

# Day Ahead Market Generator LBMP

		--- LBMP \$						--- Marginal Cost of Losses						--- Marginal Cost of Congestion											
Generator Data		10/24/2025																							
Name		00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID		EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1		41.04	38.86	38.64	38.05	38.28	44.18	66.23	88.08	75.72	54.51	47.83	44.75	43.81	44.95	44.35	45.96	55.17	68.44	87.16	76.27	64.31	53.20	49.34	46.39
24138		2.47	2.20	2.08	2.02	2.03	2.54	3.87	5.99	4.82	3.75	3.25	3.08	3.13	3.33	3.32	3.25	3.99	4.54	6.08	4.92	3.41	2.77	2.62	2.42
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.05	0.00	0.00	0.00	0.00	0.00	0.00	-0.08	0.00	0.05	0.01	0.00	0.00	0.00	0.00
74TH STREET_GT_1		41.12	38.94	38.68	38.08	38.36	44.22	66.29	88.16	75.79	54.47	47.87	44.79	43.85	44.99	44.39	46.00	55.14	68.51	87.24	76.34	64.37	53.30	49.44	46.48
24260		2.55	2.27	2.12	2.05	2.10	2.58	3.93	6.07	4.89	3.70	3.30	3.12	3.17	3.37	3.36	3.29	3.94	4.60	6.17	4.99	3.47	2.87	2.71	2.51
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.06	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.10	0.00	0.05	0.01	0.00	0.00	0.00	0.00
74TH STREET_GT_2		41.12	38.94	38.68	38.08	38.36	44.22	66.29	88.16	75.79	54.47	47.87	44.79	43.85	44.99	44.39	46.00	55.14	68.51	87.24	76.34	64.37	53.30	49.44	46.48
24261		2.55	2.27	2.12	2.05	2.10	2.58	3.93	6.07	4.89	3.70	3.30	3.12	3.17	3.37	3.36	3.29	3.94	4.60	6.17	4.99	3.47	2.87	2.71	2.51
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.06	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.10	0.00	0.05	0.01	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS		39.69	37.73	37.66	37.18	37.41	43.06	64.85	85.20	73.31	51.57	45.11	42.08	41.04	42.07	41.64	43.43	52.64	66.40	84.33	73.70	62.97	51.79	48.08	45.29
24011		1.12	1.06	1.10	1.15	1.16	1.42	2.49	3.12	2.41	0.86	0.53	0.42	0.37	0.46	0.62	0.73	1.53	2.49	3.24	2.35	2.07	1.36	1.36	1.32
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00
ADK RESOURCE___RCVRY		39.81	37.84	37.77	37.26	37.49	43.14	65.10	85.53	73.60	51.67	45.15	42.12	41.08	42.16	41.64	43.47	52.69	66.59	84.65	74.06	63.15	51.94	48.18	45.42
23798		1.23	1.17	1.20	1.23	1.23	1.50	2.74	3.45	2.69	0.96	0.58	0.46	0.41	0.54	0.62	0.77	1.59	2.68	3.57	2.71	2.25	1.51	1.45	1.45
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS		39.69	37.73	37.66	37.18	37.41	43.06	64.85	85.20	73.31	51.57	45.11	42.08	41.04	42.07	41.64	43.43	52.64	66.40	84.33	73.70	62.97	51.79	48.08	45.29
24028		1.12	1.06	1.10	1.15	1.16	1.42	2.49	3.12	2.41	0.86	0.53	0.42	0.37	0.46	0.62	0.73	1.53	2.49	3.24	2.35	2.07	1.36	1.36	1.32
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00
ADK_NYS___DAM		39.73	37.76	37.66	37.08	37.41	43.01	64.10	84.30	72.25	51.42	44.84	42.04	40.87	42.07	41.60	43.43	53.00	66.72	84.17	73.49	63.21	51.59	47.80	45.16
23527		1.16	1.10	1.10	1.05	1.16	1.37	1.74	2.22	1.34	0.71	0.27	0.37	0.20	0.46	0.57	0.73	1.89	2.81	3.08	2.14	2.31	1.16	1.08	1.19
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP		38.50	36.77	36.56	36.07	36.25	41.64	62.05	81.75	70.34	50.05	43.99	41.21	40.30	41.24	40.82	42.41	51.06	63.91	81.00	70.92	60.65	49.92	46.35	43.79
24190		-0.08	0.11	0.00	0.04	0.00	0.00	-0.31	-0.33	-0.57	-0.66	-0.58	-0.46	-0.37	-0.37	-0.21	-0.30	-0.05	0.00	-0.08	-0.43	-0.24	-0.50	-0.37	-0.18
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00
AKWESSNE_115KV_BK		39.00	37.07	36.93	36.46	36.62	42.06	62.80	82.49	71.40	51.32	45.19	42.25	41.12	42.07	41.47	43.05	51.41	64.29	81.28	71.93	61.63	50.98	47.38	44.50
355683		0.42	0.40	0.37	0.43	0.36	0.42	0.44	0.41	0.50	0.61	0.62	0.58	0.45	0.46	0.45	0.34	0.31	0.38	0.16	0.57	0.73	0.55	0.65	0.53
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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		39.38	37.51	37.40	36.86	37.31	42.89	64.36	84.54	72.53	51.22	44.75	41.79	40.79	41.82	41.35	43.18	51.98	65.31	82.95	72.70	62.05	51.23	47.52	44.85
323833		0.81	0.84	0.84	0.83	1.05	1.25	2.00	2.46	1.63	0.51	0.18	0.13	0.12	0.21	0.33	0.47	0.87	1.40	1.87	1.35	1.15	0.80	0.79	0.88
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	0.00	0.00
ALBANY_2_SOLAR		39.38	37.51	37.40	36.82	37.31	42.89	64.36	84.46	72.46	51.22	44.75	41.79	40.79	41.82	41.35	43.18	51.98	65.25	82.95	72.70	62.05	51.23	47.52	44.85
323834		0.81	0.84	0.84	0.79	1.05	1.25	2.00	2.38	1.56	0.51	0.18	0.13	0.12	0.21	0.33	0.47	0.87	1.34	1.87	1.35	1.15	0.80	0.79	0.88
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	0.00	0.00
ALBANY___1		38.50	36.77	36.56	36.07	36.25	41.64	62.05	81.75	70.34	50.05	43.99	41.21	40.30	41.24	40.82	42.41	51.06	63.91	81.00	70.92	60.65	49.92	46.35	43.79
23571		-0.08	0.11	0.00	0.04	0.00	0.00	-0.31	-0.33	-0.57	-0.66	-0.58	-0.46	-0.37	-0.37	-0.21	-0.30	-0.05	0.00	-0.08	-0.43	-0.24	-0.50	-0.37	-0.18
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00



ALBANY___2 23572	38.50 -0.08 0.00	36.77 0.11 0.00	36.56 0.00 0.00	36.07 0.04 0.00	36.25 0.00 0.00	41.64 0.00 0.00	62.05 -0.31 0.00	81.75 -0.33 0.00	70.34 -0.57 0.00	50.05 -0.66 0.00	43.99 -0.58 0.00	41.21 -0.46 0.00	40.30 -0.37 0.00	41.24 -0.37 0.00	40.82 -0.21 0.00	42.41 -0.30 0.00	51.06 -0.05 0.00	63.91 0.00 0.00	81.00 -0.08 0.03	70.92 -0.43 0.01	60.65 -0.24 0.00	49.92 -0.50 0.00	46.35 -0.37 0.00	43.79 -0.18 0.00
ALBANY___3 23573	38.50 -0.08 0.00	36.77 0.11 0.00	36.56 0.00 0.00	36.07 0.04 0.00	36.25 0.00 0.00	41.64 0.00 0.00	62.05 -0.31 0.00	81.75 -0.33 0.00	70.34 -0.57 0.00	50.05 -0.66 0.00	43.99 -0.58 0.00	41.21 -0.46 0.00	40.30 -0.37 0.00	41.24 -0.37 0.00	40.82 -0.21 0.00	42.41 -0.30 0.00	51.06 -0.05 0.00	63.91 0.00 0.00	81.00 -0.08 0.03	70.92 -0.43 0.01	60.65 -0.24 0.00	49.92 -0.50 0.00	46.35 -0.37 0.00	43.79 -0.18 0.00
ALBANY___4 23574	38.50 -0.08 0.00	36.77 0.11 0.00	36.56 0.00 0.00	36.07 0.04 0.00	36.25 0.00 0.00	41.64 0.00 0.00	62.05 -0.31 0.00	81.75 -0.33 0.00	70.34 -0.57 0.00	50.05 -0.66 0.00	43.99 -0.58 0.00	41.21 -0.46 0.00	40.30 -0.37 0.00	41.24 -0.37 0.00	40.82 -0.21 0.00	42.41 -0.30 0.00	51.06 -0.05 0.00	63.91 0.00 0.00	81.00 -0.08 0.03	70.92 -0.43 0.01	60.65 -0.24 0.00	49.92 -0.50 0.00	46.35 -0.37 0.00	43.79 -0.18 0.00
ALBANY___LFGE 323615	38.88 0.31 0.00	37.11 0.44 0.00	36.89 0.33 0.00	36.32 0.29 0.00	36.58 0.33 0.00	42.06 0.42 0.00	62.80 0.44 0.00	82.66 0.58 0.00	71.12 0.21 0.00	50.56 -0.15 0.00	44.39 -0.18 0.00	41.58 -0.08 0.00	40.63 -0.04 0.00	41.62 0.00 0.00	41.15 0.12 0.00	42.83 0.13 0.00	51.57 0.46 0.00	64.61 0.70 0.00	81.98 0.89 0.03	71.78 0.43 0.01	61.27 0.37 0.00	50.43 0.00 0.00	46.82 0.09 0.00	44.24 0.27 0.00
ALCOA_PA_115KV_PL-6C 55860	39.31 0.73 0.00	37.36 0.70 0.00	37.22 0.66 0.00	36.75 0.72 0.00	36.91 0.65 0.00	42.39 0.75 0.00	63.30 0.94 0.00	83.15 1.07 0.00	71.97 1.06 0.00	51.72 1.01 0.00	45.51 0.94 0.00	42.58 0.92 0.00	41.48 0.81 0.00	42.45 0.83 0.00	41.80 0.78 0.00	43.30 0.60 0.00	51.72 0.61 0.00	64.61 0.70 0.00	81.69 0.57 0.00	72.43 1.07 0.00	62.12 1.22 0.00	51.39 0.96 0.00	47.80 1.07 0.00	44.89 0.92 0.00
ALCOA_RYNLDS___DRP 24188	39.31 0.73 0.00	37.36 0.70 0.00	37.22 0.66 0.00	36.75 0.72 0.00	36.91 0.65 0.00	42.39 0.75 0.00	63.30 0.94 0.00	83.15 1.07 0.00	71.97 1.06 0.00	51.72 1.01 0.00	45.51 0.94 0.00	42.58 0.92 0.00	41.48 0.81 0.00	42.45 0.83 0.00	41.80 0.78 0.00	43.30 0.60 0.00	51.72 0.61 0.00	64.61 0.70 0.00	81.69 0.57 0.00	72.43 1.07 0.00	62.12 1.22 0.00	51.39 0.96 0.00	47.80 1.07 0.00	44.89 0.92 0.00
ALCOA___DSASP 323711	39.30 0.73 0.00	37.36 0.69 0.00	37.22 0.66 0.00	36.75 0.72 0.00	36.91 0.65 0.00	42.39 0.75 0.00	63.30 0.94 0.00	83.14 1.06 0.00	71.97 1.07 0.00	51.72 1.01 0.00	45.51 0.94 0.00	42.58 0.92 0.00	41.48 0.81 0.00	42.45 0.83 0.00	41.80 0.78 0.00	43.30 0.60 0.00	51.72 0.62 0.00	64.61 0.70 0.00	81.69 0.57 0.00	72.14 0.79 0.00	62.12 1.22 0.00	51.38 0.96 0.00	47.80 1.08 0.00	44.90 0.92 0.00
ALLEGHENY___COGEN 23514	39.61 1.04 0.00	37.58 0.92 0.00	37.58 1.02 0.00	37.04 1.01 0.00	37.12 0.87 0.00	42.52 0.88 0.00	64.23 1.87 0.00	83.72 1.64 0.00	72.60 1.70 0.00	51.78 1.07 0.00	45.28 0.71 0.00	42.08 0.42 0.00	41.24 0.57 0.00	41.99 0.37 0.00	41.39 0.37 0.00	43.30 0.60 0.00	51.31 0.21 0.00	65.06 1.15 0.00	83.35 2.43 0.20	73.87 2.57 0.05	62.72 1.83 0.00	52.64 2.22 0.00	48.36 1.63 0.00	45.29 1.32 0.00
ALTAMONT_115KV_TB 2 55880	39.04 0.46 0.00	37.14 0.48 0.00	37.00 0.44 0.00	36.46 0.43 0.00	36.72 0.47 0.00	42.18 0.54 0.00	62.98 0.62 0.00	83.07 0.98 0.00	71.47 0.57 0.00	51.01 0.30 0.00	44.75 0.18 0.00	41.87 0.21 0.00	40.91 0.24 0.00	41.91 0.29 0.00	41.39 0.37 0.00	43.09 0.38 0.00	51.77 0.66 0.00	64.74 0.83 0.00	82.14 1.05 0.03	71.99 0.64 0.01	61.45 0.55 0.00	50.73 0.30 0.00	47.10 0.37 0.00	44.37 0.40 0.00
ALTONA_WT_PWR 323606	39.00 0.43 0.00	37.07 0.40 0.00	36.93 0.37 0.00	36.54 0.50 0.00	36.69 0.44 0.00	42.18 0.54 0.00	62.67 0.31 0.00	82.33 0.25 0.00	71.33 0.43 0.00	51.32 0.61 0.00	45.37 0.80 0.00	42.25 0.58 0.00	41.12 0.45 0.00	42.07 0.46 0.00	41.43 0.41 0.00	43.13 0.43 0.00	51.31 0.21 0.00	64.16 0.26 0.00	81.12 0.00 0.00	71.50 0.14 0.00	61.51 0.61 0.00	50.83 0.40 0.00	47.43 0.70 0.00	44.54 0.57 0.00
AMERICAN_REF_FUEL 24010	37.22 -1.35 0.00	35.31 -1.36 0.00	35.10 -1.46 0.00	34.77 -1.26 0.00	34.62 -1.63 0.00	39.56 -2.08 0.00	58.31 -4.05 0.00	74.94 -7.14 0.00	66.36 -4.54 0.00	48.83 -1.88 0.00	43.23 -1.34 0.00	40.37 -1.29 0.00	39.69 -0.98 0.00	40.28 -1.33 0.00	39.75 -1.27 0.00	41.17 -1.54 0.00	47.63 -3.48 0.00	59.63 -4.28 0.00	75.56 -5.36 0.20	66.88 -4.42 0.05	56.94 -3.96 0.00	48.36 -2.07 0.00	44.67 -2.05 0.00	42.04 -1.93 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	38.69 0.12 0.00	36.70 0.04 0.00	36.45 -0.11 0.00	36.00 -0.04 0.00	35.89 -0.36 0.00	41.14 -0.50 0.00	61.43 -0.93 0.00	79.29 -2.79 0.00	69.70 -1.21 0.00	50.91 0.20 0.00	44.88 0.31 0.00	41.87 0.21 0.00	40.96 0.29 0.00	41.66 0.04 0.00	40.90 -0.12 0.00	42.41 -0.30 0.00	49.17 -1.94 0.00	61.99 -1.92 0.00	79.13 -1.79 0.20	70.02 -1.28 0.05	59.56 -1.34 0.00	50.48 0.05 0.00	46.54 -0.19 0.00	43.75 -0.22 0.00
ARTHUR KILL_GT_1 23520	41.16 2.58 -0.01	38.98 2.31 -0.01	38.76 2.19 -0.01	38.20 2.16 -0.01	38.44 2.18 -0.01	44.36 2.71 -0.01	65.91 3.55 0.00	87.50 5.42 -0.01	75.01 4.11 0.00	54.17 3.40 -0.06	47.97 3.39 -0.01	44.84 3.17 -0.01	43.90 3.21 -0.01	45.00 3.37 -0.01	44.40 3.36 -0.01	46.05 3.33 -0.01	55.14 3.94 -0.10	68.12 4.22 0.00	86.91 5.84 0.05	75.98 4.64 0.01	63.94 3.04 0.00	53.40 2.98 0.00	49.59 2.85 -0.01	46.57 2.59 -0.01
ARTHUR_KILL_2 23512	41.05 2.47 -0.01	38.91 2.24 -0.01	38.69 2.12 -0.01	38.06 2.02 -0.01	38.33 2.07 -0.01	44.23 2.58 -0.01	65.73 3.37 0.00	87.18 5.09 -0.01	74.80 3.90 0.00	54.02 3.25 -0.06	47.84 3.25 -0.01	44.72 3.04 -0.01	43.77 3.09 -0.01	44.92 3.29 -0.01	44.24 3.20 -0.01	45.92 3.20 -0.01	54.73 3.52 -0.10	67.87 3.96 0.00	86.59 5.52 0.05	75.92 4.57 0.01	63.70 2.80 0.00	53.25 2.82 0.00	49.35 2.62 -0.01	46.48 2.51 -0.01
ARTHUR_KILL_3 23513	40.85 2.28 0.00	38.68 2.02 0.00	38.42 1.86 0.00	37.80 1.77 0.00	38.07 1.81 0.00	43.93 2.29 0.00	65.79 3.43 0.00	87.42 5.33 -0.01	75.16 4.25 0.00	54.06 3.29 -0.05	47.47 2.90 -0.01	44.46 2.79 -0.01	43.52 2.85 -0.01	44.66 3.04 -0.01	44.02 2.99 -0.01	45.65 2.94 0.00	54.62 3.42 -0.09	67.87 3.96 0.00	86.51 5.44 0.05	75.92 4.57 0.01	63.82 2.92 0.00	52.85 2.42 0.00	49.02 2.29 0.00	46.17 2.20 0.00



ARTHUR_KILL_COGEN 323718	41.16 2.58 -0.01	38.98 2.31 -0.01	38.76 2.19 -0.01	38.16 2.13 -0.01	38.44 2.18 -0.01	44.36 2.71 -0.01	65.91 3.55 0.00	87.42 5.33 -0.01	75.01 4.11 0.00	54.17 3.40 -0.06	47.97 3.39 -0.01	44.84 3.16 -0.01	43.90 3.21 -0.01	45.00 3.37 -0.01	44.36 3.32 -0.01	46.01 3.29 -0.01	54.89 3.68 -0.10	68.06 4.15 0.00	86.92 5.84 0.05	76.13 4.78 0.01	63.88 2.98 0.00	53.40 2.97 0.00	49.49 2.76 -0.01	46.57 2.59 -0.01
ASHOKAN____ 23654	40.23 1.66 0.00	38.17 1.50 0.00	38.02 1.46 0.00	37.47 1.44 0.00	38.03 1.78 0.00	43.77 2.12 0.00	65.98 3.62 0.00	86.76 4.68 0.00	73.95 3.05 0.00	51.98 1.27 0.00	45.24 0.67 0.00	42.20 0.54 0.00	41.24 0.57 0.00	42.24 0.63 0.00	41.72 0.70 0.00	43.69 0.98 0.00	52.49 1.38 0.00	66.27 2.37 0.00	84.65 3.57 0.04	74.41 3.07 0.01	62.90 2.01 0.00	52.39 1.96 0.00	48.50 1.78 0.00	45.82 1.85 0.00
ASTORIA_EAST_ENERGY_CC1 323581	41.32 2.74 -0.01	39.13 2.46 -0.01	38.94 2.38 -0.01	38.31 2.27 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.67 4.30 -0.01	88.08 5.99 -0.01	75.36 4.47 0.01	54.31 3.55 -0.05	47.78 3.21 0.00	44.74 3.08 0.00	43.80 3.13 0.00	44.94 3.33 0.00	44.26 3.24 0.00	45.91 3.20 0.00	54.98 3.78 -0.09	68.19 4.28 0.00	86.99 5.92 0.05	76.20 4.85 0.01	63.94 3.04 0.00	53.56 3.13 0.00	49.45 2.71 -0.01	46.66 2.68 -0.01
ASTORIA_EAST_ENERGY_CC2 323582	41.28 2.70 -0.01	39.13 2.46 -0.01	38.94 2.38 -0.01	38.31 2.27 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.61 4.24 -0.01	88.08 5.99 -0.01	75.29 4.40 0.01	54.26 3.50 -0.05	47.78 3.21 0.00	44.70 3.04 0.00	43.76 3.09 0.00	44.90 3.29 0.00	44.26 3.24 0.00	45.91 3.20 0.00	54.92 3.73 -0.09	68.19 4.28 0.00	86.92 5.84 0.05	76.20 4.85 0.01	63.88 2.98 0.00	53.50 3.08 0.00	49.45 2.71 -0.01	46.66 2.68 -0.01
ASTORIA_GT2_1 24094	41.32 2.74 -0.01	39.13 2.46 -0.01	38.95 2.38 -0.01	38.35 2.31 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.67 4.30 -0.01	88.16 6.07 -0.01	75.30 4.40 0.00	54.31 3.55 -0.05	47.82 3.25 0.00	44.74 3.08 0.00	43.80 3.13 0.00	44.94 3.33 0.00	44.34 3.32 0.00	45.95 3.25 0.00	55.03 3.83 -0.09	68.25 4.35 0.00	87.00 5.92 0.05	75.98 4.64 0.01	63.94 3.04 0.00	53.55 3.13 0.00	49.54 2.80 -0.01	46.66 2.68 -0.01
ASTORIA_GT2_2 24095	41.32 2.74 -0.01	39.13 2.46 -0.01	38.95 2.38 -0.01	38.35 2.31 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.67 4.30 -0.01	88.16 6.07 -0.01	75.30 4.40 0.00	54.31 3.55 -0.05	47.82 3.25 0.00	44.74 3.08 0.00	43.80 3.13 0.00	44.94 3.33 0.00	44.34 3.32 0.00	45.95 3.25 0.00	55.03 3.83 -0.09	68.25 4.35 0.00	87.00 5.92 0.05	75.98 4.64 0.01	63.94 3.04 0.00	53.55 3.13 0.00	49.54 2.80 -0.01	46.66 2.68 -0.01
ASTORIA_GT2_3 24096	41.32 2.74 -0.01	39.13 2.46 -0.01	38.95 2.38 -0.01	38.35 2.31 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.67 4.30 -0.01	88.16 6.07 -0.01	75.30 4.40 0.00	54.31 3.55 -0.05	47.82 3.25 0.00	44.74 3.08 0.00	43.80 3.13 0.00	44.94 3.33 0.00	44.34 3.32 0.00	45.95 3.25 0.00	55.03 3.83 -0.09	68.25 4.35 0.00	87.00 5.92 0.05	75.98 4.64 0.01	63.94 3.04 0.00	53.55 3.13 0.00	49.54 2.80 -0.01	46.66 2.68 -0.01
ASTORIA_GT2_4 24097	41.32 2.74 -0.01	39.13 2.46 -0.01	38.95 2.38 -0.01	38.35 2.31 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.67 4.30 -0.01	88.16 6.07 -0.01	75.30 4.40 0.00	54.31 3.55 -0.05	47.82 3.25 0.00	44.74 3.08 0.00	43.80 3.13 0.00	44.94 3.33 0.00	44.34 3.32 0.00	45.95 3.25 0.00	55.03 3.83 -0.09	68.25 4.35 0.00	87.00 5.92 0.05	75.98 4.64 0.01	63.94 3.04 0.00	53.55 3.13 0.00	49.54 2.80 -0.01	46.66 2.68 -0.01
ASTORIA_GT3_1 24098	41.32 2.74 -0.01	39.13 2.46 -0.01	38.95 2.38 -0.01	38.35 2.31 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.67 4.30 -0.01	88.16 6.07 -0.01	75.30 4.40 0.00	54.31 3.55 -0.05	47.82 3.25 0.00	44.74 3.08 0.00	43.80 3.13 0.00	44.94 3.33 0.00	44.34 3.32 0.00	45.95 3.25 0.00	55.03 3.83 -0.09	68.25 4.35 0.00	87.00 5.92 0.05	75.98 4.64 0.01	63.94 3.04 0.00	53.55 3.13 0.00	49.54 2.80 -0.01	46.66 2.68 -0.01
ASTORIA_GT3_2 24099	41.32 2.74 -0.01	39.13 2.46 -0.01	38.95 2.38 -0.01	38.35 2.31 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.67 4.30 -0.01	88.16 6.07 -0.01	75.30 4.40 0.00	54.31 3.55 -0.05	47.82 3.25 0.00	44.74 3.08 0.00	43.80 3.13 0.00	44.94 3.33 0.00	44.34 3.32 0.00	45.95 3.25 0.00	55.03 3.83 -0.09	68.25 4.35 0.00	87.00 5.92 0.05	75.98 4.64 0.01	63.94 3.04 0.00	53.55 3.13 0.00	49.54 2.80 -0.01	46.66 2.68 -0.01
ASTORIA_GT3_3 24100	41.32 2.74 -0.01	39.13 2.46 -0.01	38.95 2.38 -0.01	38.35 2.31 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.67 4.30 -0.01	88.16 6.07 -0.01	75.30 4.40 0.00	54.31 3.55 -0.05	47.82 3.25 0.00	44.74 3.08 0.00	43.80 3.13 0.00	44.94 3.33 0.00	44.34 3.32 0.00	45.95 3.25 0.00	55.03 3.83 -0.09	68.25 4.35 0.00	87.00 5.92 0.05	75.98 4.64 0.01	63.94 3.04 0.00	53.55 3.13 0.00	49.54 2.80 -0.01	46.66 2.68 -0.01
ASTORIA_GT3_4 24101	41.32 2.74 -0.01	39.13 2.46 -0.01	38.95 2.38 -0.01	38.35 2.31 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.67 4.30 -0.01	88.16 6.07 -0.01	75.30 4.40 0.00	54.31 3.55 -0.05	47.82 3.25 0.00	44.74 3.08 0.00	43.80 3.13 0.00	44.94 3.33 0.00	44.34 3.32 0.00	45.95 3.25 0.00	55.03 3.83 -0.09	68.25 4.35 0.00	87.00 5.92 0.05	75.98 4.64 0.01	63.94 3.04 0.00	53.55 3.13 0.00	49.54 2.80 -0.01	46.66 2.68 -0.01
ASTORIA_GT4_1 24102	41.32 2.74 -0.01	39.13 2.46 -0.01	38.95 2.38 -0.01	38.35 2.31 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.67 4.30 -0.01	88.16 6.07 -0.01	75.30 4.40 0.00	54.31 3.55 -0.05	47.82 3.25 0.00	44.74 3.08 0.00	43.80 3.13 0.00	44.94 3.33 0.00	44.34 3.32 0.00	45.95 3.25 0.00	55.03 3.83 -0.09	68.25 4.35 0.00	87.00 5.92 0.05	75.98 4.64 0.01	63.94 3.04 0.00	53.55 3.13 0.00	49.54 2.80 -0.01	46.66 2.68 -0.01
ASTORIA_GT4_2 24103	41.32 2.74 -0.01	39.13 2.46 -0.01	38.95 2.38 -0.01	38.35 2.31 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.67 4.30 -0.01	88.16 6.07 -0.01	75.30 4.40 0.00	54.31 3.55 -0.05	47.82 3.25 0.00	44.74 3.08 0.00	43.80 3.13 0.00	44.94 3.33 0.00	44.34 3.32 0.00	45.95 3.25 0.00	55.03 3.83 -0.09	68.25 4.35 0.00	87.00 5.92 0.05	75.98 4.64 0.01	63.94 3.04 0.00	53.55 3.13 0.00	49.54 2.80 -0.01	46.66 2.68 -0.01
ASTORIA_GT4_3 24104	41.32 2.74 -0.01	39.13 2.46 -0.01	38.95 2.38 -0.01	38.35 2.31 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.67 4.30 -0.01	88.16 6.07 -0.01	75.30 4.40 0.00	54.31 3.55 -0.05	47.82 3.25 0.00	44.74 3.08 0.00	43.80 3.13 0.00	44.94 3.33 0.00	44.34 3.32 0.00	45.95 3.25 0.00	55.03 3.83 -0.09	68.25 4.35 0.00	87.00 5.92 0.05	75.98 4.64 0.01	63.94 3.04 0.00	53.55 3.13 0.00	49.54 2.80 -0.01	46.66 2.68 -0.01



ASTORIA_GT4_4 24105	41.32 2.74 -0.01	39.13 2.46 -0.01	38.95 2.38 -0.01	38.35 2.31 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.67 4.30 -0.01	88.16 6.07 -0.01	75.30 4.40 0.00	54.31 3.55 -0.05	47.82 3.25 0.00	44.74 3.08 0.00	43.80 3.13 0.00	44.94 3.33 0.00	44.34 3.32 0.00	45.95 3.25 0.00	55.03 3.83 -0.09	68.25 4.35 0.00	87.00 5.92 0.05	75.98 4.64 0.01	63.94 3.04 0.00	53.55 3.13 0.00	49.54 2.80 -0.01	46.66 2.68 -0.01
ASTORIA_GT_1 23523	41.36 2.78 -0.01	39.20 2.53 -0.01	38.98 2.41 -0.01	38.42 2.38 -0.01	38.65 2.39 -0.01	44.52 2.87 -0.01	66.80 4.43 -0.01	88.33 6.24 -0.01	75.51 4.61 0.00	54.41 3.65 -0.05	47.91 3.34 0.00	44.83 3.17 0.00	43.88 3.21 0.00	45.03 3.41 0.00	44.43 3.40 0.00	46.03 3.33 0.00	55.18 3.99 -0.09	68.38 4.47 0.00	87.16 6.08 0.05	76.20 4.85 0.01	64.06 3.17 0.00	53.60 3.18 0.00	49.59 2.85 -0.01	46.70 2.73 -0.01
ASTORIA_GT_10 24110	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.40 2.14 -0.01	44.27 2.62 -0.01	66.16 3.80 0.00	87.83 5.75 -0.01	75.37 4.47 0.00	54.27 3.50 -0.06	47.84 3.25 -0.01	44.72 3.04 -0.01	43.77 3.09 -0.01	44.96 3.33 -0.01	44.36 3.32 -0.01	45.92 3.20 -0.01	54.99 3.78 -0.10	68.19 4.28 0.00	86.75 5.68 0.05	75.91 4.57 0.01	63.94 3.04 0.00	53.25 2.82 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
ASTORIA_GT_11 24225	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.40 2.14 -0.01	44.27 2.62 -0.01	66.16 3.80 0.00	87.83 5.75 -0.01	75.37 4.47 0.00	54.27 3.50 -0.06	47.84 3.25 -0.01	44.72 3.04 -0.01	43.77 3.09 -0.01	44.96 3.33 -0.01	44.36 3.32 -0.01	45.92 3.20 -0.01	54.99 3.78 -0.10	68.19 4.28 0.00	86.75 5.68 0.05	75.91 4.57 0.01	63.94 3.04 0.00	53.25 2.82 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
ASTORIA_GT_12 24226	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.40 2.14 -0.01	44.27 2.62 -0.01	66.16 3.80 0.00	87.83 5.75 -0.01	75.37 4.47 0.00	54.27 3.50 -0.06	47.84 3.25 -0.01	44.72 3.04 -0.01	43.77 3.09 -0.01	44.96 3.33 -0.01	44.36 3.32 -0.01	45.92 3.20 -0.01	54.99 3.78 -0.10	68.19 4.28 0.00	86.75 5.68 0.05	75.91 4.57 0.01	63.94 3.04 0.00	53.25 2.82 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
ASTORIA_GT_13 24227	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.40 2.14 -0.01	44.27 2.62 -0.01	66.16 3.80 0.00	87.83 5.75 -0.01	75.37 4.47 0.00	54.27 3.50 -0.06	47.84 3.25 -0.01	44.72 3.04 -0.01	43.77 3.09 -0.01	44.96 3.33 -0.01	44.36 3.32 -0.01	45.92 3.20 -0.01	54.99 3.78 -0.10	68.19 4.28 0.00	86.75 5.68 0.05	75.91 4.57 0.01	63.94 3.04 0.00	53.25 2.82 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
ASTORIA_GT_5 24106	41.36 2.78 -0.01	39.20 2.53 -0.01	38.98 2.41 -0.01	38.42 2.38 -0.01	38.65 2.39 -0.01	44.52 2.87 -0.01	66.80 4.43 -0.01	88.33 6.24 -0.01	75.51 4.61 0.00	54.41 3.65 -0.05	47.91 3.34 0.00	44.83 3.17 0.00	43.88 3.21 0.00	45.03 3.41 0.00	44.43 3.40 0.00	46.03 3.33 0.00	55.18 3.99 -0.09	68.38 4.47 0.00	87.16 6.08 0.05	76.20 4.85 0.01	64.06 3.17 0.00	53.60 3.18 0.00	49.59 2.85 -0.01	46.70 2.73 -0.01
ASTORIA_GT_7 24107	41.36 2.78 -0.01	39.20 2.53 -0.01	38.98 2.41 -0.01	38.42 2.38 -0.01	38.65 2.39 -0.01	44.52 2.87 -0.01	66.80 4.43 -0.01	88.33 6.24 -0.01	75.51 4.61 0.00	54.41 3.65 -0.05	47.91 3.34 0.00	44.83 3.17 0.00	43.88 3.21 0.00	45.03 3.41 0.00	44.43 3.40 0.00	46.03 3.33 0.00	55.18 3.99 -0.09	68.38 4.47 0.00	87.16 6.08 0.05	76.20 4.85 0.01	64.06 3.17 0.00	53.60 3.18 0.00	49.59 2.85 -0.01	46.70 2.73 -0.01
ASTORIA_GT_8 24108	41.36 2.78 -0.01	39.20 2.53 -0.01	38.98 2.41 -0.01	38.42 2.38 -0.01	38.65 2.39 -0.01	44.52 2.87 -0.01	66.80 4.43 -0.01	88.33 6.24 -0.01	75.51 4.61 0.00	54.41 3.65 -0.05	47.91 3.34 0.00	44.83 3.17 0.00	43.88 3.21 0.00	45.03 3.41 0.00	44.43 3.40 0.00	46.03 3.33 0.00	55.18 3.99 -0.09	68.38 4.47 0.00	87.16 6.08 0.05	76.20 4.85 0.01	64.06 3.17 0.00	53.60 3.18 0.00	49.59 2.85 -0.01	46.70 2.73 -0.01
ASTORIA___2 24149	41.32 2.74 -0.01	39.13 2.46 -0.01	38.94 2.38 -0.01	38.31 2.27 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.67 4.30 -0.01	88.08 5.99 -0.01	75.36 4.47 0.01	54.31 3.55 -0.05	47.78 3.21 0.00	44.74 3.08 0.00	43.80 3.13 0.00	44.94 3.33 0.00	44.26 3.24 0.00	45.91 3.20 0.00	54.98 3.78 -0.09	68.19 4.28 0.00	86.99 5.92 0.05	76.20 4.85 0.01	63.94 3.04 0.00	53.56 3.13 0.00	49.45 2.71 -0.01	46.66 2.68 -0.01
ASTORIA___3 23516	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.40 2.14 -0.01	44.28 2.63 -0.01	66.16 3.80 0.00	87.75 5.66 -0.01	75.37 4.47 0.00	54.26 3.50 -0.06	47.79 3.21 -0.01	44.72 3.04 -0.01	43.77 3.09 -0.01	44.96 3.33 -0.01	44.28 3.24 -0.01	45.92 3.20 -0.01	54.89 3.68 -0.10	68.12 4.22 0.00	86.75 5.68 0.05	76.05 4.71 0.01	63.94 3.04 0.00	53.25 2.82 0.00	49.40 2.66 -0.01	46.53 2.55 -0.01
ASTORIA___4 23517	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.40 2.14 -0.01	44.27 2.62 -0.01	66.16 3.80 0.00	87.83 5.75 -0.01	75.37 4.47 0.00	54.27 3.50 -0.06	47.84 3.25 -0.01	44.72 3.04 -0.01	43.77 3.09 -0.01	44.96 3.33 -0.01	44.36 3.32 -0.01	45.92 3.20 -0.01	54.99 3.78 -0.10	68.19 4.28 0.00	86.75 5.68 0.05	75.91 4.57 0.01	63.94 3.04 0.00	53.25 2.82 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
ASTORIA___5 23518	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.40 2.14 -0.01	44.28 2.63 -0.01	66.16 3.80 0.00	87.75 5.66 -0.01	75.37 4.47 0.00	54.26 3.50 -0.06	47.79 3.21 -0.01	44.72 3.04 -0.01	43.77 3.09 -0.01	44.96 3.33 -0.01	44.28 3.24 -0.01	45.92 3.20 -0.01	54.89 3.68 -0.10	68.12 4.22 0.00	86.75 5.68 0.05	76.05 4.71 0.01	63.94 3.04 0.00	53.25 2.82 0.00	49.40 2.66 -0.01	46.53 2.55 -0.01
AST_ENERGY_2_CC3 323677	41.05 2.47 -0.01	38.91 2.24 -0.01	38.69 2.12 -0.01	38.09 2.05 -0.01	38.33 2.07 -0.01	44.19 2.54 -0.01	66.24 3.87 -0.01	87.59 5.50 -0.01	74.86 3.97 0.01	53.96 3.20 -0.05	47.46 2.90 0.00	44.45 2.79 0.00	43.51 2.85 0.00	44.65 3.04 0.00	43.98 2.96 0.00	45.61 2.91 0.00	54.62 3.42 -0.09	67.74 3.83 0.00	86.43 5.35 0.05	75.70 4.35 0.01	63.51 2.62 0.00	53.20 2.77 0.00	49.12 2.38 -0.01	46.35 2.37 -0.01
AST_ENERGY_2_CC4 323678	41.05 2.47 -0.01	38.91 2.24 -0.01	38.69 2.12 -0.01	38.09 2.05 -0.01	38.33 2.07 -0.01	44.19 2.54 -0.01	66.24 3.87 -0.01	87.59 5.50 -0.01	74.86 3.97 0.01	53.96 3.20 -0.05	47.46 2.90 0.00	44.45 2.79 0.00	43.51 2.85 0.00	44.65 3.04 0.00	43.98 2.96 0.00	45.61 2.91 0.00	54.62 3.42 -0.09	67.74 3.83 0.00	86.43 5.35 0.05	75.70 4.35 0.01	63.51 2.62 0.00	53.20 2.77 0.00	49.12 2.38 -0.01	46.35 2.37 -0.01



ATHENS_STG_1 23668	39.54 0.96 0.00	37.54 0.88 0.00	37.44 0.88 0.00	36.86 0.83 0.00	37.12 0.87 0.00	42.64 1.00 0.00	63.80 1.44 0.00	84.30 2.22 0.00	72.60 1.70 0.00	51.93 1.22 0.00	45.55 0.98 0.00	42.62 0.96 0.00	41.64 0.97 0.00	42.70 1.08 0.00	42.13 1.11 0.00	43.81 1.11 0.00	52.54 1.43 0.00	65.57 1.66 0.00	83.35 2.27 0.04	73.13 1.78 0.01	62.18 1.28 0.00	51.44 1.01 0.00	47.66 0.93 0.00	44.94 0.97 0.00
ATHENS_STG_2 23670	39.54 0.96 0.00	37.54 0.88 0.00	37.44 0.88 0.00	36.86 0.83 0.00	37.12 0.87 0.00	42.64 1.00 0.00	63.80 1.44 0.00	84.30 2.22 0.00	72.60 1.70 0.00	51.93 1.22 0.00	45.55 0.98 0.00	42.62 0.96 0.00	41.64 0.97 0.00	42.70 1.08 0.00	42.13 1.11 0.00	43.81 1.11 0.00	52.54 1.43 0.00	65.57 1.66 0.00	83.35 2.27 0.04	73.13 1.78 0.01	62.18 1.28 0.00	51.44 1.01 0.00	47.66 0.93 0.00	44.94 0.97 0.00
ATHENS_STG_3 23677	39.54 0.96 0.00	37.54 0.88 0.00	37.44 0.88 0.00	36.86 0.83 0.00	37.12 0.87 0.00	42.64 1.00 0.00	63.80 1.44 0.00	84.30 2.22 0.00	72.60 1.70 0.00	51.93 1.22 0.00	45.55 0.98 0.00	42.62 0.96 0.00	41.64 0.97 0.00	42.70 1.08 0.00	42.13 1.11 0.00	43.81 1.11 0.00	52.54 1.43 0.00	65.57 1.66 0.00	83.35 2.27 0.04	73.13 1.78 0.01	62.18 1.28 0.00	51.44 1.01 0.00	47.66 0.93 0.00	44.94 0.97 0.00
AUBURN___LFGE 323710	38.38 -0.19 0.00	36.48 -0.18 0.00	36.41 -0.15 0.00	35.82 -0.22 0.00	36.04 -0.22 0.00	41.48 -0.17 0.00	62.78 0.12 -0.29	82.95 0.00 -0.87	72.04 0.14 -1.00	51.07 0.10 -0.26	44.67 0.09 -0.01	41.71 0.04 0.00	40.75 0.08 0.00	41.68 0.04 -0.02	40.94 -0.08 0.00	42.75 0.04 0.00	50.95 -0.15 0.00	63.91 0.00 0.00	82.06 0.32 -0.61	71.68 0.36 0.04	60.96 0.06 0.00	50.63 0.20 0.00	46.73 0.00 0.00	43.97 0.00 0.00
BABYLON_RES_REC 323704	40.42 1.85 0.00	38.09 1.43 0.00	37.95 1.39 0.00	37.29 1.26 0.00	37.56 1.30 0.00	43.52 1.88 0.00	56.68 1.31 6.99	67.84 2.05 16.29	66.58 1.42 5.74	51.88 1.67 0.50	46.30 1.74 0.00	43.03 1.71 0.34	42.17 1.91 0.42	43.32 2.20 0.50	42.73 2.17 0.47	44.30 1.97 0.37	52.04 1.79 0.86	63.11 1.47 2.27	68.17 2.35 15.31	69.45 1.93 3.83	61.86 0.97 0.01	51.32 1.01 0.12	47.88 1.17 0.01	45.60 1.63 0.00
BALL_HILL_WT_PWR 323825	38.22 -0.35 0.00	36.30 -0.37 0.00	36.05 -0.51 0.00	35.64 -0.40 0.00	35.53 -0.72 0.00	40.69 -0.96 0.00	60.55 -1.81 0.00	78.14 -3.94 0.00	68.84 -2.06 0.00	50.36 -0.35 0.00	44.48 -0.09 0.00	41.50 -0.17 0.00	40.71 0.04 0.00	41.41 -0.21 0.00	40.74 -0.29 0.00	42.24 -0.47 0.00	49.01 -2.10 0.00	61.67 -2.24 0.00	78.49 -2.43 0.20	69.45 -1.86 0.05	58.95 -1.95 0.00	49.92 -0.50 0.00	46.03 -0.70 0.00	43.27 -0.71 0.00
BARON_WINDS___WT_PWR 323822	38.30 -0.27 0.00	36.37 -0.29 0.00	36.23 -0.33 0.00	35.74 -0.29 0.00	35.78 -0.47 0.00	41.02 -0.62 0.00	61.43 -0.93 0.00	79.95 -2.13 0.00	69.77 -1.14 0.00	50.51 -0.20 0.00	44.39 -0.18 0.00	41.41 -0.25 0.00	40.55 -0.12 0.00	41.33 -0.29 0.00	40.65 -0.37 0.00	42.45 -0.25 0.00	49.83 -1.28 0.00	62.82 -1.09 0.00	80.12 -0.81 0.19	70.66 -0.64 0.05	59.99 -0.91 0.00	50.28 -0.15 0.00	46.35 -0.38 0.00	43.66 -0.31 0.00
BARRETT_IC_1 23704	40.41 1.78 -0.06	38.14 1.47 -0.01	37.99 1.42 -0.01	37.33 1.30 -0.01	37.60 1.34 -0.01	43.53 1.83 -0.06	63.71 1.81 0.46	84.15 3.12 1.05	73.01 2.48 0.38	52.83 2.13 0.01	46.71 2.14 0.00	43.74 2.08 0.00	42.90 2.24 0.00	44.15 2.54 0.00	43.48 2.46 0.00	44.96 2.26 0.00	53.45 2.35 0.01	66.24 2.49 0.15	83.65 3.57 1.03	74.09 3.00 0.26	62.66 1.77 0.01	51.82 1.41 0.01	47.98 1.26 0.01	45.64 1.58 -0.08
BARRETT_IC_10 23701	40.41 1.78 -0.06	38.14 1.47 -0.01	37.99 1.42 -0.01	37.33 1.30 -0.01	37.60 1.34 -0.01	43.53 1.83 -0.06	63.71 1.81 0.46	84.15 3.12 1.05	73.01 2.48 0.38	52.83 2.13 0.01	46.71 2.14 0.00	43.74 2.08 0.00	42.90 2.24 0.00	44.15 2.54 0.00	43.48 2.46 0.00	44.96 2.26 0.00	53.45 2.35 0.01	66.24 2.49 0.15	83.65 3.57 1.03	74.09 3.00 0.26	62.66 1.77 0.01	51.82 1.41 0.01	47.98 1.26 0.01	45.64 1.58 -0.08
BARRETT_IC_11 23702	40.41 1.78 -0.06	38.14 1.47 -0.01	37.99 1.42 -0.01	37.33 1.30 -0.01	37.60 1.34 -0.01	43.53 1.83 -0.06	63.71 1.81 0.46	84.15 3.12 1.05	73.01 2.48 0.38	52.83 2.13 0.01	46.71 2.14 0.00	43.74 2.08 0.00	42.90 2.24 0.00	44.15 2.54 0.00	43.48 2.46 0.00	44.96 2.26 0.00	53.45 2.35 0.01	66.24 2.49 0.15	83.65 3.57 1.03	74.09 3.00 0.26	62.66 1.77 0.01	51.82 1.41 0.01	47.98 1.26 0.01	45.64 1.58 -0.08
BARRETT_IC_12 23703	40.41 1.78 -0.06	38.14 1.47 -0.01	37.99 1.42 -0.01	37.33 1.30 -0.01	37.60 1.34 -0.01	43.53 1.83 -0.06	63.71 1.81 0.46	84.15 3.12 1.05	73.01 2.48 0.38	52.83 2.13 0.01	46.71 2.14 0.00	43.74 2.08 0.00	42.90 2.24 0.00	44.15 2.54 0.00	43.48 2.46 0.00	44.96 2.26 0.00	53.45 2.35 0.01	66.24 2.49 0.15	83.65 3.57 1.03	74.09 3.00 0.26	62.66 1.77 0.01	51.82 1.41 0.01	47.98 1.26 0.01	45.64 1.58 -0.08
BARRETT_IC_2 23705	40.41 1.78 -0.06	38.14 1.47 -0.01	37.99 1.42 -0.01	37.33 1.30 -0.01	37.60 1.34 -0.01	43.53 1.83 -0.06	63.71 1.81 0.46	84.15 3.12 1.05	73.01 2.48 0.38	52.83 2.13 0.01	46.71 2.14 0.00	43.74 2.08 0.00	42.90 2.24 0.00	44.15 2.54 0.00	43.48 2.46 0.00	44.96 2.26 0.00	53.45 2.35 0.01	66.24 2.49 0.15	83.65 3.57 1.03	74.09 3.00 0.26	62.66 1.77 0.01	51.82 1.41 0.01	47.98 1.26 0.01	45.64 1.58 -0.08
BARRETT_IC_3 23706	40.41 1.78 -0.06	38.14 1.47 -0.01	37.99 1.42 -0.01	37.33 1.30 -0.01	37.60 1.34 -0.01	43.53 1.83 -0.06	63.71 1.81 0.46	84.15 3.12 1.05	73.01 2.48 0.38	52.83 2.13 0.01	46.71 2.14 0.00	43.74 2.08 0.00	42.90 2.24 0.00	44.15 2.54 0.00	43.48 2.46 0.00	44.96 2.26 0.00	53.45 2.35 0.01	66.24 2.49 0.15	83.65 3.57 1.03	74.09 3.00 0.26	62.66 1.77 0.01	51.82 1.41 0.01	47.98 1.26 0.01	45.64 1.58 -0.08
BARRETT_IC_4 23707	40.41 1.78 -0.06	38.14 1.47 -0.01	37.99 1.42 -0.01	37.33 1.30 -0.01	37.60 1.34 -0.01	43.53 1.83 -0.06	63.71 1.81 0.46	84.15 3.12 1.05	73.01 2.48 0.38	52.83 2.13 0.01	46.71 2.14 0.00	43.74 2.08 0.00	42.90 2.24 0.00	44.15 2.54 0.00	43.48 2.46 0.00	44.96 2.26 0.00	53.45 2.35 0.01	66.24 2.49 0.15	83.65 3.57 1.03	74.09 3.00 0.26	62.66 1.77 0.01	51.82 1.41 0.01	47.98 1.26 0.01	45.64 1.58 -0.08
BARRETT_IC_5 23708	40.41 1.78 -0.06	38.14 1.47 -0.01	37.99 1.42 -0.01	37.33 1.30 -0.01	37.60 1.34 -0.01	43.53 1.83 -0.06	63.71 1.81 0.46	84.15 3.12 1.05	73.01 2.48 0.38	52.83 2.13 0.01	46.71 2.14 0.00	43.74 2.08 0.00	42.90 2.24 0.00	44.15 2.54 0.00	43.48 2.46 0.00	44.96 2.26 0.00	53.45 2.35 0.01	66.24 2.49 0.15	83.65 3.57 1.03	74.09 3.00 0.26	62.66 1.77 0.01	51.82 1.41 0.01	47.98 1.26 0.01	45.64 1.58 -0.08



BARRETT_IC_6 23709	40.41 1.78 -0.06	38.14 1.47 -0.01	37.99 1.42 -0.01	37.33 1.30 -0.01	37.60 1.34 -0.01	43.53 1.83 -0.06	63.71 1.81 0.46	84.15 3.12 1.05	73.01 2.48 0.38	52.83 2.13 0.01	46.71 2.14 0.00	43.74 2.08 0.00	42.90 2.24 0.00	44.15 2.54 0.00	43.48 2.46 0.00	44.96 2.26 0.00	53.45 2.35 0.01	66.24 2.49 0.15	83.65 3.57 1.03	74.09 3.00 0.26	62.66 1.77 0.01	51.82 1.41 0.01	47.98 1.26 0.01	45.64 1.58 -0.08
BARRETT_IC_7 23710	40.41 1.77 -0.06	38.13 1.47 0.00	37.99 1.43 0.00	37.36 1.33 0.00	37.59 1.34 0.00	43.54 1.83 -0.06	63.71 1.81 0.46	84.31 3.28 1.05	73.01 2.48 0.38	52.83 2.13 0.01	46.75 2.18 0.00	43.74 2.08 0.00	42.90 2.24 0.00	44.15 2.54 0.00	43.60 2.58 0.00	45.01 2.31 0.00	53.60 2.50 0.01	66.31 2.56 0.15	83.74 3.65 1.03	73.95 2.85 0.26	62.72 1.83 0.01	51.77 1.36 0.01	48.17 1.45 0.01	45.99 1.93 -0.08
BARRETT_IC_8 23711	40.41 1.78 -0.06	38.14 1.47 -0.01	37.99 1.42 -0.01	37.33 1.30 -0.01	37.60 1.34 -0.01	43.53 1.83 -0.06	63.71 1.81 0.46	84.15 3.12 1.05	73.01 2.48 0.38	52.83 2.13 0.01	46.71 2.14 0.00	43.74 2.08 0.00	42.90 2.24 0.00	44.15 2.54 0.00	43.48 2.46 0.00	44.96 2.26 0.00	53.45 2.35 0.01	66.24 2.49 0.15	83.65 3.57 1.03	74.09 3.00 0.26	62.66 1.77 0.01	51.82 1.41 0.01	47.98 1.26 0.01	45.64 1.58 -0.08
BARRETT_IC_9 23700	40.41 1.78 -0.06	38.14 1.47 -0.01	37.99 1.42 -0.01	37.33 1.30 -0.01	37.60 1.34 -0.01	43.53 1.83 -0.06	63.71 1.81 0.46	84.15 3.12 1.05	73.01 2.48 0.38	52.83 2.13 0.01	46.71 2.14 0.00	43.74 2.08 0.00	42.90 2.24 0.00	44.15 2.54 0.00	43.48 2.46 0.00	44.96 2.26 0.00	53.45 2.35 0.01	66.24 2.49 0.15	83.65 3.57 1.03	74.09 3.00 0.26	62.66 1.77 0.01	51.82 1.41 0.01	47.98 1.26 0.01	45.64 1.58 -0.08
BARRETT___1 23545	40.41 1.78 -0.06	38.14 1.47 -0.01	37.99 1.42 -0.01	37.33 1.30 -0.01	37.60 1.34 -0.01	43.53 1.83 -0.06	63.71 1.81 0.46	84.15 3.12 1.05	73.01 2.48 0.38	52.83 2.13 0.01	46.71 2.14 0.00	43.74 2.08 0.00	42.90 2.24 0.00	44.15 2.54 0.00	43.48 2.46 0.00	44.96 2.26 0.00	53.45 2.35 0.01	66.24 2.49 0.15	83.65 3.57 1.03	74.09 3.00 0.26	62.66 1.77 0.01	51.82 1.41 0.01	47.98 1.26 0.01	45.64 1.58 -0.08
BARRETT___2 23546	40.41 1.78 -0.06	38.14 1.47 -0.01	37.99 1.42 -0.01	37.33 1.30 -0.01	37.60 1.34 -0.01	43.53 1.83 -0.06	63.71 1.81 0.46	84.15 3.12 1.05	73.01 2.48 0.38	52.83 2.13 0.01	46.71 2.14 0.00	43.74 2.08 0.00	42.90 2.24 0.00	44.15 2.54 0.00	43.48 2.46 0.00	44.96 2.26 0.00	53.45 2.35 0.01	66.24 2.49 0.15	83.65 3.57 1.03	74.09 3.00 0.26	62.66 1.77 0.01	51.82 1.41 0.01	47.98 1.26 0.01	45.64 1.58 -0.08
BATAVIA__115KV_TB1 55881	38.46 -0.12 0.00	36.44 -0.22 0.00	36.38 -0.18 0.00	35.67 -0.36 0.00	35.85 -0.40 0.00	41.02 -0.62 0.00	61.18 -1.18 0.00	79.13 -2.95 0.00	69.77 -1.13 0.00	50.71 0.00 0.00	44.84 0.27 0.00	41.75 0.08 0.00	41.08 0.41 0.00	41.66 0.04 0.00	40.82 -0.21 0.00	42.49 -0.21 0.00	49.47 -1.64 0.00	62.05 -1.85 0.00	79.05 -1.87 0.21	70.02 -1.28 0.05	59.50 -1.40 0.00	50.43 0.00 0.00	46.17 -0.56 0.00	43.53 -0.44 0.00
BAYONEEC___CTG1 323682	40.93 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.90 1.87 0.00	38.17 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.59 5.50 -0.01	75.37 4.47 0.00	54.21 3.45 -0.05	47.61 3.03 -0.01	44.54 2.87 -0.01	43.61 2.93 -0.01	44.74 3.12 -0.01	44.11 3.08 -0.01	45.74 3.03 0.00	54.77 3.58 -0.09	68.06 4.15 0.00	86.75 5.68 0.05	76.05 4.71 0.01	64.00 3.10 0.00	53.00 2.57 0.00	49.16 2.43 0.00	46.30 2.33 0.00
BAYONEEC___CTG10 323750	40.93 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.90 1.87 0.00	38.17 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.59 5.50 -0.01	75.37 4.47 0.00	54.21 3.45 -0.05	47.61 3.03 -0.01	44.54 2.87 -0.01	43.61 2.93 -0.01	44.74 3.12 -0.01	44.11 3.08 -0.01	45.74 3.03 0.00	54.77 3.58 -0.09	68.06 4.15 0.00	86.75 5.68 0.05	76.05 4.71 0.01	64.00 3.10 0.00	53.00 2.57 0.00	49.16 2.43 0.00	46.30 2.33 0.00
BAYONEEC___CTG2 323683	40.93 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.90 1.87 0.00	38.17 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.59 5.50 -0.01	75.37 4.47 0.00	54.21 3.45 -0.05	47.61 3.03 -0.01	44.54 2.87 -0.01	43.61 2.93 -0.01	44.74 3.12 -0.01	44.11 3.08 -0.01	45.74 3.03 0.00	54.77 3.58 -0.09	68.06 4.15 0.00	86.75 5.68 0.05	76.05 4.71 0.01	64.00 3.10 0.00	53.00 2.57 0.00	49.16 2.43 0.00	46.30 2.33 0.00
BAYONEEC___CTG3 323684	40.93 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.90 1.87 0.00	38.17 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.59 5.50 -0.01	75.37 4.47 0.00	54.21 3.45 -0.05	47.61 3.03 -0.01	44.54 2.87 -0.01	43.61 2.93 -0.01	44.74 3.12 -0.01	44.11 3.08 -0.01	45.74 3.03 0.00	54.77 3.58 -0.09	68.06 4.15 0.00	86.75 5.68 0.05	76.05 4.71 0.01	64.00 3.10 0.00	53.00 2.57 0.00	49.16 2.43 0.00	46.30 2.33 0.00
BAYONEEC___CTG4 323685	40.93 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.90 1.87 0.00	38.17 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.59 5.50 -0.01	75.37 4.47 0.00	54.21 3.45 -0.05	47.61 3.03 -0.01	44.54 2.87 -0.01	43.61 2.93 -0.01	44.74 3.12 -0.01	44.11 3.08 -0.01	45.74 3.03 0.00	54.77 3.58 -0.09	68.06 4.15 0.00	86.75 5.68 0.05	76.05 4.71 0.01	64.00 3.10 0.00	53.00 2.57 0.00	49.16 2.43 0.00	46.30 2.33 0.00
BAYONEEC___CTG5 323686	40.93 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.90 1.87 0.00	38.17 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.59 5.50 -0.01	75.37 4.47 0.00	54.21 3.45 -0.05	47.61 3.03 -0.01	44.54 2.87 -0.01	43.61 2.93 -0.01	44.74 3.12 -0.01	44.11 3.08 -0.01	45.74 3.03 0.00	54.77 3.58 -0.09	68.06 4.15 0.00	86.75 5.68 0.05	76.05 4.71 0.01	64.00 3.10 0.00	53.00 2.57 0.00	49.16 2.43 0.00	46.30 2.33 0.00
BAYONEEC___CTG6 323687	40.93 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.90 1.87 0.00	38.17 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.59 5.50 -0.01	75.37 4.47 0.00	54.21 3.45 -0.05	47.61 3.03 -0.01	44.54 2.87 -0.01	43.61 2.93 -0.01	44.74 3.12 -0.01	44.11 3.08 -0.01	45.74 3.03 0.00	54.77 3.58 -0.09	68.06 4.15 0.00	86.75 5.68 0.05	76.05 4.71 0.01	64.00 3.10 0.00	53.00 2.57 0.00	49.16 2.43 0.00	46.30 2.33 0.00
BAYONEEC___CTG7 323688	40.93 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.90 1.87 0.00	38.17 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.59 5.50 -0.01	75.37 4.47 0.00	54.21 3.45 -0.05	47.61 3.03 -0.01	44.54 2.87 -0.01	43.61 2.93 -0.01	44.74 3.12 -0.01	44.11 3.08 -0.01	45.74 3.03 0.00	54.77 3.58 -0.09	68.06 4.15 0.00	86.75 5.68 0.05	76.05 4.71 0.01	64.00 3.10 0.00	53.00 2.57 0.00	49.16 2.43 0.00	46.30 2.33 0.00



