -4.63 0.00	41.85 -4.96 0.00	47.74 -6.26 0.00	56.57 -8.38 0.00	68.11 -9.73 0.00	64.97 -9.88 0.00	60.99 -9.19 0.00	57.38 -7.82 0.00	54.37 -6.51 0.00	52.52 -4.88 0.00
SYNERGY___BIOGAS 323694	39.45 -1.47 0.00	38.06 -1.38 0.00	37.25 -1.35 0.00	36.41 -1.32 0.00	37.27 -1.19 0.00	37.65 -1.01 0.00	40.40 -1.99 0.00	41.84 -2.11 0.00	39.95 -2.28 0.00	37.55 -2.19 0.00	41.00 -2.71 0.00	41.87 -2.67 0.00	40.50 -2.77 0.00	40.19 -2.66 0.00	40.76 -2.88 0.00	43.82 -3.00 0.00	50.06 -3.94 0.00	60.01 -4.94 0.00	72.63 -5.21 0.00	69.39 -5.46 0.00	64.99 -5.19 0.00	60.96 -4.24 0.00	57.35 -3.53 0.00	55.22 -2.18 0.00
SYRACUSE___ENERGY_ST1 323597	40.56 -0.37 0.00	39.08 -0.35 0.00	38.25 -0.35 0.00	37.39 -0.34 0.00	38.15 -0.31 0.00	38.35 -0.31 0.00	41.97 -0.42 0.00	43.55 -0.40 0.00	41.81 -0.42 0.00	39.37 -0.36 0.00	43.32 -0.39 0.00	44.14 -0.40 0.00	42.88 -0.39 0.00	42.42 -0.43 0.00	43.21 -0.44 0.00	46.44 -0.37 0.00	53.57 -0.43 0.00	64.43 -0.52 0.00	77.37 -0.47 0.00	74.25 -0.60 0.00	69.62 -0.56 0.00	64.61 -0.59 0.00	60.33 -0.55 0.00	57.06 -0.34 0.00
SYRACUSE___ENERGY_ST2 323598	40.56 -0.37 0.00	39.08 -0.35 0.00	38.25 -0.35 0.00	37.39 -0.34 0.00	38.15 -0.31 0.00	38.35 -0.31 0.00	41.97 -0.42 0.00	43.55 -0.40 0.00	41.81 -0.42 0.00	39.37 -0.36 0.00	43.32 -0.39 0.00	44.14 -0.40 0.00	42.88 -0.39 0.00	42.42 -0.43 0.00	43.21 -0.44 0.00	46.44 -0.37 0.00	53.57 -0.43 0.00	64.43 -0.52 0.00	77.37 -0.47 0.00	74.25 -0.60 0.00	69.62 -0.56 0.00	64.61 -0.59 0.00	60.33 -0.55 0.00	57.06 -0.34 0.00
SYRACUSE___POWER 24017	40.35 -0.57 0.00	38.85 -0.59 0.00	38.06 -0.54 0.00	37.20 -0.53 0.00	37.92 -0.54 0.00	38.16 -0.50 0.00	41.71 -0.68 0.00	43.29 -0.66 0.00	41.56 -0.68 0.00	39.14 -0.60 0.00	43.02 -0.70 0.00	43.88 -0.67 0.00	42.62 -0.65 0.00	42.16 -0.69 0.00	42.95 -0.70 0.00	46.16 -0.66 0.00	53.25 -0.76 0.00	63.97 -0.97 0.00	76.83 -1.01 0.00	73.73 -1.12 0.00	69.13 -1.05 0.00	64.16 -1.04 0.00	59.91 -0.97 0.00	56.60 -0.80 0.00
TALLMAN___138KV_BK151 55660	42.23 1.31 0.00	40.74 1.30 0.00	39.84 1.24 0.00	38.98 1.25 0.00	39.77 1.31 0.00	39.93 1.28 0.00	43.92 1.53 0.00	45.40 1.45 0.00	43.80 1.56 0.00	41.28 1.55 0.00	45.33 1.62 0.00	46.19 1.65 0.00	44.87 1.60 0.00	44.43 1.59 0.00	45.22 1.57 0.00	48.36 1.54 0.00	55.68 1.67 0.00	68.49 2.21 -1.34	77.61 2.57 2.79	68.37 2.47 8.95	64.00 2.32 8.50	62.78 1.83 4.25	59.60 1.40 2.68	58.49 1.09 0.00
TEALLAVE_115KV_TB7 355573	40.19 -0.74 0.00	38.73 -0.71 0.00	37.91 -0.69 0.00	37.05 -0.68 0.00	37.81 -0.65 0.00	38.00 -0.66 0.00	41.59 -0.81 0.00	43.16 -0.79 0.00	41.43 -0.80 0.00	38.98 -0.75 0.00	42.88 -0.83 0.00	43.70 -0.85 0.00	42.45 -0.82 0.00	41.99 -0.86 0.00	42.82 -0.83 0.00	45.97 -0.84 0.00	53.03 -0.97 0.00	63.71 -1.23 0.00	76.52 -1.32 0.00	73.43 -1.42 0.00	68.78 -1.40 0.00	63.90 -1.30 0.00	59.66 -1.22 0.00	56.37 -1.03 0.00