BAYONEEC___CTG8 323689	40.93 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.90 1.87 0.00	38.17 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.59 5.50 -0.01	75.37 4.47 0.00	54.21 3.45 -0.05	47.61 3.03 -0.01	44.54 2.87 -0.01	43.61 2.93 -0.01	44.74 3.12 -0.01	44.11 3.08 -0.01	45.74 3.03 0.00	54.77 3.58 -0.09	68.06 4.15 0.00	86.75 5.68 0.05	76.05 4.71 0.01	64.00 3.10 0.00	53.00 2.57 0.00	49.16 2.43 0.00	46.30 2.33 0.00
BAYONEEC___CTG9 323749	40.93 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.90 1.87 0.00	38.17 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.59 5.50 -0.01	75.37 4.47 0.00	54.21 3.45 -0.05	47.61 3.03 -0.01	44.54 2.87 -0.01	43.61 2.93 -0.01	44.74 3.12 -0.01	44.11 3.08 -0.01	45.74 3.03 0.00	54.77 3.58 -0.09	68.06 4.15 0.00	86.75 5.68 0.05	76.05 4.71 0.01	64.00 3.10 0.00	53.00 2.57 0.00	49.16 2.43 0.00	46.30 2.33 0.00
BEACON___LESR 323632	39.00 0.43 0.00	37.22 0.55 0.00	37.00 0.44 0.00	36.47 0.43 0.00	36.72 0.47 0.00	42.23 0.58 0.00	63.11 0.75 0.00	83.07 0.99 0.00	71.47 0.56 0.00	50.76 0.05 0.00	44.57 0.00 0.00	41.71 0.04 0.00	40.75 0.08 0.00	41.74 0.13 0.00	41.23 0.21 0.00	42.96 0.26 0.00	51.82 0.72 0.00	64.99 1.09 0.00	82.38 1.29 0.03	72.13 0.79 0.01	61.63 0.73 0.00	50.73 0.30 0.00	47.06 0.33 0.00	44.41 0.44 0.00
BEAVER RIVER___HYD 24048	39.19 0.62 0.00	37.29 0.62 0.00	37.14 0.58 0.00	36.54 0.50 0.00	36.87 0.62 0.00	42.18 0.54 0.00	64.00 1.44 -0.21	84.92 2.22 -0.63	73.39 1.77 -0.71	51.51 0.61 -0.19	45.07 0.49 0.00	42.29 0.63 0.00	41.28 0.61 0.00	42.09 0.46 -0.02	41.39 0.37 0.00	42.88 0.17 0.00	51.21 0.10 0.00	64.29 0.39 0.00	82.47 0.81 -0.54	73.00 1.64 0.00	62.30 1.40 0.00	51.89 1.46 0.00	48.08 1.36 0.00	45.02 1.05 0.00
BEEBEE_GT_13 23619	38.26 -0.31 0.00	36.30 -0.37 0.00	36.23 -0.33 0.00	35.60 -0.43 0.00	35.82 -0.44 0.00	41.06 -0.58 0.00	61.49 -0.87 0.00	80.19 -1.89 0.00	70.19 -0.71 0.00	50.61 -0.10 0.00	44.70 0.13 0.00	41.71 0.04 0.00	40.91 0.24 0.00	41.62 0.00 0.00	40.90 -0.12 0.00	42.53 -0.17 0.00	50.14 -0.97 0.00	62.82 -1.09 0.00	79.69 -1.22 0.21	70.45 -0.86 0.06	59.92 -0.97 0.00	50.28 -0.15 0.00	46.21 -0.51 0.00	43.49 -0.48 0.00
BENSHRST_27_KV_BENSHRST_1 355998	41.28 2.70 -0.01	39.09 2.42 -0.01	38.84 2.27 -0.01	38.24 2.20 -0.01	38.47 2.21 -0.01	44.40 2.75 -0.01	66.35 3.99 0.00	88.08 5.99 -0.01	75.58 4.68 0.00	54.52 3.75 -0.06	48.11 3.52 -0.01	44.97 3.29 -0.01	44.02 3.33 -0.01	45.17 3.54 -0.01	44.56 3.53 -0.01	46.22 3.50 -0.01	55.39 4.19 -0.10	68.64 4.73 0.00	87.40 6.33 0.05	76.41 5.07 0.01	64.37 3.47 0.00	53.55 3.13 0.00	49.68 2.94 -0.01	46.70 2.73 -0.01
BETHLEHEM___GRP 23843	38.50 -0.08 0.00	36.77 0.11 0.00	36.56 0.00 0.00	36.07 0.04 0.00	36.25 0.00 0.00	41.64 0.00 0.00	62.05 -0.31 0.00	81.75 -0.33 0.00	70.34 -0.57 0.00	50.05 -0.66 0.00	43.99 -0.58 0.00	41.21 -0.46 0.00	40.30 -0.37 0.00	41.24 -0.37 0.00	40.82 -0.21 0.00	42.41 -0.30 0.00	51.06 -0.05 0.00	63.91 0.00 0.00	81.00 -0.08 0.03	70.92 -0.43 0.01	60.65 -0.24 0.00	49.92 -0.50 0.00	46.35 -0.37 0.00	43.79 -0.18 0.00
BETHLEHEM___GS1 323560	38.50 -0.08 0.00	36.77 0.11 0.00	36.56 0.00 0.00	36.00 -0.04 0.00	36.25 0.00 0.00	41.64 0.00 0.00	62.05 -0.31 0.00	81.75 -0.33 0.00	70.33 -0.57 0.00	50.05 -0.66 0.00	43.99 -0.58 0.00	41.21 -0.46 0.00	40.30 -0.37 0.00	41.24 -0.38 0.00	40.78 -0.24 0.00	42.45 -0.25 0.00	51.06 -0.05 0.00	63.91 0.00 0.00	81.00 -0.08 0.03	70.99 -0.36 0.01	60.66 -0.24 0.00	49.92 -0.50 0.00	46.35 -0.38 0.00	43.80 -0.18 0.00
BETHLEHEM___GS2 323561	38.50 -0.08 0.00	36.77 0.11 0.00	36.56 0.00 0.00	36.00 -0.04 0.00	36.25 0.00 0.00	41.64 0.00 0.00	62.05 -0.31 0.00	81.75 -0.33 0.00	70.33 -0.57 0.00	50.05 -0.66 0.00	43.99 -0.58 0.00	41.21 -0.46 0.00	40.30 -0.37 0.00	41.24 -0.38 0.00	40.78 -0.24 0.00	42.45 -0.25 0.00	51.06 -0.05 0.00	63.91 0.00 0.00	81.00 -0.08 0.03	70.99 -0.36 0.01	60.66 -0.24 0.00	49.92 -0.50 0.00	46.35 -0.38 0.00	43.80 -0.18 0.00
BETHLEHEM___GS3 323562	38.50 -0.08 0.00	36.77 0.11 0.00	36.56 0.00 0.00	36.00 -0.04 0.00	36.25 0.00 0.00	41.64 0.00 0.00	62.05 -0.31 0.00	81.75 -0.33 0.00	70.33 -0.57 0.00	50.05 -0.66 0.00	43.99 -0.58 0.00	41.21 -0.46 0.00	40.30 -0.37 0.00	41.24 -0.38 0.00	40.78 -0.24 0.00	42.45 -0.25 0.00	51.06 -0.05 0.00	63.91 0.00 0.00	81.00 -0.08 0.03	70.99 -0.36 0.01	60.66 -0.24 0.00	49.92 -0.50 0.00	46.35 -0.38 0.00	43.80 -0.18 0.00
BETHLEHEM___STEEL 23779	38.07 -0.50 0.00	36.11 -0.55 0.00	35.90 -0.66 0.00	35.20 -0.83 0.00	35.35 -0.91 0.00	40.48 -1.17 0.00	60.12 -2.24 0.00	77.48 -4.60 0.00	68.42 -2.48 0.00	50.15 -0.56 0.00	44.30 -0.27 0.00	41.41 -0.25 0.00	40.63 -0.04 0.00	41.32 -0.29 0.00	40.41 -0.62 0.00	42.19 -0.51 0.00	48.71 -2.40 0.00	61.09 -2.81 0.00	78.00 -2.92 0.20	68.95 -2.35 0.05	58.58 -2.31 0.00	49.67 -0.76 0.00	45.51 -1.21 0.00	43.05 -0.92 0.00
BETHLHEM_115KV_TB1 79974	38.65 0.08 0.00	36.85 0.18 0.00	36.67 0.11 0.00	36.18 0.14 0.00	36.36 0.11 0.00	41.77 0.12 0.00	62.30 -0.06 0.00	82.08 0.00 0.00	70.62 -0.28 0.00	50.30 -0.41 0.00	44.17 -0.40 0.00	41.37 -0.29 0.00	40.43 -0.24 0.00	41.41 -0.21 0.00	40.98 -0.04 0.00	42.58 -0.13 0.00	51.26 0.15 0.00	64.10 0.19 0.00	81.33 0.24 0.03	71.20 -0.14 0.01	60.84 -0.06 0.00	50.13 -0.30 0.00	46.54 -0.19 0.00	43.93 -0.04 0.00
BETHPAGE_CC_5 323564	40.39 1.81 0.00	38.09 1.43 0.00	37.95 1.39 0.00	37.29 1.26 0.00	37.56 1.30 0.00	43.43 1.79 0.00	57.78 1.81 6.39	70.23 3.04 14.89	67.99 2.34 5.25	52.33 2.08 0.46	46.62 2.05 0.00	43.53 2.04 0.18	42.69 2.24 0.22	43.85 2.50 0.26	43.24 2.46 0.24	44.77 2.26 0.19	52.52 2.20 0.78	64.07 2.24 2.07	70.45 3.33 13.99	70.56 2.71 3.50	62.41 1.52 0.01	51.58 1.26 0.11	47.93 1.21 0.01	45.51 1.54 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	38.07 -0.50 0.00	36.11 -0.55 0.00	35.90 -0.66 0.00	35.20 -0.83 0.00	35.35 -0.91 0.00	40.48 -1.17 0.00	60.18 -2.18 0.00	77.57 -4.51 0.00	68.49 -2.41 0.00	50.20 -0.51 0.00	44.35 -0.22 0.00	41.41 -0.25 0.00	40.67 0.00 0.00	41.32 -0.29 0.00	40.41 -0.62 0.00	42.19 -0.51 0.00	48.71 -2.40 0.00	61.16 -2.75 0.00	78.16 -2.76 0.20	69.02 -2.28 0.05	58.64 -2.25 0.00	49.72 -0.71 0.00	45.56 -1.17 0.00	43.05 -0.92 0.00
BINGHAMTON___COGEN 23790	38.80 0.23 0.00	36.85 0.18 0.00	36.74 0.18 0.00	36.14 0.11 0.00	36.36 0.11 0.00	41.77 0.12 0.00	62.80 0.44 0.00	82.33 0.25 0.00	71.40 0.50 0.00	51.27 0.56 0.00	45.06 0.49 0.00	42.08 0.42 0.00	41.12 0.45 0.00	42.03 0.42 0.00	41.31 0.29 0.00	43.13 0.43 0.00	51.21 0.10 0.00	64.16 0.26 0.00	81.67 0.73 0.18	71.95 0.64 0.05	61.14 0.24 0.00	50.88 0.45 0.00	46.96 0.23 0.00	44.23 0.26 0.00



BIXINCNT_115KV_LOAD 355685	38.07 -0.50 0.00	36.15 -0.51 0.00	35.87 -0.69 0.00	35.17 -0.86 0.00	35.24 -1.02 0.00	40.44 -1.21 0.00	60.49 -1.87 0.00	78.22 -3.86 0.00	68.92 -1.99 0.00	50.25 -0.46 0.00	44.26 -0.31 0.00	41.25 -0.42 0.00	40.34 -0.33 0.00	41.03 -0.58 0.00	40.00 -1.03 0.00	41.72 -0.98 0.00	48.25 -2.86 0.00	60.90 -3.00 0.00	78.24 -2.68 0.20	69.23 -2.07 0.05	58.77 -2.13 0.00	49.72 -0.71 0.00	45.61 -1.12 0.00	43.09 -0.88 0.00
BLACK RIVER___HYD 24047	39.54 0.96 0.00	37.69 1.03 0.00	37.51 0.95 0.00	36.89 0.86 0.00	37.27 1.01 0.00	42.56 0.91 0.00	64.98 2.24 -0.37	86.48 3.29 -1.12	74.87 2.69 -1.27	52.00 0.96 -0.33	45.34 0.76 -0.01	42.41 0.75 0.00	41.36 0.69 0.00	42.10 0.46 -0.03	41.35 0.33 0.00	43.01 0.30 0.00	51.57 0.46 0.00	64.87 0.96 0.00	83.86 1.78 -0.96	74.00 2.64 0.00	62.85 1.95 0.00	52.34 1.92 0.00	48.46 1.73 0.00	45.25 1.28 0.00
BLACKRVR_115KV_TB2 79977	39.54 0.96 0.00	37.69 1.03 0.00	37.51 0.95 0.00	36.86 0.83 0.00	37.27 1.02 0.00	42.56 0.92 0.00	64.98 2.24 -0.37	86.48 3.28 -1.12	74.87 2.69 -1.27	52.00 0.96 -0.33	45.34 0.76 -0.01	42.41 0.75 0.00	41.36 0.69 0.00	42.10 0.46 -0.03	41.35 0.33 0.00	43.00 0.30 0.00	51.57 0.46 0.00	64.86 0.96 0.00	83.86 1.78 -0.96	74.00 2.64 0.00	62.85 1.95 0.00	52.34 1.92 0.00	48.41 1.68 0.00	45.25 1.28 0.00
BLDWN_LI_69_KV_BK4 356085	40.56 1.97 -0.02	38.28 1.61 0.00	38.13 1.57 0.00	37.47 1.44 0.00	37.74 1.49 0.00	43.66 2.00 -0.02	60.82 2.37 3.91	76.91 3.94 9.11	70.74 3.05 3.21	52.92 2.48 0.28	47.02 2.45 0.00	43.95 2.29 0.00	43.15 2.48 0.00	44.40 2.79 0.00	43.85 2.83 0.00	45.31 2.61 0.00	53.50 2.86 0.47	65.70 3.07 1.27	76.84 4.30 8.58	72.70 3.50 2.15	63.14 2.25 0.01	52.12 1.76 0.07	48.49 1.78 0.01	46.24 2.24 -0.02
BLISS_WT_PWR 323608	38.03 -0.54 0.00	36.12 -0.55 0.00	35.83 -0.73 0.00	35.35 -0.69 0.00	35.20 -1.05 0.00	40.35 -1.29 0.00	60.36 -2.00 0.00	78.14 -3.94 0.00	68.78 -2.13 0.00	50.20 -0.51 0.00	44.17 -0.40 0.00	41.17 -0.50 0.00	40.22 -0.45 0.00	40.87 -0.75 0.00	40.04 -0.98 0.00	41.59 -1.11 0.00	48.20 -2.91 0.00	60.97 -2.94 0.00	78.08 -2.84 0.20	69.16 -2.14 0.05	58.76 -2.13 0.00	49.67 -0.76 0.00	45.84 -0.89 0.00	43.09 -0.88 0.00
BLUESTONE___WT_PWR 323821	40.04 1.47 0.00	38.20 1.54 0.00	38.10 1.54 0.00	37.44 1.40 0.00	37.74 1.49 0.00	43.31 1.67 0.00	65.66 3.30 0.00	86.59 4.51 0.00	74.94 4.04 0.00	53.14 2.43 0.00	46.67 2.10 0.00	43.54 1.88 0.00	42.42 1.75 0.00	43.16 1.54 0.00	42.38 1.35 0.00	44.37 1.66 0.00	53.15 2.05 0.00	66.91 3.00 0.00	85.18 4.22 0.15	75.60 4.28 0.04	64.00 3.10 0.00	53.10 2.67 0.00	49.02 2.29 0.00	45.95 1.98 0.00
BLUE_CIRC_CHEM_DRP 24182	39.19 0.62 0.00	37.32 0.66 0.00	37.18 0.62 0.00	36.68 0.65 0.00	37.01 0.76 0.00	42.52 0.87 0.00	63.61 1.25 0.00	83.72 1.64 0.00	71.90 0.99 0.00	51.01 0.30 0.00	44.66 0.09 0.00	41.75 0.08 0.00	40.75 0.08 0.00	41.78 0.17 0.00	41.31 0.29 0.00	43.05 0.34 0.00	51.82 0.72 0.00	64.99 1.09 0.00	82.46 1.38 0.04	72.27 0.93 0.01	61.75 0.85 0.00	50.98 0.55 0.00	47.29 0.56 0.00	44.59 0.62 0.00
BOC_GAS_DRP 24189	39.00 0.42 0.00	37.10 0.44 0.00	36.96 0.40 0.00	36.46 0.43 0.00	36.69 0.44 0.00	42.14 0.50 0.00	62.92 0.56 0.00	82.98 0.90 0.00	71.40 0.50 0.00	50.96 0.25 0.00	44.75 0.18 0.00	41.87 0.21 0.00	40.91 0.24 0.00	41.91 0.29 0.00	41.39 0.37 0.00	43.05 0.34 0.00	51.77 0.66 0.00	64.67 0.77 0.00	82.06 0.97 0.03	71.92 0.57 0.01	61.39 0.49 0.00	50.68 0.25 0.00	47.06 0.33 0.00	44.32 0.35 0.00
BOONVILLE_115KV_TB1 79983	39.23 0.66 0.00	37.32 0.66 0.00	37.18 0.62 0.00	36.57 0.54 0.00	36.91 0.65 0.00	42.39 0.75 0.00	63.98 1.62 0.00	84.46 2.38 0.00	72.89 1.99 0.00	51.62 0.91 0.00	45.37 0.80 0.00	42.45 0.79 0.00	41.40 0.73 0.00	42.28 0.67 0.00	41.60 0.57 0.00	43.30 0.60 0.00	51.93 0.82 0.00	65.06 1.15 0.00	82.78 1.70 0.04	73.34 2.00 0.01	62.42 1.52 0.00	51.84 1.41 0.00	47.94 1.21 0.00	44.98 1.01 0.00
BORALEX_4TH_BRANCH 23824	39.73 1.16 0.00	37.76 1.10 0.00	37.66 1.10 0.00	37.18 1.15 0.00	37.41 1.16 0.00	43.02 1.37 0.00	64.11 1.75 0.00	84.30 2.22 0.00	72.25 1.35 0.00	51.42 0.71 0.00	44.84 0.27 0.00	42.04 0.37 0.00	40.83 0.16 0.00	42.07 0.46 0.00	41.64 0.62 0.00	43.43 0.73 0.00	53.00 1.89 0.00	66.72 2.81 0.00	84.17 3.08 0.03	73.42 2.07 0.01	63.21 2.31 0.00	51.59 1.16 0.00	47.85 1.12 0.00	45.16 1.19 0.00
BOWLINE___1 23526	40.58 2.00 0.00	38.46 1.80 0.00	38.24 1.68 0.00	37.65 1.62 0.00	37.92 1.67 0.00	43.72 2.08 0.00	65.48 3.12 0.00	86.84 4.76 0.00	74.73 3.83 0.00	53.57 2.84 -0.02	47.07 2.49 0.00	44.00 2.33 0.00	43.07 2.40 0.00	44.20 2.58 0.00	43.57 2.54 0.00	45.18 2.48 0.00	54.16 3.01 -0.04	67.48 3.58 0.00	86.02 4.95 0.05	75.48 4.14 0.01	63.57 2.68 0.00	52.64 2.22 0.00	48.78 2.05 0.00	45.95 1.98 0.00
BOWLINE___2 23595	40.58 2.00 0.00	38.46 1.80 0.00	38.24 1.68 0.00	37.65 1.62 0.00	37.92 1.67 0.00	43.68 2.04 0.00	65.48 3.12 0.00	86.84 4.76 0.00	74.73 3.83 0.00	53.57 2.84 -0.02	47.07 2.49 0.00	44.00 2.33 0.00	43.07 2.40 0.00	44.20 2.58 0.00	43.57 2.54 0.00	45.18 2.48 0.00	54.11 2.96 -0.04	67.42 3.51 0.00	86.02 4.95 0.05	75.48 4.14 0.01	63.57 2.68 0.00	52.64 2.22 0.00	48.74 2.01 0.00	45.95 1.98 0.00
BRADY___115KV_TB2 356060	39.73 1.16 0.00	37.80 1.14 0.00	37.62 1.06 0.00	37.15 1.12 0.00	37.34 1.09 0.00	42.89 1.25 0.00	64.23 1.87 0.00	84.21 2.13 0.00	72.68 1.77 0.00	51.98 1.27 0.00	45.68 1.11 0.00	42.87 1.21 0.00	41.73 1.06 0.00	42.66 1.04 0.00	42.01 0.98 0.00	43.43 0.73 0.00	51.87 0.77 0.00	64.99 1.09 0.00	82.26 1.14 0.00	73.28 1.93 0.00	62.85 1.95 0.00	52.09 1.66 0.00	48.46 1.73 0.00	45.42 1.45 0.00
BRANSCOMB___SOLAR 323811	39.65 1.08 0.00	37.69 1.03 0.00	37.62 1.06 0.00	37.08 1.05 0.00	37.34 1.09 0.00	42.94 1.29 0.00	64.48 2.12 0.00	84.79 2.70 0.00	72.96 2.06 0.00	51.47 0.76 0.00	44.97 0.40 0.00	42.00 0.33 0.00	40.99 0.32 0.00	42.07 0.46 0.00	41.56 0.53 0.00	43.39 0.68 0.00	52.54 1.43 0.00	66.14 2.24 0.00	84.00 2.92 0.03	73.56 2.21 0.01	62.85 1.95 0.00	51.69 1.26 0.00	47.94 1.21 0.00	45.20 1.23 0.00
BRDGHMPT_69_KV_BK1 55812	39.76 1.20 0.00	37.51 0.84 0.00	37.51 0.95 0.00	36.93 0.90 0.00	37.23 0.98 0.00	43.18 1.54 0.00	56.00 1.81 8.17	66.65 3.61 19.04	67.24 3.05 6.71	52.96 2.84 0.59	47.28 2.72 0.00	36.08 1.96 7.55	33.62 2.16 9.21	32.79 2.33 11.15	33.03 2.38 10.38	36.64 2.05 8.11	52.92 2.81 1.00	63.88 2.62 2.65	66.73 3.49 17.88	69.73 2.85 4.48	62.95 2.07 0.02	51.55 1.26 0.14	47.60 0.89 0.02	45.68 1.71 0.00



BRENTWOD_69_KV_W. BRTWOOD 56703	40.61 2.04 0.00	38.28 1.61 0.00	38.13 1.57 0.00	37.51 1.48 0.00	37.74 1.49 0.00	43.72 2.08 0.00	55.98 1.50 7.88	66.59 2.87 18.36	66.49 2.06 6.47	51.97 1.83 0.57	46.97 2.41 0.00	43.29 2.33 0.71	42.33 2.52 0.87	43.36 2.79 1.05	42.96 2.91 0.98	44.59 2.65 0.76	52.34 2.20 0.96	63.53 2.17 2.55	67.04 3.16 17.24	69.46 2.43 4.32	62.89 2.01 0.01	51.81 1.51 0.14	48.21 1.50 0.01	46.17 2.20 0.00
BRISTLHL_115KV_TB1 79998	37.80 -0.77 0.00	35.93 -0.73 0.00	35.83 -0.73 0.00	35.27 -0.76 0.00	35.49 -0.76 0.00	40.81 -0.83 0.00	62.22 -1.06 -0.92	83.35 -1.48 -2.75	72.90 -1.13 -3.14	50.71 -0.81 -0.82	43.88 -0.71 -0.02	41.00 -0.67 0.00	40.02 -0.65 0.00	40.98 -0.71 -0.07	40.28 -0.74 0.00	42.02 -0.68 0.00	50.14 -0.97 0.00	62.76 -1.15 0.00	82.26 -1.30 -2.44	70.24 -1.14 -0.02	59.80 -1.10 0.00	49.62 -0.81 0.00	45.89 -0.84 0.00	43.13 -0.84 0.00
BROOKHAVEN___DRP 24191	39.73 1.16 0.00	37.43 0.77 0.00	37.33 0.77 0.00	36.72 0.68 0.00	36.94 0.69 0.00	42.81 1.17 0.00	55.18 1.00 8.18	65.40 2.38 19.06	66.03 1.84 6.72	52.10 1.98 0.59	46.57 2.01 0.00	35.57 1.46 7.55	33.08 1.63 9.22	32.37 1.91 11.16	32.60 1.97 10.39	36.16 1.58 8.12	52.15 2.04 1.00	62.92 1.66 2.65	65.50 2.27 17.90	68.59 1.71 4.48	62.04 1.16 0.02	50.89 0.61 0.14	47.13 0.42 0.02	45.24 1.28 0.00
BROOKLYN_NAVY_YARD 23515	40.81 2.24 0.00	38.64 1.98 0.00	38.39 1.83 0.00	37.76 1.73 0.00	38.03 1.78 0.00	43.89 2.25 0.00	65.79 3.43 0.00	87.42 5.33 -0.01	75.23 4.33 0.00	54.16 3.40 -0.05	47.47 2.90 -0.01	44.46 2.79 -0.01	43.52 2.85 -0.01	44.66 3.04 -0.01	44.02 2.99 -0.01	45.65 2.94 0.00	54.72 3.52 -0.09	67.93 4.03 0.00	86.59 5.52 0.05	75.98 4.64 0.01	63.88 2.98 0.00	52.90 2.47 0.00	49.06 2.34 0.00	46.17 2.20 0.00
BROOKLYN___ARMY_DRP 323595	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.10 3.74 0.00	87.75 5.66 -0.01	75.30 4.40 0.00	54.32 3.55 -0.06	47.93 3.34 -0.01	44.80 3.12 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.40 3.36 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.32 4.41 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.06 3.17 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01
BROOME_2_LFGE 323671	38.81 0.23 0.00	36.85 0.18 0.00	36.74 0.18 0.00	36.21 0.18 0.00	36.36 0.11 0.00	41.77 0.13 0.00	62.80 0.44 0.00	82.41 0.33 0.00	71.40 0.50 0.00	51.27 0.56 0.00	45.06 0.49 0.00	42.08 0.42 0.00	41.12 0.45 0.00	42.03 0.42 0.00	41.35 0.33 0.00	43.13 0.43 0.00	51.21 0.10 0.00	64.16 0.26 0.00	81.67 0.73 0.18	72.02 0.71 0.05	61.20 0.31 0.00	50.88 0.45 0.00	47.01 0.28 0.00	44.24 0.27 0.00
BROOME___LFGE 323600	38.81 0.23 0.00	36.85 0.18 0.00	36.74 0.18 0.00	36.21 0.18 0.00	36.36 0.11 0.00	41.77 0.13 0.00	62.80 0.44 0.00	82.41 0.33 0.00	71.40 0.50 0.00	51.27 0.56 0.00	45.06 0.49 0.00	42.08 0.42 0.00	41.12 0.45 0.00	42.03 0.42 0.00	41.35 0.33 0.00	43.13 0.43 0.00	51.21 0.10 0.00	64.16 0.26 0.00	81.67 0.73 0.18	72.02 0.71 0.05	61.20 0.31 0.00	50.88 0.45 0.00	47.01 0.28 0.00	44.24 0.27 0.00
BROWNFLS_115KV_TB_3_5 80003	39.34 0.77 0.00	37.43 0.77 0.00	37.26 0.69 0.00	36.72 0.68 0.00	37.01 0.76 0.00	42.39 0.75 0.00	64.01 1.50 -0.15	84.33 1.81 -0.44	72.90 1.49 -0.51	51.55 0.71 -0.13	45.24 0.67 0.00	42.62 0.96 0.00	41.61 0.94 0.00	42.46 0.83 -0.01	41.76 0.74 0.00	42.96 0.26 0.00	51.06 -0.05 0.00	63.91 0.00 0.00	81.58 0.08 -0.38	72.50 1.14 0.00	62.12 1.22 0.00	51.79 1.36 0.00	48.18 1.45 0.00	45.11 1.14 0.00
BROWNSV1_27_KV_LOAD 356125	41.20 2.62 0.00	38.97 2.31 0.00	38.75 2.19 0.00	38.16 2.13 0.00	38.39 2.14 0.00	44.31 2.67 0.00	66.41 4.05 0.00	88.32 6.24 -0.01	75.94 5.03 0.00	54.62 3.85 -0.05	47.96 3.39 -0.01	44.88 3.21 -0.01	43.93 3.25 -0.01	45.08 3.45 -0.01	44.47 3.45 -0.01	46.08 3.37 -0.01	55.28 4.09 -0.09	68.64 4.73 0.00	87.48 6.41 0.05	76.55 5.21 0.01	64.55 3.65 0.00	53.40 2.98 0.00	49.53 2.80 0.00	46.56 2.59 0.00
BURROWS___LYONSDAL 23803	39.15 0.58 0.00	37.25 0.59 0.00	37.11 0.55 0.00	36.50 0.47 0.00	36.83 0.58 0.00	42.27 0.62 0.00	63.95 1.50 -0.10	84.66 2.30 -0.28	73.14 1.91 -0.32	51.61 0.81 -0.08	45.24 0.67 0.00	42.37 0.71 0.00	41.32 0.65 0.00	42.16 0.54 -0.01	41.52 0.49 0.00	43.17 0.47 0.00	51.72 0.61 0.00	64.86 0.96 0.00	82.78 1.46 -0.20	73.27 1.93 0.01	62.36 1.46 0.00	51.84 1.41 0.00	47.94 1.21 0.00	44.94 0.97 0.00
CAITHNESS_CC_1 323624	39.72 1.16 0.00	37.47 0.81 0.00	37.33 0.77 0.00	36.68 0.65 0.00	36.98 0.72 0.00	42.80 1.16 0.00	55.11 0.94 8.18	65.14 2.13 19.07	65.88 1.70 6.72	52.00 1.88 0.59	46.39 1.83 0.00	35.56 1.46 7.56	33.11 1.67 9.23	32.36 1.92 11.18	32.47 1.85 10.40	36.11 1.54 8.13	51.90 1.79 1.00	62.72 1.47 2.65	65.40 2.19 17.91	68.58 1.71 4.48	61.92 1.03 0.02	50.94 0.65 0.14	47.04 0.33 0.02	44.89 0.92 0.00
CALPINE BETH_PAGE_GT4 24209	40.47 1.89 0.00	38.20 1.54 0.00	38.02 1.46 0.00	37.40 1.37 0.00	37.63 1.38 0.00	43.56 1.92 0.00	58.56 1.93 5.73	72.08 3.37 13.37	68.74 2.55 4.71	52.48 2.18 0.41	46.75 2.18 0.00	43.74 2.08 0.00	42.90 2.24 0.00	44.15 2.54 0.00	43.60 2.58 0.00	45.05 2.35 0.00	52.76 2.35 0.70	64.41 2.36 1.86	71.96 3.41 12.56	70.85 2.64 3.15	62.41 1.52 0.01	51.59 1.26 0.10	48.40 1.68 0.01	46.18 2.20 -0.01
CALPINE_BETH_PAGE_GT_4 323586	40.47 1.89 0.00	38.20 1.54 0.00	38.02 1.46 0.00	37.36 1.33 0.00	37.63 1.38 0.00	43.56 1.92 0.00	58.56 1.94 5.73	71.91 3.20 13.37	68.67 2.48 4.71	52.48 2.18 0.41	46.66 2.10 0.00	43.74 2.08 0.00	42.90 2.24 0.00	44.15 2.54 0.00	43.48 2.46 0.00	44.96 2.26 0.00	52.60 2.20 0.70	64.28 2.24 1.86	71.88 3.33 12.56	70.99 2.78 3.15	62.41 1.52 0.01	51.59 1.26 0.10	47.98 1.26 0.01	45.56 1.58 -0.01
CALPINE_BP_GT1 23823	40.47 1.89 0.00	38.20 1.54 0.00	38.02 1.46 0.00	37.36 1.33 0.00	37.63 1.38 0.00	43.56 1.92 0.00	58.56 1.94 5.73	71.91 3.20 13.37	68.67 2.48 4.71	52.48 2.18 0.41	46.66 2.10 0.00	43.74 2.08 0.00	42.90 2.24 0.00	44.15 2.54 0.00	43.48 2.46 0.00	44.96 2.26 0.00	52.60 2.20 0.70	64.28 2.24 1.86	71.88 3.33 12.56	70.99 2.78 3.15	62.41 1.52 0.01	51.59 1.26 0.10	47.98 1.26 0.01	45.56 1.58 -0.01
CALSPAN___DRP 24200	38.07 -0.50 0.00	36.11 -0.55 0.00	35.90 -0.66 0.00	35.20 -0.83 0.00	35.35 -0.91 0.00	40.48 -1.17 0.00	60.12 -2.24 0.00	77.48 -4.60 0.00	68.42 -2.48 0.00	50.15 -0.56 0.00	44.30 -0.27 0.00	41.41 -0.25 0.00	40.63 -0.04 0.00	41.32 -0.29 0.00	40.41 -0.62 0.00	42.19 -0.51 0.00	48.71 -2.40 0.00	61.09 -2.81 0.00	78.00 -2.92 0.20	68.95 -2.35 0.05	58.58 -2.31 0.00	49.67 -0.76 0.00	45.51 -1.21 0.00	43.05 -0.92 0.00



CALVERTON___SOLAR 323806	39.73 1.16 0.00	37.43 0.77 0.00	37.33 0.77 0.00	36.68 0.65 0.00	36.98 0.72 0.00	42.80 1.16 0.00	55.31 1.12 8.17	65.41 2.38 19.05	66.17 1.98 6.71	52.20 2.08 0.59	46.57 2.01 0.00	35.61 1.50 7.55	33.12 1.67 9.22	32.37 1.92 11.17	32.48 1.85 10.39	36.12 1.54 8.12	52.10 1.99 1.00	62.92 1.66 2.65	65.58 2.35 17.89	68.80 1.93 4.48	62.10 1.22 0.02	51.09 0.80 0.14	47.08 0.37 0.02	44.89 0.92 0.00
CANDIGU_WT_PWR 323617	38.30 -0.27 0.00	36.37 -0.29 0.00	36.23 -0.33 0.00	35.74 -0.29 0.00	35.78 -0.47 0.00	41.02 -0.62 0.00	61.43 -0.93 0.00	79.95 -2.13 0.00	69.77 -1.14 0.00	50.51 -0.20 0.00	44.39 -0.18 0.00	41.41 -0.25 0.00	40.55 -0.12 0.00	41.33 -0.29 0.00	40.65 -0.37 0.00	42.45 -0.25 0.00	49.83 -1.28 0.00	62.82 -1.09 0.00	80.12 -0.81 0.19	70.66 -0.64 0.05	59.99 -0.91 0.00	50.28 -0.15 0.00	46.35 -0.38 0.00	43.66 -0.31 0.00
CARR STREET_E_SYR 24060	37.99 -0.58 0.00	36.12 -0.55 0.00	36.01 -0.55 0.00	35.49 -0.54 0.00	35.67 -0.58 0.00	41.02 -0.62 0.00	61.61 -0.75 0.00	81.01 -1.07 0.00	70.12 -0.78 0.00	50.20 -0.51 0.00	44.17 -0.40 0.00	41.25 -0.42 0.00	40.30 -0.37 0.00	41.20 -0.42 0.00	40.57 -0.45 0.00	42.32 -0.39 0.00	50.44 -0.67 0.00	63.07 -0.83 0.00	80.09 -0.81 0.22	70.58 -0.71 0.06	60.10 -0.79 0.00	49.87 -0.55 0.00	46.12 -0.61 0.00	43.35 -0.62 0.00
CARTHAGE___PAPER 23857	39.38 0.81 0.00	37.51 0.84 0.00	37.33 0.77 0.00	36.71 0.68 0.00	37.09 0.83 0.00	42.39 0.75 0.00	64.61 1.94 -0.31	85.88 2.87 -0.93	74.23 2.27 -1.06	51.79 0.81 -0.27	45.20 0.62 -0.01	42.33 0.66 0.00	41.28 0.61 0.00	42.10 0.46 -0.02	41.35 0.33 0.00	42.92 0.21 0.00	51.42 0.31 0.00	64.61 0.70 0.00	83.29 1.38 -0.80	73.57 2.21 0.00	62.67 1.77 0.00	52.19 1.76 0.00	48.32 1.59 0.00	45.16 1.19 0.00
CASSADAGA_WT_PWR 323784	38.84 0.27 0.00	36.89 0.22 0.00	36.60 0.04 0.00	36.14 0.11 0.00	36.04 -0.22 0.00	41.31 -0.33 0.00	61.86 -0.50 0.00	79.95 -2.13 0.00	70.19 -0.71 0.00	51.17 0.46 0.00	45.06 0.49 0.00	42.04 0.37 0.00	41.08 0.41 0.00	41.78 0.17 0.00	40.98 -0.04 0.00	42.54 -0.17 0.00	49.32 -1.79 0.00	62.31 -1.60 0.00	79.54 -1.38 0.20	70.45 -0.85 0.05	59.92 -0.98 0.00	50.73 0.30 0.00	46.77 0.05 0.00	43.88 -0.09 0.00
CE_DUNWOOD___DRP 24194	40.69 2.12 0.00	38.53 1.87 0.00	38.35 1.79 0.00	37.76 1.73 0.00	38.03 1.78 0.00	43.81 2.17 0.00	65.60 3.24 0.00	87.09 5.01 0.00	74.94 4.04 0.00	53.78 3.04 -0.03	47.29 2.72 0.00	44.21 2.54 0.00	43.28 2.60 0.00	44.41 2.79 0.00	43.82 2.79 0.00	45.40 2.69 0.00	54.43 3.27 -0.05	67.68 3.77 0.00	86.27 5.19 0.05	75.55 4.21 0.01	63.76 2.86 0.00	52.75 2.32 0.00	48.92 2.20 0.00	46.04 2.07 0.00
CE_MILLWOOD___DRP 24193	40.62 2.04 0.00	38.50 1.83 0.00	38.32 1.75 0.00	37.72 1.69 0.00	37.99 1.74 0.00	43.77 2.12 0.00	65.54 3.18 0.00	87.01 4.92 0.00	74.87 3.97 0.00	53.68 2.94 -0.03	47.20 2.63 0.00	44.12 2.46 0.00	43.19 2.52 0.00	44.32 2.71 0.00	43.73 2.71 0.00	45.36 2.65 0.00	54.32 3.17 -0.04	67.61 3.71 0.00	86.10 5.03 0.05	75.48 4.14 0.01	63.64 2.74 0.00	52.65 2.22 0.00	48.88 2.15 0.00	45.99 2.02 0.00
CE_NYC2_DRP 24202	41.13 2.55 -0.01	38.95 2.27 -0.01	38.69 2.12 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.23 2.58 -0.01	66.16 3.80 0.00	87.83 5.75 -0.01	75.37 4.47 0.00	54.27 3.50 -0.06	47.84 3.25 -0.01	44.72 3.04 -0.01	43.77 3.09 -0.01	44.92 3.29 -0.01	44.36 3.32 -0.01	45.92 3.20 -0.01	54.99 3.78 -0.10	68.19 4.28 0.00	86.83 5.76 0.05	75.91 4.57 0.01	64.00 3.11 0.00	53.25 2.82 0.00	49.45 2.71 -0.01	46.48 2.51 -0.01
CE_NYC_DRP 24195	40.96 2.39 0.00	38.79 2.13 0.00	38.54 1.97 0.00	37.94 1.91 0.00	38.21 1.96 0.00	44.06 2.42 0.00	66.04 3.68 0.00	87.83 5.75 -0.01	75.44 4.54 0.00	54.31 3.55 -0.05	47.70 3.12 -0.01	44.63 2.96 -0.01	43.68 3.01 -0.01	44.83 3.20 -0.01	44.23 3.20 -0.01	45.83 3.12 -0.01	54.93 3.73 -0.09	68.19 4.28 0.00	86.83 5.76 0.05	75.98 4.64 0.01	64.06 3.17 0.00	53.05 2.62 0.00	49.25 2.52 0.00	46.30 2.33 0.00
CHAFFEE___LFGE 323603	38.11 -0.46 0.00	36.15 -0.51 0.00	35.94 -0.62 0.00	35.53 -0.50 0.00	35.42 -0.83 0.00	40.56 -1.08 0.00	60.36 -2.00 0.00	77.90 -4.18 0.00	68.70 -2.20 0.00	50.30 -0.41 0.00	44.44 -0.13 0.00	41.50 -0.17 0.00	40.75 0.08 0.00	41.45 -0.17 0.00	40.78 -0.24 0.00	42.28 -0.43 0.00	49.01 -2.10 0.00	61.61 -2.30 0.00	78.32 -2.60 0.20	69.23 -2.07 0.05	58.83 -2.07 0.00	49.77 -0.66 0.00	45.89 -0.84 0.00	43.09 -0.88 0.00
CHATEAUG_35_KV_LOAD 355732	38.96 0.39 0.00	37.07 0.40 0.00	36.93 0.37 0.00	36.50 0.47 0.00	36.69 0.44 0.00	42.18 0.54 0.00	62.80 0.44 0.00	82.49 0.41 0.00	71.40 0.50 0.00	51.32 0.61 0.00	45.24 0.67 0.00	42.04 0.37 0.00	40.95 0.28 0.00	41.87 0.25 0.00	41.27 0.25 0.00	43.05 0.34 0.00	51.36 0.26 0.00	64.29 0.38 0.00	81.20 0.08 0.00	71.93 0.57 0.00	61.63 0.73 0.00	50.93 0.50 0.00	47.43 0.70 0.00	44.54 0.57 0.00
CHATEAUG_WT_PWR 323614	38.88 0.31 0.00	36.99 0.33 0.00	36.85 0.29 0.00	36.43 0.40 0.00	36.58 0.33 0.00	42.06 0.42 0.00	62.67 0.31 0.00	82.33 0.25 0.00	71.26 0.36 0.00	51.22 0.51 0.00	45.19 0.62 0.00	42.08 0.42 0.00	40.99 0.32 0.00	41.91 0.29 0.00	41.31 0.29 0.00	43.01 0.30 0.00	51.26 0.15 0.00	64.10 0.19 0.00	81.04 -0.08 0.00	71.50 0.14 0.00	61.44 0.55 0.00	50.78 0.36 0.00	47.29 0.56 0.00	44.41 0.44 0.00
CHAT_HIGH_FALL_HYD 323578	38.96 0.39 0.00	37.07 0.40 0.00	36.93 0.37 0.00	36.50 0.47 0.00	36.69 0.44 0.00	42.18 0.54 0.00	62.80 0.44 0.00	82.49 0.41 0.00	71.40 0.50 0.00	51.32 0.61 0.00	45.24 0.67 0.00	42.04 0.37 0.00	40.95 0.28 0.00	41.87 0.25 0.00	41.27 0.25 0.00	43.05 0.34 0.00	51.36 0.26 0.00	64.29 0.38 0.00	81.20 0.08 0.00	71.93 0.57 0.00	61.63 0.73 0.00	50.93 0.50 0.00	47.43 0.70 0.00	44.54 0.57 0.00
CHAUTAUQUA___LFGE 323629	38.61 0.04 0.00	36.66 0.00 0.00	36.42 -0.15 0.00	35.96 -0.07 0.00	35.86 -0.40 0.00	41.10 -0.54 0.00	61.36 -1.00 0.00	79.13 -2.95 0.00	69.63 -1.27 0.00	50.86 0.15 0.00	44.88 0.31 0.00	41.87 0.21 0.00	41.04 0.37 0.00	41.74 0.13 0.00	40.98 -0.04 0.00	42.54 -0.17 0.00	49.32 -1.79 0.00	62.18 -1.72 0.00	79.21 -1.71 0.20	70.09 -1.21 0.05	59.56 -1.34 0.00	50.43 0.00 0.00	46.50 -0.23 0.00	43.66 -0.31 0.00
CHERRYST_13_KV_LD 356241	41.04 2.47 0.00	38.86 2.20 0.00	38.64 2.08 0.00	38.05 2.02 0.00	38.28 2.03 0.00	44.18 2.54 0.00	66.23 3.87 0.00	88.08 5.99 -0.01	75.72 4.82 0.00	54.46 3.70 -0.05	47.83 3.25 -0.01	44.75 3.08 -0.01	43.81 3.13 -0.01	44.99 3.37 -0.01	44.39 3.36 -0.01	45.96 3.25 -0.01	55.13 3.94 -0.09	68.44 4.54 0.00	87.08 6.00 0.05	76.20 4.85 0.01	64.25 3.35 0.00	53.20 2.77 0.00	49.34 2.62 0.00	46.39 2.42 0.00



CHESTROR_138KV_BK263 355645	40.39 1.81 0.00	38.28 1.61 0.00	38.10 1.54 0.00	37.54 1.51 0.00	37.78 1.52 0.00	43.52 1.87 0.00	65.17 2.81 0.00	86.43 4.35 0.00	74.31 3.40 0.00	53.21 2.48 -0.01	46.76 2.18 0.00	43.71 2.04 0.00	42.75 2.07 0.00	43.82 2.21 0.00	43.24 2.22 0.00	44.88 2.18 0.00	53.84 2.71 -0.02	67.10 3.20 0.00	85.53 4.46 0.05	74.98 3.64 0.01	63.39 2.50 0.00	52.50 2.07 0.00	48.69 1.96 0.00	45.82 1.85 0.00
CH_MIDHUDSON___DRP 24192	40.31 1.74 0.00	38.20 1.54 0.00	38.06 1.50 0.00	37.51 1.48 0.00	37.74 1.49 0.00	43.48 1.83 0.00	65.10 2.74 0.00	86.27 4.19 0.00	74.23 3.33 0.00	53.04 2.33 0.00	46.58 2.01 0.00	43.58 1.92 0.00	42.62 1.95 0.00	43.70 2.08 0.00	43.12 2.09 0.00	44.80 2.09 0.00	53.71 2.61 0.00	67.04 3.13 0.00	85.37 4.30 0.04	74.77 3.43 0.01	63.39 2.50 0.00	52.50 2.07 0.00	48.69 1.96 0.00	45.82 1.85 0.00
CH_MISC_IPPS 23765	40.58 2.00 0.00	38.50 1.83 0.00	38.32 1.75 0.00	37.73 1.69 0.00	37.99 1.74 0.00	43.77 2.12 0.00	65.66 3.30 0.00	86.92 4.84 0.00	74.80 3.90 0.00	53.40 2.69 0.00	46.84 2.27 0.00	43.83 2.17 0.00	42.86 2.19 0.00	43.94 2.33 0.00	43.32 2.30 0.00	45.10 2.39 0.00	54.02 2.91 0.00	67.48 3.58 0.00	86.11 5.03 0.05	75.63 4.28 0.01	63.82 2.92 0.00	52.90 2.47 0.00	48.97 2.24 0.00	46.17 2.20 0.00
CH_RES_BVR_FALLS 23983	38.50 -0.08 0.00	36.59 -0.07 0.00	36.49 -0.07 0.00	36.00 -0.04 0.00	36.22 -0.04 0.00	41.64 0.00 0.00	62.30 -0.06 0.00	81.92 -0.16 0.00	70.83 -0.07 0.00	50.71 0.00 0.00	44.57 0.00 0.00	41.66 0.00 0.00	40.67 0.00 0.00	41.57 -0.04 0.00	40.98 -0.04 0.00	42.62 -0.09 0.00	50.96 -0.15 0.00	63.78 -0.13 0.00	80.88 -0.24 0.00	71.29 -0.07 0.00	60.96 0.06 0.00	50.48 0.05 0.00	46.82 0.09 0.00	44.06 0.09 0.00
CH_RES_NIAGARA 23895	37.61 -0.96 0.00	35.67 -0.99 0.00	35.50 -1.06 0.00	34.81 -1.23 0.00	35.02 -1.23 0.00	39.81 -1.83 0.00	58.43 -3.93 0.00	74.94 -7.14 0.00	66.44 -4.47 0.00	48.99 -1.72 0.00	43.37 -1.12 0.00	40.54 -1.12 0.00	39.86 -0.81 0.00	40.45 -1.17 0.00	39.55 -1.48 0.00	41.30 -1.41 0.00	47.53 -3.58 0.00	59.37 -4.54 0.00	75.56 -5.35 0.20	66.88 -4.42 0.05	56.88 -4.02 0.00	48.41 -2.02 0.00	44.39 -2.34 0.00	42.26 -1.71 0.00
CH_RES_SYRACUSE 23985	38.19 -0.39 0.00	36.30 -0.37 0.00	36.23 -0.33 0.00	35.67 -0.36 0.00	35.89 -0.36 0.00	41.27 -0.38 0.00	62.43 -0.31 -0.38	82.71 -0.49 -1.12	71.90 -0.28 -1.28	50.89 -0.15 -0.33	44.45 -0.13 -0.01	41.50 -0.17 0.00	40.55 -0.12 0.00	41.48 -0.17 -0.03	40.78 -0.24 0.00	42.54 -0.17 0.00	50.75 -0.36 0.00	63.53 -0.38 0.00	81.65 -0.32 -0.85	71.11 -0.21 0.03	60.53 -0.36 0.00	50.18 -0.25 0.00	46.40 -0.32 0.00	43.66 -0.31 0.00
CLINTON_WT_PWR 323605	38.88 0.31 0.00	36.99 0.33 0.00	36.85 0.29 0.00	36.43 0.40 0.00	36.58 0.33 0.00	42.06 0.42 0.00	62.67 0.31 0.00	82.33 0.25 0.00	71.26 0.36 0.00	51.22 0.51 0.00	45.19 0.62 0.00	42.08 0.42 0.00	40.99 0.32 0.00	41.91 0.29 0.00	41.31 0.29 0.00	43.01 0.30 0.00	51.26 0.15 0.00	64.10 0.19 0.00	81.04 -0.08 0.00	71.50 0.14 0.00	61.44 0.55 0.00	50.78 0.36 0.00	47.29 0.56 0.00	44.41 0.44 0.00
CLINTON___LFGE 323618	39.23 0.66 0.00	37.29 0.62 0.00	37.11 0.55 0.00	36.71 0.68 0.00	36.87 0.62 0.00	42.39 0.75 0.00	62.98 0.62 0.00	82.66 0.58 0.00	71.61 0.71 0.00	51.57 0.86 0.00	45.60 1.03 0.00	42.45 0.79 0.00	41.28 0.61 0.00	42.24 0.63 0.00	41.60 0.57 0.00	43.35 0.64 0.00	51.57 0.46 0.00	64.55 0.64 0.00	81.45 0.33 0.00	71.92 0.57 0.00	62.00 1.10 0.00	51.19 0.76 0.00	47.80 1.08 0.00	44.85 0.88 0.00
COBBLENY_34_KV_TB1 80064	38.11 -0.46 0.00	36.15 -0.51 0.00	35.94 -0.62 0.00	35.24 -0.79 0.00	35.38 -0.87 0.00	40.56 -1.08 0.00	60.36 -2.00 0.00	77.81 -4.27 0.00	68.70 -2.20 0.00	50.30 -0.41 0.00	44.44 -0.13 0.00	41.50 -0.17 0.00	40.75 0.08 0.00	41.45 -0.17 0.00	40.49 -0.53 0.00	42.28 -0.43 0.00	48.81 -2.30 0.00	61.29 -2.62 0.00	78.32 -2.60 0.20	69.16 -2.14 0.05	58.77 -2.13 0.00	49.77 -0.66 0.00	45.61 -1.12 0.00	43.05 -0.92 0.00
COFFEEN___115KV_TB3 355620	39.73 1.16 0.00	37.87 1.21 0.00	37.69 1.13 0.00	37.04 1.01 0.00	37.45 1.20 0.00	42.73 1.08 0.00	65.36 2.62 -0.38	87.01 3.78 -1.15	75.26 3.05 -1.31	52.22 1.17 -0.34	45.47 0.89 -0.01	42.50 0.83 0.00	41.44 0.77 0.00	42.19 0.54 -0.03	41.39 0.37 0.00	43.09 0.38 0.00	51.77 0.66 0.00	65.18 1.28 0.00	84.30 2.19 -0.99	74.50 3.14 0.00	63.21 2.31 0.00	52.65 2.22 0.00	48.64 1.92 0.00	45.42 1.45 0.00
COLDSPRG_115KV_BK1 355956	38.88 0.31 0.00	36.92 0.26 0.00	36.67 0.11 0.00	35.96 -0.07 0.00	36.07 -0.18 0.00	41.48 -0.17 0.00	62.36 0.00 0.00	80.69 -1.40 0.00	70.76 -0.14 0.00	51.52 0.81 0.00	45.37 0.80 0.00	42.37 0.71 0.00	41.44 0.77 0.00	42.20 0.58 0.00	41.19 0.16 0.00	42.92 0.21 0.00	49.63 -1.48 0.00	62.69 -1.21 0.00	80.35 -0.57 0.20	71.02 -0.29 0.05	60.23 -0.67 0.00	50.88 0.45 0.00	46.63 -0.09 0.00	43.93 -0.04 0.00
COLONIE_LFGE___ 323577	39.38 0.81 0.00	37.47 0.81 0.00	37.36 0.80 0.00	36.79 0.76 0.00	37.09 0.83 0.00	42.64 1.00 0.00	63.73 1.37 0.00	83.88 1.80 0.00	72.11 1.20 0.00	51.22 0.51 0.00	44.79 0.22 0.00	41.96 0.29 0.00	40.87 0.20 0.00	41.99 0.37 0.00	41.48 0.45 0.00	43.26 0.55 0.00	52.39 1.28 0.00	65.76 1.85 0.00	83.28 2.19 0.03	72.85 1.50 0.01	62.42 1.52 0.00	51.23 0.80 0.00	47.52 0.79 0.00	44.85 0.88 0.00
COOPERNY_115KV_TB1 80082	39.92 1.35 0.00	37.91 1.25 0.00	37.77 1.21 0.00	37.18 1.15 0.00	37.45 1.20 0.00	43.06 1.42 0.00	64.54 2.18 0.00	85.36 3.28 0.00	73.53 2.62 0.00	52.64 1.93 -0.01	46.26 1.69 0.00	43.25 1.58 0.00	42.26 1.59 0.00	43.32 1.71 0.00	42.71 1.68 0.00	44.37 1.67 0.00	53.16 2.04 -0.01	66.27 2.36 0.00	84.38 3.33 0.06	74.05 2.71 0.02	62.79 1.89 0.00	52.04 1.61 0.00	48.22 1.50 0.00	45.38 1.41 0.00
COPENHAGEN_WT_PWR 323753	39.34 0.77 0.00	37.51 0.84 0.00	37.36 0.80 0.00	36.71 0.68 0.00	37.09 0.83 0.00	42.39 0.75 0.00	64.70 1.94 -0.40	86.16 2.87 -1.21	74.55 2.27 -1.38	51.88 0.81 -0.36	45.20 0.62 -0.01	42.29 0.63 0.00	41.20 0.53 0.00	41.98 0.33 -0.03	41.23 0.21 0.00	42.92 0.21 0.00	51.42 0.31 0.00	64.61 0.70 0.00	83.62 1.46 -1.04	73.57 2.21 0.00	62.54 1.64 0.00	52.09 1.66 0.00	48.18 1.45 0.00	45.02 1.05 0.00
CORNELL_____ 23752	39.07 0.50 0.00	37.14 0.48 0.00	37.07 0.51 0.00	36.43 0.40 0.00	36.69 0.44 0.00	42.18 0.54 0.00	63.61 1.25 0.00	83.56 1.48 0.00	72.32 1.42 0.00	51.62 0.91 0.00	45.28 0.71 0.00	42.21 0.54 0.00	41.24 0.57 0.00	42.16 0.54 0.00	41.39 0.37 0.00	43.35 0.64 0.00	51.72 0.61 0.00	64.93 1.02 0.00	82.72 1.78 0.19	73.02 1.71 0.05	62.05 1.16 0.00	51.49 1.06 0.00	47.57 0.84 0.00	44.72 0.75 0.00



CORONA_69_KV_TB1 355595	40.65 2.04 -0.04	38.39 1.72 0.00	38.21 1.65 0.00	37.58 1.55 0.00	37.81 1.56 0.00	43.80 2.12 -0.04	64.20 2.62 0.78	84.62 4.35 1.81	73.67 3.40 0.64	53.45 2.79 0.05	47.20 2.63 0.00	44.16 2.50 0.00	43.31 2.64 0.00	44.57 2.95 0.00	43.97 2.95 0.00	45.43 2.73 0.00	54.15 3.12 0.08	67.04 3.39 0.26	84.09 4.70 1.74	74.77 3.85 0.44	63.39 2.50 0.01	52.38 1.97 0.02	48.59 1.87 0.01	46.31 2.29 -0.05
CORTLAND_115KV_TB3 80093	38.80 0.23 0.00	36.88 0.22 0.00	36.78 0.22 0.00	36.18 0.14 0.00	36.43 0.18 0.00	41.89 0.25 0.00	63.05 0.69 0.00	82.90 0.82 0.00	71.75 0.85 0.00	51.27 0.56 0.00	45.02 0.45 0.00	42.04 0.37 0.00	41.04 0.37 0.00	41.95 0.33 0.00	41.23 0.21 0.00	43.09 0.38 0.00	51.41 0.31 0.00	64.42 0.51 0.00	81.98 1.05 0.19	72.31 1.00 0.05	61.51 0.61 0.00	51.03 0.61 0.00	47.15 0.42 0.00	44.32 0.35 0.00
COXSACKIE___GT 23611	39.96 1.39 0.00	38.06 1.39 0.00	37.91 1.35 0.00	37.40 1.37 0.00	38.25 1.99 0.00	44.06 2.41 0.00	66.72 4.36 0.00	87.50 5.42 0.00	74.45 3.54 0.00	51.88 1.17 0.00	45.06 0.49 0.00	42.00 0.33 0.00	40.99 0.32 0.00	41.95 0.33 0.00	41.52 0.49 0.00	43.56 0.85 0.00	52.39 1.28 0.00	66.47 2.56 0.00	84.74 3.65 0.04	74.34 3.00 0.01	63.27 2.37 0.00	52.39 1.96 0.00	48.41 1.68 0.00	45.68 1.71 0.00
CPV_VALLEY___CC1 323721	40.39 1.81 0.00	38.28 1.61 0.00	38.10 1.54 0.00	37.51 1.48 0.00	37.78 1.52 0.00	43.52 1.88 0.00	65.17 2.81 0.00	86.35 4.27 0.00	74.38 3.47 0.00	53.25 2.53 -0.01	46.76 2.18 0.00	43.75 2.08 0.00	42.78 2.11 0.00	43.90 2.29 0.00	43.28 2.25 0.00	44.93 2.22 0.00	53.78 2.66 -0.02	67.10 3.19 0.00	85.45 4.38 0.05	75.05 3.71 0.01	63.34 2.44 0.00	52.45 2.02 0.00	48.60 1.87 0.00	45.82 1.85 0.00
CPV_VALLEY___CC2 323722	40.39 1.81 0.00	38.28 1.61 0.00	38.10 1.54 0.00	37.51 1.48 0.00	37.78 1.52 0.00	43.52 1.88 0.00	65.17 2.81 0.00	86.35 4.27 0.00	74.38 3.47 0.00	53.25 2.53 -0.01	46.76 2.18 0.00	43.75 2.08 0.00	42.78 2.11 0.00	43.90 2.29 0.00	43.28 2.25 0.00	44.93 2.22 0.00	53.78 2.66 -0.02	67.10 3.19 0.00	85.45 4.38 0.05	75.05 3.71 0.01	63.34 2.44 0.00	52.45 2.02 0.00	48.60 1.87 0.00	45.82 1.85 0.00
CRESCENT___HYD 24018	39.38 0.81 0.00	37.47 0.81 0.00	37.36 0.80 0.00	36.79 0.76 0.00	37.09 0.83 0.00	42.64 1.00 0.00	63.73 1.37 0.00	83.88 1.80 0.00	72.11 1.20 0.00	51.22 0.51 0.00	44.79 0.22 0.00	41.96 0.29 0.00	40.87 0.20 0.00	41.99 0.37 0.00	41.48 0.45 0.00	43.26 0.55 0.00	52.39 1.28 0.00	65.76 1.85 0.00	83.28 2.19 0.03	72.85 1.50 0.01	62.42 1.52 0.00	51.23 0.80 0.00	47.52 0.79 0.00	44.85 0.88 0.00
CRICKET___VALLEY_CC1 323756	39.84 1.27 0.00	37.76 1.10 0.00	37.58 1.02 0.00	37.00 0.97 0.00	37.27 1.01 0.00	42.94 1.29 0.00	64.17 1.81 0.00	85.12 3.04 0.00	73.31 2.41 0.00	52.48 1.77 0.00	46.09 1.52 0.00	43.12 1.46 0.00	42.18 1.51 0.00	43.28 1.67 0.00	42.67 1.64 0.00	44.33 1.62 0.00	53.05 1.94 0.00	66.14 2.24 0.00	84.24 3.16 0.04	73.91 2.57 0.01	62.54 1.64 0.00	51.79 1.36 0.00	47.99 1.26 0.00	45.25 1.28 0.00
CRICKET___VALLEY_CC2 323757	39.84 1.27 0.00	37.76 1.10 0.00	37.58 1.02 0.00	37.00 0.97 0.00	37.27 1.01 0.00	42.94 1.29 0.00	64.17 1.81 0.00	85.12 3.04 0.00	73.31 2.41 0.00	52.48 1.77 0.00	46.09 1.52 0.00	43.12 1.46 0.00	42.18 1.51 0.00	43.28 1.67 0.00	42.67 1.64 0.00	44.33 1.62 0.00	53.05 1.94 0.00	66.14 2.24 0.00	84.24 3.16 0.04	73.91 2.57 0.01	62.54 1.64 0.00	51.79 1.36 0.00	47.99 1.26 0.00	45.25 1.28 0.00
CRICKET___VALLEY_CC3 323758	39.84 1.27 0.00	37.76 1.10 0.00	37.58 1.02 0.00	37.00 0.97 0.00	37.27 1.01 0.00	42.94 1.29 0.00	64.17 1.81 0.00	85.12 3.04 0.00	73.31 2.41 0.00	52.48 1.77 0.00	46.09 1.52 0.00	43.12 1.46 0.00	42.18 1.51 0.00	43.28 1.67 0.00	42.67 1.64 0.00	44.33 1.62 0.00	53.05 1.94 0.00	66.14 2.24 0.00	84.24 3.16 0.04	73.91 2.57 0.01	62.54 1.64 0.00	51.79 1.36 0.00	47.99 1.26 0.00	45.25 1.28 0.00
CRUCIBLE_METL_DRP 24180	38.19 -0.39 0.00	36.30 -0.37 0.00	36.23 -0.33 0.00	35.63 -0.40 0.00	35.89 -0.36 0.00	41.27 -0.37 0.00	62.42 -0.31 -0.38	82.63 -0.57 -1.12	71.90 -0.28 -1.28	50.89 -0.15 -0.33	44.45 -0.13 -0.01	41.50 -0.17 0.00	40.55 -0.12 0.00	41.48 -0.17 -0.03	40.74 -0.29 0.00	42.53 -0.17 0.00	50.70 -0.41 0.00	63.46 -0.45 0.00	81.64 -0.32 -0.85	71.04 -0.29 0.03	60.53 -0.37 0.00	50.18 -0.25 0.00	46.40 -0.33 0.00	43.66 -0.31 0.00
DAHOWA___HYDRO 323763	39.73 1.16 0.00	37.76 1.10 0.00	37.70 1.13 0.00	37.15 1.12 0.00	37.41 1.16 0.00	43.01 1.37 0.00	64.67 2.31 0.00	85.03 2.95 0.00	73.17 2.27 0.00	51.57 0.86 0.00	45.02 0.45 0.00	42.04 0.37 0.00	41.04 0.37 0.00	42.12 0.50 0.00	41.64 0.62 0.00	43.43 0.73 0.00	52.64 1.53 0.00	66.27 2.37 0.00	84.25 3.16 0.03	73.70 2.35 0.01	62.97 2.07 0.00	51.79 1.36 0.00	48.03 1.31 0.00	45.29 1.32 0.00
DANC___LFGE 323619	38.77 0.19 0.00	36.89 0.22 0.00	36.78 0.22 0.00	36.18 0.14 0.00	36.47 0.22 0.00	41.77 0.13 0.00	63.63 0.75 -0.51	84.76 1.15 -1.54	73.65 0.99 -1.75	51.32 0.15 -0.46	44.67 0.09 -0.01	41.75 0.08 0.00	40.71 0.04 0.00	41.57 -0.08 -0.04	40.86 -0.16 0.00	42.54 -0.17 0.00	50.90 -0.20 0.00	63.78 -0.13 0.00	82.68 0.24 -1.32	72.22 0.86 0.00	61.44 0.55 0.00	51.08 0.65 0.00	47.29 0.56 0.00	44.32 0.35 0.00
DANSKAMMER___1 23586	40.58 2.00 0.00	38.50 1.83 0.00	38.32 1.75 0.00	37.73 1.69 0.00	37.99 1.74 0.00	43.77 2.12 0.00	65.66 3.30 0.00	86.92 4.84 0.00	74.80 3.90 0.00	53.40 2.69 0.00	46.84 2.27 0.00	43.83 2.17 0.00	42.86 2.19 0.00	43.94 2.33 0.00	43.32 2.30 0.00	45.10 2.39 0.00	54.02 2.91 0.00	67.48 3.58 0.00	86.11 5.03 0.05	75.63 4.28 0.01	63.82 2.92 0.00	52.90 2.47 0.00	48.97 2.24 0.00	46.17 2.20 0.00
DANSKAMMER___2 23589	40.58 2.00 0.00	38.50 1.83 0.00	38.32 1.75 0.00	37.73 1.69 0.00	37.99 1.74 0.00	43.77 2.12 0.00	65.66 3.30 0.00	86.92 4.84 0.00	74.80 3.90 0.00	53.40 2.69 0.00	46.84 2.27 0.00	43.83 2.17 0.00	42.86 2.19 0.00	43.94 2.33 0.00	43.32 2.30 0.00	45.10 2.39 0.00	54.02 2.91 0.00	67.48 3.58 0.00	86.11 5.03 0.05	75.63 4.28 0.01	63.82 2.92 0.00	52.90 2.47 0.00	48.97 2.24 0.00	46.17 2.20 0.00
DANSKAMMER___3 23590	40.58 2.00 0.00	38.50 1.83 0.00	38.32 1.75 0.00	37.73 1.69 0.00	37.99 1.74 0.00	43.77 2.12 0.00	65.66 3.30 0.00	86.92 4.84 0.00	74.80 3.90 0.00	53.40 2.69 0.00	46.84 2.27 0.00	43.83 2.17 0.00	42.86 2.19 0.00	43.94 2.33 0.00	43.32 2.30 0.00	45.10 2.39 0.00	54.02 2.91 0.00	67.48 3.58 0.00	86.11 5.03 0.05	75.63 4.28 0.01	63.82 2.92 0.00	52.90 2.47 0.00	48.97 2.24 0.00	46.17 2.20 0.00



DANSKAMMER___4 23591	40.58 2.00 0.00	38.50 1.83 0.00	38.32 1.75 0.00	37.73 1.69 0.00	37.99 1.74 0.00	43.77 2.12 0.00	65.66 3.30 0.00	86.92 4.84 0.00	74.80 3.90 0.00	53.40 2.69 0.00	46.84 2.27 0.00	43.83 2.17 0.00	42.86 2.19 0.00	43.94 2.33 0.00	43.32 2.30 0.00	45.10 2.39 0.00	54.02 2.91 0.00	67.48 3.58 0.00	86.11 5.03 0.05	75.63 4.28 0.01	63.82 2.92 0.00	52.90 2.47 0.00	48.97 2.24 0.00	46.17 2.20 0.00
DANSKAMMER___DIESEL 23592	40.58 2.01 0.00	38.50 1.83 0.00	38.32 1.75 0.00	37.76 1.73 0.00	37.99 1.74 0.00	43.77 2.12 0.00	65.67 3.31 0.00	87.01 4.92 0.00	74.80 3.90 0.00	53.40 2.69 0.00	46.89 2.32 0.00	43.83 2.17 0.00	42.87 2.20 0.00	43.95 2.33 0.00	43.40 2.38 0.00	45.10 2.39 0.00	54.07 2.96 0.00	67.55 3.64 0.00	86.10 5.03 0.05	75.48 4.14 0.01	63.88 2.98 0.00	52.90 2.47 0.00	49.06 2.34 0.00	46.17 2.20 0.00
DARBY___SOLAR 323810	39.65 1.08 0.00	37.69 1.03 0.00	37.58 1.02 0.00	37.08 1.05 0.00	37.34 1.09 0.00	42.94 1.29 0.00	64.48 2.12 0.00	84.79 2.70 0.00	72.88 1.98 0.00	51.47 0.76 0.00	44.97 0.40 0.00	42.00 0.33 0.00	40.96 0.29 0.00	42.03 0.42 0.00	41.56 0.53 0.00	43.39 0.68 0.00	52.54 1.43 0.00	66.14 2.24 0.00	84.00 2.92 0.03	73.49 2.14 0.01	62.85 1.95 0.00	51.69 1.26 0.00	47.90 1.17 0.00	45.20 1.23 0.00
DASHVILLE___HYD 23610	40.31 1.74 0.00	38.20 1.54 0.00	38.06 1.50 0.00	37.51 1.48 0.00	37.78 1.52 0.00	43.52 1.87 0.00	65.23 2.87 0.00	86.35 4.27 0.00	74.09 3.19 0.00	52.84 2.13 0.00	46.35 1.78 0.00	43.33 1.67 0.00	42.38 1.71 0.00	43.45 1.83 0.00	42.91 1.89 0.00	44.58 1.88 0.00	53.51 2.40 0.00	66.78 2.88 0.00	85.13 4.06 0.04	74.70 3.35 0.01	63.21 2.31 0.00	52.45 2.02 0.00	48.64 1.92 0.00	45.82 1.85 0.00
DELAWARE___LFGE 323621	39.50 0.93 0.00	37.54 0.88 0.00	37.48 0.91 0.00	36.90 0.86 0.00	37.16 0.91 0.00	42.64 1.00 0.00	64.11 1.75 0.00	84.62 2.54 0.00	73.03 2.13 0.00	52.08 1.37 0.00	45.77 1.20 0.00	42.79 1.12 0.00	41.77 1.10 0.00	42.70 1.08 0.00	42.05 1.03 0.00	43.86 1.15 0.00	52.49 1.38 0.00	65.50 1.60 0.00	83.28 2.27 0.11	73.33 2.00 0.03	62.36 1.46 0.00	51.74 1.31 0.00	47.90 1.17 0.00	45.03 1.06 0.00
DERFIELD_115KV_TB7 355931	38.69 0.12 0.00	36.77 0.11 0.00	36.67 0.11 0.00	36.14 0.11 0.00	36.36 0.11 0.00	41.77 0.12 0.00	62.55 0.19 0.00	82.41 0.33 0.00	71.12 0.21 0.00	50.81 0.10 0.00	44.62 0.04 0.00	41.75 0.08 0.00	40.75 0.08 0.00	41.70 0.08 0.00	41.11 0.08 0.00	42.79 0.09 0.00	51.31 0.20 0.00	64.16 0.26 0.00	81.44 0.32 0.00	71.64 0.29 0.00	61.08 0.18 0.00	50.58 0.15 0.00	46.82 0.09 0.00	44.06 0.09 0.00
DOGLEVILLE___HYD 23807	40.27 1.70 0.00	38.31 1.65 0.00	38.21 1.65 0.00	37.62 1.59 0.00	37.89 1.63 0.00	43.43 1.79 0.00	65.23 2.87 0.00	85.86 3.78 0.00	74.16 3.26 0.00	52.84 2.13 0.00	46.53 1.96 0.00	43.50 1.83 0.00	42.38 1.71 0.00	43.32 1.71 0.00	42.66 1.64 0.00	44.41 1.71 0.00	53.20 2.10 0.00	66.53 2.62 0.00	84.53 3.41 0.00	74.42 3.07 0.00	63.39 2.50 0.00	52.70 2.27 0.00	48.88 2.15 0.00	45.99 2.02 0.00
DUNKIRK___115KV_TB_200 55889	38.57 0.00 0.00	36.59 -0.07 0.00	36.38 -0.18 0.00	35.67 -0.36 0.00	35.82 -0.44 0.00	41.06 -0.58 0.00	61.24 -1.12 0.00	78.96 -3.12 0.00	69.56 -1.35 0.00	50.81 0.10 0.00	44.84 0.27 0.00	41.83 0.17 0.00	41.04 0.37 0.00	41.70 0.08 0.00	40.74 -0.29 0.00	42.53 -0.17 0.00	49.11 -1.99 0.00	61.86 -2.05 0.00	79.13 -1.78 0.20	70.02 -1.28 0.05	59.44 -1.46 0.00	50.38 -0.05 0.00	46.17 -0.56 0.00	43.62 -0.35 0.00
DUNKIRK___1 23563	38.57 0.00 0.00	36.59 -0.07 0.00	36.38 -0.18 0.00	35.67 -0.36 0.00	35.82 -0.44 0.00	41.06 -0.58 0.00	61.24 -1.12 0.00	78.96 -3.12 0.00	69.56 -1.35 0.00	50.81 0.10 0.00	44.84 0.27 0.00	41.83 0.17 0.00	41.04 0.37 0.00	41.70 0.08 0.00	40.74 -0.29 0.00	42.53 -0.17 0.00	49.11 -1.99 0.00	61.86 -2.05 0.00	79.13 -1.78 0.20	70.02 -1.28 0.05	59.44 -1.46 0.00	50.38 -0.05 0.00	46.17 -0.56 0.00	43.62 -0.35 0.00
DUNKIRK___2 23564	38.57 0.00 0.00	36.59 -0.07 0.00	36.38 -0.18 0.00	35.67 -0.36 0.00	35.82 -0.44 0.00	41.06 -0.58 0.00	61.24 -1.12 0.00	78.96 -3.12 0.00	69.56 -1.35 0.00	50.81 0.10 0.00	44.84 0.27 0.00	41.83 0.17 0.00	41.04 0.37 0.00	41.70 0.08 0.00	40.74 -0.29 0.00	42.53 -0.17 0.00	49.11 -1.99 0.00	61.86 -2.05 0.00	79.13 -1.78 0.20	70.02 -1.28 0.05	59.44 -1.46 0.00	50.38 -0.05 0.00	46.17 -0.56 0.00	43.62 -0.35 0.00
DUNKIRK___3 23565	38.34 -0.23 0.00	36.37 -0.29 0.00	36.16 -0.40 0.00	35.45 -0.58 0.00	35.60 -0.65 0.00	40.81 -0.83 0.00	60.80 -1.56 0.00	78.39 -3.69 0.00	69.06 -1.84 0.00	50.46 -0.25 0.00	44.57 0.00 0.00	41.62 -0.04 0.00	40.79 0.12 0.00	41.49 -0.12 0.00	40.53 -0.49 0.00	42.32 -0.38 0.00	48.96 -2.15 0.00	61.61 -2.30 0.00	78.73 -2.19 0.20	69.59 -1.71 0.05	59.13 -1.77 0.00	50.02 -0.40 0.00	45.89 -0.84 0.00	43.35 -0.62 0.00
DUNKIRK___4 23566	38.34 -0.23 0.00	36.37 -0.29 0.00	36.16 -0.40 0.00	35.45 -0.58 0.00	35.60 -0.65 0.00	40.81 -0.83 0.00	60.80 -1.56 0.00	78.39 -3.69 0.00	69.06 -1.84 0.00	50.46 -0.25 0.00	44.57 0.00 0.00	41.62 -0.04 0.00	40.79 0.12 0.00	41.49 -0.12 0.00	40.53 -0.49 0.00	42.32 -0.38 0.00	48.96 -2.15 0.00	61.61 -2.30 0.00	78.73 -2.19 0.20	69.59 -1.71 0.05	59.13 -1.77 0.00	50.02 -0.40 0.00	45.89 -0.84 0.00	43.35 -0.62 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	40.73 2.16 0.00	38.57 1.91 0.00	38.39 1.83 0.00	37.80 1.77 0.00	38.03 1.78 0.00	43.85 2.21 0.00	65.67 3.31 0.00	87.25 5.17 0.00	75.09 4.18 0.00	53.84 3.14 0.01	47.38 2.81 0.00	44.29 2.62 0.00	43.35 2.68 0.00	44.49 2.87 0.00	43.89 2.87 0.00	45.48 2.78 0.00	54.46 3.37 0.02	67.80 3.90 0.00	86.43 5.35 0.05	75.70 4.35 0.01	63.88 2.98 0.00	52.80 2.37 0.00	49.02 2.29 0.00	46.12 2.15 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	40.54 1.97 0.00	38.42 1.76 0.00	38.24 1.68 0.00	37.69 1.66 0.00	37.92 1.67 0.00	43.68 2.04 0.00	65.48 3.12 0.00	86.84 4.76 0.00	74.66 3.76 0.00	53.35 2.64 0.00	46.89 2.32 0.00	43.79 2.12 0.00	42.87 2.20 0.00	43.95 2.33 0.00	43.36 2.34 0.00	45.05 2.35 0.00	54.03 2.91 -0.01	67.42 3.51 0.00	85.86 4.79 0.05	75.27 3.92 0.01	63.70 2.80 0.00	52.75 2.32 0.00	48.92 2.20 0.00	46.04 2.07 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	41.24 2.66 -0.01	39.06 2.38 -0.01	38.87 2.30 -0.01	38.27 2.23 -0.01	38.51 2.25 -0.01	44.36 2.71 -0.01	66.42 4.05 -0.01	87.91 5.83 -0.01	75.09 4.18 0.00	54.05 3.30 -0.04	47.64 3.08 0.00	44.58 2.92 0.00	43.64 2.97 0.00	44.78 3.16 0.00	44.18 3.16 0.00	45.78 3.07 0.00	54.80 3.63 -0.07	68.00 4.09 0.00	86.67 5.60 0.05	75.77 4.42 0.01	63.76 2.86 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.57 2.59 -0.01



E179THST_13_KV_LOAD 356214	41.40 2.82 -0.01	39.20 2.53 -0.01	38.98 2.41 -0.01	38.38 2.34 -0.01	38.65 2.39 -0.01	44.52 2.87 -0.01	66.67 4.30 -0.01	88.24 6.16 -0.01	75.44 4.54 0.00	54.30 3.55 -0.04	47.87 3.30 0.00	44.74 3.08 0.00	43.80 3.13 0.00	44.98 3.37 0.00	44.38 3.36 0.00	45.99 3.29 0.00	55.06 3.88 -0.07	68.32 4.41 0.00	87.08 6.00 0.05	76.13 4.78 0.01	64.06 3.17 0.00	53.55 3.13 0.00	49.63 2.90 -0.01	46.75 2.77 -0.01
EAST HAMPTON___GT 23717	39.49 0.92 0.00	37.32 0.66 0.00	37.40 0.84 0.00	36.82 0.79 0.00	37.23 0.98 0.00	43.35 1.71 0.00	56.19 2.00 8.17	66.90 3.86 19.04	67.60 3.40 6.71	53.22 3.09 0.59	47.42 2.86 0.00	36.33 2.21 7.54	33.82 2.36 9.21	32.96 2.50 11.15	33.03 2.38 10.38	36.73 2.13 8.11	52.92 2.81 1.00	64.00 2.75 2.65	67.05 3.81 17.88	70.16 3.28 4.48	63.14 2.25 0.02	51.85 1.56 0.14	47.65 0.93 0.02	45.41 1.45 0.00
EAST RIVER___6 23660	40.93 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.87 1.84 0.00	38.14 1.88 0.00	44.02 2.37 0.00	65.98 3.62 0.00	87.67 5.58 -0.01	75.44 4.54 0.00	54.36 3.60 -0.05	47.69 3.12 -0.01	44.67 3.00 -0.01	43.73 3.05 -0.01	44.91 3.29 -0.01	44.27 3.24 -0.01	45.87 3.16 0.00	54.98 3.78 -0.09	68.25 4.35 0.00	86.83 5.76 0.05	76.20 4.85 0.01	64.06 3.16 0.00	53.05 2.62 0.00	49.16 2.43 0.00	46.30 2.33 0.00
EAST RIVER___7 23524	40.93 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.87 1.84 0.00	38.14 1.88 0.00	44.02 2.37 0.00	65.98 3.62 0.00	87.67 5.58 -0.01	75.44 4.54 0.00	54.36 3.60 -0.05	47.69 3.12 -0.01	44.67 3.00 -0.01	43.73 3.05 -0.01	44.91 3.29 -0.01	44.27 3.24 -0.01	45.87 3.16 0.00	54.98 3.78 -0.09	68.25 4.35 0.00	86.83 5.76 0.05	76.20 4.85 0.01	64.06 3.16 0.00	53.05 2.62 0.00	49.16 2.43 0.00	46.30 2.33 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	40.69 2.12 0.00	38.53 1.87 0.00	38.35 1.79 0.00	37.76 1.73 0.00	38.03 1.78 0.00	43.81 2.17 0.00	65.60 3.24 0.00	87.09 5.01 0.00	74.94 4.04 0.00	53.78 3.04 -0.03	47.29 2.72 0.00	44.21 2.54 0.00	43.28 2.60 0.00	44.41 2.79 0.00	43.82 2.79 0.00	45.40 2.69 0.00	54.43 3.27 -0.05	67.68 3.77 0.00	86.27 5.19 0.05	75.55 4.21 0.01	63.76 2.86 0.00	52.75 2.32 0.00	48.92 2.20 0.00	46.04 2.07 0.00
EAST_HAMPTON___DIESEL 23722	39.42 0.85 0.00	37.25 0.58 0.00	37.33 0.77 0.00	36.79 0.76 0.00	37.19 0.94 0.00	43.31 1.67 0.00	56.13 1.94 8.17	66.82 3.78 19.04	67.53 3.33 6.71	53.17 3.04 0.59	47.42 2.86 0.00	36.28 2.17 7.54	33.82 2.36 9.21	32.96 2.50 11.15	32.98 2.34 10.38	36.68 2.09 8.11	52.92 2.81 1.00	63.94 2.68 2.65	66.97 3.73 17.88	70.09 3.21 4.48	63.07 2.19 0.02	51.80 1.51 0.14	47.60 0.89 0.02	45.37 1.41 0.00
EAST_POINT___SOLAR 323840	39.92 1.35 0.00	37.91 1.25 0.00	37.88 1.31 0.00	37.33 1.30 0.00	37.63 1.38 0.00	43.39 1.75 0.00	66.04 3.68 0.00	86.76 4.68 0.00	73.60 2.69 0.00	50.71 0.00 0.00	43.77 -0.80 0.00	40.79 -0.88 0.00	40.14 -0.53 0.00	41.37 -0.25 0.00	41.15 0.12 0.00	43.22 0.51 0.00	52.49 1.38 0.00	66.65 2.75 0.00	85.21 4.13 0.05	74.84 3.50 0.01	63.57 2.68 0.00	52.70 2.27 0.00	48.74 2.01 0.00	45.73 1.76 0.00
EAST_PULASKI___ESR 323781	38.19 -0.39 0.00	36.30 -0.37 0.00	36.20 -0.37 0.00	35.64 -0.40 0.00	35.89 -0.36 0.00	41.19 -0.46 0.00	62.76 -0.37 -0.77	83.97 -0.41 -2.30	73.24 -0.28 -2.62	50.99 -0.41 -0.68	44.19 -0.40 -0.02	41.29 -0.38 0.00	40.30 -0.37 0.00	41.18 -0.50 -0.06	40.49 -0.53 0.00	42.19 -0.51 0.00	50.39 -0.72 0.00	63.14 -0.76 0.00	82.41 -0.73 -2.02	71.01 -0.36 -0.01	60.41 -0.49 0.00	50.18 -0.25 0.00	46.45 -0.28 0.00	43.62 -0.35 0.00
EAST_RIVER___1 323558	40.96 2.39 0.00	38.79 2.13 0.00	38.53 1.97 0.00	37.90 1.87 0.00	38.21 1.96 0.00	44.06 2.41 0.00	66.04 3.68 0.00	87.67 5.58 -0.01	75.44 4.54 0.00	54.31 3.55 -0.05	47.65 3.07 -0.01	44.63 2.96 -0.01	43.68 3.01 -0.01	44.83 3.20 -0.01	44.19 3.16 -0.01	45.79 3.08 0.00	54.88 3.68 -0.09	68.12 4.22 0.00	86.83 5.76 0.05	76.20 4.85 0.01	64.06 3.16 0.00	53.05 2.62 0.00	49.16 2.43 0.00	46.30 2.33 0.00
EAST_RIVER___2 323559	40.93 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.87 1.84 0.00	38.14 1.88 0.00	44.02 2.37 0.00	65.98 3.62 0.00	87.67 5.58 -0.01	75.44 4.54 0.00	54.36 3.60 -0.05	47.69 3.12 -0.01	44.67 3.00 -0.01	43.73 3.05 -0.01	44.91 3.29 -0.01	44.27 3.24 -0.01	45.87 3.16 0.00	54.98 3.78 -0.09	68.25 4.35 0.00	86.83 5.76 0.05	76.20 4.85 0.01	64.06 3.16 0.00	53.05 2.62 0.00	49.16 2.43 0.00	46.30 2.33 0.00
EAST___DELAWARE_HYD 23607	40.85 2.28 0.00	38.75 2.09 0.00	38.61 2.05 0.00	38.01 1.98 0.00	38.25 1.99 0.00	44.10 2.46 0.00	66.29 3.93 0.00	87.74 5.66 0.00	75.44 4.54 0.00	53.70 2.99 0.00	47.07 2.49 0.00	44.00 2.33 0.00	42.99 2.32 0.00	44.07 2.45 0.00	43.40 2.38 0.00	45.22 2.52 0.00	54.28 3.17 -0.01	67.93 4.03 0.00	86.75 5.68 0.05	76.34 4.99 0.01	64.37 3.47 0.00	53.45 3.03 0.00	49.44 2.71 0.00	46.52 2.55 0.00
EIGHT_POINT___WT_PWR 323820	38.26 -0.31 0.00	36.37 -0.29 0.00	36.23 -0.33 0.00	35.78 -0.25 0.00	35.78 -0.47 0.00	41.02 -0.62 0.00	61.49 -0.87 0.00	79.95 -2.13 0.00	69.84 -1.06 0.00	50.51 -0.20 0.00	44.35 -0.22 0.00	41.29 -0.38 0.00	40.43 -0.24 0.00	41.16 -0.46 0.00	40.45 -0.57 0.00	42.45 -0.25 0.00	49.83 -1.28 0.00	63.01 -0.89 0.00	80.60 -0.32 0.19	71.23 -0.07 0.05	60.47 -0.42 0.00	50.73 0.30 0.00	46.77 0.05 0.00	44.01 0.04 0.00
ELBRIDGE_115KV_TB2 80188	38.03 -0.54 0.00	36.15 -0.51 0.00	36.05 -0.51 0.00	35.49 -0.54 0.00	35.71 -0.54 0.00	41.06 -0.58 0.00	62.12 -0.62 -0.38	82.24 -0.98 -1.15	71.50 -0.71 -1.31	50.59 -0.46 -0.34	44.18 -0.40 -0.01	41.25 -0.42 0.00	40.30 -0.37 0.00	41.23 -0.42 -0.03	40.53 -0.49 0.00	42.32 -0.38 0.00	50.44 -0.66 0.00	63.14 -0.77 0.00	81.26 -0.73 -0.87	70.68 -0.64 0.03	60.17 -0.73 0.00	49.92 -0.50 0.00	46.17 -0.56 0.00	43.44 -0.53 0.00
ELEC_TRO_TEK 24086	40.40 1.81 -0.01	38.13 1.47 0.00	37.99 1.43 0.00	37.36 1.33 0.00	37.59 1.34 0.00	43.49 1.83 -0.01	62.76 2.31 1.91	81.58 3.94 4.44	72.38 3.05 1.57	53.11 2.54 0.13	46.93 2.36 0.00	43.95 2.29 0.00	43.11 2.44 0.00	44.36 2.75 0.00	43.77 2.75 0.00	45.18 2.48 0.00	53.75 2.86 0.22	66.29 3.00 0.62	81.05 4.14 4.21	73.58 3.28 1.06	62.96 2.07 0.01	52.00 1.61 0.04	48.31 1.59 0.01	46.01 2.02 -0.02
ELLENBURG_WT_PWR 323604	38.88 0.31 0.00	36.99 0.33 0.00	36.85 0.29 0.00	36.43 0.40 0.00	36.58 0.33 0.00	42.06 0.42 0.00	62.67 0.31 0.00	82.33 0.25 0.00	71.26 0.36 0.00	51.22 0.51 0.00	45.19 0.62 0.00	42.08 0.42 0.00	40.99 0.32 0.00	41.91 0.29 0.00	41.31 0.29 0.00	43.01 0.30 0.00	51.26 0.15 0.00	64.10 0.19 0.00	81.04 -0.08 0.00	71.50 0.14 0.00	61.44 0.55 0.00	50.78 0.36 0.00	47.29 0.56 0.00	44.41 0.44 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	37.96 -0.62 0.00	36.04 -0.62 0.00	35.83 -0.73 0.00	35.13 -0.90 0.00	35.27 -0.98 0.00	40.35 -1.29 0.00	59.80 -2.56 0.00	76.99 -5.09 0.00	68.07 -2.84 0.00	49.95 -0.76 0.00	44.17 -0.40 0.00	41.25 -0.42 0.00	40.55 -0.12 0.00	41.16 -0.46 0.00	40.24 -0.78 0.00	42.02 -0.68 0.00	48.50 -2.61 0.00	60.84 -3.07 0.00	77.59 -3.33 0.20	68.59 -2.71 0.05	58.28 -2.62 0.00	49.47 -0.96 0.00	45.33 -1.40 0.00	42.92 -1.06 0.00
EMPIRE_CC_1 323656	38.96 0.39 0.00	37.11 0.44 0.00	36.96 0.40 0.00	36.39 0.36 0.00	36.69 0.44 0.00	42.14 0.50 0.00	62.74 0.38 0.00	82.49 0.41 0.00	70.76 -0.14 0.00	50.41 -0.30 0.00	44.13 -0.45 0.00	41.33 -0.33 0.00	40.26 -0.41 0.00	41.37 -0.25 0.00	40.90 -0.12 0.00	42.62 -0.09 0.00	51.51 0.41 0.00	64.55 0.64 0.00	81.73 0.65 0.04	71.56 0.21 0.01	61.27 0.37 0.00	50.33 -0.10 0.00	46.73 0.00 0.00	44.15 0.18 0.00
EMPIRE_CC_2 323658	38.96 0.39 0.00	37.11 0.44 0.00	36.96 0.40 0.00	36.39 0.36 0.00	36.69 0.44 0.00	42.14 0.50 0.00	62.74 0.38 0.00	82.49 0.41 0.00	70.76 -0.14 0.00	50.41 -0.30 0.00	44.13 -0.45 0.00	41.33 -0.33 0.00	40.26 -0.41 0.00	41.37 -0.25 0.00	40.90 -0.12 0.00	42.62 -0.09 0.00	51.51 0.41 0.00	64.55 0.64 0.00	81.73 0.65 0.04	71.56 0.21 0.01	61.27 0.37 0.00	50.33 -0.10 0.00	46.73 0.00 0.00	44.15 0.18 0.00
ENORWICH_115KV_TB1 80156	40.62 2.04 0.00	38.79 2.13 0.00	38.68 2.12 0.00	37.87 1.84 0.00	38.32 2.07 0.00	43.97 2.33 0.00	66.85 4.49 0.00	88.15 6.07 0.00	76.22 5.32 0.00	53.70 2.99 0.00	47.07 2.50 0.00	43.87 2.21 0.00	42.66 1.99 0.00	43.36 1.75 0.00	42.54 1.52 0.00	44.71 2.01 0.00	53.71 2.61 0.00	67.68 3.77 0.16	86.39 5.44 0.04	76.81 5.49 0.04	64.98 4.08 0.00	54.06 3.63 0.00	49.81 3.08 0.00	46.65 2.68 0.00
ERIE_ST__34_KV_TB1-2 80199	37.88 -0.69 0.00	35.97 -0.70 0.00	35.72 -0.84 0.00	35.02 -1.01 0.00	35.17 -1.09 0.00	40.31 -1.33 0.00	60.12 -2.24 0.00	77.65 -4.43 0.00	68.42 -2.48 0.00	50.10 -0.61 0.00	44.26 -0.31 0.00	41.33 -0.33 0.00	40.55 -0.12 0.00	41.28 -0.33 0.00	40.33 -0.70 0.00	42.11 -0.60 0.00	48.65 -2.45 0.00	61.16 -2.75 0.00	78.16 -2.76 0.20	69.02 -2.28 0.05	58.58 -2.31 0.00	49.62 -0.81 0.00	45.47 -1.26 0.00	42.87 -1.10 0.00
ERIE_WT_PWR 323693	38.07 -0.50 0.00	36.15 -0.51 0.00	35.90 -0.66 0.00	35.49 -0.54 0.00	35.38 -0.87 0.00	40.48 -1.17 0.00	60.18 -2.18 0.00	77.57 -4.51 0.00	68.42 -2.48 0.00	50.15 -0.56 0.00	44.35 -0.22 0.00	41.41 -0.25 0.00	40.67 0.00 0.00	41.33 -0.29 0.00	40.69 -0.33 0.00	42.19 -0.51 0.00	48.91 -2.20 0.00	61.41 -2.49 0.00	78.08 -2.84 0.20	69.02 -2.29 0.05	58.65 -2.25 0.00	49.67 -0.76 0.00	45.84 -0.89 0.00	43.04 -0.93 0.00
ESPRGFLD_115KV_TB1 80157	39.42 0.85 0.00	37.47 0.81 0.00	37.40 0.84 0.00	36.79 0.76 0.00	37.12 0.87 0.00	42.68 1.04 0.00	64.73 2.37 0.00	85.28 3.20 0.00	73.31 2.41 0.00	51.52 0.81 0.00	45.06 0.49 0.00	42.04 0.37 0.00	41.08 0.41 0.00	42.03 0.42 0.00	41.43 0.41 0.00	43.39 0.68 0.00	52.13 1.02 0.00	65.57 1.66 0.00	83.65 2.60 0.07	73.69 2.35 0.02	62.54 1.64 0.00	51.99 1.56 0.00	48.04 1.31 0.00	45.07 1.10 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	39.04 0.46 0.00	37.10 0.44 0.00	37.00 0.44 0.00	36.36 0.32 0.00	36.62 0.36 0.00	42.14 0.50 0.00	63.48 1.12 0.00	83.39 1.31 0.00	72.18 1.28 0.00	51.52 0.81 0.00	45.19 0.62 0.00	42.16 0.50 0.00	41.16 0.49 0.00	42.07 0.46 0.00	41.35 0.33 0.00	43.30 0.60 0.00	51.62 0.51 0.00	64.80 0.89 0.00	82.55 1.62 0.19	72.88 1.57 0.05	61.93 1.04 0.00	51.44 1.01 0.00	47.48 0.75 0.00	44.63 0.66 0.00
ETNA____115KV_TB2 80207	39.04 0.46 0.00	37.10 0.44 0.00	37.00 0.44 0.00	36.36 0.32 0.00	36.62 0.36 0.00	42.14 0.50 0.00	63.48 1.12 0.00	83.39 1.31 0.00	72.18 1.28 0.00	51.52 0.81 0.00	45.19 0.62 0.00	42.16 0.50 0.00	41.16 0.49 0.00	42.07 0.46 0.00	41.35 0.33 0.00	43.30 0.60 0.00	51.62 0.51 0.00	64.80 0.89 0.00	82.55 1.62 0.19	72.88 1.57 0.05	61.93 1.04 0.00	51.44 1.01 0.00	47.48 0.75 0.00	44.63 0.66 0.00
EUCLID____115KV_TB2 356179	37.88 -0.69 0.00	35.97 -0.70 0.00	35.90 -0.66 0.00	35.31 -0.72 0.00	35.56 -0.69 0.00	40.85 -0.79 0.00	61.54 -1.00 -0.18	81.14 -1.48 -0.54	70.46 -1.06 -0.62	50.16 -0.71 -0.16	43.95 -0.62 0.00	41.08 -0.58 0.00	40.14 -0.53 0.00	41.05 -0.58 -0.01	40.37 -0.66 0.00	42.11 -0.60 0.00	50.19 -0.92 0.00	62.82 -1.09 0.00	80.19 -1.22 -0.29	70.24 -1.07 0.05	59.86 -1.04 0.00	49.67 -0.76 0.00	45.89 -0.84 0.00	43.18 -0.79 0.00
E_CANADA_CAP_HY 24051	39.27 0.70 0.00	37.33 0.66 0.00	37.29 0.73 0.00	36.75 0.72 0.00	37.02 0.76 0.00	42.68 1.04 0.00	64.79 2.43 0.00	85.20 3.12 0.00	72.74 1.84 0.00	50.56 -0.15 0.00	43.95 -0.62 0.00	40.95 -0.71 0.00	40.06 -0.61 0.00	41.16 -0.46 0.00	40.74 -0.29 0.00	42.71 0.00 0.00	51.67 0.56 0.00	65.44 1.53 0.00	83.59 2.52 0.05	73.41 2.07 0.01	62.36 1.46 0.00	51.79 1.36 0.00	47.94 1.21 0.00	44.98 1.01 0.00
E_CANADA_MHWK_HY 24050	40.27 1.70 0.00	38.32 1.65 0.00	38.21 1.65 0.00	37.61 1.58 0.00	37.89 1.63 0.00	43.43 1.79 0.00	65.23 2.87 0.00	85.86 3.78 0.00	74.17 3.26 0.00	52.84 2.13 0.00	46.53 1.96 0.00	43.49 1.83 0.00	42.38 1.71 0.00	43.32 1.71 0.00	42.67 1.64 0.00	44.42 1.71 0.00	53.20 2.10 0.00	66.53 2.62 0.00	84.53 3.41 0.00	74.49 3.14 0.00	63.40 2.50 0.00	52.70 2.27 0.00	48.88 2.15 0.00	45.99 2.02 0.00
E_FISHKILL__LBMP 23776	40.23 1.66 0.00	38.13 1.47 0.00	37.95 1.39 0.00	37.40 1.37 0.00	37.63 1.38 0.00	43.35 1.71 0.00	64.85 2.49 0.00	86.02 3.94 0.00	74.02 3.12 0.00	53.04 2.33 0.01	46.62 2.05 0.00	43.58 1.92 0.00	42.62 1.95 0.00	43.74 2.12 0.00	43.16 2.13 0.00	44.80 2.09 0.00	53.65 2.56 0.01	66.85 2.94 0.00	85.05 3.97 0.04	74.56 3.21 0.01	63.15 2.25 0.00	52.29 1.87 0.00	48.50 1.78 0.00	45.69 1.71 0.00
FALCON__SEABRD_CC1 323796	39.04 0.46 0.00	37.14 0.48 0.00	36.96 0.40 0.00	36.57 0.54 0.00	36.72 0.47 0.00	42.23 0.58 0.00	62.55 0.19 0.00	82.16 0.08 0.00	71.19 0.28 0.00	51.22 0.51 0.00	45.42 0.84 0.00	42.33 0.66 0.00	41.20 0.53 0.00	42.12 0.50 0.00	41.52 0.49 0.00	43.22 0.51 0.00	51.21 0.10 0.00	64.10 0.19 0.00	80.88 -0.24 0.00	71.36 0.00 0.00	61.44 0.55 0.00	50.78 0.36 0.00	47.52 0.79 0.00	44.59 0.62 0.00
FALCON__SEABRD_CC2 323797	39.04 0.46 0.00	37.14 0.48 0.00	36.96 0.40 0.00	36.57 0.54 0.00	36.72 0.47 0.00	42.23 0.58 0.00	62.55 0.19 0.00	82.16 0.08 0.00	71.19 0.28 0.00	51.22 0.51 0.00	45.42 0.84 0.00	42.33 0.66 0.00	41.20 0.53 0.00	42.12 0.50 0.00	41.52 0.49 0.00	43.22 0.51 0.00	51.21 0.10 0.00	64.10 0.19 0.00	80.88 -0.24 0.00	71.36 0.00 0.00	61.44 0.55 0.00	50.78 0.36 0.00	47.52 0.79 0.00	44.59 0.62 0.00



FAR ROCKAWAY___4 23548	40.89 2.28 -0.04	38.57 1.91 0.00	38.43 1.86 0.00	37.80 1.77 0.00	38.03 1.78 0.00	44.01 2.33 -0.04	64.54 2.99 0.81	85.04 4.84 1.89	74.06 3.83 0.67	53.76 3.09 0.05	47.46 2.90 0.00	44.41 2.75 0.00	43.59 2.93 0.00	44.82 3.20 0.00	44.26 3.24 0.00	45.73 3.03 0.00	54.51 3.48 0.08	67.54 3.90 0.27	84.66 5.35 1.82	75.32 4.42 0.46	63.87 2.98 0.01	52.73 2.32 0.02	48.92 2.20 0.01	46.62 2.59 -0.05
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	40.96 2.39 0.00	38.79 2.13 0.00	38.54 1.97 0.00	37.94 1.91 0.00	38.21 1.96 0.00	44.06 2.42 0.00	66.04 3.68 0.00	87.83 5.75 -0.01	75.44 4.54 0.00	54.26 3.50 -0.05	47.70 3.12 -0.01	44.59 2.92 -0.01	43.64 2.97 -0.01	44.83 3.20 -0.01	44.23 3.20 -0.01	45.83 3.12 -0.01	54.93 3.73 -0.09	68.19 4.28 0.00	86.83 5.76 0.05	76.05 4.71 0.01	64.13 3.23 0.00	53.05 2.62 0.00	49.25 2.52 0.00	46.30 2.33 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	40.96 2.39 0.00	38.79 2.13 0.00	38.57 2.01 0.00	37.98 1.95 0.00	38.21 1.96 0.00	44.10 2.46 0.00	66.04 3.68 0.00	87.83 5.75 -0.01	75.44 4.54 0.00	54.26 3.50 -0.05	47.70 3.12 -0.01	44.59 2.92 -0.01	43.64 2.97 -0.01	44.83 3.20 -0.01	44.23 3.20 -0.01	45.83 3.12 -0.01	54.93 3.73 -0.09	68.19 4.28 0.00	86.83 5.76 0.05	76.05 4.71 0.01	64.13 3.23 0.00	53.10 2.67 0.00	49.30 2.57 0.00	46.34 2.37 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	40.96 2.39 0.00	38.79 2.13 0.00	38.54 1.97 0.00	37.94 1.91 0.00	38.21 1.96 0.00	44.06 2.42 0.00	65.98 3.62 0.00	87.75 5.66 -0.01	75.44 4.54 0.00	54.26 3.50 -0.05	47.65 3.08 -0.01	44.59 2.92 -0.01	43.64 2.97 -0.01	44.78 3.16 -0.01	44.19 3.16 -0.01	45.79 3.07 -0.01	54.93 3.73 -0.09	68.19 4.28 0.00	86.83 5.76 0.05	75.98 4.64 0.01	64.06 3.17 0.00	53.05 2.62 0.00	49.25 2.52 0.00	46.30 2.33 0.00
FARRAGUT___LBMP 323566	40.93 2.35 0.00	38.75 2.09 0.00	38.54 1.97 0.00	37.94 1.91 0.00	38.18 1.92 0.00	44.06 2.42 0.00	65.98 3.62 0.00	87.67 5.58 -0.01	75.37 4.47 0.00	54.21 3.45 -0.05	47.61 3.03 -0.01	44.54 2.87 -0.01	43.60 2.93 -0.01	44.74 3.12 -0.01	44.19 3.16 -0.01	45.74 3.03 -0.01	54.88 3.68 -0.09	68.12 4.22 0.00	86.75 5.68 0.05	75.91 4.57 0.01	64.00 3.11 0.00	53.00 2.57 0.00	49.20 2.48 0.00	46.26 2.29 0.00
FENNER___WINDPWR 24204	39.07 0.50 0.00	37.18 0.51 0.00	37.07 0.51 0.00	36.50 0.47 0.00	36.76 0.51 0.00	42.35 0.71 0.00	63.85 1.49 0.00	84.13 2.05 0.00	72.68 1.77 0.00	51.67 0.96 0.00	45.42 0.84 0.00	42.41 0.75 0.00	41.40 0.73 0.00	42.28 0.66 0.00	41.60 0.57 0.00	43.43 0.73 0.00	51.98 0.87 0.00	65.06 1.15 0.00	82.76 1.78 0.14	73.17 1.85 0.04	62.18 1.28 0.00	51.59 1.16 0.00	47.71 0.98 0.00	44.80 0.83 0.00
FIBERTEK___ENERGY 23856	38.19 -0.39 0.00	36.30 -0.37 0.00	36.23 -0.33 0.00	35.63 -0.40 0.00	35.89 -0.36 0.00	41.27 -0.37 0.00	62.42 -0.31 -0.38	82.63 -0.57 -1.12	71.90 -0.28 -1.28	50.89 -0.15 -0.33	44.45 -0.13 -0.01	41.50 -0.17 0.00	40.55 -0.12 0.00	41.48 -0.17 -0.03	40.74 -0.29 0.00	42.53 -0.17 0.00	50.70 -0.41 0.00	63.46 -0.45 0.00	81.64 -0.32 -0.85	71.04 -0.29 0.03	60.53 -0.37 0.00	50.18 -0.25 0.00	46.40 -0.33 0.00	43.66 -0.31 0.00
FITZPATRICK___ 23598	37.34 -1.24 0.00	35.49 -1.17 0.00	35.39 -1.17 0.00	34.88 -1.15 0.00	35.09 -1.16 0.00	40.31 -1.33 0.00	57.00 -1.93 3.43	69.30 -2.55 10.24	57.10 -2.13 11.68	46.20 -1.47 3.04	43.20 -1.29 0.08	40.45 -1.21 0.00	39.49 -1.18 0.00	40.10 -1.25 0.27	39.79 -1.23 0.00	41.47 -1.24 0.00	49.52 -1.58 0.00	61.92 -1.98 0.00	69.89 -2.43 8.80	69.22 -2.14 0.00	59.01 -1.89 0.00	48.92 -1.51 0.00	45.28 -1.45 0.00	42.61 -1.36 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	40.62 2.04 0.00	38.53 1.87 0.00	38.35 1.79 0.00	37.80 1.77 0.00	38.03 1.78 0.00	43.81 2.17 0.00	65.73 3.37 0.00	87.09 5.01 0.00	74.94 4.04 0.00	53.45 2.74 0.00	46.93 2.36 0.00	43.87 2.21 0.00	42.91 2.24 0.00	43.99 2.37 0.00	43.44 2.42 0.00	45.14 2.43 0.00	54.12 3.02 0.00	67.61 3.71 0.00	86.19 5.11 0.05	75.55 4.21 0.01	63.94 3.04 0.00	53.00 2.57 0.00	49.11 2.38 0.00	46.21 2.24 0.00
FORT ORANGE___ 23900	38.88 0.31 0.00	37.11 0.44 0.00	36.89 0.33 0.00	36.35 0.32 0.00	38.07 1.81 0.00	43.85 2.21 0.00	66.23 3.87 0.00	86.92 4.84 0.00	74.17 3.26 0.00	51.93 1.22 0.00	45.15 0.58 0.00	42.08 0.42 0.00	41.08 0.41 0.00	42.07 0.46 0.00	41.64 0.62 0.00	43.64 0.94 0.00	51.47 0.36 0.00	64.55 0.64 0.00	81.98 0.89 0.04	71.78 0.43 0.01	61.33 0.43 0.00	50.53 0.10 0.00	46.87 0.14 0.00	44.24 0.27 0.00
FORT_DRUM_COGEN 23780	39.50 0.93 0.00	37.65 0.99 0.00	37.48 0.91 0.00	36.82 0.79 0.00	37.23 0.98 0.00	42.52 0.87 0.00	64.90 2.18 -0.36	86.36 3.20 -1.08	74.76 2.62 -1.23	51.99 0.96 -0.32	45.34 0.76 -0.01	42.41 0.75 0.00	41.36 0.69 0.00	42.10 0.46 -0.03	41.35 0.33 0.00	43.00 0.30 0.00	51.52 0.41 0.00	64.80 0.89 0.00	83.75 1.70 -0.93	73.93 2.57 0.00	62.79 1.89 0.00	52.29 1.87 0.00	48.41 1.68 0.00	45.20 1.23 0.00
FOX_HILLS___ESR 323835	41.09 2.51 -0.01	38.91 2.24 -0.01	38.69 2.12 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.23 2.58 -0.01	65.91 3.55 0.00	87.50 5.42 -0.01	75.01 4.11 0.00	54.17 3.40 -0.06	47.88 3.30 -0.01	44.76 3.08 -0.01	43.81 3.13 -0.01	44.92 3.29 -0.01	44.32 3.28 -0.01	45.96 3.25 -0.01	55.09 3.88 -0.10	68.12 4.22 0.00	86.83 5.76 0.05	75.91 4.57 0.01	63.88 2.98 0.00	53.30 2.87 0.00	49.45 2.71 -0.01	46.48 2.51 -0.01
FPL_FAR_ROCK_GT1 24212	40.89 2.28 -0.04	38.57 1.91 0.00	38.43 1.86 0.00	37.76 1.73 0.00	38.00 1.74 0.00	44.05 2.37 -0.04	64.54 2.99 0.81	84.95 4.76 1.89	74.06 3.83 0.67	53.76 3.09 0.05	47.42 2.86 0.00	44.41 2.75 0.00	43.60 2.93 0.00	44.82 3.20 0.00	44.13 3.12 0.00	45.69 2.99 0.00	54.35 3.32 0.08	67.41 3.77 0.27	84.57 5.27 1.82	75.40 4.50 0.46	63.87 2.98 0.01	52.78 2.37 0.02	48.83 2.10 0.01	46.31 2.29 -0.05
FPL_FAR_ROCK_GT2 23815	40.89 2.28 -0.04	38.57 1.91 0.00	38.43 1.86 0.00	37.76 1.73 0.00	38.00 1.74 0.00	44.05 2.37 -0.04	64.54 2.99 0.81	84.95 4.76 1.89	74.06 3.83 0.67	53.76 3.09 0.05	47.42 2.86 0.00	44.41 2.75 0.00	43.60 2.93 0.00	44.82 3.20 0.00	44.13 3.12 0.00	45.69 2.99 0.00	54.35 3.32 0.08	67.41 3.77 0.27	84.57 5.27 1.82	75.40 4.50 0.46	63.87 2.98 0.01	52.78 2.37 0.02	48.83 2.10 0.01	46.31 2.29 -0.05
FRANKLIN_FALL_HYD 24054	39.46 0.89 0.00	37.51 0.84 0.00	37.33 0.77 0.00	36.93 0.90 0.00	37.05 0.80 0.00	42.64 1.00 0.00	63.54 1.18 0.00	83.39 1.31 0.00	72.32 1.42 0.00	52.08 1.37 0.00	45.91 1.34 0.00	45.54 3.87 0.00	44.00 3.33 0.00	44.99 3.37 0.00	44.18 3.16 0.00	43.52 0.81 0.00	51.77 0.66 0.00	64.74 0.83 0.00	81.69 0.57 0.00	72.78 1.43 0.00	62.54 1.64 0.00	51.69 1.26 0.00	48.18 1.45 0.00	45.16 1.19 0.00