TELGRAPH_34_KV_EAST 80808	38.92 -2.01 0.00	37.47 -1.97 0.00	36.63 -1.97 0.00	35.85 -1.89 0.00	36.69 -1.77 0.00	37.03 -1.62 0.00	39.64 -2.76 0.00	41.27 -2.68 0.00	39.28 -2.96 0.00	36.87 -2.86 0.00	40.22 -3.50 0.00	41.03 -3.52 0.00	39.76 -3.50 0.00	39.51 -3.34 0.00	40.15 -3.49 0.00	43.12 -3.70 0.00	49.30 -4.70 0.00	58.58 -6.36 0.00	70.68 -7.16 0.00	67.51 -7.34 0.00	63.31 -6.88 0.00	59.46 -5.74 0.00	56.13 -4.75 0.00	54.13 -3.27 0.00
TEMPLE___115KV_TB 2 55572	40.19 -0.74 0.00	38.73 -0.71 0.00	37.91 -0.69 0.00	37.09 -0.64 0.00	37.81 -0.65 0.00	38.00 -0.66 0.00	41.59 -0.81 0.00	43.16 -0.79 0.00	41.43 -0.80 0.00	38.98 -0.75 0.00	42.88 -0.83 0.00	43.74 -0.80 0.00	42.49 -0.78 0.00	42.03 -0.81 0.00	42.82 -0.83 0.00	46.02 -0.80 0.00	53.03 -0.97 0.00	63.71 -1.23 0.00	76.52 -1.32 0.00	73.43 -1.42 0.00	68.78 -1.40 0.00	63.90 -1.30 0.00	59.66 -1.22 0.00	56.37 -1.03 0.00
TIANA____69_KV_BK 1 55817	46.21 2.99 -2.30	44.43 2.88 -2.11	41.11 2.51 0.00	40.30 2.57 0.00	41.27 2.81 0.00	44.17 2.82 -2.69	45.81 3.26 -0.16	47.29 3.34 0.00	47.55 3.42 -1.89	42.79 3.06 0.00	46.78 3.06 0.00	47.49 2.94 0.00	46.17 2.90 0.00	45.76 2.91 0.00	46.79 3.14 0.00	53.89 3.42 -3.66	65.80 4.16 -7.64	92.43 5.46 -22.03	100.90 6.69 -16.36	96.09 6.36 -14.88	82.83 5.69 -6.95	79.74 5.09 -9.45	72.80 4.63 -7.29	68.01 4.31 -6.30
TILDEN___115KV_TB1 80814	40.35 -0.57 0.00	38.85 -0.59 0.00	38.06 -0.54 0.00	37.20 -0.53 0.00	37.92 -0.54 0.00	38.16 -0.50 0.00	41.71 -0.68 0.00	43.29 -0.66 0.00	41.56 -0.68 0.00	39.14 -0.60 0.00	43.02 -0.70 0.00	43.88 -0.67 0.00	42.62 -0.65 0.00	42.16 -0.69 0.00	42.95 -0.70 0.00	46.16 -0.66 0.00	53.25 -0.76 0.00	63.97 -0.97 0.00	76.83 -1.01 0.00	73.73 -1.12 0.00	69.13 -1.05 0.00	64.16 -1.04 0.00	59.91 -0.97 0.00	56.60 -0.80 0.00



TRIGEN___CC 323695	45.52 2.29 -2.30	43.76 2.21 -2.11	40.53 1.93 0.00	39.70 1.96 0.00	40.54 2.08 0.00	43.48 2.13 -2.69	45.09 2.54 -0.16	46.45 2.50 0.00	46.75 2.62 -1.89	42.16 2.42 0.00	46.34 2.62 0.00	47.17 2.63 0.00	45.86 2.60 0.00	45.46 2.61 0.00	46.31 2.66 0.00	53.24 2.76 -3.66	64.77 3.13 -7.64	90.94 3.96 -22.03	98.95 4.75 -16.36	94.29 4.57 -14.88	81.28 4.14 -6.95	78.24 3.59 -9.45	71.28 3.11 -7.29	66.46 2.76 -6.30
TRINITY___115KV___4 BK 55933	41.78 0.86 0.00	40.30 0.87 0.00	39.49 0.89 0.00	38.60 0.87 0.00	39.31 0.85 0.00	39.51 0.85 0.00	43.41 1.02 0.00	44.91 0.97 0.00	43.21 0.97 0.00	40.69 0.95 0.00	45.07 1.36 0.00	46.02 1.47 0.00	44.61 1.34 0.00	44.22 1.37 0.00	45.04 1.40 0.00	48.31 1.50 0.00	55.89 1.89 0.00	74.88 2.27 -7.66	87.07 2.57 -6.66	89.11 2.47 -11.80	78.10 2.46 -5.45	74.07 2.09 -6.78	62.83 1.95 0.00	59.18 1.78 0.00
UNION___PROCESSING_DRP 323587	39.33 -1.60 0.00	37.86 -1.58 0.00	37.06 -1.54 0.00	36.22 -1.51 0.00	37.00 -1.46 0.00	37.31 -1.35 0.00	40.36 -2.03 0.00	42.01 -1.93 0.00	40.12 -2.11 0.00	37.67 -2.07 0.00	41.27 -2.45 0.00	42.14 -2.41 0.00	40.89 -2.38 0.00	40.53 -2.31 0.00	41.29 -2.36 0.00	44.33 -2.48 0.00	50.87 -3.13 0.00	60.79 -4.16 0.00	73.25 -4.59 0.00	70.06 -4.79 0.00	65.62 -4.56 0.00	61.29 -3.91 0.00	57.66 -3.23 0.00	55.05 -2.35 0.00