FREEPORT_EQUS_GT1 23764	40.59 2.00 -0.01	38.28 1.61 0.00	38.13 1.57 0.00	37.43 1.40 0.00	37.74 1.49 0.00	43.65 2.00 -0.01	60.39 2.37 4.34	75.84 3.86 10.10	70.39 3.05 3.56	52.93 2.53 0.31	46.93 2.36 0.00	43.95 2.29 0.00	43.15 2.48 0.00	44.40 2.79 0.00	43.73 2.71 0.00	45.26 2.56 0.00	53.28 2.71 0.53	65.50 3.00 1.41	75.91 4.30 9.51	72.54 3.57 2.38	63.14 2.25 0.01	52.16 1.81 0.08	48.35 1.63 0.01	45.83 1.85 -0.02
FREEPORT___CT2 23818	40.59 2.00 -0.01	38.28 1.61 0.00	38.13 1.57 0.00	37.43 1.40 0.00	37.74 1.49 0.00	43.65 2.00 -0.01	60.39 2.37 4.34	75.84 3.86 10.10	70.39 3.05 3.56	52.93 2.53 0.31	46.93 2.36 0.00	43.95 2.29 0.00	43.15 2.48 0.00	44.40 2.79 0.00	43.73 2.71 0.00	45.26 2.56 0.00	53.28 2.71 0.53	65.50 3.00 1.41	75.91 4.30 9.51	72.54 3.57 2.38	63.14 2.25 0.01	52.16 1.81 0.08	48.35 1.63 0.01	45.83 1.85 -0.02
FRESHKLS_33_KV_LOAD 356253	41.16 2.58 -0.01	38.98 2.31 -0.01	38.76 2.19 -0.01	38.20 2.16 -0.01	38.44 2.18 -0.01	44.36 2.71 -0.01	65.91 3.55 0.00	87.50 5.42 -0.01	75.01 4.11 0.00	54.17 3.40 -0.06	47.97 3.39 -0.01	44.84 3.17 -0.01	43.90 3.21 -0.01	45.00 3.37 -0.01	44.40 3.36 -0.01	46.05 3.33 -0.01	55.14 3.94 -0.10	68.12 4.22 0.00	86.91 5.84 0.05	75.98 4.64 0.01	63.94 3.04 0.00	53.40 2.98 0.00	49.59 2.85 -0.01	46.57 2.59 -0.01
FULTON COGEN____ 23766	37.80 -0.77 0.00	35.93 -0.73 0.00	35.83 -0.73 0.00	35.27 -0.76 0.00	35.49 -0.76 0.00	40.81 -0.83 0.00	62.22 -1.06 -0.92	83.35 -1.48 -2.75	72.90 -1.13 -3.14	50.71 -0.81 -0.82	43.88 -0.71 -0.02	41.00 -0.67 0.00	40.02 -0.65 0.00	40.98 -0.71 -0.07	40.28 -0.74 0.00	42.02 -0.68 0.00	50.14 -0.97 0.00	62.76 -1.15 0.00	82.26 -1.30 -2.44	70.24 -1.14 -0.02	59.80 -1.10 0.00	49.62 -0.81 0.00	45.89 -0.84 0.00	43.13 -0.84 0.00
FULTON___LFGE 323630	39.77 1.20 0.00	37.80 1.14 0.00	37.73 1.17 0.00	37.18 1.15 0.00	37.45 1.19 0.00	43.18 1.54 0.00	65.54 3.18 0.00	86.18 4.10 0.00	73.53 2.62 0.00	51.07 0.36 0.00	44.30 -0.27 0.00	41.25 -0.42 0.00	40.30 -0.37 0.00	41.41 -0.21 0.00	41.06 0.04 0.00	43.13 0.43 0.00	52.33 1.22 0.00	66.47 2.56 0.00	84.81 3.73 0.04	74.34 3.00 0.01	63.21 2.31 0.00	52.39 1.96 0.00	48.50 1.78 0.00	45.51 1.54 0.00
G.F.CEMENT___DRP 24184	39.69 1.12 0.00	37.73 1.06 0.00	37.66 1.10 0.00	37.18 1.15 0.00	37.41 1.16 0.00	43.06 1.42 0.00	64.85 2.49 0.00	85.20 3.12 0.00	73.31 2.41 0.00	51.57 0.86 0.00	45.11 0.53 0.00	42.08 0.42 0.00	41.04 0.37 0.00	42.07 0.46 0.00	41.64 0.62 0.00	43.43 0.73 0.00	52.64 1.53 0.00	66.40 2.49 0.00	84.33 3.24 0.03	73.70 2.35 0.01	62.97 2.07 0.00	51.79 1.36 0.00	48.08 1.36 0.00	45.29 1.32 0.00
GARDENVILLE___LBMP 24039	37.96 -0.62 0.00	36.04 -0.62 0.00	35.83 -0.73 0.00	35.13 -0.90 0.00	35.27 -0.98 0.00	40.35 -1.29 0.00	59.93 -2.43 0.00	77.24 -4.84 0.00	68.14 -2.77 0.00	49.95 -0.76 0.00	44.12 -0.45 0.00	41.21 -0.46 0.00	40.47 -0.20 0.00	41.12 -0.50 0.00	40.20 -0.82 0.00	42.02 -0.68 0.00	48.55 -2.56 0.00	60.97 -2.94 0.00	77.84 -3.08 0.20	68.81 -2.50 0.05	58.46 -2.44 0.00	49.57 -0.86 0.00	45.47 -1.26 0.00	43.00 -0.97 0.00
GARDNVLA_35_KV_LD 355827	38.19 -0.39 0.00	36.22 -0.44 0.00	36.01 -0.55 0.00	35.31 -0.72 0.00	35.46 -0.80 0.00	40.60 -1.04 0.00	60.36 -2.00 0.00	77.81 -4.27 0.00	68.70 -2.20 0.00	50.36 -0.35 0.00	44.53 -0.04 0.00	41.58 -0.08 0.00	40.83 0.16 0.00	41.53 -0.08 0.00	40.57 -0.45 0.00	42.36 -0.34 0.00	48.91 -2.20 0.00	61.41 -2.49 0.00	78.40 -2.51 0.20	69.23 -2.07 0.05	58.83 -2.07 0.00	49.87 -0.55 0.00	45.70 -1.03 0.00	43.18 -0.79 0.00
GELCKHM___115KV_LOAD 80723	37.99 -0.58 0.00	36.11 -0.55 0.00	36.01 -0.55 0.00	35.45 -0.58 0.00	35.67 -0.58 0.00	41.02 -0.62 0.00	61.88 -0.75 -0.27	81.81 -1.07 -0.79	71.03 -0.78 -0.91	50.44 -0.51 -0.24	44.13 -0.45 -0.01	41.25 -0.42 0.00	40.30 -0.37 0.00	41.22 -0.42 -0.02	40.53 -0.49 0.00	42.28 -0.43 0.00	50.39 -0.72 0.00	63.08 -0.83 0.00	80.76 -0.89 -0.53	70.53 -0.78 0.04	60.11 -0.79 0.00	49.87 -0.55 0.00	46.07 -0.65 0.00	43.35 -0.62 0.00
GENERAL___MILLS 23808	38.07 -0.50 0.00	36.11 -0.55 0.00	35.90 -0.66 0.00	35.20 -0.83 0.00	35.35 -0.91 0.00	40.48 -1.17 0.00	60.12 -2.24 0.00	77.48 -4.60 0.00	68.42 -2.48 0.00	50.15 -0.56 0.00	44.30 -0.27 0.00	41.41 -0.25 0.00	40.63 -0.04 0.00	41.32 -0.29 0.00	40.41 -0.62 0.00	42.19 -0.51 0.00	48.71 -2.40 0.00	61.09 -2.81 0.00	78.00 -2.92 0.20	68.95 -2.35 0.05	58.58 -2.31 0.00	49.67 -0.76 0.00	45.51 -1.21 0.00	43.05 -0.92 0.00
GE_PLASTICS___DRP 24183	38.88 0.31 0.00	37.07 0.40 0.00	36.89 0.33 0.00	36.39 0.36 0.00	36.62 0.36 0.00	42.06 0.42 0.00	62.80 0.44 0.00	82.82 0.74 0.00	71.19 0.28 0.00	50.71 0.00 0.00	44.53 -0.04 0.00	41.66 0.00 0.00	40.71 0.04 0.00	41.70 0.08 0.00	41.23 0.21 0.00	42.88 0.17 0.00	51.57 0.46 0.00	64.55 0.64 0.00	81.81 0.73 0.04	71.70 0.36 0.01	61.26 0.37 0.00	50.53 0.10 0.00	46.91 0.19 0.00	44.23 0.26 0.00
GILBOA___1 23756	39.34 0.77 0.00	37.36 0.69 0.00	37.36 0.80 0.00	36.79 0.76 0.00	37.05 0.80 0.00	42.43 0.79 0.00	63.54 1.18 0.00	83.81 1.73 0.00	72.25 1.34 0.00	51.62 0.91 0.00	45.33 0.76 0.00	42.37 0.71 0.00	41.40 0.73 0.00	42.45 0.83 0.00	41.84 0.82 0.00	43.56 0.85 0.00	52.23 1.12 0.00	64.99 1.09 0.00	82.53 1.46 0.05	72.48 1.14 0.01	61.81 0.91 0.00	51.23 0.80 0.00	47.47 0.75 0.00	44.72 0.75 0.00
GILBOA___2 23757	39.34 0.77 0.00	37.36 0.69 0.00	37.36 0.80 0.00	36.79 0.76 0.00	37.05 0.80 0.00	42.43 0.79 0.00	63.54 1.18 0.00	83.81 1.73 0.00	72.25 1.34 0.00	51.62 0.91 0.00	45.33 0.76 0.00	42.37 0.71 0.00	41.40 0.73 0.00	42.45 0.83 0.00	41.84 0.82 0.00	43.56 0.85 0.00	52.23 1.12 0.00	64.99 1.09 0.00	82.53 1.46 0.05	72.48 1.14 0.01	61.81 0.91 0.00	51.23 0.80 0.00	47.47 0.75 0.00	44.72 0.75 0.00
GILBOA___3 23758	39.34 0.77 0.00	37.36 0.69 0.00	37.36 0.80 0.00	36.79 0.76 0.00	37.05 0.80 0.00	42.43 0.79 0.00	63.54 1.18 0.00	83.81 1.73 0.00	72.25 1.34 0.00	51.62 0.91 0.00	45.33 0.76 0.00	42.37 0.71 0.00	41.40 0.73 0.00	42.45 0.83 0.00	41.84 0.82 0.00	43.56 0.85 0.00	52.23 1.12 0.00	64.99 1.09 0.00	82.53 1.46 0.05	72.48 1.14 0.01	61.81 0.91 0.00	51.23 0.80 0.00	47.47 0.75 0.00	44.72 0.75 0.00
GILBOA___4 23759	39.34 0.77 0.00	37.36 0.69 0.00	37.36 0.80 0.00	36.79 0.76 0.00	37.05 0.80 0.00	42.43 0.79 0.00	63.54 1.18 0.00	83.81 1.73 0.00	72.25 1.34 0.00	51.62 0.91 0.00	45.33 0.76 0.00	42.37 0.71 0.00	41.40 0.73 0.00	42.45 0.83 0.00	41.84 0.82 0.00	43.56 0.85 0.00	52.23 1.12 0.00	64.99 1.09 0.00	82.53 1.46 0.05	72.48 1.14 0.01	61.81 0.91 0.00	51.23 0.80 0.00	47.47 0.75 0.00	44.72 0.75 0.00



GILBOA____ 23599	39.34 0.77 0.00	37.36 0.70 0.00	37.37 0.80 0.00	36.82 0.79 0.00	37.05 0.80 0.00	42.43 0.79 0.00	63.54 1.18 0.00	83.89 1.81 0.00	72.25 1.35 0.00	51.62 0.91 0.00	45.33 0.76 0.00	42.37 0.71 0.00	41.40 0.73 0.00	42.45 0.83 0.00	41.88 0.86 0.00	43.56 0.85 0.00	52.23 1.12 0.00	64.99 1.09 0.00	82.53 1.46 0.05	72.41 1.07 0.01	61.81 0.91 0.00	51.23 0.81 0.00	47.52 0.79 0.00	44.72 0.75 0.00
GINNA____ 23603	36.38 -2.20 0.00	34.54 -2.13 0.00	34.51 -2.05 0.00	34.05 -1.98 0.00	34.15 -2.10 0.00	39.15 -2.50 0.00	58.81 -3.55 0.00	76.91 -5.17 0.00	67.14 -3.76 0.00	48.23 -2.48 0.00	42.61 -1.96 0.00	39.71 -1.96 0.00	38.96 -1.71 0.00	39.62 -2.00 0.00	39.05 -1.97 0.00	40.48 -2.22 0.00	48.04 -3.07 0.00	60.14 -3.77 0.00	76.05 -4.87 0.20	67.24 -4.06 0.05	57.25 -3.65 0.00	47.91 -2.52 0.00	44.16 -2.57 0.00	41.42 -2.55 0.00
GLEN PARK____ 23778	39.65 1.08 0.00	37.84 1.17 0.00	37.66 1.10 0.00	37.00 0.97 0.00	37.41 1.16 0.00	42.68 1.04 0.00	65.24 2.50 -0.38	86.83 3.61 -1.14	75.11 2.91 -1.30	52.12 1.07 -0.34	45.38 0.80 -0.01	42.45 0.79 0.00	41.40 0.73 0.00	42.15 0.50 -0.03	41.35 0.33 0.00	43.05 0.34 0.00	51.67 0.56 0.00	65.06 1.15 0.00	84.13 2.03 -0.98	74.28 2.93 0.00	63.09 2.19 0.00	52.55 2.12 0.00	48.60 1.87 0.00	45.38 1.41 0.00
GLENDALE_27_KV_LOAD 356172	41.24 2.66 -0.01	39.06 2.38 -0.01	38.80 2.23 -0.01	38.20 2.16 -0.01	38.47 2.21 -0.01	44.36 2.71 -0.01	66.35 3.99 0.00	88.16 6.07 -0.01	75.72 4.82 0.00	54.52 3.75 -0.06	48.02 3.43 -0.01	44.88 3.21 -0.01	43.94 3.25 -0.01	45.12 3.50 -0.01	44.52 3.49 -0.01	46.13 3.42 -0.01	55.24 4.04 -0.10	68.51 4.60 0.00	87.24 6.17 0.05	76.27 4.92 0.01	64.25 3.35 0.00	53.45 3.03 0.00	49.63 2.90 -0.01	46.66 2.68 -0.01
GLENWOOD_IC_1_G5 23712	40.70 2.12 -0.01	38.46 1.80 0.00	38.28 1.72 0.00	37.65 1.62 0.00	37.92 1.67 0.00	43.81 2.17 -0.01	62.70 2.99 2.66	80.65 4.76 6.19	72.55 3.83 2.18	53.49 2.99 0.21	47.28 2.72 0.00	44.24 2.58 0.00	43.39 2.72 0.00	44.57 2.95 0.00	43.97 2.95 0.00	45.52 2.82 0.00	54.02 3.27 0.35	66.69 3.64 0.86	80.31 5.03 5.84	73.96 4.07 1.46	63.57 2.68 0.01	52.55 2.17 0.05	48.78 2.06 0.01	46.22 2.24 -0.01
GLENWOOD_IC_2_G1 23688	40.62 2.04 0.00	38.42 1.76 0.00	38.24 1.68 0.00	37.61 1.58 0.00	37.89 1.63 0.00	43.72 2.08 0.00	65.27 2.93 0.02	86.61 4.59 0.06	74.64 3.76 0.02	53.60 2.94 0.05	47.20 2.63 0.00	44.16 2.50 0.00	43.27 2.61 0.00	44.44 2.83 0.00	43.77 2.75 0.00	45.39 2.69 0.00	54.15 3.12 0.08	67.41 3.51 0.01	85.89 4.87 0.10	75.40 4.07 0.03	63.52 2.62 0.00	52.55 2.12 0.00	48.69 1.96 0.00	45.95 1.98 0.00
GLENWOOD_IC_3_G1 23689	40.62 2.04 0.00	38.42 1.76 0.00	38.24 1.68 0.00	37.61 1.58 0.00	37.89 1.63 0.00	43.72 2.08 0.00	65.27 2.93 0.02	86.61 4.59 0.06	74.64 3.76 0.02	53.60 2.94 0.05	47.20 2.63 0.00	44.16 2.50 0.00	43.27 2.61 0.00	44.44 2.83 0.00	43.77 2.75 0.00	45.39 2.69 0.00	54.15 3.12 0.08	67.41 3.51 0.01	85.89 4.87 0.10	75.40 4.07 0.03	63.52 2.62 0.00	52.55 2.12 0.00	48.69 1.96 0.00	45.95 1.98 0.00
GLENWOOD____4 23550	40.70 2.12 -0.01	38.46 1.80 0.00	38.28 1.72 0.00	37.65 1.62 0.00	37.92 1.67 0.00	43.81 2.17 -0.01	62.70 2.99 2.66	80.65 4.76 6.19	72.55 3.83 2.18	53.49 2.99 0.21	47.28 2.72 0.00	44.24 2.58 0.00	43.39 2.72 0.00	44.57 2.95 0.00	43.97 2.95 0.00	45.52 2.82 0.00	54.02 3.27 0.35	66.69 3.64 0.86	80.31 5.03 5.84	73.96 4.07 1.46	63.57 2.68 0.01	52.55 2.17 0.05	48.78 2.06 0.01	46.22 2.24 -0.01
GLENWOOD____5 23614	40.70 2.12 -0.01	38.46 1.80 0.00	38.28 1.72 0.00	37.65 1.62 0.00	37.92 1.67 0.00	43.81 2.17 -0.01	62.70 2.99 2.66	80.65 4.76 6.19	72.55 3.83 2.18	53.49 2.99 0.21	47.28 2.72 0.00	44.24 2.58 0.00	43.39 2.72 0.00	44.57 2.95 0.00	43.97 2.95 0.00	45.52 2.82 0.00	54.02 3.27 0.35	66.69 3.64 0.86	80.31 5.03 5.84	73.96 4.07 1.46	63.57 2.68 0.01	52.55 2.17 0.05	48.78 2.06 0.01	46.22 2.24 -0.01
GLOBAL GREEN_PORT_GT1 23814	39.77 1.20 0.00	37.54 0.88 0.00	37.55 0.99 0.00	36.96 0.94 0.00	37.34 1.09 0.00	43.39 1.75 0.00	56.31 2.12 8.17	66.98 3.94 19.04	67.67 3.47 6.71	53.22 3.09 0.59	47.42 2.86 0.00	36.33 2.21 7.54	33.86 2.40 9.21	33.05 2.58 11.15	33.11 2.46 10.37	36.81 2.22 8.11	53.02 2.91 1.00	64.14 2.88 2.65	67.21 3.97 17.88	70.30 3.42 4.48	63.26 2.37 0.02	51.95 1.66 0.14	47.74 1.03 0.02	45.50 1.54 0.00
GLOBE____DSASP 323697	37.53 -1.04 0.00	35.60 -1.06 0.00	35.43 -1.13 0.00	34.73 -1.30 0.00	34.95 -1.31 0.00	39.69 -1.96 0.00	58.18 -4.18 0.00	74.69 -7.39 0.00	66.22 -4.68 0.00	48.78 -1.93 0.00	43.23 -1.34 0.00	40.37 -1.29 0.00	39.73 -0.94 0.00	40.28 -1.33 0.00	39.42 -1.60 0.00	41.17 -1.54 0.00	47.38 -3.73 0.00	59.18 -4.73 0.00	75.40 -5.52 0.20	66.74 -4.57 0.05	56.76 -4.14 0.00	48.31 -2.12 0.00	44.30 -2.43 0.00	42.17 -1.80 0.00
GOETHSLN____LBMP 323567	40.85 2.28 0.00	38.68 2.02 0.00	38.43 1.86 0.00	37.83 1.80 0.00	38.07 1.81 0.00	43.93 2.29 0.00	65.79 3.43 0.00	87.50 5.42 -0.01	75.16 4.25 0.00	54.06 3.30 -0.05	47.52 2.94 -0.01	44.46 2.79 -0.01	43.48 2.81 -0.01	44.66 3.04 -0.01	44.06 3.04 -0.01	45.66 2.95 -0.01	54.72 3.53 -0.09	67.93 4.03 0.00	86.51 5.44 0.05	75.70 4.35 0.01	63.82 2.92 0.00	52.85 2.42 0.00	49.11 2.38 0.00	46.17 2.20 0.00
GOLAH____69_KV_TB 1_2 80279	38.46 -0.12 0.00	36.48 -0.18 0.00	36.41 -0.15 0.00	35.74 -0.29 0.00	35.96 -0.29 0.00	41.18 -0.46 0.00	61.61 -0.75 0.00	80.03 -2.05 0.00	70.12 -0.78 0.00	50.66 -0.05 0.00	44.70 0.13 0.00	41.71 0.04 0.00	40.87 0.20 0.00	41.57 -0.04 0.00	40.78 -0.25 0.00	42.41 -0.30 0.00	49.83 -1.28 0.00	62.37 -1.53 0.00	79.29 -1.62 0.21	70.16 -1.14 0.05	59.74 -1.16 0.00	50.23 -0.20 0.00	46.21 -0.51 0.00	43.57 -0.40 0.00
GOODYEAR_LAKE_HYD 323669	39.65 1.08 0.00	37.69 1.03 0.00	37.62 1.06 0.00	37.00 0.97 0.00	37.30 1.05 0.00	42.85 1.21 0.00	64.67 2.31 0.00	85.28 3.20 0.00	73.60 2.69 0.00	52.28 1.57 0.00	45.91 1.34 0.00	42.87 1.21 0.00	41.85 1.18 0.00	42.78 1.17 0.00	42.13 1.11 0.00	43.99 1.28 0.00	52.69 1.58 0.00	65.89 1.98 0.00	83.79 2.76 0.09	73.90 2.57 0.02	62.72 1.83 0.00	52.09 1.66 0.00	48.18 1.45 0.00	45.25 1.28 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	38.80 0.23 0.00	36.88 0.22 0.00	36.78 0.22 0.00	36.18 0.14 0.00	36.40 0.15 0.00	41.81 0.17 0.00	62.80 0.44 0.00	82.33 0.25 0.00	71.40 0.50 0.00	51.27 0.56 0.00	45.06 0.49 0.00	42.08 0.42 0.00	41.12 0.45 0.00	42.03 0.42 0.00	41.31 0.29 0.00	43.13 0.43 0.00	51.16 0.05 0.00	64.16 0.26 0.00	81.67 0.73 0.18	71.95 0.64 0.05	61.20 0.30 0.00	50.93 0.50 0.00	46.96 0.23 0.00	44.28 0.31 0.00



GOUDEY___7 23579	38.80 0.23 0.00	36.88 0.22 0.00	36.78 0.22 0.00	36.18 0.14 0.00	36.40 0.15 0.00	41.81 0.17 0.00	62.80 0.44 0.00	82.33 0.25 0.00	71.40 0.50 0.00	51.27 0.56 0.00	45.06 0.49 0.00	42.08 0.42 0.00	41.12 0.45 0.00	42.03 0.42 0.00	41.31 0.29 0.00	43.13 0.43 0.00	51.16 0.05 0.00	64.16 0.26 0.00	81.67 0.73 0.18	71.95 0.64 0.05	61.20 0.30 0.00	50.93 0.50 0.00	46.96 0.23 0.00	44.28 0.31 0.00
GOUDEY___8 23580	38.80 0.23 0.00	36.88 0.22 0.00	36.78 0.22 0.00	36.18 0.14 0.00	36.40 0.15 0.00	41.81 0.17 0.00	62.80 0.44 0.00	82.33 0.25 0.00	71.40 0.50 0.00	51.27 0.56 0.00	45.06 0.49 0.00	42.08 0.42 0.00	41.12 0.45 0.00	42.03 0.42 0.00	41.31 0.29 0.00	43.13 0.43 0.00	51.16 0.05 0.00	64.16 0.26 0.00	81.67 0.73 0.18	71.95 0.64 0.05	61.20 0.30 0.00	50.93 0.50 0.00	46.96 0.23 0.00	44.28 0.31 0.00
GOWANUS_GT1_1 24077	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.10 3.74 0.00	87.75 5.66 -0.01	75.30 4.40 0.00	54.32 3.55 -0.06	47.93 3.34 -0.01	44.80 3.12 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.40 3.36 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.32 4.41 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.06 3.17 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01
GOWANUS_GT1_2 24078	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.10 3.74 0.00	87.75 5.66 -0.01	75.30 4.40 0.00	54.32 3.55 -0.06	47.93 3.34 -0.01	44.80 3.12 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.40 3.36 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.32 4.41 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.06 3.17 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01
GOWANUS_GT1_3 24079	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.10 3.74 0.00	87.75 5.66 -0.01	75.30 4.40 0.00	54.32 3.55 -0.06	47.93 3.34 -0.01	44.80 3.12 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.40 3.36 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.32 4.41 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.06 3.17 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01
GOWANUS_GT1_4 24080	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.10 3.74 0.00	87.75 5.66 -0.01	75.30 4.40 0.00	54.32 3.55 -0.06	47.93 3.34 -0.01	44.80 3.12 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.40 3.36 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.32 4.41 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.06 3.17 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01
GOWANUS_GT1_5 24084	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.10 3.74 0.00	87.75 5.66 -0.01	75.30 4.40 0.00	54.32 3.55 -0.06	47.93 3.34 -0.01	44.80 3.12 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.40 3.36 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.32 4.41 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.06 3.17 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01
GOWANUS_GT1_6 24111	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.10 3.74 0.00	87.75 5.66 -0.01	75.30 4.40 0.00	54.32 3.55 -0.06	47.93 3.34 -0.01	44.80 3.12 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.40 3.36 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.32 4.41 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.06 3.17 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01
GOWANUS_GT1_7 24112	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.10 3.74 0.00	87.75 5.66 -0.01	75.30 4.40 0.00	54.32 3.55 -0.06	47.93 3.34 -0.01	44.80 3.12 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.40 3.36 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.32 4.41 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.06 3.17 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01
GOWANUS_GT1_8 24113	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.10 3.74 0.00	87.75 5.66 -0.01	75.30 4.40 0.00	54.32 3.55 -0.06	47.93 3.34 -0.01	44.80 3.12 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.40 3.36 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.32 4.41 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.06 3.17 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01
GOWANUS_GT2_1 24114	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.04 3.68 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.76 3.08 -0.01	43.82 3.13 -0.01	44.96 3.33 -0.01	44.32 3.28 -0.01	45.96 3.24 -0.01	54.99 3.78 -0.10	68.19 4.28 0.00	86.99 5.92 0.05	76.20 4.85 0.01	64.00 3.10 0.00	53.35 2.92 0.00	49.40 2.66 -0.01	46.53 2.55 -0.01
GOWANUS_GT2_2 24115	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.04 3.68 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.76 3.08 -0.01	43.82 3.13 -0.01	44.96 3.33 -0.01	44.32 3.28 -0.01	45.96 3.24 -0.01	54.99 3.78 -0.10	68.19 4.28 0.00	86.99 5.92 0.05	76.20 4.85 0.01	64.00 3.10 0.00	53.35 2.92 0.00	49.40 2.66 -0.01	46.53 2.55 -0.01
GOWANUS_GT2_3 24116	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.04 3.68 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.76 3.08 -0.01	43.82 3.13 -0.01	44.96 3.33 -0.01	44.32 3.28 -0.01	45.96 3.24 -0.01	54.99 3.78 -0.10	68.19 4.28 0.00	86.99 5.92 0.05	76.20 4.85 0.01	64.00 3.10 0.00	53.35 2.92 0.00	49.40 2.66 -0.01	46.53 2.55 -0.01
GOWANUS_GT2_4 24117	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.04 3.68 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.76 3.08 -0.01	43.82 3.13 -0.01	44.96 3.33 -0.01	44.32 3.28 -0.01	45.96 3.24 -0.01	54.99 3.78 -0.10	68.19 4.28 0.00	86.99 5.92 0.05	76.20 4.85 0.01	64.00 3.10 0.00	53.35 2.92 0.00	49.40 2.66 -0.01	46.53 2.55 -0.01
GOWANUS_GT2_5 24118	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.04 3.68 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.76 3.08 -0.01	43.82 3.13 -0.01	44.96 3.33 -0.01	44.32 3.28 -0.01	45.96 3.24 -0.01	54.99 3.78 -0.10	68.19 4.28 0.00	86.99 5.92 0.05	76.20 4.85 0.01	64.00 3.10 0.00	53.35 2.92 0.00	49.40 2.66 -0.01	46.53 2.55 -0.01



GOWANUS_GT2_6 24119	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.04 3.68 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.76 3.08 -0.01	43.82 3.13 -0.01	44.96 3.33 -0.01	44.32 3.28 -0.01	45.96 3.24 -0.01	54.99 3.78 -0.10	68.19 4.28 0.00	86.99 5.92 0.05	76.20 4.85 0.01	64.00 3.10 0.00	53.35 2.92 0.00	49.40 2.66 -0.01	46.53 2.55 -0.01
GOWANUS_GT2_7 24120	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.04 3.68 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.76 3.08 -0.01	43.82 3.13 -0.01	44.96 3.33 -0.01	44.32 3.28 -0.01	45.96 3.24 -0.01	54.99 3.78 -0.10	68.19 4.28 0.00	86.99 5.92 0.05	76.20 4.85 0.01	64.00 3.10 0.00	53.35 2.92 0.00	49.40 2.66 -0.01	46.53 2.55 -0.01
GOWANUS_GT2_8 24121	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.04 3.68 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.76 3.08 -0.01	43.82 3.13 -0.01	44.96 3.33 -0.01	44.32 3.28 -0.01	45.96 3.24 -0.01	54.99 3.78 -0.10	68.19 4.28 0.00	86.99 5.92 0.05	76.20 4.85 0.01	64.00 3.10 0.00	53.35 2.92 0.00	49.40 2.66 -0.01	46.53 2.55 -0.01
GOWANUS_GT3_1 24122	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
GOWANUS_GT3_2 24123	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
GOWANUS_GT3_3 24124	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
GOWANUS_GT3_4 24125	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
GOWANUS_GT3_5 24126	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
GOWANUS_GT3_6 24127	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
GOWANUS_GT3_7 24128	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
GOWANUS_GT3_8 24129	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
GOWANUS_GT4_1 24130	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.04 3.68 0.00	87.75 5.66 -0.01	75.23 4.33 0.00	54.27 3.50 -0.06	47.88 3.30 -0.01	44.76 3.08 -0.01	43.81 3.13 -0.01	44.96 3.33 -0.01	44.36 3.32 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.25 4.35 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.00 3.11 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01
GOWANUS_GT4_2 24131	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.04 3.68 0.00	87.75 5.66 -0.01	75.23 4.33 0.00	54.27 3.50 -0.06	47.88 3.30 -0.01	44.76 3.08 -0.01	43.81 3.13 -0.01	44.96 3.33 -0.01	44.36 3.32 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.25 4.35 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.00 3.11 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01
GOWANUS_GT4_3 24132	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.04 3.68 0.00	87.75 5.66 -0.01	75.23 4.33 0.00	54.27 3.50 -0.06	47.88 3.30 -0.01	44.76 3.08 -0.01	43.81 3.13 -0.01	44.96 3.33 -0.01	44.36 3.32 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.25 4.35 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.00 3.11 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01
GOWANUS_GT4_4 24133	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.04 3.68 0.00	87.75 5.66 -0.01	75.23 4.33 0.00	54.27 3.50 -0.06	47.88 3.30 -0.01	44.76 3.08 -0.01	43.81 3.13 -0.01	44.96 3.33 -0.01	44.36 3.32 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.25 4.35 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.00 3.11 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01



GOWANUS_GT4_5 24134	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.04 3.68 0.00	87.75 5.66 -0.01	75.23 4.33 0.00	54.27 3.50 -0.06	47.88 3.30 -0.01	44.76 3.08 -0.01	43.81 3.13 -0.01	44.96 3.33 -0.01	44.36 3.32 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.25 4.35 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.00 3.11 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01
GOWANUS_GT4_6 24135	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.04 3.68 0.00	87.75 5.66 -0.01	75.23 4.33 0.00	54.27 3.50 -0.06	47.88 3.30 -0.01	44.76 3.08 -0.01	43.81 3.13 -0.01	44.96 3.33 -0.01	44.36 3.32 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.25 4.35 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.00 3.11 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01
GOWANUS_GT4_7 24136	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.04 3.68 0.00	87.75 5.66 -0.01	75.23 4.33 0.00	54.27 3.50 -0.06	47.88 3.30 -0.01	44.76 3.08 -0.01	43.81 3.13 -0.01	44.96 3.33 -0.01	44.36 3.32 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.25 4.35 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.00 3.11 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01
GOWANUS_GT4_8 24137	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.04 3.68 0.00	87.75 5.66 -0.01	75.23 4.33 0.00	54.27 3.50 -0.06	47.88 3.30 -0.01	44.76 3.08 -0.01	43.81 3.13 -0.01	44.96 3.33 -0.01	44.36 3.32 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.25 4.35 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.00 3.11 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01
GREATVR_69_KV_BK1 356245	40.77 2.20 0.00	38.42 1.76 0.00	38.28 1.72 0.00	37.62 1.59 0.00	37.89 1.63 0.00	43.89 2.25 0.00	56.29 1.68 7.76	67.12 3.12 18.08	66.87 2.34 6.37	52.13 1.98 0.56	47.20 2.63 0.00	40.66 2.42 3.42	39.13 2.64 4.18	39.47 2.91 5.06	39.35 3.04 4.71	41.84 2.82 3.68	52.56 2.40 0.95	63.82 2.43 2.51	67.63 3.49 16.98	69.82 2.71 4.25	63.32 2.44 0.01	52.16 1.87 0.13	48.49 1.78 0.01	46.39 2.42 0.00
GREENBSH_115KV_TB3 55895	38.69 0.12 0.00	36.92 0.26 0.00	36.74 0.18 0.00	36.21 0.18 0.00	36.43 0.18 0.00	41.85 0.21 0.00	62.36 0.00 0.00	82.16 0.08 0.00	70.69 -0.21 0.00	50.30 -0.41 0.00	44.17 -0.40 0.00	41.37 -0.29 0.00	40.43 -0.24 0.00	41.41 -0.21 0.00	40.98 -0.04 0.00	42.58 -0.13 0.00	51.31 0.20 0.00	64.29 0.38 0.00	81.49 0.41 0.03	71.28 -0.07 0.01	60.96 0.06 0.00	50.23 -0.20 0.00	46.63 -0.09 0.00	44.01 0.04 0.00
GREENDGE_115KV_TB5 80291	38.69 0.12 0.00	36.74 0.07 0.00	36.67 0.11 0.00	36.00 -0.04 0.00	36.25 0.00 0.00	41.68 0.04 0.00	62.42 0.06 0.00	81.26 -0.82 0.00	70.97 0.07 0.00	50.96 0.25 0.00	45.02 0.45 0.00	42.00 0.33 0.00	41.08 0.41 0.00	41.91 0.29 0.00	41.06 0.04 0.00	43.05 0.34 0.00	50.60 -0.51 0.00	63.65 -0.26 0.00	80.77 -0.16 0.19	71.74 0.43 0.05	60.90 0.00 0.00	50.73 0.30 0.00	47.01 0.28 0.00	44.28 0.31 0.00
GREENIDGE___3 23582	38.69 0.12 0.00	36.74 0.07 0.00	36.67 0.11 0.00	36.00 -0.04 0.00	36.25 0.00 0.00	41.68 0.04 0.00	62.42 0.06 0.00	81.26 -0.82 0.00	70.97 0.07 0.00	50.96 0.25 0.00	45.02 0.45 0.00	42.00 0.33 0.00	41.08 0.41 0.00	41.91 0.29 0.00	41.06 0.04 0.00	43.05 0.34 0.00	50.60 -0.51 0.00	63.65 -0.26 0.00	80.77 -0.16 0.19	71.74 0.43 0.05	60.90 0.00 0.00	50.73 0.30 0.00	47.01 0.28 0.00	44.28 0.31 0.00
GREENIDGE___4 23583	38.69 0.12 0.00	36.74 0.07 0.00	36.67 0.11 0.00	36.14 0.11 0.00	36.25 0.00 0.00	41.68 0.04 0.00	62.42 0.06 0.00	81.42 -0.66 0.00	70.97 0.07 0.00	50.96 0.25 0.00	45.06 0.49 0.00	42.00 0.33 0.00	41.08 0.41 0.00	41.91 0.29 0.00	41.19 0.16 0.00	43.09 0.38 0.00	50.70 -0.41 0.00	63.78 -0.13 0.00	80.77 -0.16 0.19	71.74 0.43 0.05	60.90 0.00 0.00	50.73 0.30 0.00	46.92 0.19 0.00	44.28 0.31 0.00
GREENLWN_69_KV_BK 3 55738	40.07 1.50 0.00	37.80 1.14 0.00	37.66 1.10 0.00	37.04 1.01 0.00	37.27 1.02 0.00	43.14 1.50 0.00	55.77 1.31 7.90	66.21 2.54 18.42	66.26 1.84 6.49	51.87 1.72 0.57	46.39 1.83 0.00	44.46 1.87 -0.92	43.87 2.07 -1.13	45.31 2.33 -1.37	44.71 2.42 -1.27	45.75 2.05 -0.99	52.19 2.04 0.97	63.26 1.92 2.56	66.58 2.76 17.30	69.10 2.07 4.33	61.86 0.97 0.01	51.00 0.71 0.14	47.46 0.75 0.01	45.55 1.58 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.10 3.74 0.00	87.75 5.66 -0.01	75.30 4.40 0.00	54.32 3.55 -0.06	47.93 3.34 -0.01	44.80 3.12 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.40 3.36 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.32 4.41 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.06 3.17 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01
GRISSOM___SOLAR 323813	39.81 1.23 0.00	37.84 1.17 0.00	37.77 1.20 0.00	37.22 1.19 0.00	37.49 1.23 0.00	43.22 1.58 0.00	65.48 3.12 0.00	86.02 3.94 0.00	73.45 2.55 0.00	51.07 0.36 0.00	44.30 -0.27 0.00	41.21 -0.46 0.00	40.30 -0.37 0.00	41.41 -0.21 0.00	41.11 0.08 0.00	43.13 0.43 0.00	52.39 1.28 0.00	66.47 2.56 0.00	84.73 3.65 0.04	74.34 3.00 0.01	63.21 2.31 0.00	52.34 1.92 0.00	48.46 1.73 0.00	45.51 1.54 0.00
GROVEVILLE___HYD 323602	40.62 2.04 0.00	38.53 1.87 0.00	38.35 1.79 0.00	37.80 1.77 0.00	38.03 1.78 0.00	43.81 2.17 0.00	65.73 3.37 0.00	87.09 5.01 0.00	74.94 4.04 0.00	53.45 2.74 0.00	46.93 2.36 0.00	43.87 2.21 0.00	42.91 2.24 0.00	43.99 2.37 0.00	43.44 2.42 0.00	45.14 2.43 0.00	54.12 3.02 0.00	67.61 3.71 0.00	86.19 5.11 0.05	75.55 4.21 0.01	63.94 3.04 0.00	53.00 2.57 0.00	49.11 2.38 0.00	46.21 2.24 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	38.19 -0.39 0.00	36.30 -0.37 0.00	36.23 -0.33 0.00	35.63 -0.40 0.00	35.89 -0.36 0.00	41.27 -0.37 0.00	62.42 -0.31 -0.38	82.63 -0.57 -1.12	71.90 -0.28 -1.28	50.89 -0.15 -0.33	44.45 -0.13 -0.01	41.50 -0.17 0.00	40.55 -0.12 0.00	41.48 -0.17 -0.03	40.74 -0.29 0.00	42.53 -0.17 0.00	50.70 -0.41 0.00	63.46 -0.45 0.00	81.64 -0.32 -0.85	71.04 -0.29 0.03	60.53 -0.37 0.00	50.18 -0.25 0.00	46.40 -0.33 0.00	43.66 -0.31 0.00
HAMLTNNY_34_KV_TB 80303	38.26 -0.31 0.00	36.37 -0.29 0.00	36.31 -0.26 0.00	35.71 -0.32 0.00	35.93 -0.33 0.00	41.31 -0.33 0.00	62.54 -0.19 -0.37	82.77 -0.41 -1.10	72.02 -0.14 -1.25	50.93 -0.10 -0.33	44.53 -0.04 -0.01	41.58 -0.08 0.00	40.63 -0.04 0.00	41.56 -0.08 -0.03	40.82 -0.21 0.00	42.62 -0.09 0.00	50.75 -0.36 0.00	63.52 -0.38 0.00	81.78 -0.16 -0.83	71.18 -0.14 0.03	60.59 -0.30 0.00	50.28 -0.15 0.00	46.45 -0.28 0.00	43.71 -0.26 0.00



HAMPSHIRE___PAPER_HYD 323593	39.34 0.77 0.00	37.44 0.77 0.00	37.25 0.69 0.00	36.71 0.68 0.00	37.02 0.76 0.00	42.39 0.75 0.00	64.00 1.49 -0.15	84.33 1.80 -0.44	72.90 1.49 -0.51	51.55 0.71 -0.13	45.24 0.67 0.00	42.62 0.96 0.00	41.61 0.94 0.00	42.46 0.83 -0.01	41.76 0.74 0.00	42.96 0.26 0.00	51.06 -0.05 0.00	63.91 0.00 0.00	81.58 0.08 -0.38	72.28 0.93 0.00	62.18 1.28 0.00	51.79 1.36 0.00	48.18 1.45 0.00	45.11 1.14 0.00
HARDSCRABBLE_WT_PWR 323673	39.88 1.31 0.00	37.95 1.28 0.00	37.84 1.28 0.00	37.26 1.23 0.00	37.56 1.30 0.00	43.06 1.42 0.00	64.60 2.24 0.00	85.12 3.04 0.00	73.53 2.62 0.00	52.44 1.73 0.00	46.13 1.56 0.00	43.12 1.46 0.00	42.01 1.34 0.00	42.91 1.29 0.00	42.25 1.23 0.00	44.03 1.33 0.00	52.74 1.64 0.00	65.95 2.04 0.00	83.79 2.67 0.00	73.78 2.43 0.00	62.85 1.95 0.00	52.24 1.81 0.00	48.41 1.68 0.00	45.60 1.63 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	40.66 2.08 0.00	38.53 1.87 0.00	38.35 1.79 0.00	37.80 1.77 0.00	38.03 1.78 0.00	43.85 2.21 0.00	65.73 3.37 0.00	87.25 5.17 0.00	75.01 4.11 0.00	53.62 2.89 -0.02	47.11 2.54 0.00	44.04 2.37 0.00	43.07 2.40 0.00	44.16 2.54 0.00	43.61 2.58 0.00	45.27 2.56 0.00	54.25 3.12 -0.03	67.74 3.83 0.00	86.34 5.27 0.05	75.70 4.35 0.01	63.94 3.04 0.00	52.95 2.52 0.00	49.06 2.34 0.00	46.17 2.20 0.00
HARSNRAD_115KV_TB1 81005	37.69 -0.89 0.00	35.75 -0.92 0.00	35.57 -0.99 0.00	34.88 -1.15 0.00	35.02 -1.23 0.00	40.06 -1.58 0.00	59.18 -3.18 0.00	76.09 -5.99 0.00	67.43 -3.47 0.00	49.49 -1.22 0.00	43.81 -0.76 0.00	40.91 -0.75 0.00	40.22 -0.45 0.00	40.83 -0.79 0.00	39.92 -1.11 0.00	41.68 -1.02 0.00	48.09 -3.02 0.00	60.20 -3.71 0.00	76.70 -4.22 0.20	67.88 -3.43 0.05	57.73 -3.17 0.00	49.07 -1.36 0.00	44.95 -1.78 0.00	42.61 -1.36 0.00
HARZA MOOSE___RIVER 24016	39.15 0.58 0.00	37.25 0.59 0.00	37.11 0.55 0.00	36.50 0.47 0.00	36.83 0.58 0.00	42.27 0.62 0.00	63.95 1.50 -0.10	84.66 2.30 -0.28	73.14 1.91 -0.32	51.61 0.81 -0.08	45.24 0.67 0.00	42.37 0.71 0.00	41.32 0.65 0.00	42.16 0.54 -0.01	41.52 0.49 0.00	43.17 0.47 0.00	51.72 0.61 0.00	64.86 0.96 0.00	82.78 1.46 -0.20	73.27 1.93 0.01	62.36 1.46 0.00	51.84 1.41 0.00	47.94 1.21 0.00	44.94 0.97 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	37.96 -0.62 0.00	36.08 -0.59 0.00	36.01 -0.55 0.00	35.42 -0.61 0.00	35.67 -0.58 0.00	40.98 -0.67 0.00	61.55 -0.81 0.00	80.93 -1.15 0.00	70.12 -0.78 0.00	50.20 -0.51 0.00	44.12 -0.45 0.00	41.25 -0.42 0.00	40.26 -0.41 0.00	41.20 -0.42 0.00	40.53 -0.49 0.00	42.28 -0.43 0.00	50.39 -0.72 0.00	63.01 -0.89 0.00	80.00 -0.89 0.23	70.51 -0.78 0.06	60.11 -0.79 0.00	49.82 -0.61 0.00	46.07 -0.65 0.00	43.35 -0.62 0.00
HELLGATE_13_KV_LD 55870	41.32 2.74 -0.01	39.13 2.46 -0.01	38.91 2.34 -0.01	38.31 2.27 -0.01	38.55 2.28 -0.01	44.44 2.79 -0.01	66.48 4.12 0.00	88.24 6.16 -0.01	75.72 4.82 0.00	54.52 3.75 -0.06	48.06 3.48 -0.01	44.93 3.25 -0.01	43.98 3.29 -0.01	45.17 3.54 -0.01	44.56 3.53 -0.01	46.13 3.42 -0.01	55.24 4.04 -0.10	68.51 4.60 0.00	87.24 6.17 0.05	76.27 4.92 0.01	64.25 3.35 0.00	53.50 3.08 0.00	49.68 2.94 -0.01	46.70 2.73 -0.01
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	41.32 2.74 -0.01	39.13 2.46 -0.01	38.91 2.34 -0.01	38.31 2.27 -0.01	38.55 2.28 -0.01	44.44 2.79 -0.01	66.48 4.12 0.00	88.24 6.16 -0.01	75.72 4.82 0.00	54.52 3.75 -0.06	48.06 3.48 -0.01	44.93 3.25 -0.01	43.98 3.29 -0.01	45.17 3.54 -0.01	44.56 3.53 -0.01	46.13 3.42 -0.01	55.24 4.04 -0.10	68.51 4.60 0.00	87.24 6.17 0.05	76.27 4.92 0.01	64.25 3.35 0.00	53.50 3.08 0.00	49.68 2.94 -0.01	46.70 2.73 -0.01
HEMPSTEAD____ 23647	40.39 1.81 -0.01	38.13 1.47 0.00	37.95 1.39 0.00	37.29 1.26 0.00	37.56 1.30 0.00	43.48 1.83 -0.01	60.64 2.24 3.96	76.54 3.70 9.24	70.56 2.91 3.26	52.85 2.43 0.29	46.79 2.23 0.00	43.82 2.17 0.00	43.02 2.36 0.00	44.23 2.62 0.00	43.56 2.54 0.00	45.09 2.39 0.00	53.22 2.61 0.49	65.43 2.81 1.29	76.40 3.97 8.70	72.53 3.35 2.18	62.90 2.01 0.01	51.92 1.56 0.07	48.17 1.45 0.01	45.61 1.63 -0.01
HICKLING___1 23621	38.77 0.19 0.00	36.85 0.18 0.00	36.71 0.15 0.00	36.03 0.00 0.00	36.25 0.00 0.00	41.64 0.00 0.00	62.61 0.25 0.00	81.51 -0.57 0.00	71.12 0.21 0.00	51.32 0.61 0.00	45.15 0.58 0.00	42.12 0.46 0.00	41.20 0.53 0.00	42.03 0.42 0.00	41.19 0.16 0.00	43.17 0.47 0.00	50.70 -0.41 0.00	63.78 -0.13 0.00	81.42 0.49 0.19	71.88 0.57 0.05	60.96 0.06 0.00	50.93 0.50 0.00	46.87 0.14 0.00	44.28 0.31 0.00
HICKLING___2 23622	38.77 0.19 0.00	36.85 0.18 0.00	36.71 0.15 0.00	36.03 0.00 0.00	36.25 0.00 0.00	41.64 0.00 0.00	62.61 0.25 0.00	81.51 -0.57 0.00	71.12 0.21 0.00	51.32 0.61 0.00	45.15 0.58 0.00	42.12 0.46 0.00	41.20 0.53 0.00	42.03 0.42 0.00	41.19 0.16 0.00	43.17 0.47 0.00	50.70 -0.41 0.00	63.78 -0.13 0.00	81.42 0.49 0.19	71.88 0.57 0.05	60.96 0.06 0.00	50.93 0.50 0.00	46.87 0.14 0.00	44.28 0.31 0.00
HIGH FALLS___HY 23754	41.00 2.43 0.00	38.83 2.16 0.00	38.68 2.12 0.00	38.08 2.05 0.00	38.32 2.07 0.00	44.18 2.54 0.00	66.41 4.05 0.00	88.07 5.99 0.00	75.65 4.75 0.00	53.96 3.25 0.00	47.33 2.76 0.00	44.21 2.54 0.00	43.23 2.56 0.00	44.32 2.71 0.00	43.73 2.71 0.00	45.48 2.78 0.00	54.59 3.48 0.00	68.19 4.28 0.00	87.08 6.00 0.05	76.48 5.14 0.01	64.55 3.65 0.00	53.60 3.18 0.00	49.63 2.90 0.00	46.65 2.68 0.00
HIGH_RIVER___SOLAR 323847	39.65 1.08 0.00	37.69 1.03 0.00	37.62 1.06 0.00	37.08 1.05 0.00	37.34 1.09 0.00	43.01 1.37 0.00	65.04 2.68 0.00	85.45 3.37 0.00	72.82 1.92 0.00	50.76 0.05 0.00	44.21 -0.36 0.00	41.25 -0.42 0.00	40.26 -0.41 0.00	41.33 -0.29 0.00	40.90 -0.12 0.00	42.83 0.13 0.00	52.08 0.97 0.00	66.01 2.11 0.00	84.33 3.25 0.04	73.99 2.64 0.01	62.97 2.07 0.00	52.09 1.66 0.00	48.22 1.49 0.00	45.33 1.36 0.00
HILLBURN___GT 23639	40.69 2.12 0.00	38.57 1.91 0.00	38.35 1.79 0.00	37.76 1.73 0.00	38.03 1.78 0.00	43.85 2.21 0.00	65.73 3.37 0.00	87.26 5.17 0.00	75.08 4.18 0.00	53.77 3.04 -0.02	47.25 2.67 0.00	44.21 2.54 0.00	43.24 2.56 0.00	44.36 2.75 0.00	43.73 2.71 0.00	45.40 2.69 0.00	54.31 3.17 -0.03	67.74 3.83 0.00	86.34 5.27 0.05	75.84 4.50 0.01	63.82 2.92 0.00	52.85 2.42 0.00	48.92 2.20 0.00	46.12 2.15 0.00
HILLSIDE_115KV_TB1 80332	38.38 -0.19 0.00	36.44 -0.22 0.00	36.31 -0.26 0.00	35.67 -0.36 0.00	35.89 -0.36 0.00	41.23 -0.42 0.00	61.92 -0.44 0.00	80.69 -1.40 0.00	70.26 -0.64 0.00	50.66 -0.05 0.00	44.62 0.04 0.00	41.62 -0.04 0.00	40.71 0.04 0.00	41.57 -0.04 0.00	40.74 -0.29 0.00	42.62 -0.09 0.00	50.19 -0.92 0.00	63.14 -0.77 0.00	80.53 -0.41 0.19	71.02 -0.29 0.05	60.29 -0.61 0.00	50.38 -0.05 0.00	46.35 -0.37 0.00	43.75 -0.22 0.00



HISHELDN_WT_PWR 323625	37.95 -0.62 0.00	36.01 -0.66 0.00	35.83 -0.73 0.00	35.38 -0.65 0.00	35.28 -0.98 0.00	40.31 -1.33 0.00	59.93 -2.43 0.00	77.49 -4.59 0.00	68.14 -2.77 0.00	49.85 -0.86 0.00	43.95 -0.62 0.00	41.00 -0.67 0.00	40.22 -0.45 0.00	40.91 -0.71 0.00	40.29 -0.74 0.00	41.89 -0.81 0.00	48.81 -2.30 0.00	61.41 -2.49 0.00	78.16 -2.76 0.20	69.09 -2.21 0.05	58.71 -2.19 0.00	49.62 -0.81 0.00	45.79 -0.93 0.00	43.09 -0.88 0.00
HOLTSVILLE_IC_1 23690	39.92 1.35 0.00	37.61 0.95 0.00	37.51 0.95 0.00	36.82 0.79 0.00	37.12 0.87 0.00	42.97 1.33 0.00	55.29 1.12 8.19	65.28 2.30 19.10	66.01 1.84 6.73	52.05 1.93 0.59	46.44 1.87 0.00	35.71 1.62 7.57	33.21 1.79 9.24	32.46 2.04 11.19	32.62 2.01 10.41	36.27 1.71 8.14	52.00 1.89 1.00	62.91 1.66 2.66	65.62 2.43 17.93	68.79 1.93 4.49	62.04 1.15 0.02	51.09 0.80 0.14	47.23 0.51 0.02	45.07 1.10 0.00
HOLTSVILLE_IC_10 23699	40.07 1.50 0.00	37.76 1.10 0.00	37.65 1.10 0.00	36.96 0.94 0.00	37.26 1.01 0.00	43.18 1.54 0.00	55.64 1.37 8.09	65.93 2.70 18.85	66.38 2.13 6.64	52.21 2.08 0.58	46.62 2.05 0.00	36.17 1.79 7.29	33.77 1.99 8.89	33.09 2.25 10.77	33.22 2.21 10.02	36.79 1.92 7.84	52.27 2.15 0.99	63.27 1.98 2.62	66.25 2.84 17.70	69.21 2.28 4.43	62.34 1.46 0.02	51.35 1.06 0.14	47.41 0.70 0.02	45.24 1.28 0.00
HOLTSVILLE_IC_2 23691	39.92 1.35 0.00	37.61 0.95 0.00	37.51 0.95 0.00	36.82 0.79 0.00	37.12 0.87 0.00	42.97 1.33 0.00	55.29 1.12 8.19	65.28 2.30 19.10	66.01 1.84 6.73	52.05 1.93 0.59	46.44 1.87 0.00	35.71 1.62 7.57	33.21 1.79 9.24	32.46 2.04 11.19	32.62 2.01 10.41	36.27 1.71 8.14	52.00 1.89 1.00	62.91 1.66 2.66	65.62 2.43 17.93	68.79 1.93 4.49	62.04 1.15 0.02	51.09 0.80 0.14	47.23 0.51 0.02	45.07 1.10 0.00
HOLTSVILLE_IC_3 23692	39.92 1.35 0.00	37.61 0.95 0.00	37.51 0.95 0.00	36.82 0.79 0.00	37.12 0.87 0.00	42.97 1.33 0.00	55.29 1.12 8.19	65.28 2.30 19.10	66.01 1.84 6.73	52.05 1.93 0.59	46.44 1.87 0.00	35.71 1.62 7.57	33.21 1.79 9.24	32.46 2.04 11.19	32.62 2.01 10.41	36.27 1.71 8.14	52.00 1.89 1.00	62.91 1.66 2.66	65.62 2.43 17.93	68.79 1.93 4.49	62.04 1.15 0.02	51.09 0.80 0.14	47.23 0.51 0.02	45.07 1.10 0.00
HOLTSVILLE_IC_4 23693	39.92 1.35 0.00	37.61 0.95 0.00	37.51 0.95 0.00	36.82 0.79 0.00	37.12 0.87 0.00	42.97 1.33 0.00	55.29 1.12 8.19	65.28 2.30 19.10	66.01 1.84 6.73	52.05 1.93 0.59	46.44 1.87 0.00	35.71 1.62 7.57	33.21 1.79 9.24	32.46 2.04 11.19	32.62 2.01 10.41	36.27 1.71 8.14	52.00 1.89 1.00	62.91 1.66 2.66	65.62 2.43 17.93	68.79 1.93 4.49	62.04 1.15 0.02	51.09 0.80 0.14	47.23 0.51 0.02	45.07 1.10 0.00
HOLTSVILLE_IC_5 23694	39.92 1.35 0.00	37.61 0.95 0.00	37.51 0.95 0.00	36.82 0.79 0.00	37.12 0.87 0.00	42.97 1.33 0.00	55.29 1.12 8.19	65.28 2.30 19.10	66.01 1.84 6.73	52.05 1.93 0.59	46.44 1.87 0.00	35.71 1.62 7.57	33.21 1.79 9.24	32.46 2.04 11.19	32.62 2.01 10.41	36.27 1.71 8.14	52.00 1.89 1.00	62.91 1.66 2.66	65.62 2.43 17.93	68.79 1.93 4.49	62.04 1.15 0.02	51.09 0.80 0.14	47.23 0.51 0.02	45.07 1.10 0.00
HOLTSVILLE_IC_6 23695	40.07 1.50 0.00	37.76 1.10 0.00	37.65 1.10 0.00	36.96 0.94 0.00	37.26 1.01 0.00	43.18 1.54 0.00	55.64 1.37 8.09	65.93 2.70 18.85	66.38 2.13 6.64	52.21 2.08 0.58	46.62 2.05 0.00	36.17 1.79 7.29	33.77 1.99 8.89	33.09 2.25 10.77	33.22 2.21 10.02	36.79 1.92 7.84	52.27 2.15 0.99	63.27 1.98 2.62	66.25 2.84 17.70	69.21 2.28 4.43	62.34 1.46 0.02	51.35 1.06 0.14	47.41 0.70 0.02	45.24 1.28 0.00
HOLTSVILLE_IC_7 23696	40.07 1.50 0.00	37.76 1.10 0.00	37.65 1.10 0.00	36.96 0.94 0.00	37.26 1.01 0.00	43.18 1.54 0.00	55.64 1.37 8.09	65.93 2.70 18.85	66.38 2.13 6.64	52.21 2.08 0.58	46.62 2.05 0.00	36.17 1.79 7.29	33.77 1.99 8.89	33.09 2.25 10.77	33.22 2.21 10.02	36.79 1.92 7.84	52.27 2.15 0.99	63.27 1.98 2.62	66.25 2.84 17.70	69.21 2.28 4.43	62.34 1.46 0.02	51.35 1.06 0.14	47.41 0.70 0.02	45.24 1.28 0.00
HOLTSVILLE_IC_8 23697	40.07 1.50 0.00	37.76 1.10 0.00	37.65 1.10 0.00	36.96 0.94 0.00	37.26 1.01 0.00	43.18 1.54 0.00	55.64 1.37 8.09	65.93 2.70 18.85	66.38 2.13 6.64	52.21 2.08 0.58	46.62 2.05 0.00	36.17 1.79 7.29	33.77 1.99 8.89	33.09 2.25 10.77	33.22 2.21 10.02	36.79 1.92 7.84	52.27 2.15 0.99	63.27 1.98 2.62	66.25 2.84 17.70	69.21 2.28 4.43	62.34 1.46 0.02	51.35 1.06 0.14	47.41 0.70 0.02	45.24 1.28 0.00
HOLTSVILLE_IC_9 23698	40.07 1.50 0.00	37.76 1.10 0.00	37.65 1.10 0.00	36.96 0.94 0.00	37.26 1.01 0.00	43.18 1.54 0.00	55.64 1.37 8.09	65.93 2.70 18.85	66.38 2.13 6.64	52.21 2.08 0.58	46.62 2.05 0.00	36.17 1.79 7.29	33.77 1.99 8.89	33.09 2.25 10.77	33.22 2.21 10.02	36.79 1.92 7.84	52.27 2.15 0.99	63.27 1.98 2.62	66.25 2.84 17.70	69.21 2.28 4.43	62.34 1.46 0.02	51.35 1.06 0.14	47.41 0.70 0.02	45.24 1.28 0.00
HOMER_HL_115KV_TB2 355744	37.84 -0.73 0.00	35.97 -0.70 0.00	35.76 -0.80 0.00	35.09 -0.94 0.00	35.20 -1.05 0.00	40.44 -1.21 0.00	60.80 -1.56 0.00	78.72 -3.37 0.00	68.92 -1.99 0.00	50.05 -0.66 0.00	44.12 -0.45 0.00	41.21 -0.46 0.00	40.34 -0.33 0.00	41.07 -0.54 0.00	40.16 -0.86 0.00	41.81 -0.90 0.00	48.55 -2.56 0.00	61.35 -2.56 0.00	78.49 -2.43 0.20	69.38 -1.93 0.05	58.77 -2.13 0.00	49.57 -0.86 0.00	45.42 -1.31 0.00	42.83 -1.14 0.00
HOWARD_WT_PWR 323690	38.30 -0.27 0.00	36.37 -0.29 0.00	36.27 -0.29 0.00	35.78 -0.25 0.00	35.78 -0.47 0.00	41.06 -0.58 0.00	61.55 -0.81 0.00	80.03 -2.05 0.00	69.84 -1.06 0.00	50.51 -0.20 0.00	44.35 -0.22 0.00	41.33 -0.33 0.00	40.43 -0.24 0.00	41.16 -0.46 0.00	40.45 -0.57 0.00	42.41 -0.30 0.00	49.78 -1.33 0.00	62.95 -0.96 0.00	80.60 -0.32 0.19	71.23 -0.07 0.05	60.47 -0.42 0.00	50.68 0.25 0.00	46.77 0.05 0.00	44.01 0.04 0.00
HQ_GEN_CEDARS 23644	39.42 0.85 0.00	37.47 0.81 0.00	37.33 0.77 0.00	36.86 0.83 0.00	37.01 0.76 0.00	42.52 0.87 0.00	63.54 1.18 0.00	83.39 1.31 0.00	72.18 1.28 0.00	51.88 1.17 0.00	45.64 1.07 0.00	42.75 1.08 0.00	41.61 0.94 0.00	42.57 0.96 0.00	41.93 0.90 0.00	43.43 0.73 0.00	51.82 0.72 0.00	64.74 0.83 0.00	81.85 0.73 0.00	72.57 1.21 0.00	62.30 1.40 0.00	51.54 1.11 0.00	47.94 1.21 0.00	45.03 1.06 0.00
HQ_GEN_CEDARS_PROXY 323590	39.42 0.85 0.00	37.47 0.81 0.00	37.33 0.77 0.00	36.86 0.83 0.00	37.02 0.76 0.00	42.52 0.88 0.00	63.54 1.18 0.00	83.39 1.31 0.00	72.18 1.28 0.00	51.88 1.17 0.00	45.64 1.07 0.00	42.74 1.08 0.00	41.61 0.94 0.00	42.57 0.96 0.00	41.92 0.90 0.00	43.43 0.73 0.00	51.79 0.72 0.03	64.77 0.83 -0.03	81.85 0.73 0.00	72.35 1.00 0.00	62.30 1.40 0.00	51.80 1.11 -0.26	47.68 1.21 0.26	45.02 1.05 0.00



HQ_GEN_IMPORT 323601	38.81 0.23 0.00	36.89 0.22 0.00	36.74 0.18 0.00	36.25 0.22 0.00	36.47 0.22 0.00	41.89 0.25 0.00	62.61 0.25 0.00	82.41 0.33 0.00	71.19 0.28 0.00	51.02 0.31 0.00	44.88 0.31 0.00	41.96 0.29 0.00	40.92 0.25 0.00	41.87 0.25 0.00	41.23 0.21 0.00	42.92 0.21 0.00	51.28 0.21 0.03	64.13 0.19 -0.03	81.28 0.16 0.00	71.57 0.21 0.00	61.27 0.37 0.00	51.00 0.30 -0.26	46.79 0.33 0.26	44.24 0.27 0.00
HQ_GEN_WHEEL 23651	38.81 0.23 0.00	36.89 0.22 0.00	36.74 0.18 0.00	36.25 0.22 0.00	36.47 0.22 0.00	41.89 0.25 0.00	62.61 0.25 0.00	82.41 0.33 0.00	71.19 0.28 0.00	51.02 0.31 0.00	44.88 0.31 0.00	41.96 0.29 0.00	40.92 0.25 0.00	41.87 0.25 0.00	41.23 0.21 0.00	42.92 0.21 0.00	51.28 0.21 0.03	64.13 0.19 -0.03	81.28 0.16 0.00	71.57 0.21 0.00	61.27 0.37 0.00	51.00 0.30 -0.26	46.79 0.33 0.26	44.24 0.27 0.00
HUDSON AVE_GT_3 23810	40.96 2.39 0.00	38.79 2.13 0.00	38.57 2.01 0.00	37.98 1.95 0.00	38.21 1.96 0.00	44.10 2.46 0.00	66.04 3.68 0.00	87.83 5.75 -0.01	75.51 4.61 0.00	54.31 3.55 -0.05	47.70 3.12 -0.01	44.63 2.96 -0.01	43.68 3.01 -0.01	44.83 3.20 -0.01	44.23 3.20 -0.01	45.83 3.12 -0.01	54.93 3.73 -0.09	68.25 4.35 0.00	86.91 5.84 0.05	76.05 4.71 0.01	64.13 3.23 0.00	53.10 2.67 0.00	49.30 2.57 0.00	46.34 2.37 0.00
HUDSON AVE_GT_4 23540	40.96 2.39 0.00	38.79 2.13 0.00	38.57 2.01 0.00	37.98 1.95 0.00	38.21 1.96 0.00	44.10 2.46 0.00	66.04 3.68 0.00	87.83 5.75 -0.01	75.51 4.61 0.00	54.31 3.55 -0.05	47.70 3.12 -0.01	44.63 2.96 -0.01	43.68 3.01 -0.01	44.83 3.20 -0.01	44.23 3.20 -0.01	45.83 3.12 -0.01	54.93 3.73 -0.09	68.25 4.35 0.00	86.91 5.84 0.05	76.05 4.71 0.01	64.13 3.23 0.00	53.10 2.67 0.00	49.30 2.57 0.00	46.34 2.37 0.00
HUDSON AVE_GT_5 23657	40.96 2.39 0.00	38.79 2.13 0.00	38.57 2.01 0.00	37.98 1.95 0.00	38.21 1.96 0.00	44.10 2.46 0.00	66.04 3.68 0.00	87.83 5.75 -0.01	75.51 4.61 0.00	54.31 3.55 -0.05	47.70 3.12 -0.01	44.63 2.96 -0.01	43.68 3.01 -0.01	44.83 3.20 -0.01	44.23 3.20 -0.01	45.83 3.12 -0.01	54.93 3.73 -0.09	68.25 4.35 0.00	86.91 5.84 0.05	76.05 4.71 0.01	64.13 3.23 0.00	53.10 2.67 0.00	49.30 2.57 0.00	46.34 2.37 0.00
HUDSON_AVE_10 24168	40.81 2.24 0.00	38.64 1.98 0.00	38.39 1.83 0.00	37.80 1.77 0.00	38.03 1.78 0.00	43.89 2.25 0.00	65.79 3.43 0.00	87.50 5.42 -0.01	75.23 4.33 0.00	54.16 3.40 -0.05	47.52 2.94 -0.01	44.46 2.79 -0.01	43.52 2.85 -0.01	44.66 3.04 -0.01	44.11 3.08 -0.01	45.66 2.95 -0.01	54.77 3.58 -0.09	68.00 4.09 0.00	86.59 5.52 0.05	75.77 4.42 0.01	63.88 2.98 0.00	52.90 2.47 0.00	49.11 2.38 0.00	46.17 2.20 0.00
HUDSON___115KV_TB 4 355613	39.38 0.81 0.00	37.54 0.88 0.00	37.37 0.80 0.00	36.90 0.86 0.00	37.99 1.74 0.00	43.77 2.12 0.00	66.10 3.74 0.00	86.76 4.68 0.00	74.09 3.19 0.00	51.88 1.17 0.00	45.15 0.58 0.00	42.08 0.42 0.00	41.08 0.41 0.00	42.07 0.46 0.00	41.68 0.66 0.00	43.60 0.90 0.00	51.98 0.87 0.00	65.44 1.53 0.00	83.19 2.11 0.04	72.85 1.50 0.01	62.18 1.28 0.00	51.34 0.91 0.00	47.57 0.84 0.00	44.89 0.92 0.00
HUNTER MOUNT___DRP 323613	39.46 0.89 0.00	37.62 0.95 0.00	37.44 0.88 0.00	36.97 0.94 0.00	37.78 1.52 0.00	43.48 1.83 0.00	65.60 3.24 0.00	86.02 3.94 0.00	73.45 2.55 0.00	51.52 0.81 0.00	44.84 0.27 0.00	41.83 0.17 0.00	40.83 0.16 0.00	41.82 0.21 0.00	41.39 0.37 0.00	43.30 0.60 0.00	51.93 0.82 0.00	65.57 1.66 0.00	83.35 2.27 0.04	73.06 1.71 0.01	62.36 1.46 0.00	51.49 1.06 0.00	47.71 0.98 0.00	45.03 1.06 0.00
HUNTINGTON_RES_REC 323705	40.07 1.50 0.00	37.76 1.10 0.00	37.62 1.06 0.00	36.96 0.94 0.00	37.23 0.98 0.00	43.14 1.50 0.00	55.57 1.25 8.04	65.80 2.46 18.74	66.14 1.84 6.60	51.96 1.82 0.58	46.35 1.78 0.00	29.71 1.79 13.75	25.88 1.99 16.78	23.54 2.25 20.32	24.33 2.21 18.91	29.85 1.92 14.78	52.07 1.94 0.98	63.22 1.92 2.61	66.28 2.76 17.60	69.17 2.21 4.41	62.10 1.22 0.01	51.15 0.86 0.14	47.41 0.70 0.01	45.20 1.23 0.00
HUNTLEY___63 23557	38.11 -0.46 0.00	36.15 -0.51 0.00	35.94 -0.62 0.00	35.24 -0.79 0.00	35.42 -0.83 0.00	40.44 -1.21 0.00	59.74 -2.62 0.00	76.83 -5.25 0.00	68.00 -2.91 0.00	50.00 -0.71 0.00	44.21 -0.36 0.00	41.33 -0.33 0.00	40.59 -0.08 0.00	41.24 -0.37 0.00	40.33 -0.70 0.00	42.06 -0.64 0.00	48.50 -2.61 0.00	60.71 -3.20 0.00	77.43 -3.49 0.20	68.45 -2.85 0.05	58.22 -2.68 0.00	49.47 -0.96 0.00	45.33 -1.40 0.00	42.96 -1.01 0.00
HUNTLEY___64 23558	38.11 -0.46 0.00	36.15 -0.51 0.00	35.94 -0.62 0.00	35.24 -0.79 0.00	35.42 -0.83 0.00	40.44 -1.21 0.00	59.74 -2.62 0.00	76.83 -5.25 0.00	68.00 -2.91 0.00	50.00 -0.71 0.00	44.21 -0.36 0.00	41.33 -0.33 0.00	40.59 -0.08 0.00	41.24 -0.37 0.00	40.33 -0.70 0.00	42.06 -0.64 0.00	48.50 -2.61 0.00	60.71 -3.20 0.00	77.43 -3.49 0.20	68.45 -2.85 0.05	58.22 -2.68 0.00	49.47 -0.96 0.00	45.33 -1.40 0.00	42.96 -1.01 0.00
HUNTLEY___65 23559	38.11 -0.46 0.00	36.15 -0.51 0.00	35.94 -0.62 0.00	35.24 -0.79 0.00	35.42 -0.83 0.00	40.44 -1.21 0.00	59.74 -2.62 0.00	76.83 -5.25 0.00	68.00 -2.91 0.00	50.00 -0.71 0.00	44.21 -0.36 0.00	41.33 -0.33 0.00	40.59 -0.08 0.00	41.24 -0.37 0.00	40.33 -0.70 0.00	42.06 -0.64 0.00	48.50 -2.61 0.00	60.71 -3.20 0.00	77.43 -3.49 0.20	68.45 -2.85 0.05	58.22 -2.68 0.00	49.47 -0.96 0.00	45.33 -1.40 0.00	42.96 -1.01 0.00
HUNTLEY___66 23560	38.11 -0.46 0.00	36.15 -0.51 0.00	35.94 -0.62 0.00	35.24 -0.79 0.00	35.42 -0.83 0.00	40.44 -1.21 0.00	59.74 -2.62 0.00	76.83 -5.25 0.00	68.00 -2.91 0.00	50.00 -0.71 0.00	44.21 -0.36 0.00	41.33 -0.33 0.00	40.59 -0.08 0.00	41.24 -0.37 0.00	40.33 -0.70 0.00	42.06 -0.64 0.00	48.50 -2.61 0.00	60.71 -3.20 0.00	77.43 -3.49 0.20	68.45 -2.85 0.05	58.22 -2.68 0.00	49.47 -0.96 0.00	45.33 -1.40 0.00	42.96 -1.01 0.00
HUNTLEY___67 23561	37.80 -0.77 0.00	35.86 -0.81 0.00	35.65 -0.91 0.00	34.99 -1.04 0.00	35.13 -1.12 0.00	40.19 -1.46 0.00	59.43 -2.93 0.00	76.42 -5.66 0.00	67.64 -3.26 0.00	49.65 -1.06 0.00	43.95 -0.62 0.00	41.04 -0.62 0.00	40.34 -0.33 0.00	40.95 -0.67 0.00	40.04 -0.98 0.00	41.81 -0.90 0.00	48.25 -2.86 0.00	60.46 -3.45 0.00	77.02 -3.89 0.20	68.09 -3.21 0.05	57.91 -2.98 0.00	49.22 -1.21 0.00	45.09 -1.64 0.00	42.70 -1.28 0.00
HUNTLEY___68 23562	37.80 -0.77 0.00	35.86 -0.81 0.00	35.65 -0.91 0.00	34.99 -1.04 0.00	35.13 -1.12 0.00	40.19 -1.46 0.00	59.43 -2.93 0.00	76.42 -5.66 0.00	67.64 -3.26 0.00	49.65 -1.06 0.00	43.95 -0.62 0.00	41.04 -0.62 0.00	40.34 -0.33 0.00	40.95 -0.67 0.00	40.04 -0.98 0.00	41.81 -0.90 0.00	48.25 -2.86 0.00	60.46 -3.45 0.00	77.02 -3.89 0.20	68.09 -3.21 0.05	57.91 -2.98 0.00	49.22 -1.21 0.00	45.09 -1.64 0.00	42.70 -1.28 0.00



HYLAND___LFGE 323620	39.77 1.20 0.00	37.73 1.06 0.00	37.73 1.17 0.00	37.18 1.15 0.00	37.27 1.01 0.00	42.72 1.08 0.00	64.60 2.24 0.00	84.13 2.05 0.00	72.82 1.92 0.00	51.82 1.11 0.00	45.24 0.67 0.00	42.00 0.33 0.00	41.12 0.45 0.00	41.91 0.29 0.00	41.35 0.33 0.00	43.30 0.60 0.00	51.42 0.31 0.00	65.25 1.34 0.00	83.76 2.84 0.20	74.23 2.93 0.05	63.03 2.13 0.00	52.90 2.47 0.00	48.64 1.92 0.00	45.47 1.50 0.00
INDECK___CORINTH 23802	39.23 0.66 0.00	37.29 0.62 0.00	37.22 0.66 0.00	36.71 0.68 0.00	36.98 0.72 0.00	42.52 0.88 0.00	63.98 1.62 0.00	84.05 1.97 0.00	72.32 1.42 0.00	50.91 0.20 0.00	44.57 0.00 0.00	41.58 -0.08 0.00	40.55 -0.12 0.00	41.62 0.00 0.00	41.15 0.12 0.00	42.92 0.21 0.00	51.92 0.82 0.00	65.44 1.53 0.00	83.19 2.11 0.03	72.77 1.43 0.01	62.12 1.22 0.00	51.08 0.65 0.00	47.43 0.70 0.00	44.72 0.75 0.00
INDECK___ILION 23567	39.34 0.77 0.00	37.43 0.77 0.00	37.33 0.77 0.00	36.75 0.72 0.00	37.01 0.76 0.00	42.48 0.83 0.00	63.73 1.37 0.00	83.97 1.89 0.00	72.46 1.56 0.00	51.67 0.96 0.00	45.46 0.89 0.00	42.50 0.83 0.00	41.44 0.77 0.00	42.36 0.75 0.00	41.76 0.74 0.00	43.47 0.77 0.00	52.13 1.02 0.00	65.18 1.28 0.00	82.74 1.62 0.00	72.85 1.50 0.00	62.05 1.16 0.00	51.49 1.06 0.00	47.71 0.98 0.00	44.89 0.92 0.00
INDECK___OLEAN 23982	37.84 -0.73 0.00	35.97 -0.70 0.00	35.76 -0.80 0.00	35.27 -0.76 0.00	35.24 -1.01 0.00	40.43 -1.21 0.00	60.80 -1.56 0.00	78.79 -3.29 0.00	68.92 -1.98 0.00	50.05 -0.66 0.00	44.13 -0.45 0.00	41.21 -0.46 0.00	40.30 -0.37 0.00	41.07 -0.54 0.00	40.33 -0.70 0.00	41.85 -0.85 0.00	48.66 -2.45 0.00	61.54 -2.36 0.00	78.49 -2.43 0.20	69.45 -1.86 0.05	58.83 -2.07 0.00	49.57 -0.86 0.00	45.61 -1.12 0.00	42.87 -1.10 0.00
INDECK___OSWEGO 23783	37.61 -0.96 0.00	35.75 -0.92 0.00	35.65 -0.91 0.00	35.13 -0.90 0.00	35.35 -0.90 0.00	40.60 -1.04 0.00	62.15 -1.43 -1.22	83.84 -1.88 -3.64	73.50 -1.56 -4.16	50.68 -1.12 -1.08	43.62 -0.98 -0.03	40.71 -0.96 0.00	39.78 -0.89 0.00	40.76 -0.96 -0.10	40.04 -0.98 0.00	41.72 -0.98 0.00	49.83 -1.28 0.00	62.37 -1.53 0.00	82.65 -1.79 -3.31	69.90 -1.50 -0.05	59.50 -1.40 0.00	49.32 -1.11 0.00	45.66 -1.07 0.00	42.91 -1.06 0.00
INDECK___YERKES 23781	38.15 -0.42 0.00	36.19 -0.48 0.00	35.97 -0.59 0.00	35.60 -0.43 0.00	35.46 -0.80 0.00	40.43 -1.21 0.00	59.80 -2.56 0.00	76.91 -5.17 0.00	68.06 -2.84 0.00	50.05 -0.66 0.00	44.26 -0.31 0.00	41.37 -0.29 0.00	40.63 -0.04 0.00	41.28 -0.33 0.00	40.65 -0.37 0.00	42.11 -0.60 0.00	48.76 -2.35 0.00	61.10 -2.81 0.00	77.51 -3.40 0.20	68.59 -2.71 0.05	58.34 -2.56 0.00	49.52 -0.91 0.00	45.70 -1.03 0.00	42.96 -1.01 0.00
INDIAN POINT_GT_1 24139	40.62 2.04 0.00	38.50 1.83 0.00	38.32 1.75 0.00	37.72 1.69 0.00	37.96 1.70 0.00	43.77 2.12 0.00	65.54 3.18 0.00	87.01 4.92 0.00	74.87 3.97 0.00	53.68 2.94 -0.03	47.20 2.63 0.00	44.12 2.46 0.00	43.15 2.48 0.00	44.28 2.66 0.00	43.69 2.67 0.00	45.31 2.61 0.00	54.32 3.17 -0.04	67.61 3.71 0.00	86.10 5.03 0.05	75.41 4.07 0.01	63.64 2.74 0.00	52.65 2.22 0.00	48.88 2.15 0.00	45.99 2.02 0.00
INDIAN POINT_GT_2 23659	40.62 2.04 0.00	38.50 1.83 0.00	38.32 1.75 0.00	37.72 1.69 0.00	37.96 1.70 0.00	43.77 2.12 0.00	65.54 3.18 0.00	87.01 4.92 0.00	74.87 3.97 0.00	53.68 2.94 -0.03	47.20 2.63 0.00	44.12 2.46 0.00	43.15 2.48 0.00	44.28 2.66 0.00	43.69 2.67 0.00	45.31 2.61 0.00	54.32 3.17 -0.04	67.61 3.71 0.00	86.10 5.03 0.05	75.41 4.07 0.01	63.64 2.74 0.00	52.65 2.22 0.00	48.88 2.15 0.00	45.99 2.02 0.00
INDIAN POINT_GT_3 24019	40.62 2.04 0.00	38.50 1.83 0.00	38.32 1.75 0.00	37.72 1.69 0.00	37.96 1.70 0.00	43.77 2.12 0.00	65.54 3.18 0.00	87.01 4.92 0.00	74.87 3.97 0.00	53.68 2.94 -0.03	47.20 2.63 0.00	44.12 2.46 0.00	43.15 2.48 0.00	44.28 2.66 0.00	43.69 2.67 0.00	45.31 2.61 0.00	54.32 3.17 -0.04	67.61 3.71 0.00	86.10 5.03 0.05	75.41 4.07 0.01	63.64 2.74 0.00	52.65 2.22 0.00	48.88 2.15 0.00	45.99 2.02 0.00
INDIAN POINT___2 23530	40.62 2.04 0.00	38.50 1.83 0.00	38.28 1.72 0.00	37.69 1.66 0.00	37.96 1.70 0.00	43.72 2.08 0.00	65.48 3.12 0.00	86.92 4.84 0.00	74.80 3.90 0.00	53.62 2.89 -0.03	47.11 2.54 0.00	44.08 2.42 0.00	43.15 2.48 0.00	44.28 2.67 0.00	43.61 2.59 0.00	45.27 2.56 0.00	54.22 3.07 -0.04	67.48 3.58 0.00	86.10 5.03 0.05	75.55 4.21 0.01	63.64 2.74 0.00	52.64 2.22 0.00	48.78 2.05 0.00	45.99 2.02 0.00
INDIAN POINT___3 23531	40.58 2.01 0.00	38.46 1.80 0.00	38.28 1.72 0.00	37.69 1.66 0.00	37.96 1.70 0.00	43.72 2.08 0.00	65.48 3.12 0.00	86.93 4.84 0.00	74.80 3.90 0.00	53.63 2.89 -0.03	47.16 2.59 0.00	44.08 2.42 0.00	43.11 2.44 0.00	44.24 2.62 0.00	43.65 2.63 0.00	45.27 2.56 0.00	54.27 3.12 -0.04	67.55 3.64 0.00	86.02 4.95 0.05	75.34 4.00 0.01	63.58 2.68 0.00	52.65 2.22 0.00	48.83 2.10 0.00	45.95 1.98 0.00
INGHAM_C_115KV_TB7 356103	40.27 1.70 0.00	38.31 1.65 0.00	38.21 1.65 0.00	37.62 1.59 0.00	37.89 1.63 0.00	43.43 1.79 0.00	65.23 2.87 0.00	85.86 3.78 0.00	74.16 3.26 0.00	52.84 2.13 0.00	46.53 1.96 0.00	43.50 1.83 0.00	42.38 1.71 0.00	43.32 1.71 0.00	42.66 1.64 0.00	44.41 1.71 0.00	53.20 2.10 0.00	66.53 2.62 0.00	84.53 3.41 0.00	74.42 3.07 0.00	63.39 2.50 0.00	52.70 2.27 0.00	48.88 2.15 0.00	45.99 2.02 0.00
IP CORINTH___1 23988	39.42 0.85 0.00	37.47 0.81 0.00	37.40 0.84 0.00	36.93 0.90 0.00	37.16 0.91 0.00	42.73 1.08 0.00	64.36 2.00 0.00	84.54 2.46 0.00	72.75 1.84 0.00	51.22 0.51 0.00	44.79 0.22 0.00	41.83 0.17 0.00	40.79 0.12 0.00	41.82 0.21 0.00	41.39 0.37 0.00	43.17 0.47 0.00	52.23 1.12 0.00	65.82 1.92 0.00	83.68 2.60 0.03	73.13 1.78 0.01	62.48 1.58 0.00	51.39 0.96 0.00	47.71 0.98 0.00	44.98 1.01 0.00
IP___TICONDEROGA 23804	40.85 2.28 0.00	38.83 2.16 0.00	38.75 2.19 0.00	38.30 2.27 0.00	38.50 2.25 0.00	44.39 2.75 0.00	67.35 4.99 0.00	88.32 6.24 0.00	75.87 4.96 0.00	52.89 2.18 0.00	46.13 1.56 0.00	42.95 1.29 0.00	41.85 1.18 0.00	42.91 1.29 0.00	42.42 1.39 0.00	44.33 1.62 0.00	53.92 2.81 0.00	68.51 4.60 0.00	87.41 6.33 0.03	76.27 4.92 0.01	65.10 4.20 0.00	53.50 3.08 0.00	49.63 2.90 0.00	46.74 2.77 0.00
ISLIP_RES_REC 323679	40.23 1.66 0.00	37.91 1.25 0.00	37.76 1.20 0.00	37.11 1.08 0.00	37.38 1.13 0.00	43.31 1.67 0.00	55.90 1.56 8.02	66.34 2.95 18.69	66.73 2.41 6.59	52.36 2.23 0.58	46.79 2.23 0.00	37.10 1.92 6.48	34.87 2.11 7.91	34.41 2.37 9.58	34.49 2.38 8.91	37.83 2.09 6.97	52.43 2.30 0.98	63.54 2.24 2.60	66.73 3.16 17.55	69.53 2.57 4.39	62.65 1.77 0.01	51.60 1.31 0.14	47.56 0.84 0.01	45.42 1.45 0.00



JAMAICA__27_KV_LOAD 355505	40.81 2.24 0.00	38.57 1.91 0.00	38.32 1.75 0.00	37.69 1.66 0.00	37.96 1.70 0.00	43.89 2.25 0.00	65.73 3.37 0.00	87.59 5.50 -0.01	75.44 4.54 0.00	54.36 3.60 -0.05	47.61 3.03 -0.01	44.50 2.83 -0.01	43.56 2.89 -0.01	44.74 3.12 -0.01	44.19 3.16 -0.01	45.79 3.07 -0.01	54.98 3.78 -0.09	68.06 4.15 0.00	86.75 5.68 0.05	75.91 4.57 0.01	64.00 3.11 0.00	52.95 2.52 0.00	49.25 2.52 0.00	46.17 2.20 0.00
JANIS__SOLAR 323808	39.81 1.23 0.00	37.95 1.28 0.00	37.84 1.28 0.00	37.18 1.15 0.00	37.45 1.19 0.00	43.06 1.42 0.00	65.23 2.87 0.00	85.94 3.86 0.00	74.02 3.12 0.00	52.38 1.67 0.00	45.82 1.25 0.00	42.66 1.00 0.00	41.56 0.89 0.00	42.37 0.75 0.00	41.68 0.65 0.00	43.77 1.07 0.00	52.49 1.38 0.00	66.20 2.30 0.00	84.60 3.65 0.17	74.95 3.64 0.05	63.57 2.68 0.00	52.80 2.37 0.00	48.69 1.96 0.00	45.68 1.71 0.00
JARVIS____ 23743	38.69 0.12 0.00	36.77 0.11 0.00	36.67 0.11 0.00	36.10 0.07 0.00	36.36 0.11 0.00	41.77 0.13 0.00	62.55 0.19 0.00	82.41 0.33 0.00	71.12 0.21 0.00	50.81 0.10 0.00	44.62 0.04 0.00	41.75 0.08 0.00	40.75 0.08 0.00	41.70 0.08 0.00	41.11 0.08 0.00	42.79 0.09 0.00	51.31 0.21 0.00	64.16 0.26 0.00	81.45 0.33 0.00	71.64 0.29 0.00	61.08 0.18 0.00	50.58 0.15 0.00	46.82 0.09 0.00	44.06 0.09 0.00
JENNISON____1 23625	39.96 1.39 0.00	38.13 1.47 0.00	37.99 1.43 0.00	37.29 1.26 0.00	37.63 1.38 0.00	43.23 1.58 0.00	65.42 3.06 0.00	86.18 4.10 0.00	74.66 3.76 0.00	52.94 2.23 0.00	46.49 1.92 0.00	43.37 1.71 0.00	42.26 1.59 0.00	43.07 1.46 0.00	42.25 1.23 0.00	44.29 1.58 0.00	53.00 1.89 0.00	66.59 2.68 0.00	84.86 3.89 0.15	75.17 3.85 0.04	63.70 2.80 0.00	52.90 2.47 0.00	48.83 2.10 0.00	45.82 1.85 0.00
JENNISON____2 23626	39.96 1.39 0.00	38.13 1.47 0.00	37.99 1.43 0.00	37.29 1.26 0.00	37.63 1.38 0.00	43.23 1.58 0.00	65.42 3.06 0.00	86.18 4.10 0.00	74.66 3.76 0.00	52.94 2.23 0.00	46.49 1.92 0.00	43.37 1.71 0.00	42.26 1.59 0.00	43.07 1.46 0.00	42.25 1.23 0.00	44.29 1.58 0.00	53.00 1.89 0.00	66.59 2.68 0.00	84.86 3.89 0.15	75.17 3.85 0.04	63.70 2.80 0.00	52.90 2.47 0.00	48.83 2.10 0.00	45.82 1.85 0.00
JERICOHO_RISE_WT_PWR 323719	38.88 0.31 0.00	36.99 0.33 0.00	36.85 0.29 0.00	36.43 0.40 0.00	36.62 0.36 0.00	42.10 0.46 0.00	62.67 0.31 0.00	82.33 0.25 0.00	71.33 0.43 0.00	51.27 0.56 0.00	45.24 0.67 0.00	42.04 0.37 0.00	40.96 0.29 0.00	41.87 0.25 0.00	41.27 0.25 0.00	43.05 0.34 0.00	51.31 0.21 0.00	64.16 0.26 0.00	81.04 -0.08 0.00	71.50 0.14 0.00	61.51 0.61 0.00	50.83 0.40 0.00	47.33 0.61 0.00	44.41 0.44 0.00
KATONAH__115KV_46KV_TB4 355592	40.69 2.12 0.00	38.61 1.94 0.00	38.43 1.86 0.00	37.87 1.84 0.00	38.10 1.85 0.00	43.85 2.21 0.00	65.73 3.37 0.00	87.25 5.17 0.00	75.23 4.33 0.00	53.81 3.09 -0.01	47.33 2.76 0.00	44.21 2.54 0.00	43.27 2.60 0.00	44.40 2.79 0.00	43.81 2.79 0.00	45.44 2.73 0.00	54.49 3.37 -0.01	67.68 3.77 0.00	86.43 5.35 0.05	75.63 4.28 0.01	63.82 2.92 0.00	52.80 2.37 0.00	49.02 2.29 0.00	46.08 2.11 0.00
KCE_NY_1 323755	39.77 1.20 0.00	37.80 1.14 0.00	37.73 1.17 0.00	37.18 1.15 0.00	37.45 1.19 0.00	43.06 1.42 0.00	64.67 2.31 0.00	85.03 2.95 0.00	73.17 2.27 0.00	51.78 1.07 0.00	45.24 0.67 0.00	42.29 0.63 0.00	41.24 0.57 0.00	42.32 0.71 0.00	41.80 0.78 0.00	43.60 0.90 0.00	52.74 1.64 0.00	66.40 2.49 0.00	84.25 3.16 0.03	73.77 2.43 0.01	62.97 2.07 0.00	51.84 1.41 0.00	48.08 1.36 0.00	45.33 1.36 0.00
KCE_NY_6_ESR 323823	38.07 -0.50 0.00	36.15 -0.51 0.00	35.90 -0.66 0.00	35.49 -0.54 0.00	35.38 -0.87 0.00	40.48 -1.17 0.00	60.18 -2.18 0.00	77.57 -4.51 0.00	68.42 -2.48 0.00	50.15 -0.56 0.00	44.35 -0.22 0.00	41.41 -0.25 0.00	40.67 0.00 0.00	41.33 -0.29 0.00	40.69 -0.33 0.00	42.19 -0.51 0.00	48.91 -2.20 0.00	61.41 -2.49 0.00	78.08 -2.84 0.20	69.02 -2.29 0.05	58.65 -2.25 0.00	49.67 -0.76 0.00	45.84 -0.89 0.00	43.04 -0.93 0.00
KEDC_PORT_JEFF_GT2 24210	40.03 1.47 0.00	37.76 1.10 0.00	37.62 1.06 0.00	36.93 0.90 0.00	37.23 0.98 0.00	43.10 1.46 0.00	55.61 1.37 8.12	65.77 2.63 18.94	66.29 2.06 6.67	52.16 2.03 0.58	46.57 2.01 0.00	35.31 1.75 8.10	32.74 1.95 9.89	31.85 2.20 11.97	32.06 2.17 11.14	35.87 1.88 8.71	52.21 2.10 0.99	63.26 1.98 2.63	66.17 2.84 17.78	68.97 2.07 4.45	62.28 1.40 0.02	51.30 1.01 0.14	47.37 0.65 0.02	45.20 1.23 0.00
KEDC_PORT_JEFF_GT3 24211	40.03 1.47 0.00	37.76 1.10 0.00	37.62 1.06 0.00	36.93 0.90 0.00	37.23 0.98 0.00	43.10 1.46 0.00	55.61 1.37 8.12	65.77 2.63 18.94	66.29 2.06 6.67	52.16 2.03 0.58	46.57 2.01 0.00	35.31 1.75 8.10	32.74 1.95 9.89	31.85 2.20 11.97	32.06 2.17 11.14	35.87 1.88 8.71	52.21 2.10 0.99	63.26 1.98 2.63	66.17 2.84 17.78	68.97 2.07 4.45	62.28 1.40 0.02	51.30 1.01 0.14	47.37 0.65 0.02	45.20 1.23 0.00
KEDC_GLWD_GT4 24219	40.70 2.12 -0.01	38.46 1.80 0.00	38.28 1.72 0.00	37.61 1.58 0.00	37.92 1.67 0.00	43.81 2.16 -0.01	62.64 2.93 2.66	80.56 4.68 6.19	72.48 3.76 2.18	53.49 2.99 0.21	47.24 2.67 0.00	44.24 2.58 0.00	43.39 2.73 0.00	44.57 2.96 0.00	43.89 2.87 0.00	45.47 2.77 0.00	53.92 3.17 0.35	66.62 3.58 0.86	80.31 5.03 5.84	74.10 4.21 1.46	63.57 2.68 0.01	52.55 2.17 0.05	48.68 1.96 0.01	46.05 2.07 -0.01
KEDC_GLWD_GT5 24220	40.70 2.12 -0.01	38.46 1.80 0.00	38.28 1.72 0.00	37.61 1.58 0.00	37.92 1.67 0.00	43.81 2.16 -0.01	62.64 2.93 2.66	80.56 4.68 6.19	72.48 3.76 2.18	53.49 2.99 0.21	47.24 2.67 0.00	44.24 2.58 0.00	43.39 2.73 0.00	44.57 2.96 0.00	43.89 2.87 0.00	45.47 2.77 0.00	53.92 3.17 0.35	66.62 3.58 0.86	80.31 5.03 5.84	74.10 4.21 1.46	63.57 2.68 0.01	52.55 2.17 0.05	48.68 1.96 0.01	46.05 2.07 -0.01
KENSICO____ 23655	40.69 2.12 0.00	38.53 1.87 0.00	38.35 1.79 0.00	37.76 1.73 0.00	38.03 1.78 0.00	43.81 2.17 0.00	65.60 3.24 0.00	87.09 5.01 0.00	74.94 4.04 0.00	53.78 3.04 -0.03	47.29 2.72 0.00	44.21 2.54 0.00	43.28 2.60 0.00	44.41 2.79 0.00	43.82 2.79 0.00	45.40 2.69 0.00	54.43 3.27 -0.05	67.68 3.77 0.00	86.27 5.19 0.05	75.55 4.21 0.01	63.76 2.86 0.00	52.75 2.32 0.00	48.92 2.20 0.00	46.04 2.07 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	40.89 2.31 0.00	38.75 2.09 0.00	38.61 2.05 0.00	38.01 1.98 0.00	38.25 1.99 0.00	44.10 2.46 0.00	66.29 3.93 0.00	87.83 5.75 0.00	75.44 4.54 0.00	53.76 3.04 0.00	47.16 2.59 0.00	44.00 2.33 0.00	43.07 2.40 0.00	44.11 2.50 0.00	43.53 2.50 0.00	45.31 2.61 0.00	54.38 3.27 0.00	68.06 4.15 0.00	86.83 5.76 0.05	76.27 4.92 0.01	64.43 3.53 0.00	53.50 3.08 0.00	49.53 2.80 0.00	46.56 2.59 0.00



KLAC_JFK_GT1 23816	40.58 2.01 0.00	38.39 1.72 0.00	38.10 1.54 0.00	37.51 1.48 0.00	37.78 1.52 0.00	43.64 2.00 0.00	65.10 2.74 0.00	86.77 4.68 -0.01	74.73 3.83 0.00	54.06 3.30 -0.05	47.34 2.76 -0.01	44.29 2.62 -0.01	43.36 2.68 -0.01	44.53 2.91 -0.01	43.94 2.91 -0.01	45.53 2.82 -0.01	54.67 3.48 -0.09	67.42 3.51 0.00	85.94 4.87 0.05	75.20 3.85 0.01	63.39 2.50 0.00	52.65 2.22 0.00	48.97 2.24 0.00	45.95 1.98 0.00
KIAC_JFK_GT2 23817	40.58 2.01 0.00	38.39 1.72 0.00	38.10 1.54 0.00	37.51 1.48 0.00	37.78 1.52 0.00	43.64 2.00 0.00	65.10 2.74 0.00	86.77 4.68 -0.01	74.73 3.83 0.00	54.06 3.30 -0.05	47.34 2.76 -0.01	44.29 2.62 -0.01	43.36 2.68 -0.01	44.53 2.91 -0.01	43.94 2.91 -0.01	45.53 2.82 -0.01	54.67 3.48 -0.09	67.42 3.51 0.00	85.94 4.87 0.05	75.20 3.85 0.01	63.39 2.50 0.00	52.65 2.22 0.00	48.97 2.24 0.00	45.95 1.98 0.00
KIAC_JFK____ 323774	40.58 2.00 0.00	38.39 1.72 0.00	38.10 1.54 0.00	37.47 1.44 0.00	37.78 1.52 0.00	43.64 2.00 0.00	65.10 2.74 0.00	86.68 4.59 -0.01	74.73 3.83 0.00	54.06 3.29 -0.05	47.30 2.72 -0.01	44.30 2.63 -0.01	43.36 2.68 -0.01	44.53 2.91 -0.01	43.90 2.87 -0.01	45.53 2.82 0.00	54.62 3.42 -0.09	67.35 3.45 0.00	85.94 4.87 0.05	75.41 4.07 0.01	63.34 2.44 0.00	52.64 2.22 0.00	48.92 2.20 0.00	45.95 1.98 0.00
KINTIGH_24_KV_GSU 356498	37.84 -0.73 0.00	35.89 -0.77 0.00	35.72 -0.84 0.00	35.35 -0.69 0.00	35.28 -0.98 0.00	40.31 -1.33 0.00	59.62 -2.74 0.00	76.91 -5.17 0.00	67.86 -3.05 0.00	49.70 -1.01 0.00	43.99 -0.58 0.00	41.08 -0.58 0.00	40.34 -0.33 0.00	40.95 -0.67 0.00	40.41 -0.61 0.00	41.89 -0.81 0.00	48.76 -2.35 0.00	61.03 -2.87 0.00	77.26 -3.65 0.21	68.37 -2.93 0.05	58.22 -2.68 0.00	49.27 -1.16 0.00	45.47 -1.26 0.00	42.79 -1.19 0.00
KINTIGH____ 23543	37.84 -0.73 0.00	35.89 -0.77 0.00	35.72 -0.84 0.00	35.06 -0.97 0.00	35.24 -1.02 0.00	40.31 -1.33 0.00	59.62 -2.74 0.00	76.83 -5.25 0.00	67.85 -3.05 0.00	49.70 -1.01 0.00	43.99 -0.58 0.00	41.08 -0.58 0.00	40.34 -0.33 0.00	40.95 -0.67 0.00	40.12 -0.90 0.00	41.85 -0.85 0.00	48.55 -2.56 0.00	60.71 -3.20 0.00	77.26 -3.65 0.21	68.30 -3.00 0.05	58.16 -2.74 0.00	49.27 -1.16 0.00	45.19 -1.54 0.00	42.78 -1.19 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	39.23 0.66 0.00	37.29 0.62 0.00	37.11 0.55 0.00	36.72 0.68 0.00	36.87 0.62 0.00	42.39 0.75 0.00	62.98 0.62 0.00	82.65 0.57 0.00	71.61 0.71 0.00	51.57 0.86 0.00	45.60 1.03 0.00	42.45 0.79 0.00	41.28 0.61 0.00	42.24 0.62 0.00	41.60 0.57 0.00	43.35 0.64 0.00	51.57 0.46 0.00	64.55 0.64 0.00	81.44 0.32 0.00	72.28 0.93 0.00	61.99 1.10 0.00	51.18 0.76 0.00	47.80 1.07 0.00	44.85 0.88 0.00
LACHUTE__HYDRO 323717	40.85 2.28 0.00	38.83 2.16 0.00	38.75 2.19 0.00	38.27 2.23 0.00	38.50 2.25 0.00	44.39 2.75 0.00	67.35 4.99 0.00	88.24 6.16 0.00	75.86 4.96 0.00	52.89 2.18 0.00	46.13 1.56 0.00	42.96 1.29 0.00	41.85 1.18 0.00	42.91 1.29 0.00	42.38 1.35 0.00	44.33 1.62 0.00	53.92 2.81 0.00	68.51 4.60 0.00	87.42 6.33 0.03	76.34 4.99 0.01	65.10 4.20 0.00	53.50 3.08 0.00	49.63 2.90 0.00	46.74 2.77 0.00
LAWRNCV_115KV_TB1 80681	39.58 1.00 0.00	37.62 0.95 0.00	37.44 0.88 0.00	37.00 0.97 0.00	37.16 0.91 0.00	42.68 1.04 0.00	63.92 1.56 0.00	83.89 1.81 0.00	72.53 1.63 0.00	51.93 1.22 0.00	45.68 1.11 0.00	43.20 1.54 0.00	42.01 1.34 0.00	42.95 1.33 0.00	42.25 1.23 0.00	43.26 0.56 0.00	51.36 0.26 0.00	64.10 0.19 0.00	81.12 0.00 0.00	72.43 1.07 0.00	62.42 1.52 0.00	51.74 1.31 0.00	48.27 1.54 0.00	45.25 1.28 0.00
LEDERLE____ 23769	40.81 2.24 0.00	38.64 1.98 0.00	38.46 1.90 0.00	37.90 1.87 0.00	38.14 1.89 0.00	44.02 2.37 0.00	66.10 3.74 0.00	87.75 5.66 0.00	75.51 4.61 0.00	54.03 3.30 -0.02	47.51 2.94 0.00	44.42 2.75 0.00	43.44 2.77 0.00	44.57 2.95 0.00	43.98 2.95 0.00	45.61 2.90 0.00	54.51 3.37 -0.03	68.00 4.09 0.00	86.67 5.60 0.05	75.91 4.57 0.01	64.06 3.17 0.00	53.00 2.57 0.00	49.16 2.43 0.00	46.21 2.24 0.00
LIGHTHSE_115KV_TB6 355974	38.34 -0.23 0.00	36.44 -0.22 0.00	36.34 -0.22 0.00	35.74 -0.29 0.00	36.04 -0.22 0.00	41.35 -0.29 0.00	62.83 -0.12 -0.60	83.71 -0.16 -1.79	72.95 0.00 -2.04	50.99 -0.25 -0.53	44.32 -0.27 -0.01	41.41 -0.25 0.00	40.43 -0.24 0.00	41.29 -0.37 -0.05	40.57 -0.45 0.00	42.32 -0.38 0.00	50.49 -0.61 0.00	63.27 -0.64 0.00	82.17 -0.49 -1.54	71.21 -0.14 0.00	60.59 -0.30 0.00	50.38 -0.05 0.00	46.63 -0.09 0.00	43.79 -0.18 0.00
LINDEN COGEN____ 23786	40.81 2.24 0.00	38.64 1.98 0.00	38.42 1.86 0.00	37.80 1.77 0.00	38.07 1.81 0.00	43.89 2.25 0.00	65.79 3.43 0.00	87.34 5.26 -0.01	75.16 4.25 0.00	54.06 3.29 -0.05	47.47 2.90 -0.01	44.42 2.75 -0.01	43.48 2.80 -0.01	44.66 3.04 -0.01	43.98 2.96 -0.01	45.62 2.91 0.00	54.62 3.42 -0.09	67.87 3.96 0.00	86.43 5.35 0.05	75.84 4.50 0.01	63.76 2.86 0.00	52.85 2.42 0.00	49.02 2.29 0.00	46.17 2.20 0.00
LINDHRST_69_KV_BK1 356055	40.77 2.20 0.00	38.42 1.76 0.00	38.28 1.72 0.00	37.65 1.62 0.00	37.89 1.63 0.00	43.89 2.25 0.00	58.05 2.24 6.55	70.58 3.78 15.27	68.43 2.91 5.38	52.67 2.43 0.47	47.15 2.59 0.00	43.57 2.37 0.47	42.70 2.60 0.57	43.80 2.87 0.69	43.37 2.99 0.64	44.93 2.73 0.50	53.12 2.81 0.80	64.72 2.94 2.12	70.99 4.22 14.35	71.12 3.35 3.59	63.20 2.31 0.01	52.18 1.87 0.11	48.68 1.96 0.01	46.48 2.51 0.00
LIPA_MISC_IPP 23656	39.73 1.16 0.00	37.43 0.77 0.00	37.33 0.77 0.00	36.72 0.68 0.00	36.94 0.69 0.00	42.81 1.17 0.00	55.18 1.00 8.18	65.40 2.38 19.06	66.03 1.84 6.72	52.10 1.98 0.59	46.57 2.01 0.00	35.57 1.46 7.55	33.08 1.63 9.22	32.37 1.91 11.16	32.60 1.97 10.39	36.16 1.58 8.12	52.15 2.04 1.00	62.92 1.66 2.65	65.50 2.27 17.90	68.59 1.71 4.48	62.04 1.16 0.02	50.89 0.61 0.14	47.13 0.42 0.02	45.24 1.28 0.00
LISF__SOLAR 323691	39.77 1.20 0.00	37.47 0.81 0.00	37.36 0.80 0.00	36.68 0.65 0.00	36.98 0.72 0.00	42.85 1.21 0.00	55.33 1.12 8.16	65.45 2.38 19.01	66.12 1.92 6.70	52.16 2.03 0.58	46.48 1.92 0.00	35.62 1.46 7.50	33.14 1.63 9.15	32.41 1.87 11.08	32.56 1.85 10.31	36.18 1.54 8.06	52.05 1.94 1.00	62.92 1.66 2.64	65.62 2.35 17.85	68.81 1.93 4.47	62.10 1.22 0.02	51.09 0.80 0.14	47.08 0.37 0.02	44.93 0.97 0.00
LITTLE FALLS__HYD 24013	40.27 1.70 0.00	38.31 1.65 0.00	38.21 1.65 0.00	37.62 1.59 0.00	37.89 1.63 0.00	43.43 1.79 0.00	65.23 2.87 0.00	85.86 3.78 0.00	74.16 3.26 0.00	52.84 2.13 0.00	46.53 1.96 0.00	43.50 1.83 0.00	42.38 1.71 0.00	43.32 1.71 0.00	42.66 1.64 0.00	44.41 1.71 0.00	53.20 2.10 0.00	66.53 2.62 0.00	84.53 3.41 0.00	74.42 3.07 0.00	63.39 2.50 0.00	52.70 2.27 0.00	48.88 2.15 0.00	45.99 2.02 0.00



LITTLRIV_115KV_TB1 356100	39.96 1.39 0.00	38.06 1.39 0.00	37.84 1.28 0.00	37.36 1.33 0.00	37.59 1.34 0.00	43.14 1.50 0.00	64.73 2.37 0.00	84.95 2.87 0.00	73.24 2.34 0.00	52.23 1.52 0.00	45.95 1.38 0.00	43.41 1.75 0.00	42.17 1.50 0.00	43.11 1.50 0.00	42.42 1.39 0.00	43.47 0.77 0.00	51.72 0.61 0.00	64.74 0.83 0.00	82.01 0.89 0.00	73.43 2.07 0.00	63.21 2.31 0.00	52.39 1.97 0.00	48.88 2.15 0.00	45.77 1.80 0.00
LI_NEWBRDGE___DRP 323616	40.15 1.58 0.01	37.87 1.21 0.00	37.73 1.17 0.00	37.11 1.08 0.00	37.34 1.09 0.00	43.18 1.54 0.01	55.40 1.81 8.77	64.93 3.28 20.44	66.18 2.48 7.20	52.26 2.18 0.63	46.62 2.05 0.00	43.66 2.00 0.00	42.86 2.20 0.00	44.07 2.46 0.00	43.52 2.50 0.00	44.88 2.18 0.00	52.49 2.45 1.07	63.49 2.43 2.84	65.34 3.41 19.19	69.19 2.64 4.80	62.40 1.52 0.02	51.44 1.16 0.15	47.88 1.17 0.02	45.72 1.76 0.01
LOCKPORT_115KV_TB60_63_64 80432	37.69 -0.89 0.00	35.75 -0.92 0.00	35.54 -1.02 0.00	34.88 -1.15 0.00	35.02 -1.23 0.00	40.02 -1.62 0.00	59.18 -3.18 0.00	76.17 -5.91 0.00	67.43 -3.47 0.00	49.49 -1.22 0.00	43.81 -0.76 0.00	40.87 -0.79 0.00	40.22 -0.45 0.00	40.78 -0.83 0.00	39.92 -1.11 0.00	41.68 -1.02 0.00	48.09 -3.02 0.00	60.20 -3.71 0.00	76.70 -4.22 0.20	67.88 -3.43 0.05	57.73 -3.17 0.00	49.07 -1.36 0.00	44.95 -1.78 0.00	42.56 -1.41 0.00
LOCKPORT___CC1 323769	37.69 -0.89 0.00	35.75 -0.92 0.00	35.58 -0.99 0.00	35.20 -0.83 0.00	35.06 -1.20 0.00	40.06 -1.58 0.00	59.18 -3.18 0.00	76.17 -5.91 0.00	67.36 -3.54 0.00	49.49 -1.22 0.00	43.81 -0.76 0.00	40.91 -0.75 0.00	40.22 -0.45 0.00	40.82 -0.79 0.00	40.24 -0.78 0.00	41.68 -1.03 0.00	48.30 -2.81 0.00	60.52 -3.39 0.00	76.78 -4.13 0.20	67.88 -3.42 0.05	57.79 -3.10 0.00	49.07 -1.36 0.00	45.28 -1.45 0.00	42.61 -1.36 0.00
LOCKPORT___CC2 323770	37.69 -0.89 0.00	35.75 -0.92 0.00	35.58 -0.99 0.00	35.20 -0.83 0.00	35.06 -1.20 0.00	40.06 -1.58 0.00	59.18 -3.18 0.00	76.17 -5.91 0.00	67.36 -3.54 0.00	49.49 -1.22 0.00	43.81 -0.76 0.00	40.91 -0.75 0.00	40.22 -0.45 0.00	40.82 -0.79 0.00	40.24 -0.78 0.00	41.68 -1.03 0.00	48.30 -2.81 0.00	60.52 -3.39 0.00	76.78 -4.13 0.20	67.88 -3.42 0.05	57.79 -3.10 0.00	49.07 -1.36 0.00	45.28 -1.45 0.00	42.61 -1.36 0.00
LOCKPORT___CC3 323771	37.69 -0.89 0.00	35.75 -0.92 0.00	35.58 -0.99 0.00	35.20 -0.83 0.00	35.06 -1.20 0.00	40.06 -1.58 0.00	59.18 -3.18 0.00	76.17 -5.91 0.00	67.36 -3.54 0.00	49.49 -1.22 0.00	43.81 -0.76 0.00	40.91 -0.75 0.00	40.22 -0.45 0.00	40.82 -0.79 0.00	40.24 -0.78 0.00	41.68 -1.03 0.00	48.30 -2.81 0.00	60.52 -3.39 0.00	76.78 -4.13 0.20	67.88 -3.42 0.05	57.79 -3.10 0.00	49.07 -1.36 0.00	45.28 -1.45 0.00	42.61 -1.36 0.00
LOCUSVLY_69_KV_BK2 55797	40.62 2.04 0.00	38.35 1.69 0.00	38.21 1.65 0.00	37.58 1.55 0.00	37.81 1.56 0.00	43.73 2.08 0.00	60.92 2.62 4.06	76.97 4.35 9.46	70.97 3.40 3.33	53.14 2.74 0.30	47.15 2.59 0.00	44.16 2.50 0.00	43.31 2.64 0.00	44.48 2.87 0.00	43.93 2.91 0.00	45.43 2.73 0.00	53.66 3.07 0.52	65.91 3.32 1.32	76.84 4.62 8.90	72.84 3.71 2.23	63.26 2.38 0.01	52.27 1.92 0.07	48.54 1.82 0.01	46.18 2.20 -0.01
LONG_LAKE_PHOENIX 24014	37.80 -0.77 0.00	35.93 -0.73 0.00	35.83 -0.73 0.00	35.27 -0.76 0.00	35.49 -0.76 0.00	40.81 -0.83 0.00	62.22 -1.06 -0.92	83.35 -1.48 -2.75	72.90 -1.13 -3.14	50.71 -0.81 -0.82	43.88 -0.71 -0.02	41.00 -0.67 0.00	40.02 -0.65 0.00	40.98 -0.71 -0.07	40.28 -0.74 0.00	42.02 -0.68 0.00	50.14 -0.97 0.00	62.76 -1.15 0.00	82.26 -1.30 -2.44	70.24 -1.14 -0.02	59.80 -1.10 0.00	49.62 -0.81 0.00	45.89 -0.84 0.00	43.13 -0.84 0.00
LOVETT___3 23632	40.62 2.04 0.00	38.50 1.83 0.00	38.28 1.72 0.00	37.72 1.69 0.00	37.96 1.70 0.00	43.72 2.08 0.00	65.60 3.24 0.00	87.09 5.01 0.00	74.94 4.04 0.00	53.72 2.99 -0.02	47.25 2.67 0.00	44.17 2.50 0.00	43.19 2.52 0.00	44.32 2.71 0.00	43.73 2.71 0.00	45.36 2.65 0.00	54.26 3.12 -0.04	67.61 3.71 0.00	86.10 5.03 0.05	75.41 4.07 0.01	63.64 2.74 0.00	52.65 2.22 0.00	48.88 2.15 0.00	45.99 2.02 0.00
LOVETT___4 23642	40.62 2.04 0.00	38.50 1.83 0.00	38.28 1.72 0.00	37.72 1.69 0.00	37.96 1.70 0.00	43.72 2.08 0.00	65.60 3.24 0.00	87.09 5.01 0.00	74.94 4.04 0.00	53.72 2.99 -0.02	47.25 2.67 0.00	44.17 2.50 0.00	43.19 2.52 0.00	44.32 2.71 0.00	43.73 2.71 0.00	45.36 2.65 0.00	54.26 3.12 -0.04	67.61 3.71 0.00	86.10 5.03 0.05	75.41 4.07 0.01	63.64 2.74 0.00	52.65 2.22 0.00	48.88 2.15 0.00	45.99 2.02 0.00
LOVETT___5 23593	40.62 2.04 0.00	38.50 1.83 0.00	38.28 1.72 0.00	37.72 1.69 0.00	37.96 1.70 0.00	43.72 2.08 0.00	65.60 3.24 0.00	87.09 5.01 0.00	74.94 4.04 0.00	53.72 2.99 -0.02	47.25 2.67 0.00	44.17 2.50 0.00	43.19 2.52 0.00	44.32 2.71 0.00	43.73 2.71 0.00	45.36 2.65 0.00	54.26 3.12 -0.04	67.61 3.71 0.00	86.10 5.03 0.05	75.41 4.07 0.01	63.64 2.74 0.00	52.65 2.22 0.00	48.88 2.15 0.00	45.99 2.02 0.00
LOWER RAQUET___HYD 24057	39.61 1.04 0.00	37.69 1.03 0.00	37.51 0.95 0.00	37.04 1.01 0.00	37.23 0.98 0.00	42.72 1.08 0.00	64.04 1.68 0.00	84.05 1.97 0.00	72.60 1.70 0.00	51.98 1.27 0.00	45.73 1.16 0.00	43.33 1.67 0.00	42.13 1.46 0.00	43.04 1.42 -0.01	42.38 1.35 0.00	43.18 0.47 0.00	51.21 0.10 0.00	63.91 0.00 0.00	80.88 -0.24 0.00	72.07 0.71 0.00	62.42 1.52 0.00	51.79 1.36 0.00	48.41 1.68 0.00	45.33 1.36 0.00
LOWER___HUDSON 24059	39.38 0.81 0.00	37.47 0.81 0.00	37.36 0.80 0.00	36.79 0.76 0.00	37.09 0.83 0.00	42.64 1.00 0.00	63.73 1.37 0.00	83.88 1.80 0.00	72.11 1.20 0.00	51.22 0.51 0.00	44.79 0.22 0.00	41.96 0.29 0.00	40.87 0.20 0.00	41.99 0.37 0.00	41.48 0.45 0.00	43.26 0.55 0.00	52.39 1.28 0.00	65.76 1.85 0.00	83.28 2.19 0.03	72.85 1.50 0.01	62.42 1.52 0.00	51.23 0.80 0.00	47.52 0.79 0.00	44.85 0.88 0.00
LOWVILLE_115KV_TB2 356335	39.11 0.54 0.00	37.18 0.51 0.00	37.04 0.48 0.00	36.43 0.40 0.00	36.76 0.51 0.00	42.14 0.50 0.00	63.89 1.37 -0.15	84.75 2.22 -0.46	73.20 1.77 -0.52	51.51 0.66 -0.14	45.11 0.53 0.00	42.25 0.58 0.00	41.24 0.57 0.00	42.09 0.46 -0.01	41.39 0.37 0.00	42.96 0.26 0.00	51.41 0.31 0.00	64.55 0.64 0.00	82.62 1.14 -0.36	73.20 1.86 0.01	62.36 1.46 0.00	51.89 1.46 0.00	48.04 1.31 0.00	45.03 1.06 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	39.73 1.16 0.00	37.76 1.10 0.00	37.69 1.13 0.00	37.18 1.15 0.00	37.41 1.16 0.00	43.02 1.37 0.00	64.67 2.31 0.00	85.04 2.95 0.00	73.17 2.27 0.00	51.72 1.01 0.00	45.24 0.67 0.00	42.25 0.58 0.00	41.20 0.53 0.00	42.28 0.67 0.00	41.80 0.78 0.00	43.60 0.90 0.00	52.74 1.64 0.00	66.33 2.43 0.00	84.17 3.08 0.03	73.63 2.28 0.01	62.97 2.07 0.00	51.84 1.41 0.00	48.08 1.36 0.00	45.29 1.32 0.00