UPPER HUDSON___HYD 24058	44.44 3.52 0.00	42.79 3.35 0.00	41.88 3.28 0.00	40.90 3.17 0.00	41.65 3.19 0.00	41.94 3.28 0.00	46.16 3.77 0.00	47.82 3.87 0.00	45.82 3.59 0.00	42.99 3.26 0.00	47.30 3.59 0.00	48.51 3.96 0.00	46.82 3.55 0.00	46.53 3.69 0.00	47.49 3.84 0.00	51.08 4.26 0.00	59.40 5.40 -14.02	85.85 6.88 -12.19	98.20 8.17 -21.58	104.21 7.78 -21.58	87.40 7.23 -9.98	84.51 6.91 -12.40	67.21 6.33 0.00	63.26 5.86 0.00
UPPER RAQUET___HYD 24056	41.74 0.82 0.00	40.11 0.67 0.00	39.18 0.58 0.00	38.22 0.49 0.00	38.92 0.46 0.00	39.05 0.39 0.00	42.65 0.26 0.00	44.30 0.35 0.00	42.53 0.30 0.00	39.89 0.16 0.00	44.15 0.44 0.00	45.04 0.49 0.00	43.87 0.61 0.00	43.40 0.56 0.00	44.21 0.57 0.00	47.47 0.66 0.00	54.54 0.54 0.00	65.01 0.07 0.00	77.38 -0.46 0.00	74.77 -0.07 0.00	70.33 0.14 0.00	65.99 0.79 0.00	62.10 1.22 0.00	58.61 1.21 0.00
VALLEY44_115KV_TB2 355964	40.23 -0.70 0.00	38.85 -0.59 0.00	38.02 -0.58 0.00	37.17 -0.57 0.00	38.08 -0.38 0.00	38.39 -0.27 0.00	41.29 -1.10 0.00	42.72 -1.23 0.00	40.59 -1.65 0.00	38.18 -1.55 0.00	41.57 -2.14 0.00	42.27 -2.27 0.00	41.02 -2.25 0.00	40.70 -2.14 0.00	41.38 -2.27 0.00	44.43 -2.39 0.00	50.87 -3.13 0.00	60.85 -4.09 0.00	73.40 -4.44 0.00	70.13 -4.72 0.00	65.90 -4.28 0.00	61.68 -3.52 0.00	57.96 -2.92 0.00	55.91 -1.49 0.00
VALLEY___115KV_TB 1-4 80826	41.17 0.25 0.00	39.71 0.28 0.00	38.87 0.27 0.00	38.00 0.26 0.00	38.69 0.23 0.00	38.89 0.23 0.00	42.65 0.25 0.00	44.17 0.22 0.00	42.40 0.17 0.00	39.85 0.12 0.00	43.80 0.09 0.00	44.55 0.00 0.00	43.27 0.00 0.00	42.80 -0.04 0.00	43.60 -0.04 0.00	46.72 -0.09 0.00	54.00 0.00 0.00	65.07 0.13 0.00	78.15 0.31 0.00	75.22 0.37 0.00	70.54 0.35 0.00	65.59 0.39 0.00	61.19 0.30 0.00	57.69 0.29 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	42.85 1.92 0.00	41.21 1.77 0.00	40.42 1.81 0.00	39.47 1.74 0.00	40.23 1.77 0.00	40.44 1.78 0.00	44.34 1.95 0.00	46.06 2.11 0.00	44.35 2.11 0.00	41.76 2.03 0.00	45.86 2.14 0.00	46.77 2.23 0.00	45.39 2.12 0.00	44.95 2.10 0.00	45.83 2.18 0.00	49.20 2.39 0.00	56.92 2.92 0.00	70.52 3.57 -2.00	84.25 4.67 -1.74	82.12 4.19 -3.08	75.54 3.93 -1.42	70.56 3.59 -1.77	63.99 3.11 0.00	60.33 2.93 0.00
VISCHER___FERRY HYD 24020	42.72 1.80 0.00	41.21 1.78 0.00	40.34 1.74 0.00	39.43 1.70 0.00	40.15 1.69 0.00	40.36 1.70 0.00	44.34 1.95 0.00	45.93 1.98 0.00	44.18 1.94 0.00	41.56 1.83 0.00	45.81 2.10 0.00	46.77 2.23 0.00	45.34 2.08 0.00	44.95 2.10 0.00	45.83 2.18 0.00	49.16 2.34 0.00	56.86 2.86 0.00	80.66 3.57 -12.14	92.59 4.20 -10.55	97.57 4.04 -18.69	82.54 3.72 -8.64	79.33 3.39 -10.74	63.99 3.10 0.00	60.21 2.81 0.00