LUTHERNY_35_KV_BK2 355980	39.77 1.20 0.00	37.80 1.14 0.00	37.73 1.17 0.00	37.22 1.19 0.00	37.45 1.20 0.00	43.06 1.42 0.00	64.67 2.31 0.00	85.04 2.95 0.00	73.17 2.27 0.00	51.77 1.06 0.00	45.28 0.71 0.00	42.29 0.62 0.00	41.24 0.57 0.00	42.32 0.71 0.00	41.84 0.82 0.00	43.60 0.90 0.00	52.79 1.69 0.00	66.40 2.49 0.00	84.25 3.16 0.03	73.70 2.35 0.01	62.97 2.07 0.00	51.84 1.41 0.00	48.13 1.40 0.00	45.33 1.36 0.00
LWR___OSWEGATCHIE_HYD 23850	39.34 0.77 0.00	37.43 0.77 0.00	37.26 0.69 0.00	36.72 0.68 0.00	37.01 0.76 0.00	42.39 0.75 0.00	64.01 1.50 -0.15	84.33 1.81 -0.44	72.90 1.49 -0.51	51.55 0.71 -0.13	45.24 0.67 0.00	42.62 0.96 0.00	41.61 0.94 0.00	42.46 0.83 -0.01	41.76 0.74 0.00	42.96 0.26 0.00	51.06 -0.05 0.00	63.91 0.00 0.00	81.58 0.08 -0.38	72.50 1.14 0.00	62.12 1.22 0.00	51.79 1.36 0.00	48.18 1.45 0.00	45.11 1.14 0.00
LYONS_FALL_HYD 23570	39.15 0.58 0.00	37.25 0.58 0.00	37.11 0.55 0.00	36.50 0.47 0.00	36.83 0.58 0.00	42.27 0.63 0.00	63.95 1.49 -0.10	84.66 2.30 -0.28	73.14 1.92 -0.32	51.60 0.81 -0.08	45.24 0.67 0.00	42.37 0.71 0.00	41.32 0.65 0.00	42.16 0.54 -0.01	41.52 0.49 0.00	43.18 0.47 0.00	51.72 0.62 0.00	64.80 0.89 0.00	82.79 1.46 -0.20	73.20 1.85 0.01	62.36 1.46 0.00	51.84 1.41 0.00	47.94 1.21 0.00	44.94 0.97 0.00
MADISON___COUNTY_LFGE 323628	39.31 0.73 0.00	37.43 0.77 0.00	37.33 0.77 0.00	36.68 0.65 0.00	37.01 0.76 0.00	42.68 1.04 0.00	64.42 2.06 0.00	84.87 2.79 0.00	73.31 2.41 0.00	51.98 1.27 0.00	45.64 1.07 0.00	42.66 1.00 0.00	41.61 0.94 0.00	42.49 0.87 0.00	41.80 0.78 0.00	43.60 0.90 0.00	52.28 1.18 0.00	65.50 1.60 0.00	83.30 2.27 0.09	73.69 2.35 0.02	62.60 1.71 0.00	51.94 1.51 0.00	48.04 1.31 0.00	45.07 1.10 0.00
MALONE___115KV_TB1 356076	39.46 0.89 0.00	37.51 0.84 0.00	37.33 0.77 0.00	36.93 0.90 0.00	37.05 0.80 0.00	42.64 1.00 0.00	63.54 1.18 0.00	83.39 1.31 0.00	72.32 1.42 0.00	52.08 1.37 0.00	45.91 1.34 0.00	45.54 3.87 0.00	44.00 3.33 0.00	44.99 3.37 0.00	44.18 3.16 0.00	43.52 0.81 0.00	51.77 0.66 0.00	64.74 0.83 0.00	81.69 0.57 0.00	72.78 1.43 0.00	62.54 1.64 0.00	51.69 1.26 0.00	48.18 1.45 0.00	45.16 1.19 0.00
MAPLEWOD_115KV_TB3 80458	39.19 0.62 0.00	37.32 0.66 0.00	37.18 0.62 0.00	36.68 0.65 0.00	36.91 0.65 0.00	42.43 0.79 0.00	63.42 1.06 0.00	83.48 1.40 0.00	71.82 0.92 0.00	51.01 0.30 0.00	44.70 0.13 0.00	41.83 0.17 0.00	40.83 0.16 0.00	41.87 0.25 0.00	41.43 0.41 0.00	43.09 0.38 0.00	52.08 0.97 0.00	65.31 1.41 0.00	82.71 1.62 0.03	72.35 1.00 0.01	61.93 1.04 0.00	50.98 0.55 0.00	47.29 0.56 0.00	44.59 0.62 0.00
MAPLE_RIDGE_WT_1 323574	38.42 -0.15 0.00	36.52 -0.15 0.00	36.42 -0.15 0.00	35.92 -0.11 0.00	36.18 -0.07 0.00	41.56 -0.08 0.00	62.24 -0.12 0.00	81.92 -0.16 0.00	70.76 -0.14 0.00	50.61 -0.10 0.00	44.53 -0.04 0.00	41.62 -0.04 0.00	40.59 -0.08 0.00	41.53 -0.08 0.00	40.90 -0.12 0.00	42.54 -0.17 0.00	50.90 -0.20 0.00	63.72 -0.19 0.00	80.88 -0.24 0.00	71.21 -0.14 0.00	60.90 0.00 0.00	50.43 0.00 0.00	46.77 0.05 0.00	44.01 0.04 0.00
MAPLE_RIDGE_WT_2 323611	38.42 -0.15 0.00	36.52 -0.15 0.00	36.42 -0.15 0.00	35.92 -0.11 0.00	36.18 -0.07 0.00	41.56 -0.08 0.00	62.24 -0.12 0.00	81.92 -0.16 0.00	70.76 -0.14 0.00	50.61 -0.10 0.00	44.53 -0.04 0.00	41.62 -0.04 0.00	40.59 -0.08 0.00	41.53 -0.08 0.00	40.90 -0.12 0.00	42.54 -0.17 0.00	50.90 -0.20 0.00	63.72 -0.19 0.00	80.88 -0.24 0.00	71.21 -0.14 0.00	60.90 0.00 0.00	50.43 0.00 0.00	46.77 0.05 0.00	44.01 0.04 0.00
MARBLE_RIVER_WT_PWR 323696	38.88 0.31 0.00	36.99 0.33 0.00	36.85 0.29 0.00	36.43 0.40 0.00	36.62 0.36 0.00	42.06 0.42 0.00	62.67 0.31 0.00	82.33 0.25 0.00	71.26 0.36 0.00	51.22 0.51 0.00	45.19 0.62 0.00	42.12 0.46 0.00	40.99 0.32 0.00	41.95 0.33 0.00	41.31 0.29 0.00	43.05 0.34 0.00	51.26 0.15 0.00	64.10 0.19 0.00	81.04 -0.08 0.00	71.43 0.07 0.00	61.44 0.55 0.00	50.78 0.36 0.00	47.29 0.56 0.00	44.41 0.44 0.00
MARSHVLE_115KV_TB1 80742	39.42 0.85 0.00	37.47 0.81 0.00	37.40 0.84 0.00	36.90 0.86 0.00	37.16 0.91 0.00	42.85 1.21 0.00	65.10 2.74 0.00	85.61 3.53 0.00	73.03 2.13 0.00	50.71 0.00 0.00	44.04 -0.53 0.00	41.00 -0.67 0.00	40.14 -0.53 0.00	41.24 -0.37 0.00	40.86 -0.16 0.00	42.83 0.13 0.00	51.87 0.77 0.00	65.76 1.85 0.00	83.99 2.92 0.05	73.70 2.35 0.01	62.66 1.77 0.00	52.04 1.61 0.00	48.13 1.40 0.00	45.16 1.19 0.00
MARSH_HILL_WT_PWR 323713	38.26 -0.31 0.00	36.37 -0.29 0.00	36.23 -0.33 0.00	35.78 -0.25 0.00	35.78 -0.47 0.00	41.02 -0.62 0.00	61.49 -0.87 0.00	79.95 -2.13 0.00	69.84 -1.06 0.00	50.51 -0.20 0.00	44.35 -0.22 0.00	41.29 -0.38 0.00	40.43 -0.24 0.00	41.16 -0.46 0.00	40.45 -0.57 0.00	42.45 -0.25 0.00	49.83 -1.28 0.00	63.01 -0.89 0.00	80.60 -0.32 0.19	71.23 -0.07 0.05	60.47 -0.42 0.00	50.68 0.25 0.00	46.77 0.05 0.00	44.01 0.04 0.00
MCINTYRE_115KV_TB2 80467	40.12 1.54 0.00	38.20 1.54 0.00	37.99 1.43 0.00	37.51 1.48 0.00	37.70 1.45 0.00	43.31 1.67 0.00	64.98 2.62 0.00	85.20 3.12 0.00	73.31 2.41 0.00	52.28 1.57 0.00	45.95 1.38 0.00	43.25 1.58 0.00	42.01 1.34 0.00	42.95 1.33 0.00	42.30 1.27 0.00	43.56 0.85 0.00	52.03 0.92 0.00	65.25 1.34 0.00	82.66 1.54 0.00	73.93 2.57 0.00	63.52 2.62 0.00	52.65 2.22 0.00	49.02 2.29 0.00	45.90 1.93 0.00
MECO_____69_KV_BK1 80468	40.12 1.54 0.00	38.13 1.47 0.00	38.06 1.50 0.00	37.54 1.51 0.00	37.81 1.56 0.00	43.64 2.00 0.00	66.29 3.93 0.00	87.01 4.92 0.00	74.23 3.33 0.00	51.42 0.71 0.00	44.62 0.04 0.00	41.46 -0.21 0.00	40.51 -0.16 0.00	41.62 0.00 0.00	41.31 0.29 0.00	43.35 0.64 0.00	52.79 1.69 0.00	67.17 3.26 0.00	85.78 4.70 0.04	75.13 3.78 0.01	63.94 3.04 0.00	52.90 2.47 0.00	48.97 2.24 0.00	45.95 1.98 0.00
MENANDS___115KV_TB5 355628	39.07 0.50 0.00	37.21 0.55 0.00	37.07 0.51 0.00	36.57 0.54 0.00	36.76 0.51 0.00	42.27 0.62 0.00	63.05 0.69 0.00	83.07 0.98 0.00	71.40 0.50 0.00	50.81 0.10 0.00	44.53 -0.04 0.00	41.71 0.04 0.00	40.71 0.04 0.00	41.74 0.12 0.00	41.27 0.25 0.00	42.96 0.26 0.00	51.87 0.77 0.00	64.99 1.09 0.00	82.30 1.22 0.03	71.99 0.64 0.01	61.63 0.73 0.00	50.73 0.30 0.00	47.06 0.33 0.00	44.41 0.44 0.00
MG INDUSTRY___DRP 24185	39.19 0.62 0.00	37.32 0.66 0.00	37.18 0.62 0.00	36.68 0.65 0.00	37.01 0.76 0.00	42.52 0.87 0.00	63.61 1.25 0.00	83.72 1.64 0.00	71.90 0.99 0.00	51.01 0.30 0.00	44.66 0.09 0.00	41.75 0.08 0.00	40.75 0.08 0.00	41.78 0.17 0.00	41.31 0.29 0.00	43.05 0.34 0.00	51.82 0.72 0.00	64.99 1.09 0.00	82.46 1.38 0.04	72.27 0.93 0.01	61.75 0.85 0.00	50.98 0.55 0.00	47.29 0.56 0.00	44.59 0.62 0.00



MID___OSWEGATCHIE_HYD 23849	39.34 0.77 0.00	37.43 0.77 0.00	37.26 0.69 0.00	36.72 0.68 0.00	37.01 0.76 0.00	42.39 0.75 0.00	64.01 1.50 -0.15	84.33 1.81 -0.44	72.90 1.49 -0.51	51.55 0.71 -0.13	45.24 0.67 0.00	42.62 0.96 0.00	41.61 0.94 0.00	42.46 0.83 -0.01	41.76 0.74 0.00	42.96 0.26 0.00	51.06 -0.05 0.00	63.91 0.00 0.00	81.58 0.08 -0.38	72.50 1.14 0.00	62.12 1.22 0.00	51.79 1.36 0.00	48.18 1.45 0.00	45.11 1.14 0.00
MID___RAQUETTE_HYD 23851	39.61 1.04 0.00	37.69 1.03 0.00	37.51 0.95 0.00	37.04 1.01 0.00	37.23 0.98 0.00	42.73 1.08 0.00	64.04 1.68 0.00	84.05 1.97 0.00	72.60 1.70 0.00	51.98 1.27 0.00	45.73 1.16 0.00	43.33 1.67 0.00	42.13 1.46 0.00	43.03 1.41 0.00	42.38 1.35 0.00	43.17 0.47 0.00	51.21 0.10 0.00	63.91 0.00 0.00	80.88 -0.24 0.00	72.36 1.00 0.00	62.42 1.52 0.00	51.79 1.36 0.00	48.41 1.68 0.00	45.33 1.36 0.00
MILLIKEN___1 23584	39.00 0.42 0.00	37.07 0.40 0.00	37.00 0.44 0.00	36.36 0.32 0.00	36.62 0.36 0.00	42.10 0.46 0.00	63.59 1.12 -0.11	83.71 1.31 -0.32	72.54 1.28 -0.37	51.62 0.81 -0.09	45.24 0.67 0.00	42.21 0.54 0.00	41.20 0.53 0.00	42.12 0.50 -0.01	41.39 0.37 0.00	43.30 0.60 0.00	51.62 0.51 0.00	64.80 0.89 0.00	82.84 1.62 -0.10	72.81 1.50 0.05	61.93 1.04 0.00	51.39 0.96 0.00	47.43 0.70 0.00	44.63 0.66 0.00
MILLIKEN___2 23585	39.00 0.42 0.00	37.07 0.40 0.00	37.00 0.44 0.00	36.36 0.32 0.00	36.62 0.36 0.00	42.10 0.46 0.00	63.59 1.12 -0.11	83.71 1.31 -0.32	72.54 1.28 -0.37	51.62 0.81 -0.09	45.24 0.67 0.00	42.21 0.54 0.00	41.20 0.53 0.00	42.12 0.50 -0.01	41.39 0.37 0.00	43.30 0.60 0.00	51.62 0.51 0.00	64.80 0.89 0.00	82.84 1.62 -0.10	72.81 1.50 0.05	61.93 1.04 0.00	51.39 0.96 0.00	47.43 0.70 0.00	44.63 0.66 0.00
MILLIKEN___DIESEL 23629	39.00 0.42 0.00	37.07 0.40 0.00	37.00 0.44 0.00	36.36 0.32 0.00	36.62 0.36 0.00	42.10 0.46 0.00	63.59 1.12 -0.11	83.71 1.31 -0.32	72.54 1.28 -0.37	51.62 0.81 -0.09	45.24 0.67 0.00	42.21 0.54 0.00	41.20 0.53 0.00	42.12 0.50 -0.01	41.39 0.37 0.00	43.30 0.60 0.00	51.62 0.51 0.00	64.80 0.89 0.00	82.84 1.62 -0.10	72.81 1.50 0.05	61.93 1.04 0.00	51.39 0.96 0.00	47.43 0.70 0.00	44.63 0.66 0.00
MILLSEAT___LFGE 323607	38.22 -0.35 0.00	36.26 -0.40 0.00	36.12 -0.44 0.00	35.71 -0.32 0.00	35.64 -0.62 0.00	40.73 -0.92 0.00	60.61 -1.75 0.00	78.31 -3.77 0.00	69.06 -1.84 0.00	50.36 -0.35 0.00	44.53 -0.04 0.00	41.54 -0.12 0.00	40.83 0.16 0.00	41.41 -0.21 0.00	40.86 -0.16 0.00	42.28 -0.43 0.00	49.27 -1.84 0.00	61.80 -2.11 0.00	78.40 -2.52 0.21	69.38 -1.92 0.05	59.01 -1.89 0.00	50.02 -0.41 0.00	46.12 -0.61 0.00	43.22 -0.75 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	40.62 2.04 0.00	38.50 1.83 0.00	38.32 1.75 0.00	37.72 1.69 0.00	37.99 1.74 0.00	43.77 2.12 0.00	65.54 3.18 0.00	87.01 4.92 0.00	74.87 3.97 0.00	53.68 2.94 -0.03	47.20 2.63 0.00	44.12 2.46 0.00	43.19 2.52 0.00	44.32 2.71 0.00	43.73 2.71 0.00	45.36 2.65 0.00	54.32 3.17 -0.04	67.61 3.71 0.00	86.10 5.03 0.05	75.48 4.14 0.01	63.64 2.74 0.00	52.65 2.22 0.00	48.88 2.15 0.00	45.99 2.02 0.00
MILLWOOD_13_KV_LOAD 356217	40.69 2.12 0.00	38.61 1.94 0.00	38.39 1.83 0.00	37.83 1.80 0.00	38.07 1.81 0.00	43.85 2.21 0.00	65.67 3.31 0.00	87.17 5.09 0.00	75.09 4.18 0.00	53.83 3.09 -0.03	47.29 2.72 0.00	44.21 2.54 0.00	43.28 2.60 0.00	44.41 2.79 0.00	43.82 2.79 0.00	45.44 2.73 0.00	54.47 3.32 -0.04	67.74 3.83 0.00	86.35 5.27 0.05	75.63 4.28 0.01	63.76 2.86 0.00	52.75 2.32 0.00	48.97 2.24 0.00	46.08 2.11 0.00
MODEL_CITY_ENERGY 24167	37.34 -1.24 0.00	35.42 -1.25 0.00	35.21 -1.35 0.00	34.84 -1.19 0.00	34.73 -1.52 0.00	39.69 -1.96 0.00	58.55 -3.81 0.00	75.27 -6.81 0.00	66.65 -4.25 0.00	48.99 -1.72 0.00	43.37 -1.20 0.00	40.50 -1.17 0.00	39.81 -0.86 0.00	40.41 -1.21 0.00	39.83 -1.19 0.00	41.30 -1.41 0.00	47.79 -3.32 0.00	59.88 -4.02 0.00	75.89 -5.03 0.20	67.16 -4.14 0.05	57.12 -3.78 0.00	48.56 -1.86 0.00	44.81 -1.92 0.00	42.17 -1.80 0.00
MODERN_LFGE___ 323580	37.34 -1.24 0.00	35.42 -1.25 0.00	35.21 -1.35 0.00	34.84 -1.19 0.00	34.73 -1.52 0.00	39.69 -1.96 0.00	58.55 -3.81 0.00	75.27 -6.81 0.00	66.65 -4.25 0.00	48.99 -1.72 0.00	43.37 -1.20 0.00	40.50 -1.17 0.00	39.81 -0.86 0.00	40.41 -1.21 0.00	39.83 -1.19 0.00	41.30 -1.41 0.00	47.79 -3.32 0.00	59.88 -4.02 0.00	75.89 -5.03 0.20	67.16 -4.14 0.05	57.12 -3.78 0.00	48.56 -1.86 0.00	44.81 -1.92 0.00	42.17 -1.80 0.00
MOHAWK_PAPER___DRP 24187	39.19 0.62 0.00	37.32 0.66 0.00	37.18 0.62 0.00	36.68 0.65 0.00	36.91 0.65 0.00	42.43 0.79 0.00	63.42 1.06 0.00	83.48 1.40 0.00	71.82 0.92 0.00	51.01 0.30 0.00	44.70 0.13 0.00	41.83 0.17 0.00	40.83 0.16 0.00	41.87 0.25 0.00	41.43 0.41 0.00	43.09 0.38 0.00	52.08 0.97 0.00	65.31 1.41 0.00	82.71 1.62 0.03	72.35 1.00 0.01	61.93 1.04 0.00	50.98 0.55 0.00	47.29 0.56 0.00	44.59 0.62 0.00
MOHICAN___35_KV_115KV_LD 80490	39.69 1.12 0.00	37.73 1.06 0.00	37.66 1.10 0.00	37.18 1.15 0.00	37.41 1.16 0.00	43.06 1.42 0.00	64.85 2.49 0.00	85.20 3.12 0.00	73.31 2.41 0.00	51.57 0.86 0.00	45.11 0.53 0.00	42.08 0.42 0.00	41.04 0.37 0.00	42.07 0.46 0.00	41.64 0.62 0.00	43.43 0.73 0.00	52.64 1.53 0.00	66.40 2.49 0.00	84.33 3.24 0.03	73.70 2.35 0.01	62.97 2.07 0.00	51.79 1.36 0.00	48.08 1.36 0.00	45.29 1.32 0.00
MONGAUP___HYD 23641	40.62 2.04 0.00	38.50 1.83 0.00	38.32 1.75 0.00	37.76 1.73 0.00	37.99 1.74 0.00	43.81 2.16 0.00	65.79 3.43 0.00	86.92 4.84 0.00	74.59 3.68 0.00	53.11 2.38 -0.01	46.53 1.96 0.00	43.50 1.83 0.00	42.54 1.87 0.00	43.61 2.00 0.00	43.03 2.01 0.00	44.80 2.09 0.00	53.78 2.66 -0.02	67.42 3.51 0.00	86.10 5.03 0.05	75.77 4.43 0.01	63.94 3.04 0.00	53.05 2.62 0.00	49.06 2.34 0.00	46.21 2.24 0.00
MONTAUK___DIESEL 23721	39.49 0.93 0.00	37.32 0.66 0.00	37.40 0.84 0.00	36.86 0.83 0.00	37.27 1.02 0.00	43.35 1.71 0.00	56.25 2.06 8.17	67.06 4.02 19.04	67.60 3.40 6.71	53.22 3.09 0.59	47.51 2.94 0.00	36.33 2.21 7.54	33.82 2.36 9.21	32.96 2.50 11.15	33.15 2.50 10.38	36.81 2.22 8.11	53.13 3.02 1.00	64.13 2.88 2.65	67.13 3.89 17.88	70.09 3.21 4.48	63.20 2.31 0.02	51.70 1.41 0.14	47.69 0.98 0.02	45.81 1.85 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	38.84 0.27 0.00	36.88 0.22 0.00	36.60 0.04 0.00	35.89 -0.14 0.00	36.00 -0.25 0.00	41.31 -0.33 0.00	61.86 -0.50 0.00	79.95 -2.13 0.00	70.19 -0.71 0.00	51.17 0.46 0.00	45.06 0.49 0.00	42.04 0.37 0.00	41.08 0.41 0.00	41.78 0.17 0.00	40.74 -0.29 0.00	42.53 -0.17 0.00	49.17 -1.94 0.00	62.05 -1.85 0.00	79.54 -1.38 0.20	70.38 -0.93 0.05	59.86 -1.04 0.00	50.73 0.30 0.00	46.49 -0.23 0.00	43.88 -0.09 0.00



MORRIS_RIDGE___SOLAR 323848	38.19 -0.39 0.00	36.26 -0.40 0.00	36.08 -0.48 0.00	35.60 -0.43 0.00	35.60 -0.65 0.00	40.73 -0.92 0.00	60.86 -1.50 0.00	78.96 -3.12 0.00	69.13 -1.77 0.00	50.20 -0.51 0.00	44.13 -0.45 0.00	41.08 -0.58 0.00	40.30 -0.37 0.00	41.03 -0.58 0.00	40.37 -0.66 0.00	42.11 -0.60 0.00	49.32 -1.79 0.00	62.24 -1.66 0.00	79.38 -1.54 0.20	70.09 -1.21 0.05	59.56 -1.34 0.00	50.08 -0.35 0.00	46.17 -0.56 0.00	43.49 -0.48 0.00
MORTIMER_115KV_TB3 55949	38.23 -0.35 0.00	36.26 -0.40 0.00	36.20 -0.37 0.00	35.56 -0.47 0.00	35.78 -0.47 0.00	41.02 -0.62 0.00	61.36 -1.00 0.00	80.03 -2.05 0.00	70.05 -0.85 0.00	50.51 -0.20 0.00	44.62 0.04 0.00	41.62 -0.04 0.00	40.83 0.16 0.00	41.53 -0.08 0.00	40.82 -0.21 0.00	42.45 -0.26 0.00	50.09 -1.02 0.00	62.69 -1.21 0.00	79.61 -1.30 0.21	70.30 -1.00 0.05	59.86 -1.04 0.00	50.23 -0.20 0.00	46.17 -0.56 0.00	43.44 -0.53 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	40.89 2.31 0.00	38.72 2.05 0.00	38.50 1.94 0.00	37.90 1.87 0.00	38.14 1.89 0.00	44.02 2.37 0.00	65.85 3.49 0.00	87.59 5.50 -0.01	75.30 4.40 0.00	54.12 3.35 -0.06	47.56 2.99 -0.01	44.46 2.79 -0.01	43.52 2.85 -0.01	44.66 3.04 -0.01	44.07 3.04 -0.01	45.66 2.95 -0.01	54.79 3.58 -0.10	68.00 4.09 0.00	86.59 5.52 0.05	75.84 4.50 0.01	63.94 3.04 0.00	52.95 2.52 0.00	49.16 2.43 0.00	46.26 2.29 0.00
MUNSVILLE_WIND_PWR 323609	40.77 2.20 0.00	39.01 2.35 0.00	38.87 2.30 0.00	38.08 2.05 0.00	38.50 2.25 0.00	44.18 2.54 0.00	67.29 4.93 0.00	88.81 6.73 0.00	76.72 5.82 0.00	54.00 3.29 0.00	47.34 2.76 0.00	44.12 2.46 0.00	42.86 2.19 0.00	43.53 1.92 0.00	42.75 1.72 0.00	44.92 2.22 0.00	54.02 2.91 0.00	68.00 4.09 0.00	86.80 5.84 0.16	77.31 5.99 0.04	65.34 4.44 0.00	54.36 3.94 0.00	50.14 3.41 0.00	46.87 2.90 0.00
N SALMON___HYD 24042	39.46 0.89 0.00	37.51 0.84 0.00	37.33 0.77 0.00	36.93 0.90 0.00	37.05 0.80 0.00	42.64 1.00 0.00	63.54 1.18 0.00	83.39 1.31 0.00	72.32 1.42 0.00	52.08 1.37 0.00	45.91 1.34 0.00	45.54 3.88 0.00	44.01 3.34 0.00	44.99 3.37 -0.01	44.18 3.16 0.00	43.51 0.81 0.00	51.77 0.66 0.00	64.74 0.83 0.00	81.69 0.57 0.00	72.35 1.00 0.00	62.54 1.64 0.00	51.69 1.26 0.00	48.18 1.45 0.00	45.16 1.19 0.00
N.AKRON___115KV_KNAPP 355671	38.19 -0.39 0.00	36.19 -0.48 0.00	36.09 -0.48 0.00	35.38 -0.65 0.00	35.56 -0.69 0.00	40.64 -1.00 0.00	60.43 -1.93 0.00	77.98 -4.10 0.00	68.92 -1.99 0.00	50.30 -0.41 0.00	44.48 -0.09 0.00	41.46 -0.21 0.00	40.79 0.12 0.00	41.37 -0.25 0.00	40.49 -0.53 0.00	42.24 -0.47 0.00	48.96 -2.15 0.00	61.35 -2.56 0.00	78.24 -2.68 0.21	69.23 -2.07 0.05	58.83 -2.07 0.00	49.92 -0.50 0.00	45.75 -0.98 0.00	43.18 -0.79 0.00
N.E_GEN_SANDY PD 24062	39.38 0.81 0.00	37.47 0.81 0.00	37.33 0.77 0.00	36.75 0.72 0.00	37.09 0.83 0.00	42.60 0.96 0.00	63.48 1.12 0.00	83.56 1.48 0.00	71.68 0.78 0.00	51.02 0.31 0.00	44.57 0.00 0.00	41.79 0.13 0.00	40.67 0.00 0.00	41.82 0.21 0.00	41.35 0.33 0.00	43.13 0.43 0.00	52.35 1.28 0.03	65.85 1.92 -0.03	83.19 2.11 0.04	72.70 1.35 0.01	62.42 1.52 0.00	51.35 0.65 -0.26	47.12 0.65 0.26	44.76 0.79 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	40.66 2.08 0.00	38.53 1.87 0.00	38.35 1.79 0.00	37.76 1.73 0.00	37.99 1.74 0.00	43.81 2.17 0.00	65.79 3.43 0.00	87.42 5.34 0.00	75.16 4.25 -0.02	53.82 3.09 0.00	47.34 2.76 0.00	44.25 2.58 0.00	43.32 2.64 0.00	44.41 2.79 0.00	43.81 2.79 0.00	45.44 2.73 0.00	54.36 3.22 -0.03	67.74 3.83 0.00	86.26 5.19 0.05	75.63 4.28 0.01	63.76 2.86 0.00	52.80 2.37 0.00	48.97 2.24 0.00	46.08 2.11 0.00
N.QUEENS_27_KV_LOAD 356247	41.36 2.78 -0.01	39.20 2.53 -0.01	38.98 2.41 -0.01	38.42 2.38 -0.01	38.65 2.39 -0.01	44.52 2.87 -0.01	66.80 4.43 -0.01	88.33 6.24 -0.01	75.51 4.61 0.00	54.41 3.65 -0.05	47.91 3.34 0.00	44.83 3.17 0.00	43.88 3.21 0.00	45.03 3.41 0.00	44.43 3.40 0.00	46.03 3.33 0.00	55.18 3.99 -0.09	68.38 4.47 0.00	87.16 6.08 0.05	76.20 4.85 0.01	64.06 3.17 0.00	53.60 3.18 0.00	49.59 2.85 -0.01	46.70 2.73 -0.01
N.TROY___115KV_TB1 355778	39.38 0.81 0.00	37.47 0.81 0.00	37.37 0.80 0.00	36.86 0.83 0.00	37.09 0.83 0.00	42.64 1.00 0.00	63.73 1.37 0.00	83.89 1.81 0.00	72.11 1.21 0.00	51.22 0.51 0.00	44.79 0.22 0.00	41.96 0.29 0.00	40.87 0.20 0.00	41.99 0.37 0.00	41.52 0.49 0.00	43.26 0.56 0.00	52.39 1.28 0.00	65.76 1.85 0.00	83.28 2.19 0.03	72.85 1.50 0.01	62.42 1.52 0.00	51.23 0.81 0.00	47.52 0.79 0.00	44.85 0.88 0.00
NARROWS_GT1_1 24228	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
NARROWS_GT1_2 24229	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
NARROWS_GT1_3 24230	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
NARROWS_GT1_4 24231	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
NARROWS_GT1_5 24232	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01



NARROWS_GT1_6 24233	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
NARROWS_GT1_7 24234	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
NARROWS_GT1_8 24235	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
NARROWS_GT2_1 24236	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
NARROWS_GT2_2 24237	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
NARROWS_GT2_3 24238	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
NARROWS_GT2_4 24239	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
NARROWS_GT2_5 24240	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
NARROWS_GT2_6 24241	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
NARROWS_GT2_7 24242	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
NARROWS_GT2_8 24243	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	39.46 0.89 0.00	37.62 0.95 0.00	37.44 0.88 0.00	36.97 0.94 0.00	37.78 1.52 0.00	43.48 1.83 0.00	65.60 3.24 0.00	86.02 3.94 0.00	73.45 2.55 0.00	51.52 0.81 0.00	44.84 0.27 0.00	41.83 0.17 0.00	40.83 0.16 0.00	41.82 0.21 0.00	41.39 0.37 0.00	43.30 0.60 0.00	51.93 0.82 0.00	65.57 1.66 0.00	83.35 2.27 0.04	73.06 1.71 0.01	62.36 1.46 0.00	51.49 1.06 0.00	47.71 0.98 0.00	45.03 1.06 0.00
NCHELSEA_115KV_TR2 355582	40.58 2.01 0.00	38.50 1.83 0.00	38.32 1.75 0.00	37.76 1.73 0.00	37.99 1.74 0.00	43.77 2.12 0.00	65.67 3.31 0.00	87.01 4.92 0.00	74.87 3.97 0.00	53.40 2.69 0.00	46.89 2.32 0.00	43.83 2.17 0.00	42.87 2.20 0.00	43.95 2.33 0.00	43.40 2.38 0.00	45.10 2.39 0.00	54.07 2.96 0.00	67.55 3.64 0.00	86.10 5.03 0.05	75.48 4.14 0.01	63.88 2.98 0.00	52.90 2.47 0.00	49.06 2.34 0.00	46.17 2.20 0.00
NEG CAPITAL___MECHNVIL 23645	39.81 1.23 0.00	37.84 1.17 0.00	37.73 1.17 0.00	37.18 1.15 0.00	37.45 1.19 0.00	43.10 1.46 0.00	64.73 2.37 0.00	85.12 3.04 0.00	73.24 2.34 0.00	51.82 1.11 0.00	45.28 0.71 0.00	42.33 0.66 0.00	41.28 0.61 0.00	42.37 0.75 0.00	41.84 0.82 0.00	43.69 0.98 0.00	52.85 1.74 0.00	66.53 2.62 0.00	84.41 3.33 0.03	73.84 2.50 0.01	63.09 2.19 0.00	51.89 1.46 0.00	48.13 1.40 0.00	45.38 1.41 0.00
NEG CENTRAL_HIGH_ACRES 23767	37.45 -1.12 0.00	35.57 -1.10 0.00	35.50 -1.06 0.00	35.02 -1.01 0.00	35.13 -1.12 0.00	40.27 -1.37 0.00	60.59 -1.87 -0.10	79.42 -2.95 -0.30	69.33 -1.91 -0.34	49.73 -1.07 -0.09	43.81 -0.76 0.00	40.87 -0.79 0.00	40.06 -0.61 0.00	40.79 -0.83 -0.01	40.20 -0.82 0.00	41.72 -0.98 0.00	49.42 -1.69 0.00	61.86 -2.05 0.00	78.66 -2.52 -0.06	69.23 -2.07 0.05	58.95 -1.95 0.00	49.27 -1.16 0.00	45.42 -1.31 0.00	42.65 -1.32 0.00



NEG CENTRAL___DRP 24199	38.53 -0.04 0.00	36.59 -0.07 0.00	36.52 -0.04 0.00	35.89 -0.14 0.00	36.14 -0.11 0.00	41.56 -0.08 0.00	62.72 0.12 -0.24	82.54 -0.25 -0.71	71.92 0.21 -0.81	51.17 0.25 -0.21	44.84 0.27 -0.01	41.83 0.17 0.00	40.91 0.24 0.00	41.80 0.17 -0.02	41.02 0.00 0.00	42.88 0.17 0.00	50.80 -0.31 0.00	63.78 -0.13 0.00	81.74 0.16 -0.46	71.60 0.29 0.04	60.90 0.00 0.00	50.63 0.20 0.00	46.77 0.05 0.00	44.06 0.09 0.00
NEG CENTRAL___INDECK 23768	39.30 0.73 0.00	37.29 0.62 0.00	37.25 0.69 0.00	36.75 0.72 0.00	36.80 0.54 0.00	42.18 0.54 0.00	63.54 1.18 0.00	82.82 0.74 0.00	72.11 1.20 0.00	51.72 1.01 0.00	45.42 0.84 0.00	42.25 0.58 0.00	41.40 0.73 0.00	42.16 0.54 0.00	41.52 0.49 0.00	43.35 0.64 0.00	51.21 0.10 0.00	64.68 0.77 0.00	82.63 1.71 0.20	73.09 1.78 0.05	62.12 1.22 0.00	52.09 1.66 0.00	47.94 1.21 0.00	44.90 0.92 0.00
NEG CENTRAL___SENECA 23627	38.73 0.15 0.00	36.77 0.11 0.00	36.71 0.15 0.00	36.07 0.04 0.00	36.29 0.04 0.00	41.73 0.08 0.00	62.81 0.31 -0.14	82.33 -0.16 -0.42	71.80 0.43 -0.47	51.29 0.46 -0.12	45.11 0.53 0.00	42.08 0.42 0.00	41.16 0.49 0.00	42.00 0.37 -0.01	41.19 0.16 0.00	43.09 0.38 0.00	50.85 -0.26 0.00	63.91 0.00 0.00	81.54 0.24 -0.18	71.88 0.57 0.05	61.08 0.18 0.00	50.88 0.45 0.00	47.01 0.28 0.00	44.28 0.31 0.00
NEG CENTRAL___STATE_STREET 24147	38.38 -0.19 0.00	36.48 -0.18 0.00	36.41 -0.15 0.00	35.82 -0.22 0.00	36.04 -0.22 0.00	41.48 -0.17 0.00	62.78 0.12 -0.29	82.95 0.00 -0.87	72.04 0.14 -1.00	51.07 0.10 -0.26	44.67 0.09 -0.01	41.71 0.04 0.00	40.75 0.08 0.00	41.68 0.04 -0.02	40.94 -0.08 0.00	42.75 0.04 0.00	50.95 -0.15 0.00	63.91 0.00 0.00	82.06 0.32 -0.61	71.68 0.36 0.04	60.96 0.06 0.00	50.63 0.20 0.00	46.73 0.00 0.00	43.97 0.00 0.00
NEG MILLWOOD___DRP 24198	40.73 2.16 0.00	38.68 2.02 0.00	38.50 1.94 0.00	37.94 1.91 0.00	38.18 1.92 0.00	43.93 2.29 0.00	65.91 3.55 0.00	87.33 5.25 0.00	75.37 4.47 0.00	53.75 3.04 0.00	47.25 2.67 0.00	44.08 2.42 0.00	43.19 2.52 0.00	44.28 2.66 0.00	43.73 2.71 0.00	45.40 2.69 0.00	54.43 3.32 0.00	67.74 3.83 0.00	86.51 5.44 0.04	75.77 4.42 0.01	64.06 3.17 0.00	53.00 2.57 0.00	49.20 2.48 0.00	46.21 2.24 0.00
NEG NORTH_FLCN_SEA 23793	39.04 0.46 0.00	37.14 0.48 0.00	36.96 0.40 0.00	36.57 0.54 0.00	36.72 0.47 0.00	42.23 0.58 0.00	62.55 0.19 0.00	82.16 0.08 0.00	71.19 0.28 0.00	51.22 0.51 0.00	45.42 0.85 0.00	42.33 0.67 0.00	41.20 0.53 0.00	42.12 0.50 0.00	41.52 0.49 0.00	43.22 0.51 0.00	51.21 0.10 0.00	64.10 0.19 0.00	80.88 -0.24 0.00	71.71 0.36 0.00	61.45 0.55 0.00	50.78 0.35 0.00	47.52 0.79 0.00	44.59 0.62 0.00
NEG NORTH_KES_CHATEGAY 23792	38.96 0.39 0.00	37.07 0.40 0.00	36.93 0.37 0.00	36.50 0.47 0.00	36.69 0.44 0.00	42.18 0.54 0.00	62.80 0.44 0.00	82.49 0.41 0.00	71.40 0.50 0.00	51.32 0.61 0.00	45.24 0.67 0.00	42.04 0.37 0.00	40.95 0.28 0.00	41.87 0.25 0.00	41.27 0.25 0.00	43.05 0.34 0.00	51.36 0.26 0.00	64.29 0.38 0.00	81.20 0.08 0.00	71.93 0.57 0.00	61.63 0.73 0.00	50.93 0.50 0.00	47.43 0.70 0.00	44.54 0.57 0.00
NEG NORTH___ALICE_FALLS 23915	39.23 0.66 0.00	37.29 0.62 0.00	37.11 0.55 0.00	36.72 0.68 0.00	36.87 0.62 0.00	42.39 0.75 0.00	62.98 0.62 0.00	82.65 0.57 0.00	71.61 0.71 0.00	51.57 0.86 0.00	45.60 1.03 0.00	42.45 0.79 0.00	41.28 0.61 0.00	42.24 0.62 0.00	41.60 0.57 0.00	43.35 0.64 0.00	51.57 0.46 0.00	64.55 0.64 0.00	81.44 0.32 0.00	72.28 0.93 0.00	61.99 1.10 0.00	51.18 0.76 0.00	47.80 1.07 0.00	44.85 0.88 0.00
NEG NORTH___LWR_SARANAC 23913	39.23 0.66 0.00	37.29 0.62 0.00	37.11 0.55 0.00	36.72 0.68 0.00	36.87 0.62 0.00	42.39 0.75 0.00	62.98 0.62 0.00	82.65 0.57 0.00	71.61 0.71 0.00	51.57 0.86 0.00	45.60 1.03 0.00	42.45 0.79 0.00	41.28 0.61 0.00	42.24 0.62 0.00	41.60 0.57 0.00	43.35 0.64 0.00	51.57 0.46 0.00	64.55 0.64 0.00	81.44 0.32 0.00	72.28 0.93 0.00	61.99 1.10 0.00	51.18 0.76 0.00	47.80 1.07 0.00	44.85 0.88 0.00
NEG NORTH___PLATTSBURG 23628	39.23 0.66 0.00	37.29 0.62 0.00	37.11 0.55 0.00	36.71 0.68 0.00	36.87 0.62 0.00	42.39 0.75 0.00	62.98 0.62 0.00	82.66 0.58 0.00	71.61 0.71 0.00	51.57 0.86 0.00	45.60 1.03 0.00	42.45 0.79 0.00	41.28 0.61 0.00	42.24 0.63 0.00	41.60 0.57 0.00	43.35 0.64 0.00	51.57 0.46 0.00	64.55 0.64 0.00	81.45 0.33 0.00	71.92 0.57 0.00	62.00 1.10 0.00	51.19 0.76 0.00	47.80 1.08 0.00	44.85 0.88 0.00
NEG WEST_LEA_LOCKPORT 23791	37.69 -0.89 0.00	35.75 -0.92 0.00	35.57 -0.99 0.00	34.88 -1.15 0.00	35.02 -1.23 0.00	40.06 -1.58 0.00	59.18 -3.18 0.00	76.09 -5.99 0.00	67.43 -3.47 0.00	49.49 -1.22 0.00	43.81 -0.76 0.00	40.91 -0.75 0.00	40.22 -0.45 0.00	40.83 -0.79 0.00	39.92 -1.11 0.00	41.68 -1.02 0.00	48.09 -3.02 0.00	60.20 -3.71 0.00	76.70 -4.22 0.20	67.88 -3.43 0.05	57.73 -3.17 0.00	49.07 -1.36 0.00	44.95 -1.78 0.00	42.61 -1.36 0.00
NEG WEST___LANCASTR 23811	37.38 -1.20 0.00	35.53 -1.14 0.00	35.28 -1.28 0.00	34.63 -1.41 0.00	34.77 -1.49 0.00	39.85 -1.79 0.00	59.55 -2.81 0.00	76.99 -5.09 0.00	67.71 -3.19 0.00	49.44 -1.27 0.00	43.63 -0.94 0.00	40.75 -0.92 0.00	39.98 -0.69 0.00	40.70 -0.92 0.00	39.75 -1.27 0.00	41.51 -1.20 0.00	48.09 -3.02 0.00	60.52 -3.39 0.00	77.27 -3.65 0.20	68.31 -3.00 0.05	57.97 -2.92 0.00	49.02 -1.41 0.00	44.91 -1.82 0.00	42.34 -1.63 0.00
NEG_PENN_ALLEGHNY 23528	38.92 0.35 0.00	36.96 0.29 0.00	36.85 0.29 0.00	36.32 0.29 0.00	36.47 0.22 0.00	41.89 0.25 0.00	62.98 0.62 0.00	82.66 0.58 0.00	71.61 0.71 0.00	51.42 0.71 0.00	45.24 0.67 0.00	42.25 0.58 0.00	41.28 0.61 0.00	42.20 0.58 0.00	41.48 0.45 0.00	43.30 0.60 0.00	51.42 0.31 0.00	64.42 0.51 0.00	81.92 0.98 0.18	72.23 0.93 0.05	61.38 0.48 0.00	51.04 0.61 0.00	47.15 0.42 0.00	44.41 0.44 0.00
NEG___GEN_MONROE 24207	38.46 -0.12 0.00	36.48 -0.18 0.00	36.41 -0.15 0.00	35.74 -0.29 0.00	35.96 -0.29 0.00	41.18 -0.46 0.00	61.61 -0.75 0.00	80.03 -2.05 0.00	70.12 -0.78 0.00	50.66 -0.05 0.00	44.70 0.13 0.00	41.71 0.04 0.00	40.87 0.20 0.00	41.57 -0.04 0.00	40.78 -0.25 0.00	42.41 -0.30 0.00	49.83 -1.28 0.00	62.37 -1.53 0.00	79.29 -1.62 0.21	70.16 -1.14 0.05	59.74 -1.16 0.00	50.23 -0.20 0.00	46.21 -0.51 0.00	43.57 -0.40 0.00
NEPA___ENERGY 23901	38.34 -0.23 0.00	36.41 -0.26 0.00	36.20 -0.37 0.00	35.53 -0.50 0.00	35.67 -0.58 0.00	40.89 -0.75 0.00	61.11 -1.25 0.00	78.88 -3.20 0.00	69.27 -1.63 0.00	50.51 -0.20 0.00	44.62 0.04 0.00	41.62 -0.04 0.00	40.79 0.12 0.00	41.53 -0.08 0.00	40.57 -0.45 0.00	42.36 -0.34 0.00	49.11 -1.99 0.00	61.86 -2.05 0.00	79.05 -1.87 0.20	69.88 -1.43 0.05	59.31 -1.58 0.00	50.13 -0.30 0.00	45.93 -0.79 0.00	43.44 -0.53 0.00



NEVERSINK___HYD 23608	40.85 2.28 0.00	38.75 2.09 0.00	38.61 2.05 0.00	38.01 1.98 0.00	38.28 2.03 0.00	44.10 2.46 0.00	66.35 3.99 0.00	87.74 5.66 0.00	75.44 4.54 0.00	53.70 2.99 0.00	47.07 2.49 0.00	44.00 2.33 0.00	43.03 2.36 0.00	44.07 2.45 0.00	43.40 2.38 0.00	45.22 2.52 0.00	54.28 3.17 -0.01	67.93 4.03 0.00	86.75 5.68 0.05	76.34 4.99 0.01	64.37 3.47 0.00	53.50 3.08 0.00	49.44 2.71 0.00	46.52 2.55 0.00
NEWKRMKL_115KV_TB1 55635	38.77 0.19 0.00	36.99 0.33 0.00	36.78 0.22 0.00	36.28 0.25 0.00	36.47 0.22 0.00	41.93 0.29 0.00	62.55 0.19 0.00	82.41 0.33 0.00	70.90 0.00 0.00	50.41 -0.30 0.00	44.26 -0.31 0.00	41.46 -0.21 0.00	40.51 -0.16 0.00	41.49 -0.12 0.00	41.06 0.04 0.00	42.71 0.00 0.00	51.41 0.31 0.00	64.42 0.51 0.00	81.65 0.57 0.03	71.42 0.07 0.01	61.08 0.18 0.00	50.28 -0.15 0.00	46.68 -0.05 0.00	44.06 0.09 0.00
NEWTON___FALLS_HYD 23847	39.34 0.77 0.00	37.43 0.77 0.00	37.26 0.69 0.00	36.72 0.68 0.00	37.01 0.76 0.00	42.39 0.75 0.00	64.01 1.50 -0.15	84.33 1.81 -0.44	72.90 1.49 -0.51	51.55 0.71 -0.13	45.24 0.67 0.00	42.62 0.96 0.00	41.61 0.94 0.00	42.46 0.83 -0.01	41.76 0.74 0.00	42.96 0.26 0.00	51.06 -0.05 0.00	63.91 0.00 0.00	81.58 0.08 -0.38	72.50 1.14 0.00	62.12 1.22 0.00	51.79 1.36 0.00	48.18 1.45 0.00	45.11 1.14 0.00
NGRID_A1_DSASP 323792	37.65 -0.93 0.00	35.68 -0.99 0.00	35.50 -1.06 0.00	35.20 -0.83 0.00	35.06 -1.20 0.00	39.81 -1.83 0.00	58.43 -3.93 0.00	75.02 -7.06 0.00	66.44 -4.46 0.00	48.99 -1.72 0.00	43.37 -1.20 0.00	40.54 -1.12 0.00	39.86 -0.81 0.00	40.45 -1.16 0.00	39.87 -1.15 0.00	41.30 -1.41 0.00	47.79 -3.32 0.00	59.75 -4.15 0.00	75.64 -5.27 0.20	66.88 -4.42 0.05	56.94 -3.96 0.00	48.41 -2.02 0.00	44.72 -2.01 0.00	42.25 -1.72 0.00
NGRID_A2_DSASP 323793	37.65 -0.93 0.00	35.68 -0.99 0.00	35.50 -1.06 0.00	35.20 -0.83 0.00	35.06 -1.20 0.00	39.81 -1.83 0.00	58.43 -3.93 0.00	75.02 -7.06 0.00	66.44 -4.46 0.00	48.99 -1.72 0.00	43.37 -1.20 0.00	40.54 -1.12 0.00	39.86 -0.81 0.00	40.45 -1.16 0.00	39.87 -1.15 0.00	41.30 -1.41 0.00	47.79 -3.32 0.00	59.75 -4.15 0.00	75.64 -5.27 0.20	66.88 -4.42 0.05	56.94 -3.96 0.00	48.41 -2.02 0.00	44.72 -2.01 0.00	42.25 -1.72 0.00
NGRID_A4_DSASP 323807	37.65 -0.93 0.00	35.68 -0.99 0.00	35.50 -1.06 0.00	35.20 -0.83 0.00	35.06 -1.20 0.00	39.81 -1.83 0.00	58.43 -3.93 0.00	75.02 -7.06 0.00	66.44 -4.46 0.00	48.99 -1.72 0.00	43.37 -1.20 0.00	40.54 -1.12 0.00	39.86 -0.81 0.00	40.45 -1.16 0.00	39.87 -1.15 0.00	41.30 -1.41 0.00	47.79 -3.32 0.00	59.75 -4.15 0.00	75.64 -5.27 0.20	66.88 -4.42 0.05	56.94 -3.96 0.00	48.41 -2.02 0.00	44.72 -2.01 0.00	42.25 -1.72 0.00
NIAGARA_115E_LBMP 323715	37.15 -1.43 0.00	35.23 -1.43 0.00	35.03 -1.53 0.00	34.66 -1.37 0.00	34.55 -1.70 0.00	39.48 -2.17 0.00	58.18 -4.18 0.00	74.77 -7.31 0.00	66.22 -4.68 0.00	48.73 -1.98 0.00	43.14 -1.43 0.00	40.29 -1.37 0.00	39.61 -1.06 0.00	40.20 -1.42 0.00	39.63 -1.39 0.00	41.08 -1.62 0.00	47.53 -3.58 0.00	59.50 -4.41 0.00	75.40 -5.52 0.20	66.67 -4.64 0.05	56.75 -4.14 0.00	48.26 -2.17 0.00	44.53 -2.20 0.00	41.95 -2.02 0.00
NIAGARA_115W_LBMP 323714	37.53 -1.04 0.00	35.60 -1.06 0.00	35.43 -1.13 0.00	35.13 -0.90 0.00	34.98 -1.27 0.00	39.69 -1.96 0.00	58.18 -4.18 0.00	74.77 -7.31 0.00	66.22 -4.68 0.00	48.78 -1.93 0.00	43.23 -1.34 0.00	40.37 -1.29 0.00	39.69 -0.98 0.00	40.28 -1.33 0.00	39.75 -1.27 0.00	41.17 -1.54 0.00	47.63 -3.48 0.00	59.56 -4.35 0.00	75.48 -5.43 0.20	66.73 -4.57 0.05	56.82 -4.08 0.00	48.31 -2.12 0.00	44.63 -2.10 0.00	42.17 -1.80 0.00
NIAGARA_230_LBMP 323716	37.53 -1.04 0.00	35.60 -1.06 0.00	35.43 -1.13 0.00	35.06 -0.97 0.00	34.95 -1.30 0.00	39.90 -1.75 0.00	58.74 -3.62 0.00	75.51 -6.57 0.00	66.86 -4.04 0.00	49.19 -1.52 0.00	43.59 -0.98 0.00	40.71 -0.96 0.00	39.98 -0.69 0.00	40.58 -1.04 0.00	40.04 -0.98 0.00	41.51 -1.20 0.00	48.04 -3.07 0.00	60.14 -3.77 0.00	76.13 -4.79 0.21	67.38 -3.92 0.05	57.36 -3.53 0.00	48.71 -1.71 0.00	45.00 -1.73 0.00	42.39 -1.58 0.00
NIAGARA___115KV_198_GIBSON 55903	37.53 -1.04 0.00	35.60 -1.06 0.00	35.43 -1.13 0.00	34.73 -1.30 0.00	34.95 -1.31 0.00	39.69 -1.96 0.00	58.18 -4.18 0.00	74.69 -7.39 0.00	66.22 -4.68 0.00	48.78 -1.93 0.00	43.23 -1.34 0.00	40.37 -1.29 0.00	39.73 -0.94 0.00	40.28 -1.33 0.00	39.42 -1.60 0.00	41.17 -1.54 0.00	47.38 -3.73 0.00	59.18 -4.73 0.00	75.40 -5.52 0.20	66.74 -4.57 0.05	56.76 -4.14 0.00	48.31 -2.12 0.00	44.30 -2.43 0.00	42.17 -1.80 0.00
NIAGARA____ 23760	37.53 -1.04 0.00	35.60 -1.06 0.00	35.43 -1.13 0.00	35.06 -0.97 0.00	34.95 -1.30 0.00	39.90 -1.75 0.00	58.74 -3.62 0.00	75.51 -6.57 0.00	66.86 -4.04 0.00	49.19 -1.52 0.00	43.59 -0.98 0.00	40.71 -0.96 0.00	39.98 -0.69 0.00	40.58 -1.04 0.00	40.04 -0.98 0.00	41.51 -1.20 0.00	48.04 -3.07 0.00	60.14 -3.77 0.00	76.13 -4.79 0.20	67.38 -3.92 0.05	57.36 -3.53 0.00	48.71 -1.71 0.00	45.00 -1.73 0.00	42.39 -1.58 0.00
NINE_MILE_1 23575	37.34 -1.24 0.00	35.49 -1.17 0.00	35.39 -1.17 0.00	34.88 -1.15 0.00	35.09 -1.16 0.00	40.31 -1.33 0.00	56.94 -1.93 3.49	69.11 -2.55 10.42	56.89 -2.13 11.89	46.14 -1.47 3.09	43.20 -1.29 0.08	40.45 -1.21 0.00	39.49 -1.18 0.00	40.10 -1.25 0.27	39.79 -1.23 0.00	41.47 -1.24 0.00	49.47 -1.64 0.00	61.92 -1.98 0.00	68.03 -2.43 10.66	68.77 -2.14 0.45	59.01 -1.89 0.00	48.92 -1.51 0.00	45.28 -1.45 0.00	42.61 -1.36 0.00
NINE_MILE_2 23744	37.34 -1.24 0.00	35.49 -1.17 0.00	35.39 -1.17 0.00	34.88 -1.15 0.00	35.09 -1.16 0.00	40.31 -1.33 0.00	56.91 -1.93 3.52	69.02 -2.55 10.52	56.78 -2.13 12.00	46.12 -1.47 3.12	43.20 -1.29 0.08	40.45 -1.21 0.00	39.49 -1.18 0.00	40.09 -1.25 0.28	39.79 -1.23 0.00	41.47 -1.24 0.00	49.52 -1.58 0.00	61.92 -1.98 0.00	67.94 -2.43 10.75	68.77 -2.14 0.45	59.01 -1.89 0.00	48.92 -1.51 0.00	45.28 -1.45 0.00	42.61 -1.36 0.00
NM_CAPITAL___DRP 24208	38.73 0.15 0.00	36.96 0.29 0.00	36.78 0.22 0.00	36.28 0.25 0.00	36.47 0.22 0.00	41.89 0.25 0.00	62.48 0.12 0.00	82.33 0.25 0.00	70.76 -0.14 0.00	50.36 -0.35 0.00	44.21 -0.36 0.00	41.41 -0.25 0.00	40.47 -0.20 0.00	41.45 -0.17 0.00	41.02 0.00 0.00	42.62 -0.09 0.00	51.41 0.31 0.00	64.35 0.45 0.00	81.57 0.49 0.03	71.35 0.00 0.01	61.08 0.18 0.00	50.23 -0.20 0.00	46.68 -0.05 0.00	44.06 0.09 0.00
NM_CENTRAL___DRP 24181	38.03 -0.54 0.00	36.15 -0.51 0.00	36.05 -0.51 0.00	35.49 -0.54 0.00	35.71 -0.54 0.00	41.02 -0.62 0.00	61.79 -0.69 -0.12	81.44 -0.98 -0.34	70.59 -0.71 -0.39	50.36 -0.46 -0.10	44.22 -0.36 0.00	41.29 -0.37 0.00	40.34 -0.33 0.00	41.25 -0.37 -0.01	40.57 -0.45 0.00	42.32 -0.38 0.00	50.44 -0.66 0.00	63.14 -0.77 0.00	80.40 -0.81 -0.10	70.59 -0.71 0.05	60.17 -0.73 0.00	49.92 -0.50 0.00	46.12 -0.61 0.00	43.40 -0.57 0.00



NM_FRONTIER___DRP 24179	37.53 -1.04 0.00	35.60 -1.06 0.00	35.43 -1.13 0.00	34.73 -1.30 0.00	34.95 -1.31 0.00	39.69 -1.96 0.00	58.18 -4.18 0.00	74.69 -7.39 0.00	66.22 -4.68 0.00	48.78 -1.93 0.00	43.23 -1.34 0.00	40.37 -1.29 0.00	39.73 -0.94 0.00	40.28 -1.33 0.00	39.42 -1.60 0.00	41.17 -1.54 0.00	47.38 -3.73 0.00	59.18 -4.73 0.00	75.40 -5.52 0.20	66.74 -4.57 0.05	56.76 -4.14 0.00	48.31 -2.12 0.00	44.30 -2.43 0.00	42.17 -1.80 0.00
NM_ST_REGIS___HYD 24053	39.58 1.00 0.00	37.65 0.99 0.00	37.48 0.91 0.00	37.04 1.01 0.00	37.20 0.94 0.00	42.73 1.08 0.00	63.92 1.56 0.00	83.89 1.81 0.00	72.60 1.70 0.00	52.03 1.32 0.00	45.82 1.25 0.00	43.87 2.21 0.00	42.62 1.95 0.00	43.53 1.91 0.00	42.83 1.81 0.00	43.30 0.60 0.00	51.36 0.26 0.00	64.16 0.26 0.00	81.12 0.00 0.00	72.50 1.14 0.00	62.48 1.58 0.00	51.79 1.36 0.00	48.36 1.64 0.00	45.33 1.36 0.00
NORTHPORT___1 23551	40.15 1.58 0.00	37.87 1.21 0.00	37.69 1.13 0.00	37.04 1.01 0.00	37.30 1.05 0.00	43.18 1.54 0.00	55.27 1.18 8.27	65.09 2.30 19.28	65.81 1.70 6.79	51.79 1.67 0.59	46.30 1.74 0.00	43.58 1.92 0.00	42.74 2.07 0.00	43.94 2.33 0.00	43.31 2.30 0.00	44.67 1.97 0.00	51.94 1.84 1.01	62.95 1.73 2.68	65.61 2.60 18.11	68.89 2.07 4.53	61.85 0.97 0.02	50.99 0.71 0.14	47.41 0.70 0.02	45.19 1.23 0.01
NORTHPORT___2 23552	40.15 1.58 0.00	37.87 1.21 0.00	37.69 1.13 0.00	37.04 1.01 0.00	37.30 1.05 0.00	43.18 1.54 0.00	55.27 1.18 8.27	65.09 2.30 19.28	65.81 1.70 6.79	51.79 1.67 0.59	46.30 1.74 0.00	43.58 1.92 0.00	42.74 2.07 0.00	43.94 2.33 0.00	43.31 2.30 0.00	44.67 1.97 0.00	51.94 1.84 1.01	62.95 1.73 2.68	65.61 2.60 18.11	68.89 2.07 4.53	61.85 0.97 0.02	50.99 0.71 0.14	47.41 0.70 0.02	45.19 1.23 0.01
NORTHPORT___3 23553	40.07 1.50 0.00	37.80 1.14 0.00	37.65 1.10 0.00	36.96 0.94 0.00	37.23 0.98 0.00	43.10 1.46 0.00	55.18 1.06 8.24	65.01 2.13 19.20	65.70 1.56 6.76	51.69 1.57 0.59	46.22 1.65 0.00	43.68 1.83 -0.19	42.93 2.03 -0.23	44.14 2.25 -0.28	43.53 2.25 -0.26	44.78 1.88 -0.20	51.84 1.74 1.01	62.83 1.60 2.67	65.53 2.43 18.03	68.77 1.93 4.51	61.73 0.85 0.02	50.89 0.61 0.14	47.32 0.61 0.02	45.11 1.14 0.01
NORTHPORT___4 23650	40.07 1.50 0.00	37.80 1.14 0.00	37.65 1.10 0.00	36.96 0.94 0.00	37.23 0.98 0.00	43.10 1.46 0.00	55.18 1.06 8.24	65.01 2.13 19.20	65.70 1.56 6.76	51.69 1.57 0.59	46.22 1.65 0.00	43.68 1.83 -0.19	42.93 2.03 -0.23	44.14 2.25 -0.28	43.53 2.25 -0.26	44.78 1.88 -0.20	51.84 1.74 1.01	62.83 1.60 2.67	65.53 2.43 18.03	68.77 1.93 4.51	61.73 0.85 0.02	50.89 0.61 0.14	47.32 0.61 0.02	45.11 1.14 0.01
NORTHPORT___IC 23718	40.15 1.58 0.00	37.87 1.21 0.00	37.69 1.13 0.00	37.08 1.04 0.00	37.34 1.09 0.00	43.18 1.54 0.00	55.34 1.25 8.27	65.26 2.46 19.28	65.88 1.77 6.79	51.84 1.72 0.59	46.44 1.87 0.00	43.58 1.92 0.00	42.74 2.07 0.00	43.94 2.33 0.00	43.44 2.42 0.00	44.75 2.05 0.00	52.09 1.99 1.01	63.08 1.85 2.68	65.69 2.68 18.11	68.75 1.93 4.53	61.86 0.97 0.02	50.94 0.66 0.14	47.41 0.70 0.02	45.59 1.63 0.01
NORTH___COUNTRY_ESR 323785	38.88 0.31 0.00	36.99 0.33 0.00	36.85 0.29 0.00	36.43 0.40 0.00	36.62 0.36 0.00	42.10 0.46 0.00	62.67 0.31 0.00	82.33 0.25 0.00	71.33 0.43 0.00	51.27 0.56 0.00	45.24 0.67 0.00	42.04 0.37 0.00	40.96 0.29 0.00	41.87 0.25 0.00	41.27 0.25 0.00	43.05 0.34 0.00	51.31 0.21 0.00	64.16 0.26 0.00	81.04 -0.08 0.00	71.50 0.14 0.00	61.51 0.61 0.00	50.83 0.40 0.00	47.33 0.61 0.00	44.41 0.44 0.00
NPX_GEN_1385_PROXY 323591	40.03 1.47 0.00	37.80 1.14 0.00	37.65 1.10 0.00	37.00 0.97 0.00	37.26 1.01 0.00	43.10 1.46 0.00	55.34 1.25 8.27	65.18 2.38 19.28	57.77 1.49 14.62	43.39 1.52 8.84	41.93 1.60 4.24	41.54 1.75 1.87	38.88 1.95 3.74	37.56 2.16 6.22	37.00 2.13 6.16	37.88 1.79 6.62	51.75 1.68 1.04	62.79 1.53 2.65	65.37 2.35 18.11	65.69 1.78 7.45	61.48 0.79 0.21	45.38 0.56 5.60	39.06 0.51 8.18	40.16 1.05 4.86
NPX_GEN_CSC 323557	39.57 1.00 0.00	37.28 0.62 0.00	37.18 0.62 0.00	36.53 0.50 0.00	36.80 0.54 0.00	42.60 0.96 0.00	55.06 0.87 8.17	65.16 2.13 19.05	66.03 1.84 6.71	52.20 2.08 0.59	46.57 2.01 0.00	35.47 1.37 7.57	32.94 1.51 9.24	32.18 1.75 11.18	32.30 1.68 10.41	35.94 1.37 8.14	51.97 1.89 1.03	62.76 1.47 2.62	65.17 1.94 17.89	68.52 1.64 4.48	61.98 1.10 0.02	51.16 0.61 -0.12	46.59 0.14 0.28	44.67 0.70 0.00
NSINS_S_GLNS_FALLS 23858	39.65 1.08 0.00	37.69 1.03 0.00	37.62 1.06 0.00	37.15 1.12 0.00	37.34 1.09 0.00	42.98 1.33 0.00	64.73 2.37 0.00	85.04 2.95 0.00	73.17 2.27 0.00	51.52 0.81 0.00	45.02 0.45 0.00	42.00 0.33 0.00	40.95 0.28 0.00	42.03 0.42 0.00	41.56 0.53 0.00	43.39 0.68 0.00	52.54 1.43 0.00	66.27 2.36 0.00	84.17 3.08 0.03	73.56 2.21 0.01	62.85 1.95 0.00	51.69 1.26 0.00	47.99 1.26 0.00	45.20 1.23 0.00
NUCOR_STEEL___DRP 24197	38.46 -0.12 0.00	36.55 -0.11 0.00	36.49 -0.07 0.00	35.89 -0.14 0.00	36.11 -0.15 0.00	41.56 -0.08 0.00	62.86 0.19 -0.32	83.10 0.08 -0.94	72.19 0.21 -1.08	51.19 0.20 -0.28	44.76 0.18 -0.01	41.79 0.12 0.00	40.79 0.12 0.00	41.72 0.08 -0.02	40.98 -0.04 0.00	42.83 0.13 0.00	51.01 -0.10 0.00	63.91 0.00 0.00	82.12 0.32 -0.68	71.61 0.29 0.03	60.96 0.06 0.00	50.63 0.20 0.00	46.73 0.00 0.00	44.01 0.04 0.00
NUMBER_THREE_WT_PWR 323818	39.07 0.50 0.00	37.14 0.48 0.00	37.00 0.44 0.00	36.39 0.36 0.00	36.72 0.47 0.00	42.06 0.42 0.00	63.83 1.31 -0.16	84.69 2.13 -0.48	73.14 1.70 -0.54	51.46 0.61 -0.14	45.07 0.49 0.00	42.25 0.58 0.00	41.20 0.53 0.00	42.04 0.42 -0.01	41.35 0.33 0.00	42.92 0.21 0.00	51.36 0.26 0.00	64.42 0.51 0.00	82.55 1.05 -0.38	73.06 1.71 0.01	62.30 1.40 0.00	51.84 1.41 0.00	48.03 1.31 0.00	44.98 1.01 0.00
NYISO_LBMP_REFERENCE 24008	38.57 0.00 0.00	36.66 0.00 0.00	36.56 0.00 0.00	36.03 0.00 0.00	36.25 0.00 0.00	41.64 0.00 0.00	62.36 0.00 0.00	82.08 0.00 0.00	70.90 0.00 0.00	50.71 0.00 0.00	44.57 0.00 0.00	41.66 0.00 0.00	40.67 0.00 0.00	41.62 0.00 0.00	41.02 0.00 0.00	42.71 0.00 0.00	51.11 0.00 0.00	63.91 0.00 0.00	81.12 0.00 0.00	71.36 0.00 0.00	60.90 0.00 0.00	50.43 0.00 0.00	46.73 0.00 0.00	43.97 0.00 0.00
NYPA_BRENTWD____GT 24164	40.61 2.04 0.00	38.27 1.61 0.00	38.13 1.57 0.00	37.47 1.44 0.00	37.74 1.49 0.00	43.72 2.08 0.00	55.92 1.44 7.88	66.42 2.70 18.36	66.41 1.98 6.47	51.97 1.82 0.57	46.88 2.32 0.00	43.28 2.33 0.71	42.33 2.52 0.87	43.36 2.79 1.05	42.84 2.79 0.98	44.50 2.56 0.76	52.19 2.05 0.96	63.40 2.04 2.55	66.96 3.08 17.24	69.54 2.50 4.32	62.89 2.01 0.01	51.86 1.56 0.14	47.51 0.79 0.01	45.81 1.85 0.00



NYPA_GOWANUS____GT5 24156	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
NYPA_GOWANUS____GT6 24157	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.26 3.50 -0.06	47.88 3.30 -0.01	44.80 3.13 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.32 3.28 -0.01	46.01 3.29 -0.01	54.99 3.78 -0.10	68.25 4.35 0.00	86.99 5.92 0.05	76.26 4.92 0.01	64.06 3.16 0.00	53.35 2.92 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
NYPA_HARLEM__RVR__GT1 24160	41.28 2.70 -0.01	39.13 2.46 -0.01	38.91 2.34 -0.01	38.31 2.27 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.61 4.24 -0.01	88.00 5.91 -0.01	75.29 4.40 0.01	54.20 3.45 -0.04	47.73 3.16 0.00	44.66 3.00 0.00	43.72 3.05 0.00	44.90 3.29 0.00	44.22 3.20 0.00	45.86 3.16 0.00	54.90 3.68 -0.11	68.06 4.15 0.00	86.83 5.76 0.05	76.05 4.71 0.01	63.82 2.92 0.00	53.45 3.03 0.00	49.40 2.66 -0.01	46.62 2.64 -0.01
NYPA_HARLEM__RVR__GT2 24161	41.28 2.70 -0.01	39.13 2.46 -0.01	38.91 2.34 -0.01	38.31 2.27 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.61 4.24 -0.01	88.00 5.91 -0.01	75.29 4.40 0.01	54.20 3.45 -0.04	47.73 3.16 0.00	44.66 3.00 0.00	43.72 3.05 0.00	44.90 3.29 0.00	44.22 3.20 0.00	45.86 3.16 0.00	54.90 3.68 -0.11	68.06 4.15 0.00	86.83 5.76 0.05	76.05 4.71 0.01	63.82 2.92 0.00	53.45 3.03 0.00	49.40 2.66 -0.01	46.62 2.64 -0.01
NYPA_KENT____GT 24152	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.28 2.63 -0.01	66.10 3.74 0.00	87.75 5.66 -0.01	75.37 4.47 0.00	54.26 3.50 -0.06	47.84 3.25 -0.01	44.76 3.08 -0.01	43.82 3.13 -0.01	44.96 3.33 -0.01	44.32 3.28 -0.01	45.96 3.24 -0.01	54.99 3.78 -0.10	68.19 4.28 0.00	86.92 5.84 0.05	76.20 4.85 0.01	64.00 3.10 0.00	53.30 2.87 0.00	49.40 2.66 -0.01	46.53 2.55 -0.01
NYPA_POUCH1____GT 24155	41.09 2.51 -0.01	38.91 2.24 -0.01	38.69 2.12 -0.01	38.06 2.02 -0.01	38.33 2.07 -0.01	44.23 2.58 -0.01	65.91 3.55 0.00	87.42 5.33 -0.01	75.01 4.11 0.00	54.11 3.35 -0.06	47.84 3.25 -0.01	44.76 3.08 -0.01	43.82 3.13 -0.01	44.92 3.29 -0.01	44.28 3.24 -0.01	45.92 3.20 -0.01	54.89 3.68 -0.10	68.06 4.15 0.00	86.83 5.76 0.05	76.05 4.71 0.01	63.88 2.98 0.00	53.30 2.87 0.00	49.40 2.66 -0.01	46.48 2.51 -0.01
NYPA_VERNON____GT2 24162	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.23 2.58 -0.01	66.16 3.80 0.00	87.75 5.66 -0.01	75.44 4.54 0.00	54.32 3.55 -0.06	47.80 3.21 -0.01	44.76 3.08 -0.01	43.82 3.13 -0.01	44.96 3.33 -0.01	44.32 3.28 -0.01	45.92 3.20 -0.01	54.93 3.73 -0.10	68.19 4.28 0.00	86.83 5.76 0.05	76.13 4.78 0.01	64.00 3.10 0.00	53.25 2.82 0.00	49.40 2.66 -0.01	46.53 2.55 -0.01
NYPA_VERNON____GT3 24163	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.23 2.58 -0.01	66.16 3.80 0.00	87.75 5.66 -0.01	75.44 4.54 0.00	54.32 3.55 -0.06	47.80 3.21 -0.01	44.76 3.08 -0.01	43.82 3.13 -0.01	44.96 3.33 -0.01	44.32 3.28 -0.01	45.92 3.20 -0.01	54.93 3.73 -0.10	68.19 4.28 0.00	86.83 5.76 0.05	76.13 4.78 0.01	64.00 3.10 0.00	53.25 2.82 0.00	49.40 2.66 -0.01	46.53 2.55 -0.01
NYPA____ASTORIA_CC1 323568	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.40 2.14 -0.01	44.28 2.63 -0.01	66.16 3.80 0.00	87.75 5.66 -0.01	75.37 4.47 0.00	54.26 3.50 -0.06	47.79 3.21 -0.01	44.72 3.04 -0.01	43.77 3.09 -0.01	44.96 3.33 -0.01	44.28 3.24 -0.01	45.92 3.20 -0.01	54.89 3.68 -0.10	68.12 4.22 0.00	86.75 5.68 0.05	76.05 4.71 0.01	63.94 3.04 0.00	53.25 2.82 0.00	49.40 2.66 -0.01	46.53 2.55 -0.01
NYPA____ASTORIA_CC2 323569	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.09 2.05 -0.01	38.40 2.14 -0.01	44.28 2.63 -0.01	66.16 3.80 0.00	87.75 5.66 -0.01	75.37 4.47 0.00	54.26 3.50 -0.06	47.79 3.21 -0.01	44.72 3.04 -0.01	43.77 3.09 -0.01	44.96 3.33 -0.01	44.28 3.24 -0.01	45.92 3.20 -0.01	54.89 3.68 -0.10	68.12 4.22 0.00	86.75 5.68 0.05	76.05 4.71 0.01	63.94 3.04 0.00	53.25 2.82 0.00	49.40 2.66 -0.01	46.53 2.55 -0.01
NYPA____HOLTSVILL 23794	39.92 1.35 0.00	37.61 0.95 0.00	37.51 0.95 0.00	36.82 0.79 0.00	37.12 0.87 0.00	42.97 1.33 0.00	55.29 1.12 8.19	65.28 1.77 19.10	65.95 1.88 6.73	52.00 1.87 0.59	46.44 1.87 0.00	35.67 1.58 7.57	33.21 1.79 9.24	32.46 2.04 11.19	32.62 2.01 10.41	36.23 1.66 8.14	52.00 1.89 1.00	62.91 1.66 2.66	65.54 2.35 17.93	68.79 1.93 4.49	61.98 1.10 0.02	51.04 0.76 0.14	47.18 0.47 0.02	45.07 1.10 0.00
NYPA____HELLGATE_GT1 24158	41.28 2.70 -0.01	39.13 2.46 -0.01	38.91 2.34 -0.01	38.31 2.27 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.61 4.24 -0.01	88.00 5.91 -0.01	75.29 4.40 0.01	54.22 3.45 -0.06	47.73 3.16 0.00	44.66 3.00 0.00	43.72 3.05 0.00	44.90 3.29 0.00	44.22 3.20 0.00	45.86 3.16 0.00	54.86 3.68 -0.07	68.12 4.22 0.00	86.92 5.84 0.05	76.13 4.78 0.01	63.88 2.98 0.00	53.45 3.03 0.00	49.40 2.66 -0.01	46.62 2.64 -0.01
NYPA____HELLGATE_GT2 24159	41.28 2.70 -0.01	39.13 2.46 -0.01	38.91 2.34 -0.01	38.31 2.27 -0.01	38.58 2.32 -0.01	44.44 2.79 -0.01	66.61 4.24 -0.01	88.00 5.91 -0.01	75.29 4.40 0.01	54.22 3.45 -0.06	47.73 3.16 0.00	44.66 3.00 0.00	43.72 3.05 0.00	44.90 3.29 0.00	44.22 3.20 0.00	45.86 3.16 0.00	54.86 3.68 -0.07	68.12 4.22 0.00	86.92 5.84 0.05	76.13 4.78 0.01	63.88 2.98 0.00	53.45 3.03 0.00	49.40 2.66 -0.01	46.62 2.64 -0.01
NYS_BARGE____HYD 23848	37.69 -0.89 0.00	35.75 -0.92 0.00	35.54 -1.02 0.00	35.17 -0.87 0.00	35.06 -1.20 0.00	40.02 -1.62 0.00	59.18 -3.18 0.00	76.17 -5.91 0.00	67.43 -3.47 0.00	49.49 -1.22 0.00	43.81 -0.76 0.00	40.91 -0.75 0.00	40.18 -0.49 0.00	40.78 -0.83 0.00	40.24 -0.78 0.00	41.68 -1.03 0.00	48.30 -2.81 0.00	60.52 -3.39 0.00	76.69 -4.22 0.20	67.88 -3.42 0.05	57.79 -3.10 0.00	49.07 -1.36 0.00	45.28 -1.45 0.00	42.56 -1.41 0.00
OAK ORCHARD____HYD 24046	38.22 -0.35 0.00	36.26 -0.40 0.00	36.20 -0.37 0.00	35.71 -0.32 0.00	35.78 -0.47 0.00	41.02 -0.62 0.00	61.36 -1.00 0.00	80.11 -1.97 0.00	70.05 -0.85 0.00	50.51 -0.20 0.00	44.66 0.09 0.00	41.62 -0.04 0.00	40.83 0.16 0.00	41.53 -0.08 0.00	40.98 -0.04 0.00	42.45 -0.25 0.00	50.19 -0.92 0.00	62.82 -1.09 0.00	79.61 -1.30 0.21	70.30 -1.00 0.05	59.86 -1.04 0.00	50.23 -0.20 0.00	46.31 -0.42 0.00	43.44 -0.53 0.00



OAKDALE___35_KV_LOAD 356122	38.73 0.15 0.00	36.81 0.15 0.00	36.71 0.15 0.00	36.10 0.07 0.00	36.33 0.07 0.00	41.73 0.08 0.00	62.67 0.31 0.00	82.16 0.08 0.00	71.26 0.35 0.00	51.17 0.46 0.00	44.97 0.40 0.00	42.00 0.33 0.00	41.04 0.37 0.00	41.95 0.33 0.00	41.23 0.21 0.00	43.05 0.34 0.00	51.11 0.00 0.00	64.03 0.13 0.00	81.51 0.57 0.18	71.81 0.50 0.05	61.08 0.18 0.00	50.78 0.35 0.00	46.87 0.14 0.00	44.19 0.22 0.00
OCC_CHEM___DRP 24175	37.61 -0.96 0.00	35.67 -0.99 0.00	35.50 -1.06 0.00	34.81 -1.23 0.00	35.02 -1.23 0.00	39.81 -1.83 0.00	58.43 -3.93 0.00	74.94 -7.14 0.00	66.44 -4.47 0.00	48.99 -1.72 0.00	43.37 -1.20 0.00	40.54 -1.12 0.00	39.86 -0.81 0.00	40.45 -1.17 0.00	39.55 -1.48 0.00	41.30 -1.41 0.00	47.53 -3.58 0.00	59.37 -4.54 0.00	75.56 -5.35 0.20	66.88 -4.42 0.05	56.88 -4.02 0.00	48.41 -2.02 0.00	44.39 -2.34 0.00	42.26 -1.71 0.00
OH_GEN_PROXY 24063	37.53 -1.04 0.00	35.60 -1.06 0.00	35.43 -1.13 0.00	35.06 -0.97 0.00	34.95 -1.30 0.00	39.93 -1.71 0.00	58.87 -3.49 0.00	75.76 -6.32 0.00	67.00 -3.90 0.00	49.24 -1.47 0.00	43.63 -0.94 0.00	40.75 -0.92 0.00	40.02 -0.65 0.00	40.66 -0.96 0.00	40.08 -0.94 0.00	41.55 -1.15 0.00	48.11 -2.97 0.03	60.30 -3.64 -0.03	76.37 -4.54 0.21	67.59 -3.71 0.05	57.55 -3.35 0.00	49.08 -1.62 -0.26	44.78 -1.68 0.26	42.43 -1.54 0.00
OLIN_CORP_DRP 24177	37.22 -1.35 0.00	35.31 -1.36 0.00	35.10 -1.46 0.00	34.45 -1.59 0.00	34.59 -1.67 0.00	39.56 -2.08 0.00	58.31 -4.05 0.00	74.86 -7.22 0.00	66.36 -4.54 0.00	48.83 -1.88 0.00	43.23 -1.34 0.00	40.37 -1.29 0.00	39.69 -0.98 0.00	40.28 -1.33 0.00	39.42 -1.60 0.00	41.17 -1.54 0.00	47.43 -3.68 0.00	59.31 -4.60 0.00	75.56 -5.35 0.20	66.81 -4.50 0.05	56.88 -4.02 0.00	48.36 -2.07 0.00	44.34 -2.38 0.00	42.04 -1.93 0.00
OLIN_CORP_DSASP 323712	37.65 -0.93 0.00	35.68 -0.99 0.00	35.50 -1.06 0.00	35.20 -0.83 0.00	35.06 -1.20 0.00	39.81 -1.83 0.00	58.43 -3.93 0.00	75.02 -7.06 0.00	66.44 -4.46 0.00	48.99 -1.72 0.00	43.37 -1.20 0.00	40.54 -1.12 0.00	39.86 -0.81 0.00	40.45 -1.16 0.00	39.87 -1.15 0.00	41.30 -1.41 0.00	47.79 -3.32 0.00	59.75 -4.15 0.00	75.64 -5.27 0.20	66.88 -4.42 0.05	56.94 -3.96 0.00	48.41 -2.02 0.00	44.72 -2.01 0.00	42.25 -1.72 0.00
ONEIDA_HERK_LFGE 323681	39.19 0.62 0.00	37.29 0.62 0.00	37.18 0.62 0.00	36.57 0.54 0.00	36.91 0.65 0.00	42.35 0.71 0.00	63.92 1.56 0.00	84.38 2.30 0.00	72.82 1.92 0.00	51.62 0.91 0.00	45.33 0.76 0.00	42.41 0.75 0.00	41.40 0.73 0.00	42.24 0.63 0.00	41.56 0.53 0.00	43.30 0.60 0.00	51.88 0.77 0.00	64.99 1.09 0.00	82.70 1.62 0.04	73.27 1.93 0.01	62.36 1.46 0.00	51.79 1.36 0.00	47.90 1.17 0.00	44.94 0.97 0.00
ONEIDA___115KV_TB4 55905	39.31 0.73 0.00	37.43 0.77 0.00	37.33 0.77 0.00	36.68 0.65 0.00	37.01 0.76 0.00	42.68 1.04 0.00	64.42 2.06 0.00	84.87 2.79 0.00	73.31 2.41 0.00	51.98 1.27 0.00	45.64 1.07 0.00	42.66 1.00 0.00	41.61 0.94 0.00	42.49 0.87 0.00	41.80 0.78 0.00	43.60 0.90 0.00	52.28 1.18 0.00	65.50 1.60 0.00	83.30 2.27 0.09	73.69 2.35 0.02	62.60 1.71 0.00	51.94 1.51 0.00	48.04 1.31 0.00	45.07 1.10 0.00
ONONDAGA_REF_OCCRA 23987	38.19 -0.39 0.00	36.26 -0.40 0.00	36.20 -0.37 0.00	35.60 -0.43 0.00	35.85 -0.40 0.00	41.23 -0.42 0.00	62.10 -0.37 -0.12	81.86 -0.57 -0.35	70.95 -0.35 -0.40	50.56 -0.25 -0.10	44.35 -0.22 0.00	41.46 -0.21 0.00	40.47 -0.20 0.00	41.38 -0.25 -0.01	40.70 -0.33 0.00	42.49 -0.21 0.00	50.65 -0.46 0.00	63.46 -0.45 0.00	80.90 -0.32 -0.10	71.02 -0.29 0.05	60.47 -0.43 0.00	50.18 -0.25 0.00	46.35 -0.37 0.00	43.62 -0.35 0.00
ONONDAGA___COGEN 23986	38.19 -0.39 0.00	36.30 -0.37 0.00	36.23 -0.33 0.00	35.63 -0.40 0.00	35.89 -0.36 0.00	41.27 -0.37 0.00	62.42 -0.31 -0.38	82.63 -0.57 -1.12	71.90 -0.28 -1.28	50.89 -0.15 -0.33	44.45 -0.13 -0.01	41.50 -0.17 0.00	40.55 -0.12 0.00	41.48 -0.17 -0.03	40.74 -0.29 0.00	42.53 -0.17 0.00	50.70 -0.41 0.00	63.46 -0.45 0.00	81.64 -0.32 -0.85	71.04 -0.29 0.03	60.53 -0.37 0.00	50.18 -0.25 0.00	46.40 -0.33 0.00	43.66 -0.31 0.00
ONTARIO___LFGE 23819	38.73 0.15 0.00	36.77 0.11 0.00	36.71 0.15 0.00	36.14 0.11 0.00	36.29 0.04 0.00	41.73 0.08 0.00	62.81 0.31 -0.14	82.41 -0.08 -0.42	71.80 0.43 -0.47	51.29 0.46 -0.12	45.11 0.54 0.00	42.08 0.42 0.00	41.12 0.45 0.00	42.00 0.37 -0.01	41.27 0.25 0.00	43.09 0.38 0.00	50.90 -0.20 0.00	64.03 0.13 0.00	81.54 0.24 -0.18	71.95 0.64 0.05	61.08 0.18 0.00	50.88 0.45 0.00	47.01 0.28 0.00	44.28 0.31 0.00
ORANGEVILLE_WT_PWR 323706	37.99 -0.58 0.00	36.08 -0.59 0.00	35.87 -0.70 0.00	35.42 -0.61 0.00	35.35 -0.90 0.00	40.35 -1.29 0.00	60.12 -2.24 0.00	77.73 -4.35 0.00	68.35 -2.55 0.00	49.90 -0.81 0.00	43.95 -0.62 0.00	41.00 -0.67 0.00	40.18 -0.49 0.00	40.91 -0.71 0.00	40.24 -0.78 0.00	41.89 -0.81 0.00	48.86 -2.25 0.00	61.54 -2.36 0.00	78.41 -2.52 0.20	69.31 -2.00 0.05	58.89 -2.01 0.00	49.72 -0.71 0.00	45.89 -0.84 0.00	43.18 -0.79 0.00
ORANGEVILLE___ESR 323794	37.99 -0.58 0.00	36.08 -0.59 0.00	35.87 -0.70 0.00	35.42 -0.61 0.00	35.35 -0.90 0.00	40.35 -1.29 0.00	60.12 -2.24 0.00	77.73 -4.35 0.00	68.35 -2.55 0.00	49.90 -0.81 0.00	43.95 -0.62 0.00	41.00 -0.67 0.00	40.18 -0.49 0.00	40.91 -0.71 0.00	40.24 -0.78 0.00	41.89 -0.81 0.00	48.86 -2.25 0.00	61.54 -2.36 0.00	78.41 -2.52 0.20	69.31 -2.00 0.05	58.89 -2.01 0.00	49.72 -0.71 0.00	45.89 -0.84 0.00	43.18 -0.79 0.00
OSWEGATCHIE___HYD 24044	39.34 0.77 0.00	37.44 0.77 0.00	37.25 0.69 0.00	36.71 0.68 0.00	37.02 0.76 0.00	42.39 0.75 0.00	64.00 1.49 -0.15	84.33 1.80 -0.44	72.90 1.49 -0.51	51.55 0.71 -0.13	45.24 0.67 0.00	42.62 0.96 0.00	41.61 0.94 0.00	42.46 0.83 -0.01	41.76 0.74 0.00	42.96 0.26 0.00	51.06 -0.05 0.00	63.91 0.00 0.00	81.58 0.08 -0.38	72.28 0.93 0.00	62.18 1.28 0.00	51.79 1.36 0.00	48.18 1.45 0.00	45.11 1.14 0.00
OSWEGO___5 23606	37.65 -0.93 0.00	35.75 -0.92 0.00	35.68 -0.88 0.00	35.13 -0.90 0.00	35.35 -0.90 0.00	40.60 -1.04 0.00	63.16 -1.43 -2.23	86.77 -1.97 -6.66	76.94 -1.56 -7.59	51.57 -1.12 -1.98	43.68 -0.94 -0.05	40.75 -0.92 0.00	39.81 -0.86 0.00	40.87 -0.92 -0.17	40.12 -0.90 0.00	41.77 -0.94 0.00	49.88 -1.23 0.00	62.37 -1.53 0.00	85.57 -1.79 -6.24	69.92 -1.57 -0.14	59.44 -1.46 0.00	49.32 -1.11 0.00	45.66 -1.07 0.00	42.91 -1.06 0.00
OSWEGO___6 23613	37.65 -0.93 0.00	35.75 -0.92 0.00	35.68 -0.88 0.00	35.13 -0.90 0.00	35.35 -0.90 0.00	40.60 -1.04 0.00	63.16 -1.43 -2.23	86.77 -1.97 -6.66	76.94 -1.56 -7.59	51.57 -1.12 -1.98	43.68 -0.94 -0.05	40.75 -0.92 0.00	39.81 -0.86 0.00	40.87 -0.92 -0.17	40.12 -0.90 0.00	41.77 -0.94 0.00	49.88 -1.23 0.00	62.37 -1.53 0.00	85.57 -1.79 -6.24	69.92 -1.57 -0.14	59.44 -1.46 0.00	49.32 -1.11 0.00	45.66 -1.07 0.00	42.91 -1.06 0.00



OUTOKUMPU-AB___DRP 24206	38.11 -0.46 0.00	36.15 -0.51 0.00	35.94 -0.62 0.00	35.24 -0.79 0.00	35.42 -0.83 0.00	40.44 -1.21 0.00	59.74 -2.62 0.00	76.83 -5.25 0.00	68.00 -2.91 0.00	50.00 -0.71 0.00	44.21 -0.36 0.00	41.33 -0.33 0.00	40.59 -0.08 0.00	41.24 -0.37 0.00	40.33 -0.70 0.00	42.06 -0.64 0.00	48.50 -2.61 0.00	60.71 -3.20 0.00	77.43 -3.49 0.20	68.45 -2.85 0.05	58.22 -2.68 0.00	49.47 -0.96 0.00	45.33 -1.40 0.00	42.96 -1.01 0.00
OXBOW___BTM 323836	37.92 -0.66 0.00	35.97 -0.70 0.00	35.76 -0.80 0.00	35.42 -0.61 0.00	35.28 -0.98 0.00	40.18 -1.46 0.00	59.18 -3.18 0.00	76.09 -5.99 0.00	67.36 -3.54 0.00	49.59 -1.12 0.00	43.90 -0.67 0.00	41.00 -0.67 0.00	40.30 -0.37 0.00	40.91 -0.71 0.00	40.33 -0.70 0.00	41.77 -0.94 0.00	48.35 -2.76 0.00	60.52 -3.39 0.00	76.69 -4.22 0.20	67.81 -3.49 0.05	57.73 -3.17 0.00	49.02 -1.41 0.00	45.28 -1.45 0.00	42.65 -1.32 0.00
OXBOW___ 24026	37.92 -0.66 0.00	35.97 -0.70 0.00	35.76 -0.80 0.00	35.06 -0.97 0.00	35.27 -0.98 0.00	40.19 -1.46 0.00	59.18 -3.18 0.00	76.01 -6.07 0.00	67.36 -3.55 0.00	49.59 -1.12 0.00	43.90 -0.67 0.00	41.00 -0.67 0.00	40.30 -0.37 0.00	40.91 -0.71 0.00	40.00 -1.03 0.00	41.77 -0.94 0.00	48.09 -3.02 0.00	60.20 -3.71 0.00	76.70 -4.22 0.20	67.81 -3.50 0.05	57.67 -3.23 0.00	49.02 -1.41 0.00	44.95 -1.78 0.00	42.65 -1.32 0.00
OXY_CHEM_DSASP 323612	37.61 -0.96 0.00	35.67 -0.99 0.00	35.50 -1.06 0.00	34.81 -1.23 0.00	35.02 -1.23 0.00	39.81 -1.83 0.00	58.43 -3.93 0.00	74.94 -7.14 0.00	66.44 -4.47 0.00	48.99 -1.72 0.00	43.37 -1.20 0.00	40.54 -1.12 0.00	39.86 -0.81 0.00	40.45 -1.17 0.00	39.55 -1.48 0.00	41.30 -1.41 0.00	47.53 -3.58 0.00	59.37 -4.54 0.00	75.56 -5.35 0.20	66.88 -4.42 0.05	56.88 -4.02 0.00	48.41 -2.02 0.00	44.39 -2.34 0.00	42.26 -1.71 0.00
OZONE_PARK_ESR 323760	41.20 2.62 0.00	39.01 2.35 0.00	38.75 2.19 0.00	38.16 2.13 0.00	38.39 2.14 0.00	44.31 2.67 0.00	66.41 4.05 0.00	88.32 6.24 -0.01	75.94 5.03 0.00	54.62 3.85 -0.05	47.96 3.39 -0.01	44.88 3.21 -0.01	43.93 3.25 -0.01	45.08 3.45 -0.01	44.47 3.45 -0.01	46.08 3.37 -0.01	55.28 4.09 -0.09	68.70 4.79 0.00	87.48 6.41 0.05	76.55 5.21 0.01	64.55 3.65 0.00	53.40 2.98 0.00	49.58 2.85 0.00	46.61 2.64 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	37.61 -0.96 0.00	35.67 -0.99 0.00	35.50 -1.06 0.00	34.81 -1.23 0.00	35.02 -1.23 0.00	39.81 -1.83 0.00	58.43 -3.93 0.00	74.94 -7.14 0.00	66.44 -4.47 0.00	48.99 -1.72 0.00	43.37 -1.20 0.00	40.54 -1.12 0.00	39.86 -0.81 0.00	40.45 -1.17 0.00	39.55 -1.48 0.00	41.30 -1.41 0.00	47.53 -3.58 0.00	59.37 -4.54 0.00	75.56 -5.35 0.20	66.88 -4.42 0.05	56.88 -4.02 0.00	48.41 -2.02 0.00	44.39 -2.34 0.00	42.26 -1.71 0.00
PACKARD___115KV_DUPONT_184 80571	37.65 -0.93 0.00	35.68 -0.99 0.00	35.50 -1.06 0.00	35.20 -0.83 0.00	35.06 -1.20 0.00	39.81 -1.83 0.00	58.43 -3.93 0.00	75.02 -7.06 0.00	66.44 -4.46 0.00	48.99 -1.72 0.00	43.37 -1.20 0.00	40.54 -1.12 0.00	39.86 -0.81 0.00	40.45 -1.16 0.00	39.87 -1.15 0.00	41.30 -1.41 0.00	47.79 -3.32 0.00	59.75 -4.15 0.00	75.64 -5.27 0.20	66.88 -4.42 0.05	56.94 -3.96 0.00	48.41 -2.02 0.00	44.72 -2.01 0.00	42.25 -1.72 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	41.24 2.66 -0.01	39.06 2.38 -0.01	38.84 2.27 -0.01	38.24 2.20 -0.01	38.51 2.25 -0.01	44.32 2.67 -0.01	66.42 4.05 -0.01	87.83 5.75 -0.01	75.09 4.18 0.00	54.05 3.30 -0.04	47.60 3.03 0.00	44.54 2.87 0.00	43.60 2.93 0.00	44.73 3.12 0.00	44.14 3.12 0.00	45.73 3.03 0.00	54.75 3.58 -0.07	68.00 4.09 0.00	86.59 5.52 0.05	75.70 4.35 0.01	63.70 2.80 0.00	53.30 2.87 0.00	49.40 2.66 -0.01	46.53 2.55 -0.01
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	41.67 3.09 -0.01	39.50 2.82 -0.01	39.27 2.71 -0.01	38.67 2.63 -0.01	38.91 2.65 -0.01	44.82 3.16 -0.01	67.17 4.80 -0.01	88.82 6.73 -0.01	75.94 5.03 0.00	54.61 3.85 -0.04	48.09 3.52 0.00	44.95 3.29 0.00	44.00 3.33 0.00	45.15 3.54 0.00	44.55 3.53 0.00	46.16 3.46 0.00	55.26 4.09 -0.07	68.64 4.73 0.00	87.48 6.41 0.05	76.48 5.14 0.01	64.31 3.41 0.00	53.81 3.38 0.00	49.91 3.18 -0.01	47.01 3.03 -0.01
PATROON___115KV_TB1 80586	38.88 0.31 0.00	37.10 0.44 0.00	36.89 0.33 0.00	36.39 0.36 0.00	36.58 0.33 0.00	42.06 0.42 0.00	62.80 0.44 0.00	82.65 0.57 0.00	71.12 0.21 0.00	50.56 -0.15 0.00	44.39 -0.18 0.00	41.58 -0.08 0.00	40.63 -0.04 0.00	41.62 0.00 0.00	41.19 0.16 0.00	42.79 0.09 0.00	51.62 0.51 0.00	64.67 0.77 0.00	81.90 0.81 0.03	71.70 0.36 0.01	61.26 0.37 0.00	50.43 0.00 0.00	46.82 0.09 0.00	44.19 0.22 0.00
PATTRSNVILLE___SOLAR 323815	39.50 0.92 0.00	37.54 0.88 0.00	37.48 0.91 0.00	36.93 0.90 0.00	37.19 0.94 0.00	42.77 1.12 0.00	64.41 2.05 0.00	84.71 2.63 0.00	72.60 1.70 0.00	51.11 0.40 0.00	44.66 0.09 0.00	41.66 0.00 0.00	40.67 0.00 0.00	41.74 0.13 0.00	41.27 0.25 0.00	43.13 0.43 0.00	52.13 1.02 0.00	65.76 1.85 0.00	83.68 2.60 0.04	73.42 2.07 0.01	62.60 1.70 0.00	51.74 1.31 0.00	47.90 1.17 0.00	45.07 1.10 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	37.69 -0.89 0.00	35.78 -0.88 0.00	35.57 -0.99 0.00	34.88 -1.15 0.00	35.02 -1.23 0.00	40.14 -1.50 0.00	59.87 -2.49 0.00	77.32 -4.76 0.00	68.14 -2.77 0.00	49.85 -0.86 0.00	43.99 -0.58 0.00	41.12 -0.54 0.00	40.34 -0.33 0.00	41.03 -0.58 0.00	40.12 -0.90 0.00	41.89 -0.81 0.00	48.40 -2.71 0.00	60.90 -3.00 0.00	77.75 -3.16 0.20	68.73 -2.57 0.05	58.34 -2.56 0.00	49.37 -1.06 0.00	45.23 -1.50 0.00	42.70 -1.28 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	40.73 2.16 0.00	38.68 2.02 0.00	38.50 1.94 0.00	37.94 1.91 0.00	38.18 1.92 0.00	43.93 2.29 0.00	65.91 3.55 0.00	87.33 5.25 0.00	75.37 4.47 0.00	53.75 3.04 0.00	47.25 2.67 0.00	44.08 2.42 0.00	43.19 2.52 0.00	44.28 2.66 0.00	43.73 2.71 0.00	45.40 2.69 0.00	54.43 3.32 0.00	67.74 3.83 0.00	86.51 5.44 0.04	75.77 4.42 0.01	64.06 3.17 0.00	53.00 2.57 0.00	49.20 2.48 0.00	46.21 2.24 0.00
PEEKSKILL___ 23653	40.62 2.04 0.00	38.50 1.83 0.00	38.32 1.75 0.00	37.69 1.66 0.00	37.96 1.70 0.00	43.77 2.12 0.00	65.54 3.18 0.00	86.92 4.84 0.00	74.87 3.97 0.00	53.68 2.94 -0.03	47.16 2.58 0.00	44.08 2.42 0.00	43.15 2.48 0.00	44.28 2.67 0.00	43.65 2.63 0.00	45.31 2.61 0.00	54.27 3.12 -0.04	67.55 3.64 0.00	86.11 5.03 0.05	75.63 4.28 0.01	63.64 2.74 0.00	52.64 2.22 0.00	48.78 2.05 0.00	45.99 2.02 0.00
PGE MADISON___WINDPWR 24146	40.77 2.20 0.00	39.01 2.35 0.00	38.86 2.30 0.00	38.05 2.02 0.00	38.50 2.25 0.00	44.18 2.54 0.00	67.29 4.93 0.00	88.73 6.65 0.00	76.72 5.81 0.00	54.01 3.30 0.00	47.33 2.76 0.00	44.12 2.46 0.00	42.87 2.20 0.00	43.53 1.91 0.00	42.71 1.68 0.00	44.93 2.22 0.00	53.97 2.86 0.00	68.00 4.09 0.00	86.80 5.84 0.16	77.24 5.92 0.04	65.34 4.45 0.00	54.36 3.93 0.00	50.09 3.36 0.00	46.87 2.90 0.00



PIERCEFIELD___HYD 23852	39.61 1.04 0.00	37.69 1.03 0.00	37.51 0.95 0.00	37.04 1.01 0.00	37.23 0.98 0.00	42.73 1.08 0.00	64.04 1.68 0.00	84.05 1.97 0.00	72.60 1.70 0.00	51.98 1.27 0.00	45.73 1.16 0.00	43.33 1.67 0.00	42.13 1.46 0.00	43.03 1.41 0.00	42.38 1.35 0.00	43.17 0.47 0.00	51.21 0.10 0.00	63.91 0.00 0.00	80.88 -0.24 0.00	72.36 1.00 0.00	62.42 1.52 0.00	51.79 1.36 0.00	48.41 1.68 0.00	45.33 1.36 0.00
PINELAWN_CC_1 323563	40.42 1.85 0.00	38.09 1.43 0.00	37.95 1.39 0.00	37.29 1.26 0.00	37.56 1.30 0.00	43.52 1.88 0.00	56.68 1.31 6.99	67.84 2.05 16.29	66.58 1.42 5.74	51.88 1.67 0.50	46.30 1.74 0.00	43.03 1.71 0.34	42.17 1.91 0.42	43.32 2.20 0.50	42.73 2.17 0.47	44.30 1.97 0.37	52.04 1.79 0.86	63.11 1.47 2.27	68.17 2.35 15.31	69.45 1.93 3.83	61.86 0.97 0.01	51.32 1.01 0.12	47.88 1.17 0.01	45.60 1.63 0.00
PJM_GEN_HTTP_PROXY 323702	40.89 2.31 0.00	38.72 2.05 0.00	38.50 1.94 0.00	37.87 1.84 0.00	38.14 1.88 0.00	43.97 2.33 0.00	65.85 3.49 0.00	87.50 5.42 -0.01	75.30 4.40 0.00	54.16 3.40 -0.05	47.52 2.94 0.00	44.46 2.79 0.00	43.52 2.85 0.00	44.70 3.08 0.00	44.02 2.99 0.00	45.65 2.94 0.00	54.68 3.52 -0.05	67.97 4.03 -0.03	86.59 5.52 0.05	75.98 4.64 0.01	63.94 3.04 0.00	53.16 2.47 -0.26	48.80 2.34 0.26	46.21 2.24 0.00
PJM_GEN_KEystone 24065	39.19 0.62 0.00	37.18 0.51 0.00	37.00 0.44 0.00	36.47 0.43 0.00	36.58 0.33 0.00	42.06 0.42 0.00	62.92 0.56 0.00	82.66 0.58 0.00	71.68 0.78 0.00	51.68 0.96 -0.01	45.51 0.94 0.00	42.54 0.88 0.00	41.65 0.97 0.00	42.61 1.00 0.00	41.93 0.90 0.00	43.56 0.85 0.00	51.56 0.46 0.01	64.58 0.64 -0.03	82.22 1.22 0.12	72.40 1.07 0.03	61.14 0.24 0.00	51.30 0.61 -0.26	46.88 0.42 0.26	44.41 0.44 0.00
PJM_GEN_NEPTUNE_PROXY 323594	40.11 1.54 0.01	37.83 1.17 0.00	37.69 1.13 0.00	37.04 1.01 0.00	37.30 1.05 0.00	43.18 1.54 0.01	55.34 1.74 8.77	64.68 3.04 20.44	66.04 2.34 7.20	52.21 2.13 0.63	46.53 1.96 0.00	43.62 1.96 0.00	42.82 2.15 0.00	44.02 2.41 0.00	43.36 2.34 0.00	44.83 2.13 0.00	52.25 2.25 1.10	63.39 2.30 2.81	65.26 3.33 19.19	69.26 2.71 4.80	62.40 1.52 0.02	51.70 1.16 -0.11	47.52 1.08 0.28	45.33 1.36 0.01
PJM_GEN_VFT_PROXY 323633	40.81 2.24 0.00	38.64 1.98 0.00	38.42 1.86 0.00	37.80 1.77 0.00	38.07 1.81 0.00	43.89 2.25 0.00	65.79 3.43 0.00	87.34 5.26 -0.01	75.16 4.25 0.00	54.06 3.29 -0.05	47.47 2.90 -0.01	44.42 2.75 -0.01	43.48 2.80 -0.01	44.66 3.04 -0.01	43.98 2.96 -0.01	45.62 2.91 0.00	54.59 3.42 -0.06	67.90 3.96 -0.03	86.43 5.35 0.05	75.84 4.50 0.01	63.76 2.86 0.00	53.11 2.42 -0.26	48.75 2.29 0.26	46.17 2.20 0.00
PLATSBURG_115KV_PMLD1 355749	39.11 0.54 0.00	37.18 0.51 0.00	37.04 0.48 0.00	36.64 0.61 0.00	36.80 0.54 0.00	42.31 0.67 0.00	62.73 0.37 0.00	82.41 0.33 0.00	71.40 0.50 0.00	51.37 0.66 0.00	45.51 0.94 0.00	42.37 0.71 0.00	41.24 0.57 0.00	42.20 0.58 0.00	41.56 0.53 0.00	43.26 0.56 0.00	51.36 0.26 0.00	64.29 0.38 0.00	81.12 0.00 0.00	71.93 0.57 0.00	61.63 0.73 0.00	50.93 0.50 0.00	47.62 0.89 0.00	44.67 0.70 0.00
PLEASANTVLY___LBMP 24000	40.15 1.58 0.00	38.06 1.39 0.00	37.88 1.32 0.00	37.33 1.30 0.00	37.56 1.31 0.00	43.27 1.62 0.00	64.73 2.37 0.00	85.86 3.78 0.00	73.88 2.98 0.00	52.89 2.18 0.00	46.49 1.92 0.00	43.45 1.79 0.00	42.50 1.83 0.00	43.61 2.00 0.00	43.03 2.01 0.00	44.67 1.96 0.00	53.51 2.40 0.00	66.72 2.81 0.00	84.89 3.81 0.04	74.34 3.00 0.01	63.09 2.19 0.00	52.19 1.76 0.00	48.46 1.73 0.00	45.60 1.63 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	40.62 2.04 0.00	38.50 1.83 0.00	38.28 1.72 0.00	37.72 1.69 0.00	37.96 1.70 0.00	43.72 2.08 0.00	65.48 3.12 0.00	86.92 4.84 0.00	74.80 3.90 0.00	53.57 2.89 0.03	47.15 2.59 0.00	44.12 2.46 0.00	43.15 2.48 0.00	44.28 2.66 0.00	43.69 2.67 0.00	45.31 2.61 0.00	54.17 3.12 0.05	67.55 3.64 0.00	86.02 4.95 0.05	75.34 4.00 0.01	63.70 2.80 0.00	52.70 2.27 0.00	48.88 2.15 0.00	45.99 2.02 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	40.62 2.04 0.00	38.50 1.83 0.00	38.28 1.72 0.00	37.72 1.69 0.00	37.96 1.70 0.00	43.72 2.08 0.00	65.48 3.12 0.00	86.92 4.84 0.00	74.80 3.90 0.00	53.57 2.89 0.03	47.15 2.59 0.00	44.12 2.46 0.00	43.15 2.48 0.00	44.28 2.66 0.00	43.69 2.67 0.00	45.31 2.61 0.00	54.17 3.12 0.05	67.55 3.64 0.00	86.02 4.95 0.05	75.34 4.00 0.01	63.70 2.80 0.00	52.70 2.27 0.00	48.88 2.15 0.00	45.99 2.02 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	40.35 1.77 0.00	38.24 1.58 0.00	38.10 1.54 0.00	37.54 1.51 0.00	37.78 1.52 0.00	43.52 1.87 0.00	65.17 2.81 0.00	86.43 4.35 0.00	74.31 3.40 0.00	53.09 2.38 0.00	46.62 2.05 0.00	43.58 1.92 0.00	42.62 1.95 0.00	43.70 2.08 0.00	43.16 2.13 0.00	44.80 2.09 0.00	53.77 2.66 0.00	67.10 3.20 0.00	85.46 4.38 0.04	74.91 3.57 0.01	63.52 2.62 0.00	52.60 2.17 0.00	48.78 2.06 0.00	45.90 1.93 0.00
POLETTI_____ 23519	41.05 2.47 -0.01	38.91 2.24 -0.01	38.69 2.12 -0.01	38.09 2.05 -0.01	38.36 2.10 -0.01	44.19 2.54 -0.01	66.23 3.87 -0.01	87.67 5.58 -0.01	74.87 3.97 0.00	53.95 3.19 -0.05	47.51 2.94 0.00	44.45 2.79 0.00	43.51 2.85 0.00	44.65 3.04 0.00	44.06 3.04 0.00	45.65 2.95 0.00	54.72 3.53 -0.09	67.80 3.90 0.00	86.43 5.35 0.05	75.55 4.21 0.01	63.52 2.62 0.00	53.20 2.77 0.00	49.21 2.48 -0.01	46.35 2.37 -0.01
POMONA___ESR 323819	40.65 2.08 0.00	38.53 1.87 0.00	38.35 1.79 0.00	37.73 1.69 0.00	37.99 1.74 0.00	43.81 2.16 0.00	65.79 3.43 0.00	87.34 5.26 0.00	75.16 4.25 0.00	53.82 3.09 -0.02	47.29 2.72 0.00	44.25 2.58 0.00	43.31 2.64 0.00	44.41 2.79 0.00	43.77 2.75 0.00	45.44 2.74 0.00	54.26 3.12 -0.03	67.68 3.77 0.00	86.27 5.20 0.05	75.77 4.43 0.01	63.76 2.86 0.00	52.80 2.37 0.00	48.88 2.15 0.00	46.08 2.11 0.00
PORT_JEFF_3 23555	40.00 1.43 0.00	37.69 1.03 0.00	37.58 1.02 0.00	36.89 0.86 0.00	37.16 0.91 0.00	43.06 1.42 0.00	55.43 1.25 8.18	65.57 2.55 19.06	66.17 1.98 6.72	52.15 2.03 0.59	46.53 1.96 0.00	35.69 1.71 7.69	33.16 1.87 9.38	32.38 2.12 11.36	32.54 2.09 10.57	36.23 1.79 8.26	52.16 2.05 1.00	63.11 1.85 2.65	65.90 2.67 17.90	68.95 2.07 4.48	62.22 1.34 0.02	51.20 0.91 0.14	47.32 0.61 0.02	45.15 1.19 0.00
PORT_JEFF_4 23616	40.00 1.43 0.00	37.69 1.03 0.00	37.58 1.02 0.00	36.89 0.86 0.00	37.16 0.91 0.00	43.06 1.42 0.00	55.43 1.25 8.18	65.57 2.55 19.06	66.17 1.98 6.72	52.15 2.03 0.59	46.53 1.96 0.00	35.69 1.71 7.69	33.16 1.87 9.38	32.38 2.12 11.36	32.54 2.09 10.57	36.23 1.79 8.26	52.16 2.05 1.00	63.11 1.85 2.65	65.90 2.67 17.90	68.95 2.07 4.48	62.22 1.34 0.02	51.20 0.91 0.14	47.32 0.61 0.02	45.15 1.19 0.00



PORT_JEFF_IC 23713	40.03 1.47 0.00	37.76 1.10 0.00	37.62 1.06 0.00	36.97 0.94 0.00	37.23 0.98 0.00	43.10 1.46 0.00	55.61 1.37 8.12	65.93 2.79 18.94	66.36 2.13 6.67	52.21 2.08 0.58	46.66 2.09 0.00	35.31 1.75 8.10	32.74 1.95 9.89	31.85 2.21 11.97	32.18 2.30 11.14	35.96 1.96 8.71	52.42 2.30 0.99	63.32 2.05 2.63	66.26 2.92 17.78	68.83 1.93 4.45	62.28 1.40 0.02	51.20 0.91 0.14	47.46 0.75 0.02	45.59 1.63 0.00
PPL PILGRIM_ST_GT1 24216	40.61 2.04 0.00	38.27 1.61 0.00	38.13 1.57 0.00	37.47 1.44 0.00	37.74 1.49 0.00	43.72 2.08 0.00	55.92 1.44 7.88	66.42 2.70 18.36	66.41 1.98 6.47	51.97 1.82 0.57	46.88 2.32 0.00	43.28 2.33 0.71	42.33 2.52 0.87	43.36 2.79 1.05	42.84 2.79 0.98	44.50 2.56 0.76	52.19 2.05 0.96	63.40 2.04 2.55	66.96 3.08 17.24	69.54 2.50 4.32	62.89 2.01 0.01	51.86 1.56 0.14	47.51 0.79 0.01	45.81 1.85 0.00
PPL PILGRIM_ST_GT2 24217	40.61 2.04 0.00	38.27 1.61 0.00	38.13 1.57 0.00	37.47 1.44 0.00	37.74 1.49 0.00	43.72 2.08 0.00	55.92 1.44 7.88	66.42 2.70 18.36	66.41 1.98 6.47	51.97 1.82 0.57	46.88 2.32 0.00	43.28 2.33 0.71	42.33 2.52 0.87	43.36 2.79 1.05	42.84 2.79 0.98	44.50 2.56 0.76	52.19 2.05 0.96	63.40 2.04 2.55	66.96 3.08 17.24	69.54 2.50 4.32	62.89 2.01 0.01	51.86 1.56 0.14	47.51 0.79 0.01	45.81 1.85 0.00
PPL_SHRM_GT3 24213	39.49 0.92 0.00	37.21 0.55 0.00	37.11 0.55 0.00	36.46 0.43 0.00	36.76 0.51 0.00	42.55 0.91 0.00	55.08 0.87 8.15	65.21 2.13 19.00	66.05 1.84 6.69	52.25 2.13 0.58	46.57 2.01 0.00	35.32 1.29 7.63	32.81 1.46 9.32	32.00 1.67 11.28	32.12 1.60 10.50	35.78 1.28 8.21	52.01 1.89 0.99	62.67 1.40 2.64	65.22 1.94 17.84	68.53 1.64 4.47	61.98 1.10 0.02	50.90 0.61 0.14	46.81 0.09 0.02	44.63 0.66 0.00
PPL_SHRM_GT4 24214	39.49 0.92 0.00	37.21 0.55 0.00	37.11 0.55 0.00	36.46 0.43 0.00	36.76 0.51 0.00	42.55 0.91 0.00	55.08 0.87 8.15	65.21 2.13 19.00	66.05 1.84 6.69	52.25 2.13 0.58	46.57 2.01 0.00	35.32 1.29 7.63	32.81 1.46 9.32	32.00 1.67 11.28	32.12 1.60 10.50	35.78 1.28 8.21	52.01 1.89 0.99	62.67 1.40 2.64	65.22 1.94 17.84	68.53 1.64 4.47	61.98 1.10 0.02	50.90 0.61 0.14	46.81 0.09 0.02	44.63 0.66 0.00
PROJECT___ORANGE 1 24174	38.03 -0.54 0.00	36.15 -0.51 0.00	36.05 -0.51 0.00	35.49 -0.54 0.00	35.71 -0.54 0.00	41.06 -0.58 0.00	61.77 -0.69 -0.09	81.38 -0.98 -0.28	70.58 -0.64 -0.32	50.39 -0.41 -0.08	44.22 -0.36 0.00	41.33 -0.33 0.00	40.39 -0.28 0.00	41.29 -0.33 -0.01	40.61 -0.41 0.00	42.36 -0.34 0.00	50.49 -0.61 0.00	63.14 -0.77 0.00	80.42 -0.73 -0.03	70.66 -0.64 0.06	60.17 -0.73 0.00	49.92 -0.50 0.00	46.12 -0.61 0.00	43.40 -0.57 0.00
PROJECT___ORANGE 2 24166	38.03 -0.54 0.00	36.15 -0.51 0.00	36.05 -0.51 0.00	35.49 -0.54 0.00	35.71 -0.54 0.00	41.06 -0.58 0.00	61.77 -0.69 -0.09	81.38 -0.98 -0.28	70.58 -0.64 -0.32	50.39 -0.41 -0.08	44.22 -0.36 0.00	41.33 -0.33 0.00	40.39 -0.28 0.00	41.29 -0.33 -0.01	40.61 -0.41 0.00	42.36 -0.34 0.00	50.49 -0.61 0.00	63.14 -0.77 0.00	80.42 -0.73 -0.03	70.66 -0.64 0.06	60.17 -0.73 0.00	49.92 -0.50 0.00	46.12 -0.61 0.00	43.40 -0.57 0.00
PUCKETT___SOLAR 323809	39.27 0.70 0.00	37.36 0.69 0.00	37.25 0.69 0.00	36.64 0.61 0.00	36.87 0.62 0.00	42.35 0.71 0.00	63.85 1.49 0.00	83.88 1.80 0.00	72.60 1.70 0.00	51.82 1.11 0.00	45.46 0.89 0.00	42.41 0.75 0.00	41.40 0.73 0.00	42.28 0.66 0.00	41.60 0.57 0.00	43.47 0.77 0.00	51.82 0.72 0.00	65.12 1.21 0.00	82.89 1.94 0.17	73.24 1.93 0.05	62.18 1.28 0.00	51.69 1.26 0.00	47.71 0.98 0.00	44.85 0.88 0.00
PYRITES___HYD 24023	40.08 1.50 0.00	38.20 1.54 0.00	37.99 1.43 0.00	37.51 1.48 0.00	37.74 1.49 0.00	43.31 1.67 0.00	64.98 2.62 0.00	85.28 3.20 0.00	73.45 2.55 0.00	52.33 1.62 0.00	46.00 1.43 0.00	43.41 1.75 0.00	42.17 1.50 0.00	43.11 1.50 0.00	42.42 1.39 0.00	43.52 0.81 0.00	51.93 0.82 0.00	65.06 1.15 0.00	82.42 1.30 0.00	73.78 2.43 0.00	63.46 2.56 0.00	52.60 2.17 0.00	49.06 2.34 0.00	45.90 1.93 0.00
QUAKERRD_115KV_BK1 80622	37.34 -1.23 0.00	35.42 -1.25 0.00	35.39 -1.17 0.00	34.77 -1.26 0.00	34.98 -1.27 0.00	40.10 -1.54 0.00	60.12 -2.24 0.00	78.63 -3.45 0.00	68.63 -2.27 0.00	49.39 -1.32 0.00	43.59 -0.98 0.00	40.66 -1.00 0.00	39.86 -0.81 0.00	40.58 -1.04 0.00	39.87 -1.15 0.00	41.51 -1.20 0.00	49.11 -1.99 0.00	61.41 -2.49 0.00	77.92 -3.00 0.20	68.81 -2.50 0.05	58.58 -2.31 0.00	49.02 -1.41 0.00	45.14 -1.59 0.00	42.48 -1.49 0.00
QUENSBRY_115KV_TB8 356137	39.61 1.04 0.00	37.65 0.99 0.00	37.58 1.02 0.00	37.11 1.08 0.00	37.34 1.09 0.00	42.93 1.29 0.00	64.73 2.37 0.00	85.12 3.04 0.00	73.24 2.34 0.00	51.47 0.76 0.00	45.02 0.45 0.00	42.00 0.33 0.00	40.95 0.28 0.00	42.03 0.42 0.00	41.56 0.53 0.00	43.35 0.64 0.00	52.49 1.38 0.00	66.27 2.36 0.00	84.17 3.08 0.03	73.56 2.21 0.01	62.85 1.95 0.00	51.69 1.26 0.00	47.94 1.21 0.00	45.20 1.23 0.00
RAMAPO___LBMP 323565	40.54 1.97 0.00	38.42 1.76 0.00	38.24 1.68 0.00	37.65 1.62 0.00	37.92 1.67 0.00	43.68 2.04 0.00	65.42 3.06 0.00	86.84 4.76 0.00	74.73 3.83 0.00	53.52 2.79 -0.02	47.07 2.50 0.00	44.00 2.33 0.00	43.07 2.40 0.00	44.16 2.54 0.00	43.57 2.54 0.00	45.18 2.48 0.00	54.16 3.02 -0.03	67.49 3.58 0.00	85.94 4.87 0.05	75.34 4.00 0.01	63.58 2.68 0.00	52.60 2.17 0.00	48.83 2.10 0.00	45.95 1.98 0.00
RANKINE____ 23646	38.07 -0.50 0.00	36.11 -0.55 0.00	35.90 -0.66 0.00	35.20 -0.83 0.00	35.35 -0.91 0.00	40.48 -1.17 0.00	60.12 -2.24 0.00	77.48 -4.60 0.00	68.42 -2.48 0.00	50.15 -0.56 0.00	44.30 -0.27 0.00	41.41 -0.25 0.00	40.63 -0.04 0.00	41.32 -0.29 0.00	40.41 -0.62 0.00	42.19 -0.51 0.00	48.71 -2.40 0.00	61.09 -2.81 0.00	78.00 -2.92 0.20	68.95 -2.35 0.05	58.58 -2.31 0.00	49.67 -0.76 0.00	45.51 -1.21 0.00	43.05 -0.92 0.00
RAVENSWOOD_GT2_1 24244	40.93 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.94 1.91 0.00	38.18 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.59 5.50 -0.01	75.30 4.40 0.00	54.17 3.40 -0.06	47.61 3.03 -0.01	44.50 2.83 -0.01	43.56 2.89 -0.01	44.74 3.12 -0.01	44.15 3.12 -0.01	45.74 3.03 -0.01	54.83 3.63 -0.10	68.06 4.15 0.00	86.67 5.60 0.05	75.84 4.50 0.01	64.00 3.11 0.00	53.00 2.57 0.00	49.20 2.48 0.00	46.26 2.29 0.00
RAVENSWOOD_GT2_2 24245	40.93 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.94 1.91 0.00	38.18 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.59 5.50 -0.01	75.30 4.40 0.00	54.17 3.40 -0.06	47.61 3.03 -0.01	44.50 2.83 -0.01	43.56 2.89 -0.01	44.74 3.12 -0.01	44.15 3.12 -0.01	45.74 3.03 -0.01	54.83 3.63 -0.10	68.06 4.15 0.00	86.67 5.60 0.05	75.84 4.50 0.01	64.00 3.11 0.00	53.00 2.57 0.00	49.20 2.48 0.00	46.26 2.29 0.00