V_A_10_SYNC_DSASP 323832	38.39 -2.54 0.00	37.03 -2.41 0.00	36.25 -2.36 0.00	35.43 -2.30 0.00	36.23 -2.23 0.00	36.53 -2.13 0.00	39.25 -3.14 0.00	40.61 -3.34 0.00	38.77 -3.46 0.00	36.47 -3.26 0.00	39.82 -3.89 0.00	40.62 -3.92 0.00	39.42 -3.85 0.00	39.16 -3.69 0.00	39.72 -3.93 0.00	42.56 -4.26 0.00	48.60 -5.40 0.00	58.13 -6.82 0.00	69.90 -7.94 0.00	66.76 -8.08 0.00	62.60 -7.58 0.00	58.68 -6.52 0.00	55.34 -5.54 0.00	53.33 -4.07 0.00
V_CMM_10_SYNC_DSASP 323787	41.33 0.41 0.00	39.79 0.35 0.00	38.87 0.27 0.00	37.92 0.19 0.00	38.65 0.19 0.00	38.89 0.23 0.00	42.69 0.30 0.00	44.34 0.39 0.00	42.57 0.34 0.00	39.97 0.24 0.00	44.02 0.31 0.00	44.81 0.27 0.00	43.57 0.31 0.00	43.15 0.30 0.00	43.95 0.31 0.00	47.10 0.28 0.00	54.27 0.27 0.00	65.08 0.13 0.00	77.76 -0.08 0.00	74.92 0.07 0.00	70.33 0.14 0.00	65.66 0.46 0.00	61.49 0.61 0.00	57.92 0.52 0.00
V_CMP_10_SYNC_DSASP 323788	41.25 0.33 0.00	39.68 0.24 0.00	38.60 0.00 0.00	37.51 -0.23 0.00	38.15 -0.31 0.00	38.50 -0.15 0.00	42.56 0.17 0.00	44.39 0.44 0.00	42.66 0.42 0.00	39.93 0.20 0.00	43.72 0.00 0.00	44.28 -0.27 0.00	42.97 -0.30 0.00	42.59 -0.26 0.00	43.25 -0.39 0.00	46.26 -0.56 0.00	53.08 -0.92 0.00	63.39 -1.56 0.00	75.90 -1.94 0.00	73.13 -1.72 0.00	68.57 -1.61 0.00	64.29 -0.91 0.00	60.33 -0.55 0.00	56.83 -0.57 0.00
V_D_10_SYNC_DSASP 323841	41.74 0.82 0.00	40.18 0.75 0.00	39.22 0.62 0.00	38.30 0.57 0.00	39.04 0.58 0.00	39.24 0.58 0.00	43.07 0.68 0.00	44.69 0.75 0.00	42.91 0.67 0.00	40.29 0.56 0.00	44.37 0.66 0.00	45.17 0.62 0.00	43.96 0.69 0.00	43.53 0.68 0.00	44.34 0.70 0.00	47.56 0.75 0.00	54.76 0.76 0.00	65.53 0.58 0.00	78.15 0.31 0.00	75.44 0.60 0.00	70.89 0.70 0.00	66.31 1.11 0.00	62.16 1.28 0.00	58.55 1.15 0.00
V_E_10_SYNC_DSASP 323830	43.42 2.50 0.00	41.76 2.33 0.00	41.00 2.39 0.00	40.11 2.38 0.00	40.92 2.46 0.00	41.32 2.67 0.00	45.27 2.88 0.00	47.11 3.17 0.00	45.19 2.96 0.00	42.35 2.62 0.00	46.29 2.58 0.00	47.08 2.54 0.00	45.56 2.29 0.00	44.95 2.10 0.00	45.91 2.27 0.00	49.72 2.90 0.00	57.68 3.67 0.00	70.67 4.81 -0.92	85.72 7.08 -0.80	82.40 6.14 -1.41	76.66 5.82 -0.65	71.55 5.54 -0.81	65.69 4.81 0.00	62.05 4.65 0.00
V_F_30_NSYNC___DSASP 323816	43.55 2.62 0.00	41.96 2.53 0.00	41.07 2.47 0.00	40.15 2.42 0.00	40.88 2.42 0.00	41.13 2.48 0.00	45.19 2.80 0.00	46.80 2.85 0.00	44.90 2.66 0.00	42.16 2.42 0.00	46.47 2.76 0.00	47.53 2.98 0.00	46.04 2.77 0.00	45.67 2.83 0.00	46.57 2.92 0.00	50.04 3.23 0.00	58.10 4.10 0.00	84.13 5.13 -14.06	96.13 6.08 -12.22	102.32 5.84 -21.63	85.60 5.40 -10.01	82.66 5.02 -12.44	65.51 4.62 0.00	61.65 4.25 0.00



V_F_30_SYNC_DSASP 323786	41.78 0.86 0.00	40.34 0.91 0.00	39.49 0.89 0.00	38.60 0.87 0.00	39.34 0.88 0.00	39.51 0.85 0.00	43.45 1.06 0.00	44.96 1.01 0.00	43.21 0.97 0.00	40.69 0.95 0.00	45.11 1.40 0.00	46.06 1.51 0.00	44.65 1.38 0.00	44.26 1.41 0.00	45.13 1.48 0.00	48.41 1.59 0.00	56.00 2.00 0.00	76.80 2.34 -9.51	88.75 2.65 -8.27	92.11 2.62 -14.64	79.55 2.60 -6.77	75.83 2.22 -8.42	62.95 2.07 0.00	59.24 1.84 0.00
V_XM_10_SYNC_DSASP 323789	41.25 0.33 0.00	39.68 0.24 0.00	38.60 0.00 0.00	37.51 -0.23 0.00	38.15 -0.31 0.00	38.50 -0.15 0.00	42.56 0.17 0.00	44.39 0.44 0.00	42.66 0.42 0.00	39.93 0.20 0.00	43.72 0.00 0.00	44.28 -0.27 0.00	42.97 -0.30 0.00	42.59 -0.26 0.00	43.25 -0.39 0.00	46.26 -0.56 0.00	53.08 -0.92 0.00	63.39 -1.56 0.00	75.90 -1.94 0.00	73.13 -1.72 0.00	68.57 -1.61 0.00	64.29 -0.91 0.00	60.33 -0.55 0.00	56.83 -0.57 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	42.40 1.47 0.00	40.90 1.46 0.00	39.95 1.35 0.00	39.09 1.36 0.00	39.88 1.42 0.00	40.09 1.43 0.00	44.04 1.65 0.00	45.57 1.63 0.00	43.97 1.73 0.00	41.44 1.71 0.00	45.51 1.79 0.00	46.33 1.78 0.00	45.04 1.77 0.00	44.60 1.76 0.00	45.39 1.75 0.00	48.55 1.73 0.00	55.95 1.94 0.00	68.76 2.47 -1.35	77.91 2.88 2.81	68.68 2.84 9.01	64.22 2.60 8.56	63.01 2.09 4.28	59.83 1.64 2.70	58.72 1.32 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	42.68 1.76 0.00	41.13 1.70 0.00	40.15 1.54 0.00	39.28 1.55 0.00	40.08 1.62 0.00	40.28 1.62 0.00	44.38 1.99 0.00	45.97 2.02 0.00	44.39 2.15 0.00	41.92 2.19 0.00	45.99 2.27 0.00	46.86 2.32 0.00	45.56 2.29 0.00	45.08 2.23 0.00	45.87 2.23 0.00	49.02 2.20 0.00	56.54 2.54 0.00	69.67 3.31 -1.42	85.44 3.89 -3.70	87.57 3.67 -9.06	80.61 3.51 -6.92	72.72 2.87 -4.65	64.99 2.44 -1.68	59.47 2.07 0.00
W50THST__13_KV_LOAD 356117	42.81 1.88 0.00	41.21 1.77 0.00	40.26 1.66 0.00	39.39 1.66 0.00	40.15 1.69 0.00	40.36 1.70 0.00	44.51 2.12 0.00	46.10 2.15 0.00	44.56 2.32 0.00	42.04 2.30 0.00	46.12 2.40 0.00	47.04 2.49 0.00	45.69 2.42 0.00	45.20 2.36 0.00	46.00 2.36 0.00	49.20 2.39 0.00	56.70 2.70 0.00	70.00 3.64 -1.42	85.83 4.28 -3.70	87.95 4.04 -9.06	80.89 3.79 -6.92	73.04 3.19 -4.65	65.30 2.74 -1.68	59.64 2.24 0.00
WADING RIVER_IC_1 23522	46.13 2.91 -2.30	44.31 2.76 -2.11	41.00 2.39 0.00	40.22 2.49 0.00	41.08 2.62 0.00	44.05 2.71 -2.69	45.68 3.14 -0.16	47.20 3.25 0.00	47.42 3.30 -1.89	42.63 2.90 0.00	46.73 3.01 0.00	47.44 2.89 0.00	46.08 2.81 0.00	45.72 2.87 0.00	46.74 3.10 0.00	53.85 3.37 -3.66	65.74 4.10 -7.64	92.23 5.26 -22.03	100.59 6.38 -16.36	95.79 6.06 -14.88	82.62 5.48 -6.95	79.55 4.89 -9.45	72.61 4.44 -7.29	67.78 4.08 -6.30
WADING RIVER_IC_2 23547	46.13 2.91 -2.30	44.31 2.76 -2.11	41.00 2.39 0.00	40.22 2.49 0.00	41.08 2.62 0.00	44.05 2.71 -2.69	45.68 3.14 -0.16	47.20 3.25 0.00	47.42 3.30 -1.89	42.63 2.90 0.00	46.73 3.01 0.00	47.44 2.89 0.00	46.08 2.81 0.00	45.72 2.87 0.00	46.74 3.10 0.00	53.85 3.37 -3.66	65.74 4.10 -7.64	92.23 5.26 -22.03	100.59 6.38 -16.36	95.79 6.06 -14.88	82.62 5.48 -6.95	79.55 4.89 -9.45	72.61 4.44 -7.29	67.78 4.08 -6.30
WADING RIVER_IC_3 23601	46.13 2.91 -2.30	44.31 2.76 -2.11	41.00 2.39 0.00	40.22 2.49 0.00	41.08 2.62 0.00	44.05 2.71 -2.69	45.68 3.14 -0.16	47.20 3.25 0.00	47.42 3.30 -1.89	42.63 2.90 0.00	46.73 3.01 0.00	47.44 2.89 0.00	46.08 2.81 0.00	45.72 2.87 0.00	46.74 3.10 0.00	53.85 3.37 -3.66	65.74 4.10 -7.64	92.23 5.26 -22.03	100.59 6.38 -16.36	95.79 6.06 -14.88	82.62 5.48 -6.95	79.55 4.89 -9.45	72.61 4.44 -7.29	67.78 4.08 -6.30
WALDENNY_12_KV_BK2 80841	39.21 -1.72 0.00	37.78 -1.66 0.00	36.94 -1.66 0.00	36.11 -1.62 0.00	37.00 -1.46 0.00	37.34 -1.31 0.00	39.97 -2.42 0.00	41.53 -2.42 0.00	39.49 -2.75 0.00	37.15 -2.58 0.00	40.48 -3.23 0.00	41.25 -3.30 0.00	40.02 -3.25 0.00	39.81 -3.04 0.00	40.42 -3.23 0.00	43.40 -3.42 0.00	49.63 -4.37 0.00	58.91 -6.04 0.00	71.07 -6.77 0.00	67.81 -7.04 0.00	63.73 -6.46 0.00	59.85 -5.35 0.00	56.56 -4.32 0.00	54.59 -2.81 0.00
WALDEN__HYDRO 24148	42.40 1.47 0.00	40.86 1.42 0.00	39.95 1.35 0.00	39.05 1.32 0.00	39.84 1.38 0.00	40.05 1.39 0.00	44.04 1.65 0.00	45.53 1.58 0.00	43.88 1.65 0.00	41.32 1.59 0.00	45.38 1.66 0.00	46.24 1.69 0.00	44.91 1.64 0.00	44.52 1.67 0.00	45.30 1.66 0.00	48.50 1.69 0.00	56.00 2.00 0.00	68.99 2.66 -1.39	81.20 3.19 -0.17	77.25 3.14 0.74	71.58 2.88 1.48	67.42 2.41 0.19	62.13 1.95 0.70	59.01 1.61 0.00
WARRENSBURG____ 23737	44.44 3.52 0.00	42.79 3.35 0.00	41.88 3.28 0.00	40.90 3.17 0.00	41.65 3.19 0.00	41.94 3.28 0.00	46.16 3.77 0.00	47.82 3.87 0.00	45.82 3.59 0.00	42.99 3.26 0.00	47.30 3.59 0.00	48.51 3.96 0.00	46.82 3.55 0.00	46.53 3.69 0.00	47.49 3.84 0.00	51.08 4.26 0.00	59.40 5.40 0.00	85.85 6.88 -14.02	98.20 8.17 -12.19	104.21 7.78 -21.58	87.40 7.23 -9.98	84.51 6.91 -12.40	67.21 6.33 0.00	63.26 5.86 0.00
WATERSIDE____6 8 9 23538	40.80 2.01 2.13	39.04 1.89 2.29	37.90 1.74 2.43	39.36 1.66 0.03	40.16 1.73 0.03	40.29 1.66 0.03	42.60 2.16 1.95	44.45 2.20 1.69	42.53 2.32 2.03	39.64 2.34 2.44	44.52 2.49 1.68	45.41 2.54 1.68	44.23 2.51 1.54	44.02 2.49 1.31	44.33 2.49 1.81	47.86 2.43 1.39	56.37 2.75 0.38	69.74 3.38 -1.42	85.50 3.97 -3.69	87.84 3.97 -9.02	80.86 3.79 -6.88	72.77 2.93 -4.63	65.05 2.50 -1.67	59.44 2.35 0.32
WATKINRD_115KV_LN8_ILLION 55919	41.17 0.25 0.00	39.71 0.28 0.00	38.87 0.27 0.00	38.00 0.26 0.00	38.69 0.23 0.00	38.89 0.23 0.00	42.65 0.25 0.00	44.17 0.22 0.00	42.45 0.21 0.00	39.93 0.20 0.00	43.89 0.17 0.00	44.68 0.13 0.00	43.35 0.09 0.00	42.93 0.09 0.00	43.73 0.09 0.00	46.91 0.09 0.00	54.16 0.16 0.00	65.27 0.32 0.00	78.38 0.54 0.00	75.37 0.52 0.00	70.68 0.49 0.00	65.72 0.52 0.00	61.31 0.43 0.00	57.75 0.34 0.00
WATSON__69_KV_BK 1 55734	46.33 3.11 -2.30	44.54 3.00 -2.11	41.19 2.59 0.00	40.37 2.64 0.00	41.34 2.88 0.00	44.29 2.94 -2.69	45.94 3.39 -0.16	47.38 3.43 0.00	47.63 3.51 -1.89	42.83 3.10 0.00	47.08 3.37 0.00	47.84 3.30 0.00	46.47 3.20 0.00	46.10 3.26 0.00	47.09 3.45 0.00	54.13 3.65 -3.66	66.01 4.37 -7.64	92.62 5.65 -22.03	100.90 6.69 -16.36	96.24 6.51 -14.88	83.11 5.97 -6.95	79.94 5.28 -9.45	72.92 4.75 -7.29	68.01 4.31 -6.30
WDELAWARE__HYD 323627	42.23 1.31 0.00	40.66 1.22 0.00	39.76 1.16 0.00	38.90 1.17 0.00	39.65 1.19 0.00	39.86 1.20 0.00	43.83 1.44 0.00	45.40 1.45 0.00	43.67 1.44 0.00	41.08 1.35 0.00	45.03 1.31 0.00	45.93 1.38 0.00	44.56 1.30 0.00	44.18 1.33 0.00	45.00 1.35 0.00	48.22 1.40 0.00	55.84 1.84 0.00	68.93 2.53 -1.46	81.48 3.19 -0.45	77.96 3.14 0.03	72.15 2.88 0.91	67.71 2.34 -0.17	62.22 1.89 0.55	58.89 1.49 0.00



WEST BABYLON___IC 23714	46.21 2.99 -2.30	44.43 2.88 -2.11	41.07 2.47 0.00	40.26 2.53 0.00	41.19 2.73 0.00	44.13 2.78 -2.69	45.77 3.22 -0.16	47.20 3.25 0.00	47.46 3.34 -1.89	42.71 2.98 0.00	46.95 3.23 0.00	47.71 3.16 0.00	46.38 3.12 0.00	46.02 3.17 0.00	46.96 3.32 0.00	53.94 3.46 -3.66	65.74 4.10 -7.64	92.24 5.26 -22.03	100.43 6.23 -16.36	95.79 6.06 -14.88	82.68 5.54 -6.95	79.55 4.89 -9.45	72.55 4.38 -7.29	67.66 3.96 -6.30
WEST CANADA___HYD 24049	41.05 0.12 0.00	39.56 0.12 0.00	38.76 0.16 0.00	37.88 0.15 0.00	38.58 0.12 0.00	38.77 0.12 0.00	42.52 0.13 0.00	44.08 0.13 0.00	42.40 0.17 0.00	39.89 0.16 0.00	43.89 0.18 0.00	44.72 0.18 0.00	43.44 0.17 0.00	43.02 0.17 0.00	43.82 0.18 0.00	47.00 0.19 0.00	54.33 0.33 0.00	65.34 0.39 0.00	78.39 0.55 0.00	75.38 0.53 0.00	70.68 0.49 0.00	65.59 0.39 0.00	61.19 0.31 0.00	57.69 0.29 0.00
WESTERN_NY_WIND 24143	39.49 -1.43 0.00	38.02 -1.42 0.00	37.17 -1.43 0.00	36.37 -1.36 0.00	37.23 -1.23 0.00	37.58 -1.08 0.00	40.31 -2.08 0.00	42.01 -1.93 0.00	40.00 -2.24 0.00	37.51 -2.22 0.00	40.96 -2.75 0.00	41.78 -2.76 0.00	40.41 -2.86 0.00	40.15 -2.70 0.00	40.81 -2.84 0.00	43.91 -2.90 0.00	50.22 -3.78 0.00	59.81 -5.13 0.00	72.39 -5.45 0.00	69.16 -5.69 0.00	64.78 -5.40 0.00	60.83 -4.37 0.00	57.35 -3.53 0.00	55.16 -2.24 0.00
WESTOVER___LESR 323668	40.88 -0.04 0.00	39.44 0.00 0.00	38.60 0.00 0.00	37.73 0.00 0.00	38.54 0.08 0.00	38.74 0.08 0.00	42.26 -0.13 0.00	43.77 -0.18 0.00	41.94 -0.30 0.00	39.45 -0.28 0.00	43.28 -0.44 0.00	44.10 -0.45 0.00	42.79 -0.48 0.00	42.38 -0.47 0.00	43.16 -0.48 0.00	46.35 -0.47 0.00	53.41 -0.59 0.00	64.90 -0.65 0.00	77.75 -0.62 0.00	74.96 -0.82 0.00	69.92 -0.70 0.00	65.09 -0.65 0.00	60.27 -0.61 0.00	57.23 -0.17 0.00
WETHRSFD_WT_PWR 323626	38.63 -2.29 0.00	37.38 -2.05 0.00	36.59 -2.01 0.00	35.73 -2.00 0.00	36.58 -1.88 0.00	36.84 -1.82 0.00	39.59 -2.80 0.00	40.87 -3.08 0.00	38.94 -3.29 0.00	36.63 -3.10 0.00	39.96 -3.76 0.00	40.62 -3.92 0.00	39.33 -3.94 0.00	38.99 -3.86 0.00	39.63 -4.01 0.00	42.56 -4.26 0.00	48.87 -5.13 0.00	58.77 -6.17 0.00	70.99 -6.85 0.00	68.04 -6.81 0.00	63.87 -6.32 0.00	59.98 -5.22 0.00	56.44 -4.44 0.00	54.48 -2.93 0.00
WHAVSTOR_138KV_BK127 55557	42.23 1.31 0.00	40.74 1.30 0.00	39.84 1.24 0.00	38.98 1.25 0.00	39.77 1.31 0.00	39.93 1.28 0.00	43.87 1.48 0.00	45.40 1.45 0.00	43.80 1.56 0.00	41.32 1.59 0.00	45.33 1.62 0.00	46.19 1.65 0.00	44.87 1.60 0.00	44.43 1.59 0.00	45.22 1.57 0.00	48.36 1.54 0.00	55.68 1.67 0.00	68.51 2.21 -1.35	77.52 2.49 2.81	68.30 2.47 9.02	63.93 2.32 8.57	62.68 1.76 4.28	59.58 1.40 2.70	58.49 1.09 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	42.23 1.31 0.00	40.74 1.30 0.00	39.84 1.24 0.00	38.98 1.25 0.00	39.77 1.31 0.00	39.93 1.28 0.00	43.87 1.48 0.00	45.40 1.45 0.00	43.80 1.56 0.00	41.32 1.59 0.00	45.33 1.62 0.00	46.19 1.65 0.00	44.87 1.60 0.00	44.43 1.59 0.00	45.22 1.57 0.00	48.36 1.54 0.00	55.68 1.67 0.00	68.51 2.21 -1.35	77.52 2.49 2.81	68.30 2.47 9.02	63.93 2.32 8.57	62.68 1.76 4.28	59.58 1.40 2.70	58.49 1.09 0.00
WHITEHAL_115KV_TB1 80871	45.14 4.22 0.00	43.46 4.02 0.00	42.54 3.94 0.00	41.54 3.81 0.00	42.31 3.85 0.00	42.64 3.98 0.00	46.93 4.54 0.00	48.52 4.57 0.00	46.50 4.27 0.00	43.55 3.81 0.00	48.00 4.28 0.00	49.18 4.63 0.00	47.42 4.15 0.00	47.13 4.28 0.00	48.10 4.45 0.00	51.78 4.96 0.00	60.43 6.43 0.00	87.14 8.25 -13.94	99.84 9.89 -12.12	105.81 9.51 -21.46	88.95 8.84 -9.92	85.88 8.35 -12.34	68.49 7.61 0.00	64.46 7.06 0.00
WHITEPLN_13_KV_LOAD 356215	42.97 2.05 0.00	41.41 1.97 0.00	40.38 1.78 0.00	39.47 1.74 0.00	40.27 1.81 0.00	40.48 1.82 0.00	44.55 2.16 0.00	46.14 2.20 0.00	44.52 2.28 0.00	41.92 2.19 0.00	46.08 2.36 0.00	47.00 2.45 0.00	45.65 2.38 0.00	45.20 2.36 0.00	46.05 2.40 0.00	49.25 2.43 0.00	56.86 2.86 0.00	70.06 3.70 -1.41	86.20 4.44 -3.92	88.70 4.19 -9.66	81.62 4.00 -7.43	73.41 3.26 -4.94	65.45 2.74 -1.82	59.70 2.30 0.00
WM_FLOYD_69_KV_BK2 356380	46.13 2.91 -2.30	44.35 2.80 -2.11	41.03 2.43 0.00	40.22 2.49 0.00	41.15 2.69 0.00	44.09 2.74 -2.69	45.73 3.18 -0.16	47.16 3.21 0.00	47.38 3.25 -1.89	42.63 2.90 0.00	46.73 3.02 0.00	47.44 2.90 0.00	46.08 2.81 0.00	45.68 2.83 0.00	46.74 3.10 0.00	53.80 3.32 -3.66	65.69 4.05 -7.64	92.24 5.26 -22.03	100.59 6.38 -16.36	95.79 6.06 -14.88	82.68 5.54 -6.95	79.55 4.89 -9.45	72.61 4.44 -7.29	67.78 4.08 -6.30
WOODARD___115KV_TB2 355635	40.23 -0.70 0.00	38.73 -0.71 0.00	37.95 -0.66 0.00	37.09 -0.64 0.00	37.81 -0.65 0.00	38.04 -0.62 0.00	41.63 -0.76 0.00	43.20 -0.75 0.00	41.47 -0.76 0.00	39.02 -0.72 0.00	42.93 -0.79 0.00	43.74 -0.80 0.00	42.49 -0.78 0.00	42.03 -0.81 0.00	42.86 -0.79 0.00	46.02 -0.80 0.00	53.08 -0.92 0.00	63.84 -1.10 0.00	76.67 -1.17 0.00	73.50 -1.35 0.00	68.92 -1.26 0.00	63.96 -1.24 0.00	59.79 -1.10 0.00	56.48 -0.92 0.00
YORK___WARBASSE 23770	58.08 2.33 -14.83	57.48 2.21 -15.84	57.50 2.05 -16.85	39.72 1.77 -0.21	40.59 1.92 -0.21	40.68 1.82 -0.21	58.36 2.46 -13.52	58.18 2.50 -11.72	58.92 2.66 -14.02	59.29 2.66 -16.89	58.22 2.84 -11.66	59.04 2.90 -11.60	58.98 2.86 -12.85	58.97 2.79 -13.34	58.94 2.79 -12.50	59.27 2.81 -9.65	59.85 3.19 -2.66	70.26 3.90 -1.42	86.05 4.51 -3.69	88.50 4.57 -9.09	81.41 4.28 -6.95	73.22 3.39 -4.63	65.53 2.98 -1.67	62.46 2.81 -2.25