RAVENSWOOD_GT2_3 24246	40.93 2.35 0.00	38.75 2.09 0.00	38.54 1.97 0.00	37.94 1.91 0.00	38.18 1.92 0.00	44.06 2.42 0.00	65.98 3.62 0.00	87.67 5.58 -0.01	75.37 4.47 0.00	54.17 3.40 -0.06	47.61 3.03 -0.01	44.54 2.87 -0.01	43.60 2.93 -0.01	44.74 3.12 -0.01	44.15 3.12 -0.01	45.74 3.03 -0.01	54.83 3.63 -0.10	68.12 4.22 0.00	86.75 5.68 0.05	75.91 4.57 0.01	64.00 3.11 0.00	53.00 2.57 0.00	49.20 2.48 0.00	46.30 2.33 0.00
RAVENSWOOD_GT2_4 24247	40.93 2.35 0.00	38.75 2.09 0.00	38.54 1.97 0.00	37.94 1.91 0.00	38.18 1.92 0.00	44.06 2.42 0.00	65.98 3.62 0.00	87.67 5.58 -0.01	75.37 4.47 0.00	54.17 3.40 -0.06	47.61 3.03 -0.01	44.54 2.87 -0.01	43.60 2.93 -0.01	44.74 3.12 -0.01	44.15 3.12 -0.01	45.74 3.03 -0.01	54.83 3.63 -0.10	68.12 4.22 0.00	86.75 5.68 0.05	75.91 4.57 0.01	64.00 3.11 0.00	53.00 2.57 0.00	49.20 2.48 0.00	46.30 2.33 0.00
RAVENSWOOD_GT3_1 24248	40.93 2.35 0.00	38.75 2.09 0.00	38.54 1.97 0.00	37.94 1.91 0.00	38.18 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.17 3.40 -0.06	47.61 3.03 -0.01	44.50 2.83 -0.01	43.56 2.89 -0.01	44.74 3.12 -0.01	44.15 3.12 -0.01	45.74 3.03 -0.01	54.83 3.63 -0.10	68.06 4.15 0.00	86.67 5.60 0.05	75.84 4.50 0.01	64.00 3.11 0.00	53.00 2.57 0.00	49.20 2.48 0.00	46.26 2.29 0.00
RAVENSWOOD_GT3_2 24249	40.93 2.35 0.00	38.75 2.09 0.00	38.54 1.97 0.00	37.94 1.91 0.00	38.18 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.17 3.40 -0.06	47.61 3.03 -0.01	44.50 2.83 -0.01	43.56 2.89 -0.01	44.74 3.12 -0.01	44.15 3.12 -0.01	45.74 3.03 -0.01	54.83 3.63 -0.10	68.06 4.15 0.00	86.67 5.60 0.05	75.84 4.50 0.01	64.00 3.11 0.00	53.00 2.57 0.00	49.20 2.48 0.00	46.26 2.29 0.00
RAVENSWOOD_GT3_3 24250	40.96 2.39 0.00	38.79 2.13 0.00	38.57 2.01 0.00	37.98 1.95 0.00	38.21 1.96 0.00	44.06 2.42 0.00	65.98 3.62 0.00	87.75 5.66 -0.01	75.44 4.54 0.00	54.22 3.45 -0.06	47.65 3.08 -0.01	44.59 2.92 -0.01	43.64 2.97 -0.01	44.78 3.16 -0.01	44.19 3.16 -0.01	45.79 3.07 -0.01	54.88 3.68 -0.10	68.19 4.28 0.00	86.83 5.76 0.05	75.98 4.64 0.01	64.06 3.17 0.00	53.05 2.62 0.00	49.25 2.52 0.00	46.34 2.37 0.00
RAVENSWOOD_GT3_4 24251	40.96 2.39 0.00	38.79 2.13 0.00	38.57 2.01 0.00	37.98 1.95 0.00	38.21 1.96 0.00	44.06 2.42 0.00	65.98 3.62 0.00	87.75 5.66 -0.01	75.44 4.54 0.00	54.22 3.45 -0.06	47.65 3.08 -0.01	44.59 2.92 -0.01	43.64 2.97 -0.01	44.78 3.16 -0.01	44.19 3.16 -0.01	45.79 3.07 -0.01	54.88 3.68 -0.10	68.19 4.28 0.00	86.83 5.76 0.05	75.98 4.64 0.01	64.06 3.17 0.00	53.05 2.62 0.00	49.25 2.52 0.00	46.34 2.37 0.00
RAVENSWOOD_GT_1 23729	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.37 2.10 -0.01	44.23 2.58 -0.01	66.16 3.80 0.00	87.91 5.83 -0.01	75.44 4.54 0.00	54.32 3.55 -0.06	47.84 3.25 -0.01	44.76 3.08 -0.01	43.82 3.13 -0.01	44.96 3.33 -0.01	44.36 3.32 -0.01	45.97 3.25 -0.01	55.04 3.83 -0.10	68.25 4.35 0.00	86.83 5.76 0.05	75.98 4.64 0.01	64.00 3.11 0.00	53.25 2.82 0.00	49.45 2.71 -0.01	46.53 2.55 -0.01
RAVENSWOOD_GT_10 24258	40.92 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.94 1.91 0.00	38.17 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.17 3.40 -0.06	47.61 3.03 0.00	44.50 2.83 0.00	43.56 2.89 0.00	44.70 3.08 0.00	44.15 3.12 0.00	45.70 2.99 0.00	54.83 3.63 -0.10	68.06 4.15 0.00	86.67 5.60 0.05	75.91 4.57 0.01	64.00 3.11 0.00	53.00 2.57 0.00	49.20 2.48 0.00	46.26 2.29 0.00
RAVENSWOOD_GT_11 24259	40.92 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.94 1.91 0.00	38.17 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.17 3.40 -0.06	47.61 3.03 0.00	44.50 2.83 0.00	43.56 2.89 0.00	44.70 3.08 0.00	44.15 3.12 0.00	45.70 2.99 0.00	54.83 3.63 -0.10	68.06 4.15 0.00	86.67 5.60 0.05	75.91 4.57 0.01	64.00 3.11 0.00	53.00 2.57 0.00	49.20 2.48 0.00	46.26 2.29 0.00
RAVENSWOOD_GT_4 24252	40.97 2.39 -0.01	38.80 2.13 -0.01	38.58 2.01 -0.01	37.98 1.95 -0.01	38.22 1.96 -0.01	44.11 2.46 -0.01	65.98 3.62 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.17 3.40 -0.06	47.66 3.08 -0.01	44.59 2.92 -0.01	43.65 2.97 -0.01	44.79 3.16 -0.01	44.20 3.16 -0.01	45.79 3.07 -0.01	54.88 3.68 -0.10	68.06 4.15 0.00	86.67 5.60 0.05	75.84 4.50 0.01	63.94 3.04 0.00	53.05 2.62 0.00	49.26 2.52 -0.01	46.35 2.37 -0.01
RAVENSWOOD_GT_5 24254	40.97 2.39 -0.01	38.80 2.13 -0.01	38.58 2.01 -0.01	37.98 1.95 -0.01	38.22 1.96 -0.01	44.11 2.46 -0.01	65.98 3.62 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.17 3.40 -0.06	47.66 3.08 -0.01	44.59 2.92 -0.01	43.65 2.97 -0.01	44.79 3.16 -0.01	44.20 3.16 -0.01	45.79 3.07 -0.01	54.88 3.68 -0.10	68.06 4.15 0.00	86.67 5.60 0.05	75.84 4.50 0.01	63.94 3.04 0.00	53.05 2.62 0.00	49.26 2.52 -0.01	46.35 2.37 -0.01
RAVENSWOOD_GT_6 24253	40.97 2.39 -0.01	38.80 2.13 -0.01	38.58 2.01 -0.01	37.98 1.95 -0.01	38.22 1.96 -0.01	44.11 2.46 -0.01	65.98 3.62 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.17 3.40 -0.06	47.66 3.08 -0.01	44.59 2.92 -0.01	43.65 2.97 -0.01	44.79 3.16 -0.01	44.20 3.16 -0.01	45.79 3.07 -0.01	54.88 3.68 -0.10	68.06 4.15 0.00	86.67 5.60 0.05	75.84 4.50 0.01	63.94 3.04 0.00	53.05 2.62 0.00	49.26 2.52 -0.01	46.35 2.37 -0.01
RAVENSWOOD_GT_7 24255	40.97 2.39 -0.01	38.80 2.13 -0.01	38.58 2.01 -0.01	37.98 1.95 -0.01	38.22 1.96 -0.01	44.11 2.46 -0.01	65.98 3.62 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.17 3.40 -0.06	47.66 3.08 -0.01	44.59 2.92 -0.01	43.65 2.97 -0.01	44.79 3.16 -0.01	44.20 3.16 -0.01	45.79 3.07 -0.01	54.88 3.68 -0.10	68.06 4.15 0.00	86.67 5.60 0.05	75.84 4.50 0.01	63.94 3.04 0.00	53.05 2.62 0.00	49.26 2.52 -0.01	46.35 2.37 -0.01
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	40.92 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.94 1.91 0.00	38.17 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.17 3.40 -0.06	47.61 3.03 0.00	44.50 2.83 0.00	43.56 2.89 0.00	44.70 3.08 0.00	44.15 3.12 0.00	45.70 2.99 0.00	54.83 3.63 -0.10	68.06 4.15 0.00	86.67 5.60 0.05	75.91 4.57 0.01	64.00 3.11 0.00	53.00 2.57 0.00	49.20 2.48 0.00	46.26 2.29 0.00
RAVENSWOOD_GT_9 24257	40.92 2.35 0.00	38.75 2.09 0.00	38.50 1.94 0.00	37.94 1.91 0.00	38.17 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.17 3.40 -0.06	47.61 3.03 0.00	44.50 2.83 0.00	43.56 2.89 0.00	44.70 3.08 0.00	44.15 3.12 0.00	45.70 2.99 0.00	54.83 3.63 -0.10	68.06 4.15 0.00	86.67 5.60 0.05	75.91 4.57 0.01	64.00 3.11 0.00	53.00 2.57 0.00	49.20 2.48 0.00	46.26 2.29 0.00



RAVENSWOOD___1 23533	41.13 2.55 -0.01	38.91 2.24 -0.01	38.69 2.12 -0.01	38.06 2.02 -0.01	38.33 2.07 -0.01	44.23 2.58 -0.01	66.10 3.74 0.00	87.75 5.66 -0.01	75.37 4.47 0.00	54.26 3.50 -0.06	47.79 3.21 -0.01	44.72 3.04 -0.01	43.77 3.09 -0.01	44.92 3.29 -0.01	44.28 3.24 -0.01	45.92 3.20 -0.01	54.89 3.68 -0.10	68.12 4.22 0.00	86.83 5.76 0.05	76.13 4.78 0.01	63.94 3.04 0.00	53.25 2.82 0.00	49.35 2.62 -0.01	46.48 2.51 -0.01
RAVENSWOOD___2 23534	41.01 2.43 -0.01	38.84 2.16 -0.01	38.62 2.05 -0.01	37.98 1.94 -0.01	38.25 1.99 -0.01	44.15 2.50 -0.01	65.73 3.37 0.00	87.18 5.09 -0.01	74.94 4.04 0.00	54.17 3.40 -0.06	47.66 3.07 -0.01	44.64 2.96 -0.01	43.69 3.01 -0.01	44.83 3.20 -0.01	44.20 3.16 -0.01	45.83 3.12 -0.01	54.78 3.58 -0.10	67.74 3.83 0.00	86.27 5.20 0.05	75.63 4.28 0.01	63.64 2.74 0.00	53.10 2.67 0.00	49.35 2.62 -0.01	46.48 2.51 -0.01
RAVENSWOOD___3 23535	40.93 2.35 0.00	38.75 2.09 0.00	38.53 1.97 0.00	37.90 1.87 0.00	38.17 1.92 0.00	44.02 2.37 0.00	65.91 3.55 0.00	87.50 5.42 -0.01	75.30 4.40 0.00	54.17 3.40 -0.06	47.56 2.99 -0.01	44.50 2.83 -0.01	43.56 2.89 -0.01	44.74 3.12 -0.01	44.06 3.04 -0.01	45.70 2.99 -0.01	54.73 3.52 -0.10	68.00 4.09 0.00	86.67 5.59 0.05	76.05 4.71 0.01	63.94 3.04 0.00	53.00 2.57 0.00	49.11 2.38 0.00	46.30 2.33 0.00
RAVENSWOOD___4 23820	41.08 2.51 -0.01	38.91 2.24 -0.01	38.69 2.12 -0.01	38.05 2.02 -0.01	38.33 2.07 -0.01	44.19 2.54 -0.01	66.04 3.68 0.00	87.67 5.58 -0.01	75.30 4.40 0.00	54.22 3.45 -0.06	47.75 3.16 -0.01	44.68 3.00 -0.01	43.73 3.05 -0.01	44.91 3.29 -0.01	44.24 3.20 -0.01	45.88 3.16 -0.01	54.89 3.68 -0.10	68.06 4.15 0.00	86.75 5.68 0.05	76.05 4.71 0.01	63.94 3.04 0.00	53.20 2.77 0.00	49.35 2.62 -0.01	46.48 2.51 -0.01
RCPL_TRUST___DRP 24196	40.93 2.35 0.00	38.75 2.09 0.00	38.54 1.97 0.00	37.94 1.91 0.00	38.18 1.92 0.00	44.06 2.42 0.00	65.98 3.62 0.00	87.75 5.66 -0.01	75.37 4.47 0.00	54.26 3.50 -0.05	47.61 3.03 0.00	44.54 2.87 0.00	43.60 2.93 0.00	44.74 3.12 0.00	44.15 3.12 0.00	45.74 3.03 0.00	54.87 3.68 -0.08	68.12 4.22 0.00	86.75 5.68 0.05	75.91 4.57 0.01	64.00 3.11 0.00	53.00 2.57 0.00	49.20 2.48 0.00	46.26 2.29 0.00
RED___ROCHESTER 323720	38.42 -0.15 0.00	36.45 -0.22 0.00	36.38 -0.18 0.00	35.89 -0.14 0.00	35.96 -0.29 0.00	41.19 -0.46 0.00	61.74 -0.62 0.00	80.61 -1.48 0.00	70.55 -0.35 0.00	50.86 0.15 0.00	44.93 0.35 0.00	41.91 0.25 0.00	41.12 0.45 0.00	41.82 0.21 0.00	41.23 0.21 0.00	42.71 0.00 0.00	50.50 -0.61 0.00	63.27 -0.64 0.00	80.10 -0.81 0.21	70.81 -0.50 0.06	60.23 -0.67 0.00	50.53 0.10 0.00	46.59 -0.14 0.00	43.66 -0.31 0.00
REGAN___SOLAR 323812	40.00 1.43 0.00	38.02 1.36 0.00	37.95 1.39 0.00	37.44 1.40 0.00	37.71 1.45 0.00	43.47 1.83 0.00	65.98 3.62 0.00	86.67 4.59 0.00	73.81 2.91 0.00	51.11 0.40 0.00	44.30 -0.27 0.00	41.21 -0.46 0.00	40.22 -0.45 0.00	41.37 -0.25 0.00	41.06 0.04 0.00	43.18 0.47 0.00	52.59 1.48 0.00	66.91 3.00 0.00	85.37 4.30 0.04	74.84 3.50 0.01	63.70 2.80 0.00	52.70 2.27 0.00	48.78 2.05 0.00	45.82 1.85 0.00
RENSSELAER___COGEN 23796	38.69 0.12 0.00	36.92 0.26 0.00	36.74 0.18 0.00	36.18 0.14 0.00	36.40 0.15 0.00	41.85 0.21 0.00	62.36 0.00 0.00	82.16 0.08 0.00	70.69 -0.21 0.00	50.30 -0.41 0.00	44.17 -0.40 0.00	41.37 -0.29 0.00	40.43 -0.24 0.00	41.41 -0.21 0.00	40.94 -0.08 0.00	42.62 -0.09 0.00	51.31 0.21 0.00	64.23 0.32 0.00	81.49 0.41 0.03	71.35 0.00 0.01	60.96 0.06 0.00	50.23 -0.20 0.00	46.59 -0.14 0.00	44.01 0.04 0.00
REPUBLIC_115KV_BARTNBRK 55605	41.08 2.51 0.00	39.05 2.38 0.00	39.01 2.45 0.00	38.55 2.52 0.00	38.76 2.50 0.00	44.68 3.04 0.00	67.91 5.55 0.00	88.98 6.89 0.00	76.50 5.60 0.00	53.30 2.59 0.00	46.49 1.92 0.00	43.20 1.54 0.00	42.09 1.42 0.00	43.16 1.54 0.00	42.66 1.64 0.00	44.58 1.88 0.00	54.28 3.17 0.00	69.08 5.18 0.00	88.06 6.98 0.03	76.84 5.49 0.01	65.53 4.63 0.00	53.86 3.43 0.00	50.00 3.27 0.00	47.05 3.08 0.00
REVERE_CPPR_DRP 24186	39.58 1.00 0.00	37.69 1.03 0.00	37.58 1.02 0.00	36.93 0.90 0.00	37.30 1.05 0.00	42.89 1.25 0.00	64.85 2.49 0.00	85.53 3.45 0.00	73.88 2.98 0.00	52.28 1.57 0.00	45.91 1.34 0.00	42.91 1.25 0.00	41.85 1.18 0.00	42.70 1.08 0.00	41.97 0.94 0.00	43.82 1.11 0.00	52.59 1.48 0.00	65.89 1.98 0.00	83.80 2.76 0.08	74.26 2.93 0.02	63.09 2.19 0.00	52.39 1.97 0.00	48.41 1.68 0.00	45.38 1.41 0.00
REYNLDPA_13_KV_LD 356490	39.11 0.54 0.00	37.18 0.51 0.00	37.04 0.47 0.00	36.57 0.54 0.00	36.72 0.47 0.00	42.18 0.54 0.00	62.98 0.62 0.00	82.73 0.65 0.00	71.61 0.71 0.00	51.52 0.81 0.00	45.33 0.76 0.00	42.37 0.71 0.00	41.28 0.61 0.00	42.24 0.63 0.00	41.60 0.57 0.00	43.18 0.47 0.00	51.57 0.46 0.00	64.48 0.57 0.00	81.45 0.33 0.00	71.86 0.50 0.00	61.81 0.91 0.00	51.19 0.76 0.00	47.52 0.79 0.00	44.67 0.70 0.00
REYNOLDS_115KV_TB3 80639	39.00 0.42 0.00	37.14 0.48 0.00	37.00 0.44 0.00	36.50 0.47 0.00	36.69 0.44 0.00	42.18 0.54 0.00	62.92 0.56 0.00	82.82 0.74 0.00	71.19 0.28 0.00	50.66 -0.05 0.00	44.39 -0.18 0.00	41.58 -0.08 0.00	40.59 -0.08 0.00	41.62 0.00 0.00	41.19 0.16 0.00	42.83 0.13 0.00	51.72 0.61 0.00	64.80 0.89 0.00	82.14 1.05 0.03	71.85 0.50 0.01	61.51 0.61 0.00	50.58 0.15 0.00	46.96 0.23 0.00	44.32 0.35 0.00
RIVERBAY____ 323610	41.67 3.09 -0.01	39.50 2.82 -0.01	39.27 2.71 -0.01	38.67 2.63 -0.01	38.91 2.65 -0.01	44.82 3.16 -0.01	67.17 4.80 -0.01	88.82 6.73 -0.01	75.94 5.03 0.00	54.61 3.85 -0.04	48.09 3.52 0.00	44.95 3.29 0.00	44.00 3.33 0.00	45.15 3.54 0.00	44.55 3.53 0.00	46.16 3.46 0.00	55.26 4.09 -0.07	68.64 4.73 0.00	87.48 6.41 0.05	76.48 5.14 0.01	64.31 3.41 0.00	53.81 3.38 0.00	49.91 3.18 -0.01	47.01 3.03 -0.01
RIVERSDE_115KV_TB3 55908	38.73 0.15 0.00	36.96 0.29 0.00	36.78 0.22 0.00	36.28 0.25 0.00	36.47 0.22 0.00	41.89 0.25 0.00	62.48 0.12 0.00	82.33 0.25 0.00	70.76 -0.14 0.00	50.36 -0.35 0.00	44.21 -0.36 0.00	41.41 -0.25 0.00	40.47 -0.20 0.00	41.45 -0.17 0.00	41.02 0.00 0.00	42.62 -0.09 0.00	51.41 0.31 0.00	64.35 0.45 0.00	81.57 0.49 0.03	71.35 0.00 0.01	61.08 0.18 0.00	50.23 -0.20 0.00	46.68 -0.05 0.00	44.06 0.09 0.00
ROARING___BROOK_WT_PWR 323790	38.42 -0.15 0.00	36.52 -0.15 0.00	36.42 -0.15 0.00	35.92 -0.11 0.00	36.18 -0.07 0.00	41.56 -0.08 0.00	62.24 -0.12 0.00	81.92 -0.16 0.00	70.76 -0.14 0.00	50.61 -0.10 0.00	44.53 -0.04 0.00	41.62 -0.04 0.00	40.59 -0.08 0.00	41.53 -0.08 0.00	40.90 -0.12 0.00	42.54 -0.17 0.00	50.90 -0.20 0.00	63.72 -0.19 0.00	80.88 -0.24 0.00	71.21 -0.14 0.00	60.90 0.00 0.00	50.43 0.00 0.00	46.77 0.05 0.00	44.01 0.04 0.00



ROCHESRG_115KV_T4 355643	38.11 -0.46 0.00	36.15 -0.51 0.00	36.09 -0.48 0.00	35.45 -0.58 0.00	35.67 -0.58 0.00	40.85 -0.79 0.00	61.11 -1.25 0.00	79.70 -2.38 0.00	69.77 -1.13 0.00	50.36 -0.35 0.00	44.44 -0.13 0.00	41.46 -0.21 0.00	40.67 0.00 0.00	41.37 -0.25 0.00	40.65 -0.37 0.00	42.32 -0.38 0.00	49.88 -1.23 0.00	62.44 -1.47 0.00	79.29 -1.62 0.21	70.02 -1.28 0.06	59.62 -1.28 0.00	50.02 -0.40 0.00	45.98 -0.75 0.00	43.31 -0.66 0.00
ROCHESTER_9_IC 23652	38.26 -0.31 0.00	36.30 -0.37 0.00	36.23 -0.33 0.00	35.60 -0.43 0.00	35.82 -0.44 0.00	41.06 -0.58 0.00	61.49 -0.87 0.00	80.19 -1.89 0.00	70.19 -0.71 0.00	50.61 -0.10 0.00	44.70 0.13 0.00	41.71 0.04 0.00	40.91 0.24 0.00	41.62 0.00 0.00	40.90 -0.12 0.00	42.53 -0.17 0.00	50.14 -0.97 0.00	62.82 -1.09 0.00	79.69 -1.22 0.21	70.45 -0.86 0.06	59.92 -0.97 0.00	50.28 -0.15 0.00	46.21 -0.51 0.00	43.49 -0.48 0.00
ROCKVIEW_13_KV_LD 356306	40.81 2.24 0.00	38.68 2.02 0.00	38.46 1.90 0.00	37.87 1.84 0.00	38.14 1.89 0.00	43.97 2.33 0.00	65.85 3.49 0.00	87.50 5.42 0.00	75.30 4.40 0.00	53.99 3.30 0.01	47.51 2.94 0.00	44.41 2.75 0.00	43.48 2.81 0.00	44.61 3.00 0.00	44.02 2.99 0.00	45.61 2.90 0.00	54.62 3.53 0.02	68.00 4.09 0.00	86.67 5.60 0.05	75.91 4.57 0.01	64.06 3.17 0.00	52.95 2.52 0.00	49.11 2.38 0.00	46.21 2.24 0.00
ROME____115KV_TB2 80656	39.58 1.00 0.00	37.69 1.03 0.00	37.58 1.02 0.00	36.93 0.90 0.00	37.30 1.05 0.00	42.89 1.25 0.00	64.85 2.49 0.00	85.53 3.45 0.00	73.88 2.98 0.00	52.28 1.57 0.00	45.91 1.34 0.00	42.91 1.25 0.00	41.85 1.18 0.00	42.70 1.08 0.00	41.97 0.94 0.00	43.82 1.11 0.00	52.59 1.48 0.00	65.89 1.98 0.00	83.80 2.76 0.08	74.26 2.93 0.02	63.09 2.19 0.00	52.39 1.97 0.00	48.41 1.68 0.00	45.38 1.41 0.00
ROSETON___1 23587	40.19 1.62 0.00	38.13 1.47 0.00	37.95 1.39 0.00	37.37 1.33 0.00	37.63 1.38 0.00	43.35 1.71 0.00	64.79 2.43 0.00	85.86 3.78 0.00	73.95 3.05 0.00	52.99 2.28 0.00	46.53 1.96 0.00	43.54 1.88 0.00	42.58 1.91 0.00	43.70 2.08 0.00	43.07 2.05 0.00	44.75 2.05 0.00	53.51 2.40 0.00	66.72 2.81 0.00	84.97 3.89 0.05	74.63 3.28 0.01	63.09 2.19 0.00	52.24 1.81 0.00	48.41 1.68 0.00	45.64 1.67 0.00
ROSETON___2 23588	40.19 1.62 0.00	38.13 1.47 0.00	37.95 1.39 0.00	37.37 1.33 0.00	37.63 1.38 0.00	43.35 1.71 0.00	64.79 2.43 0.00	85.86 3.78 0.00	73.95 3.05 0.00	52.99 2.28 0.00	46.53 1.96 0.00	43.54 1.88 0.00	42.58 1.91 0.00	43.70 2.08 0.00	43.07 2.05 0.00	44.75 2.05 0.00	53.51 2.40 0.00	66.72 2.81 0.00	84.97 3.89 0.05	74.63 3.28 0.01	63.09 2.19 0.00	52.24 1.81 0.00	48.41 1.68 0.00	45.64 1.67 0.00
ROTRDAM_115KV_TB3 80664	39.34 0.77 0.00	37.40 0.73 0.00	37.29 0.73 0.00	36.79 0.76 0.00	37.01 0.76 0.00	42.52 0.87 0.00	63.79 1.43 0.00	84.05 1.97 0.00	72.32 1.42 0.00	51.42 0.71 0.00	45.06 0.49 0.00	42.08 0.42 0.00	41.08 0.41 0.00	42.12 0.50 0.00	41.60 0.57 0.00	43.35 0.64 0.00	52.18 1.07 0.00	65.44 1.53 0.00	83.03 1.95 0.03	72.85 1.50 0.01	62.18 1.28 0.00	51.34 0.91 0.00	47.62 0.89 0.00	44.81 0.84 0.00
RUSSELL___1 23602	38.42 -0.15 0.00	36.44 -0.22 0.00	36.38 -0.18 0.00	35.74 -0.29 0.00	35.96 -0.29 0.00	41.18 -0.46 0.00	61.74 -0.62 0.00	80.60 -1.48 0.00	70.55 -0.35 0.00	50.86 0.15 0.00	44.93 0.36 0.00	41.91 0.25 0.00	41.12 0.45 0.00	41.82 0.21 0.00	41.06 0.04 0.00	42.71 0.00 0.00	50.39 -0.72 0.00	63.08 -0.83 0.00	80.10 -0.81 0.21	70.80 -0.50 0.06	60.23 -0.67 0.00	50.53 0.10 0.00	46.45 -0.28 0.00	43.66 -0.31 0.00
RUSSELL___2 23532	38.42 -0.15 0.00	36.44 -0.22 0.00	36.38 -0.18 0.00	35.74 -0.29 0.00	35.96 -0.29 0.00	41.18 -0.46 0.00	61.74 -0.62 0.00	80.60 -1.48 0.00	70.55 -0.35 0.00	50.86 0.15 0.00	44.93 0.36 0.00	41.91 0.25 0.00	41.12 0.45 0.00	41.82 0.21 0.00	41.06 0.04 0.00	42.71 0.00 0.00	50.39 -0.72 0.00	63.08 -0.83 0.00	80.10 -0.81 0.21	70.80 -0.50 0.06	60.23 -0.67 0.00	50.53 0.10 0.00	46.45 -0.28 0.00	43.66 -0.31 0.00
RUSSELL___3 23549	38.42 -0.15 0.00	36.44 -0.22 0.00	36.38 -0.18 0.00	35.74 -0.29 0.00	35.96 -0.29 0.00	41.18 -0.46 0.00	61.74 -0.62 0.00	80.60 -1.48 0.00	70.55 -0.35 0.00	50.86 0.15 0.00	44.93 0.36 0.00	41.91 0.25 0.00	41.12 0.45 0.00	41.82 0.21 0.00	41.06 0.04 0.00	42.71 0.00 0.00	50.39 -0.72 0.00	63.08 -0.83 0.00	80.10 -0.81 0.21	70.80 -0.50 0.06	60.23 -0.67 0.00	50.53 0.10 0.00	46.45 -0.28 0.00	43.66 -0.31 0.00
RUSSELL___4 23556	38.42 -0.15 0.00	36.44 -0.22 0.00	36.38 -0.18 0.00	35.74 -0.29 0.00	35.96 -0.29 0.00	41.18 -0.46 0.00	61.74 -0.62 0.00	80.60 -1.48 0.00	70.55 -0.35 0.00	50.86 0.15 0.00	44.93 0.36 0.00	41.91 0.25 0.00	41.12 0.45 0.00	41.82 0.21 0.00	41.06 0.04 0.00	42.71 0.00 0.00	50.39 -0.72 0.00	63.08 -0.83 0.00	80.10 -0.81 0.21	70.80 -0.50 0.06	60.23 -0.67 0.00	50.53 0.10 0.00	46.45 -0.28 0.00	43.66 -0.31 0.00
RUSSELL___STATION 23914	38.42 -0.15 0.00	36.44 -0.22 0.00	36.38 -0.18 0.00	35.74 -0.29 0.00	35.96 -0.29 0.00	41.18 -0.46 0.00	61.74 -0.62 0.00	80.60 -1.48 0.00	70.55 -0.35 0.00	50.86 0.15 0.00	44.93 0.36 0.00	41.91 0.25 0.00	41.12 0.45 0.00	41.82 0.21 0.00	41.06 0.04 0.00	42.71 0.00 0.00	50.39 -0.72 0.00	63.08 -0.83 0.00	80.10 -0.81 0.21	70.80 -0.50 0.06	60.23 -0.67 0.00	50.53 0.10 0.00	46.45 -0.28 0.00	43.66 -0.31 0.00
S SALMON___HYD 24043	38.34 -0.23 0.00	36.45 -0.22 0.00	36.34 -0.22 0.00	35.78 -0.25 0.00	36.04 -0.22 0.00	41.35 -0.29 0.00	62.84 -0.12 -0.60	83.79 -0.08 -1.79	72.95 0.00 -2.04	50.99 -0.25 -0.53	44.32 -0.27 -0.01	41.41 -0.25 0.00	40.43 -0.24 0.00	41.29 -0.38 -0.05	40.61 -0.41 0.00	42.32 -0.39 0.00	50.50 -0.61 0.00	63.27 -0.64 0.00	82.18 -0.48 -1.54	71.21 -0.14 0.00	60.59 -0.30 0.00	50.38 -0.05 0.00	46.68 -0.05 0.00	43.80 -0.18 0.00
S.PERRY__115KV_TB1 80734	39.31 0.73 0.00	37.29 0.62 0.00	37.26 0.69 0.00	36.54 0.50 0.00	36.80 0.54 0.00	42.18 0.54 0.00	63.54 1.18 0.00	82.74 0.66 0.00	72.11 1.21 0.00	51.72 1.01 0.00	45.37 0.80 0.00	42.25 0.58 0.00	41.40 0.73 0.00	42.16 0.54 0.00	41.35 0.33 0.00	43.35 0.64 0.00	51.11 0.00 0.00	64.48 0.58 0.00	82.62 1.70 0.20	73.09 1.78 0.05	62.05 1.16 0.00	52.09 1.66 0.00	47.76 1.03 0.00	44.89 0.92 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	37.88 -0.69 0.00	35.97 -0.70 0.00	35.76 -0.80 0.00	35.06 -0.97 0.00	35.20 -1.05 0.00	40.27 -1.37 0.00	59.55 -2.81 0.00	76.66 -5.42 0.00	67.78 -3.12 0.00	49.80 -0.91 0.00	44.08 -0.49 0.00	41.16 -0.50 0.00	40.43 -0.24 0.00	41.07 -0.54 0.00	40.16 -0.86 0.00	41.94 -0.77 0.00	48.40 -2.71 0.00	60.58 -3.32 0.00	77.27 -3.65 0.20	68.31 -3.00 0.05	58.10 -2.80 0.00	49.32 -1.11 0.00	45.23 -1.50 0.00	42.83 -1.14 0.00



SAWYER___23_KV_LOAD 55526	37.88 -0.69 0.00	35.97 -0.70 0.00	35.76 -0.80 0.00	35.06 -0.97 0.00	35.20 -1.05 0.00	40.27 -1.37 0.00	59.55 -2.81 0.00	76.66 -5.42 0.00	67.78 -3.12 0.00	49.80 -0.91 0.00	44.08 -0.49 0.00	41.16 -0.50 0.00	40.43 -0.24 0.00	41.07 -0.54 0.00	40.16 -0.86 0.00	41.94 -0.77 0.00	48.40 -2.71 0.00	60.58 -3.32 0.00	77.27 -3.65 0.20	68.31 -3.00 0.05	58.10 -2.80 0.00	49.32 -1.11 0.00	45.23 -1.50 0.00	42.83 -1.14 0.00
SELKIRK___I 23801	39.19 0.62 0.00	37.33 0.66 0.00	37.18 0.62 0.00	36.64 0.61 0.00	37.02 0.76 0.00	42.52 0.88 0.00	63.61 1.25 0.00	83.64 1.56 0.00	71.89 0.99 0.00	51.02 0.31 0.00	44.66 0.09 0.00	41.75 0.08 0.00	40.75 0.08 0.00	41.78 0.17 0.00	41.27 0.25 0.00	43.05 0.34 0.00	51.82 0.72 0.00	64.93 1.02 0.00	82.46 1.38 0.04	72.27 0.93 0.01	61.75 0.85 0.00	50.98 0.56 0.00	47.29 0.56 0.00	44.59 0.62 0.00
SELKIRK___II 23799	38.88 0.31 0.00	37.07 0.40 0.00	36.89 0.33 0.00	36.35 0.32 0.00	36.62 0.36 0.00	42.06 0.42 0.00	62.80 0.44 0.00	82.73 0.65 0.00	71.19 0.28 0.00	50.71 0.00 0.00	44.53 -0.04 0.00	41.66 0.00 0.00	40.71 0.04 0.00	41.70 0.08 0.00	41.19 0.16 0.00	42.88 0.17 0.00	51.57 0.46 0.00	64.48 0.57 0.00	81.81 0.73 0.04	71.78 0.43 0.01	61.27 0.37 0.00	50.53 0.10 0.00	46.87 0.14 0.00	44.24 0.27 0.00
SENECA OSWGO___HYD 24041	37.80 -0.77 0.00	35.93 -0.73 0.00	35.83 -0.73 0.00	35.31 -0.72 0.00	35.49 -0.76 0.00	40.81 -0.83 0.00	62.22 -1.06 -0.92	83.43 -1.40 -2.75	72.90 -1.14 -3.14	50.71 -0.81 -0.82	43.88 -0.71 -0.02	41.00 -0.67 0.00	40.02 -0.65 0.00	40.98 -0.71 -0.07	40.29 -0.74 0.00	42.02 -0.68 0.00	50.14 -0.97 0.00	62.76 -1.15 0.00	82.26 -1.30 -2.44	70.31 -1.07 -0.02	59.86 -1.04 0.00	49.62 -0.81 0.00	45.89 -0.84 0.00	43.13 -0.84 0.00
SENECA___115KV_TB3 355854	38.11 -0.46 0.00	36.19 -0.48 0.00	35.94 -0.62 0.00	35.53 -0.50 0.00	35.42 -0.83 0.00	40.52 -1.12 0.00	60.24 -2.12 0.00	77.65 -4.43 0.00	68.49 -2.41 0.00	50.25 -0.46 0.00	44.39 -0.18 0.00	41.46 -0.21 0.00	40.71 0.04 0.00	41.41 -0.21 0.00	40.74 -0.29 0.00	42.24 -0.47 0.00	48.96 -2.14 0.00	61.48 -2.43 0.00	78.16 -2.76 0.20	69.09 -2.21 0.05	58.71 -2.19 0.00	49.77 -0.66 0.00	45.89 -0.84 0.00	43.09 -0.88 0.00
SENECA___ENERGY 23797	38.34 -0.23 0.00	36.45 -0.22 0.00	36.34 -0.22 0.00	35.82 -0.21 0.00	36.00 -0.25 0.00	41.39 -0.25 0.00	62.50 -0.12 -0.26	82.37 -0.49 -0.78	71.65 -0.14 -0.89	50.94 0.00 -0.23	44.67 0.09 -0.01	41.66 0.00 0.00	40.71 0.04 0.00	41.64 0.00 -0.02	40.94 -0.08 0.00	42.71 0.00 0.00	50.65 -0.46 0.00	63.59 -0.32 0.00	81.40 -0.24 -0.53	71.32 0.00 0.04	60.66 -0.24 0.00	50.38 -0.05 0.00	46.59 -0.14 0.00	43.84 -0.13 0.00
SHOEMAKER___GT 23640	40.27 1.70 0.00	38.17 1.50 0.00	38.02 1.46 0.00	37.44 1.40 0.00	37.67 1.41 0.00	43.39 1.75 0.00	65.04 2.68 0.00	86.10 4.02 0.00	74.10 3.19 0.00	52.95 2.23 -0.01	46.49 1.92 0.00	43.45 1.79 0.00	42.50 1.83 0.00	43.61 2.00 0.00	42.99 1.97 0.00	44.67 1.97 0.00	53.53 2.40 -0.02	66.85 2.94 0.00	85.20 4.13 0.05	74.84 3.50 0.01	63.27 2.37 0.00	52.39 1.96 0.00	48.55 1.82 0.00	45.73 1.76 0.00
SHOEMAKR_138KV_BK 111 55601	40.27 1.70 0.00	38.17 1.50 0.00	38.02 1.46 0.00	37.44 1.41 0.00	37.70 1.45 0.00	43.39 1.75 0.00	65.04 2.68 0.00	86.19 4.10 0.00	74.09 3.19 0.00	53.00 2.28 -0.01	46.53 1.96 0.00	43.50 1.83 0.00	42.54 1.87 0.00	43.66 2.04 0.00	43.08 2.05 0.00	44.71 2.01 0.00	53.63 2.50 -0.02	66.91 3.00 0.00	85.21 4.14 0.05	74.70 3.35 0.01	63.27 2.38 0.00	52.39 1.97 0.00	48.60 1.87 0.00	45.73 1.76 0.00
SHOREHAM_IC_1 23715	39.49 0.92 0.00	37.21 0.55 0.00	37.11 0.55 0.00	36.46 0.43 0.00	36.76 0.51 0.00	42.55 0.91 0.00	55.08 0.87 8.15	65.21 2.13 19.00	66.05 1.84 6.69	52.25 2.13 0.58	46.57 2.01 0.00	35.32 1.29 7.63	32.81 1.46 9.32	32.00 1.67 11.28	32.12 1.60 10.50	35.78 1.28 8.21	52.01 1.89 0.99	62.67 1.40 2.64	65.22 1.94 17.84	68.53 1.64 4.47	61.98 1.10 0.02	50.90 0.61 0.14	46.81 0.09 0.02	44.63 0.66 0.00
SHOREHAM_IC_2 23716	39.49 0.93 0.00	37.21 0.55 0.00	37.11 0.55 0.00	36.50 0.47 0.00	36.76 0.51 0.00	42.56 0.92 0.00	55.15 0.94 8.15	65.38 2.30 19.00	66.12 1.91 6.69	52.26 2.13 0.58	46.66 2.09 0.00	35.32 1.29 7.63	32.82 1.46 9.32	32.00 1.66 11.28	32.25 1.72 10.50	35.86 1.37 8.21	52.21 2.10 0.99	62.80 1.53 2.64	65.31 2.03 17.84	68.46 1.57 4.47	62.04 1.16 0.02	50.74 0.45 0.14	46.85 0.14 0.02	44.98 1.01 0.00
SISSONVILLE____ 23735	39.61 1.04 0.00	37.69 1.03 0.00	37.51 0.95 0.00	37.04 1.01 0.00	37.23 0.98 0.00	42.73 1.08 0.00	64.04 1.68 0.00	84.05 1.97 0.00	72.60 1.70 0.00	51.98 1.27 0.00	45.73 1.16 0.00	43.33 1.67 0.00	42.13 1.46 0.00	43.03 1.41 0.00	42.38 1.35 0.00	43.17 0.47 0.00	51.21 0.10 0.00	63.91 0.00 0.00	80.88 -0.24 0.00	72.36 1.00 0.00	62.42 1.52 0.00	51.79 1.36 0.00	48.41 1.68 0.00	45.33 1.36 0.00
SITHE_IND_GS1 24169	37.34 -1.24 0.00	35.49 -1.17 0.00	35.39 -1.17 0.00	34.88 -1.15 0.00	35.06 -1.20 0.00	40.27 -1.37 0.00	57.21 -1.93 3.21	69.85 -2.63 9.60	57.82 -2.13 10.95	46.34 -1.52 2.85	43.20 -1.29 0.07	40.41 -1.25 0.00	39.49 -1.18 0.00	40.12 -1.25 0.25	39.79 -1.23 0.00	41.43 -1.28 0.00	49.47 -1.64 0.00	61.92 -1.98 0.00	68.77 -2.52 9.83	68.80 -2.14 0.42	58.95 -1.95 0.00	48.92 -1.51 0.00	45.28 -1.45 0.00	42.56 -1.41 0.00
SITHE_IND_GS2 24170	37.34 -1.24 0.00	35.49 -1.17 0.00	35.39 -1.17 0.00	34.88 -1.15 0.00	35.06 -1.20 0.00	40.27 -1.37 0.00	57.21 -1.93 3.21	69.85 -2.63 9.60	57.82 -2.13 10.95	46.34 -1.52 2.85	43.20 -1.29 0.07	40.41 -1.25 0.00	39.49 -1.18 0.00	40.12 -1.25 0.25	39.79 -1.23 0.00	41.43 -1.28 0.00	49.47 -1.64 0.00	61.92 -1.98 0.00	68.77 -2.52 9.83	68.80 -2.14 0.42	58.95 -1.95 0.00	48.92 -1.51 0.00	45.28 -1.45 0.00	42.56 -1.41 0.00
SITHE_IND_GS3 24171	37.34 -1.24 0.00	35.49 -1.17 0.00	35.39 -1.17 0.00	34.88 -1.15 0.00	35.06 -1.20 0.00	40.27 -1.37 0.00	57.21 -1.93 3.21	69.85 -2.63 9.60	57.82 -2.13 10.95	46.34 -1.52 2.85	43.20 -1.29 0.07	40.41 -1.25 0.00	39.49 -1.18 0.00	40.12 -1.25 0.25	39.79 -1.23 0.00	41.43 -1.28 0.00	49.47 -1.64 0.00	61.92 -1.98 0.00	68.77 -2.52 9.83	68.80 -2.14 0.42	58.95 -1.95 0.00	48.92 -1.51 0.00	45.28 -1.45 0.00	42.56 -1.41 0.00
SITHE_IND_GS4 24172	37.34 -1.24 0.00	35.49 -1.17 0.00	35.39 -1.17 0.00	34.88 -1.15 0.00	35.06 -1.20 0.00	40.27 -1.37 0.00	57.21 -1.93 3.21	69.85 -2.63 9.60	57.82 -2.13 10.95	46.34 -1.52 2.85	43.20 -1.29 0.07	40.41 -1.25 0.00	39.49 -1.18 0.00	40.12 -1.25 0.25	39.79 -1.23 0.00	41.43 -1.28 0.00	49.47 -1.64 0.00	61.92 -1.98 0.00	68.77 -2.52 9.83	68.80 -2.14 0.42	58.95 -1.95 0.00	48.92 -1.51 0.00	45.28 -1.45 0.00	42.56 -1.41 0.00



SITHE___BATAVIA 24024	38.50 -0.08 0.00	36.52 -0.15 0.00	36.42 -0.15 0.00	35.96 -0.07 0.00	35.93 -0.33 0.00	41.06 -0.58 0.00	61.30 -1.06 0.00	79.37 -2.71 0.00	69.91 -0.99 0.00	50.76 0.05 0.00	44.88 0.31 0.00	41.83 0.17 0.00	41.12 0.45 0.00	41.70 0.08 0.00	41.15 0.12 0.00	42.54 -0.17 0.00	49.78 -1.33 0.00	62.44 -1.47 0.00	79.21 -1.71 0.21	70.16 -1.14 0.05	59.62 -1.28 0.00	50.48 0.05 0.00	46.50 -0.23 0.00	43.57 -0.40 0.00
SITHE___INDEPEND 23800	37.34 -1.23 0.00	35.49 -1.17 0.00	35.39 -1.17 0.00	34.84 -1.19 0.00	35.06 -1.20 0.00	40.27 -1.37 0.00	57.21 -1.93 3.21	69.85 -2.63 9.60	57.82 -2.13 10.95	46.34 -1.52 2.85	43.21 -1.29 0.07	40.41 -1.25 0.00	39.49 -1.18 0.00	40.12 -1.25 0.25	39.75 -1.27 0.00	41.42 -1.28 0.00	49.47 -1.64 0.00	61.86 -2.05 0.00	68.77 -2.51 9.83	68.73 -2.21 0.42	58.95 -1.95 0.00	48.92 -1.51 0.00	45.23 -1.50 0.00	42.56 -1.41 0.00
SITHE___MASSENA 23902	39.30 0.73 0.00	37.36 0.69 0.00	37.22 0.66 0.00	36.75 0.72 0.00	36.91 0.65 0.00	42.39 0.75 0.00	63.35 0.99 0.00	83.14 1.06 0.00	71.97 1.07 0.00	51.72 1.01 0.00	45.51 0.94 0.00	42.62 0.96 0.00	41.48 0.81 0.00	42.45 0.83 0.00	41.80 0.78 0.00	43.35 0.64 0.00	51.72 0.62 0.00	64.61 0.70 0.00	81.69 0.57 0.00	72.22 0.86 0.00	62.12 1.22 0.00	51.44 1.01 0.00	47.80 1.08 0.00	44.90 0.92 0.00
SITHE___OGDNSBRG 24021	40.00 1.43 0.00	38.09 1.43 0.00	37.88 1.32 0.00	37.40 1.37 0.00	37.59 1.34 0.00	43.18 1.54 0.00	64.73 2.37 0.00	84.95 2.87 0.00	73.17 2.27 0.00	52.18 1.47 0.00	45.86 1.29 0.00	43.12 1.46 0.00	41.93 1.26 0.00	42.86 1.25 0.00	42.21 1.19 0.00	43.52 0.81 0.00	51.98 0.87 0.00	65.18 1.28 0.00	82.58 1.46 0.00	73.71 2.35 0.00	63.33 2.44 0.00	52.45 2.02 0.00	48.83 2.10 0.00	45.77 1.80 0.00
SITHE___STERLING 23777	39.30 0.73 0.00	37.44 0.77 0.00	37.33 0.77 0.00	36.71 0.68 0.00	37.02 0.76 0.00	42.68 1.04 0.00	64.41 2.05 0.00	84.87 2.79 0.00	73.31 2.41 0.00	51.98 1.27 0.00	45.64 1.07 0.00	42.66 1.00 0.00	41.61 0.94 0.00	42.49 0.88 0.00	41.80 0.78 0.00	43.60 0.90 0.00	52.28 1.18 0.00	65.50 1.60 0.00	83.30 2.27 0.09	73.68 2.35 0.02	62.60 1.70 0.00	51.94 1.51 0.00	48.03 1.31 0.00	45.07 1.10 0.00
SLEIGHT__34_KV_TB1 80719	37.96 -0.62 0.00	36.04 -0.62 0.00	35.98 -0.58 0.00	35.35 -0.68 0.00	35.60 -0.65 0.00	40.89 -0.75 0.00	61.62 -0.87 -0.13	80.82 -1.64 -0.38	70.56 -0.78 -0.44	50.52 -0.30 -0.11	44.40 -0.18 0.00	41.46 -0.21 0.00	40.59 -0.08 0.00	41.33 -0.29 -0.01	40.61 -0.41 0.00	42.32 -0.38 0.00	50.14 -0.97 0.00	62.76 -1.15 0.00	80.05 -1.22 -0.14	70.38 -0.93 0.05	59.86 -1.04 0.00	49.97 -0.45 0.00	46.03 -0.70 0.00	43.31 -0.66 0.00
SMITHTWN_69_KV_BK 1 55830	40.19 1.62 0.00	37.87 1.21 0.00	37.73 1.17 0.00	37.08 1.04 0.00	37.34 1.09 0.00	43.22 1.58 0.00	55.84 1.56 8.08	66.19 2.95 18.84	66.53 2.27 6.64	52.26 2.13 0.58	46.75 2.18 0.00	33.61 1.87 9.93	30.63 2.07 12.12	29.27 2.33 14.67	29.79 2.42 13.65	34.17 2.14 10.67	52.52 2.40 0.99	63.59 2.30 2.62	66.67 3.24 17.69	69.28 2.35 4.43	62.47 1.58 0.02	51.35 1.06 0.14	47.65 0.93 0.02	45.72 1.76 0.00
SOUTH CAIRO___GT 23612	39.77 1.20 0.00	37.87 1.21 0.00	37.73 1.17 0.00	37.26 1.23 0.00	38.07 1.81 0.00	43.85 2.21 0.00	66.29 3.93 0.00	86.92 4.84 0.00	74.09 3.19 0.00	51.72 1.01 0.00	44.97 0.40 0.00	41.91 0.25 0.00	40.91 0.24 0.00	41.91 0.29 0.00	41.52 0.49 0.00	43.47 0.77 0.00	52.23 1.12 0.00	66.08 2.17 0.00	84.17 3.08 0.04	73.77 2.43 0.01	62.97 2.07 0.00	52.04 1.61 0.00	48.18 1.45 0.00	45.47 1.49 0.00
SOUTH HAMPTN___IC 23720	39.77 1.20 0.00	37.51 0.84 0.00	37.43 0.88 0.00	36.79 0.76 0.00	37.12 0.87 0.00	43.06 1.42 0.00	55.75 1.56 8.17	66.08 3.04 19.04	66.82 2.62 6.71	52.66 2.53 0.59	46.97 2.41 0.00	35.91 1.79 7.55	33.41 1.95 9.21	32.63 2.16 11.15	32.74 2.09 10.38	36.38 1.79 8.11	52.51 2.40 1.00	63.43 2.17 2.65	66.24 3.00 17.88	69.44 2.57 4.48	62.59 1.70 0.02	51.45 1.16 0.14	47.32 0.61 0.02	45.11 1.14 0.00
SOUTHDOW_115KV_TB1 355954	39.11 0.54 0.00	37.14 0.48 0.00	36.89 0.33 0.00	36.14 0.11 0.00	36.29 0.04 0.00	41.68 0.04 0.00	62.61 0.25 0.00	80.93 -1.15 0.00	71.12 0.21 0.00	51.83 1.12 0.00	45.64 1.07 0.00	42.62 0.96 0.00	41.69 1.02 0.00	42.45 0.83 0.00	41.39 0.37 0.00	43.13 0.43 0.00	49.83 -1.28 0.00	62.95 -0.96 0.00	80.59 -0.32 0.20	71.30 0.00 0.05	60.47 -0.43 0.00	51.18 0.76 0.00	46.91 0.19 0.00	44.19 0.22 0.00
SOUTHOLD_69_KV_BK 2 55809	39.76 1.20 0.00	37.54 0.88 0.00	37.55 0.99 0.00	37.00 0.97 0.00	37.34 1.09 0.00	43.39 1.75 0.00	56.37 2.18 8.17	67.14 4.10 19.04	67.67 3.47 6.71	53.22 3.09 0.59	47.55 2.99 0.00	36.33 2.21 7.54	33.86 2.40 9.21	33.05 2.58 11.15	33.23 2.58 10.37	36.90 2.31 8.11	53.23 3.12 1.00	64.26 3.00 2.65	67.30 4.06 17.88	70.23 3.35 4.48	63.32 2.44 0.02	51.85 1.56 0.14	47.83 1.12 0.02	45.90 1.93 0.00
SOUTHOLD___IC 23719	39.77 1.20 0.00	37.54 0.88 0.00	37.55 0.99 0.00	36.96 0.94 0.00	37.34 1.09 0.00	43.39 1.75 0.00	56.31 2.12 8.17	66.98 3.94 19.04	67.67 3.47 6.71	53.22 3.09 0.59	47.42 2.86 0.00	36.33 2.21 7.54	33.86 2.40 9.21	33.05 2.58 11.15	33.11 2.46 10.37	36.81 2.22 8.11	53.02 2.91 1.00	64.14 2.88 2.65	67.21 3.97 17.88	70.30 3.42 4.48	63.26 2.37 0.02	51.95 1.66 0.14	47.74 1.03 0.02	45.50 1.54 0.00
SOUTH_FORK_WT_PWR 323839	39.42 0.85 0.00	37.25 0.58 0.00	37.33 0.77 0.00	36.79 0.76 0.00	37.19 0.94 0.00	43.31 1.67 0.00	56.13 1.94 8.17	66.82 3.78 19.04	67.53 3.33 6.71	53.17 3.04 0.59	47.42 2.86 0.00	36.28 2.17 7.54	33.82 2.36 9.21	32.96 2.50 11.15	32.98 2.34 10.38	36.68 2.09 8.11	52.92 2.81 1.00	63.94 2.68 2.65	66.97 3.73 17.88	70.09 3.21 4.48	63.07 2.19 0.02	51.80 1.51 0.14	47.60 0.89 0.02	45.37 1.41 0.00
SPIERFLS_115KV_TB 1 80737	39.42 0.85 0.00	37.47 0.81 0.00	37.40 0.84 0.00	36.93 0.90 0.00	37.16 0.91 0.00	42.73 1.08 0.00	64.36 2.00 0.00	84.54 2.46 0.00	72.75 1.84 0.00	51.22 0.51 0.00	44.79 0.22 0.00	41.83 0.17 0.00	40.79 0.12 0.00	41.82 0.21 0.00	41.39 0.37 0.00	43.17 0.47 0.00	52.23 1.12 0.00	65.82 1.92 0.00	83.68 2.60 0.03	73.13 1.78 0.01	62.48 1.58 0.00	51.39 0.96 0.00	47.71 0.98 0.00	44.98 1.01 0.00
ST LAWRENCE____ 23600	38.77 0.19 0.00	36.85 0.18 0.00	36.71 0.15 0.00	36.25 0.22 0.00	36.44 0.18 0.00	41.85 0.21 0.00	62.55 0.19 0.00	82.16 0.08 0.00	71.12 0.21 0.00	50.96 0.25 0.00	44.88 0.31 0.00	41.91 0.25 0.00	40.87 0.20 0.00	41.82 0.21 0.00	41.19 0.16 0.00	42.83 0.13 0.00	51.16 0.05 0.00	63.97 0.06 0.00	80.96 -0.16 0.00	71.36 0.00 0.00	61.20 0.31 0.00	50.68 0.25 0.00	47.06 0.33 0.00	44.24 0.27 0.00



STATE_CA_115KV_115_LB 55624	38.88 0.31 0.00	37.10 0.44 0.00	36.89 0.33 0.00	36.39 0.36 0.00	36.58 0.33 0.00	42.06 0.42 0.00	62.80 0.44 0.00	82.74 0.66 0.00	71.12 0.21 0.00	50.56 -0.15 0.00	44.39 -0.18 0.00	41.58 -0.08 0.00	40.63 -0.04 0.00	41.62 0.00 0.00	41.19 0.16 0.00	42.83 0.13 0.00	51.62 0.51 0.00	64.67 0.77 0.00	81.98 0.89 0.03	71.70 0.36 0.01	61.32 0.43 0.00	50.48 0.05 0.00	46.87 0.14 0.00	44.19 0.22 0.00
STATE_ST_34_KV_LOAD 55959	38.38 -0.19 0.00	36.48 -0.18 0.00	36.41 -0.15 0.00	35.82 -0.22 0.00	36.04 -0.22 0.00	41.48 -0.17 0.00	62.78 0.12 -0.29	82.95 0.00 -0.87	72.04 0.14 -1.00	51.07 0.10 -0.26	44.67 0.09 -0.01	41.71 0.04 0.00	40.75 0.08 0.00	41.68 0.04 -0.02	40.94 -0.08 0.00	42.75 0.04 0.00	50.95 -0.15 0.00	63.91 0.00 0.00	82.06 0.32 -0.61	71.68 0.36 0.04	60.96 0.06 0.00	50.63 0.20 0.00	46.73 0.00 0.00	43.97 0.00 0.00
STATION_5_MISC_HYD 23604	38.26 -0.31 0.00	36.30 -0.37 0.00	36.23 -0.33 0.00	35.78 -0.25 0.00	35.86 -0.40 0.00	41.06 -0.58 0.00	61.49 -0.87 0.00	80.27 -1.81 0.00	70.19 -0.71 0.00	50.61 -0.10 0.00	44.70 0.13 0.00	41.71 0.04 0.00	40.92 0.25 0.00	41.62 0.00 0.00	41.06 0.04 0.00	42.54 -0.17 0.00	50.29 -0.82 0.00	62.95 -0.96 0.00	79.70 -1.21 0.21	70.45 -0.85 0.06	59.99 -0.91 0.00	50.28 -0.15 0.00	46.35 -0.38 0.00	43.49 -0.48 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	38.23 -0.35 0.00	36.30 -0.37 0.00	36.27 -0.29 0.00	35.63 -0.40 0.00	35.85 -0.40 0.00	41.18 -0.46 0.00	62.00 -0.50 -0.13	81.33 -1.15 -0.40	71.00 -0.35 -0.46	50.78 -0.05 -0.12	44.66 0.09 0.00	41.66 0.00 0.00	40.79 0.12 0.00	41.58 -0.04 -0.01	40.86 -0.16 0.00	42.58 -0.13 0.00	50.39 -0.72 0.00	63.14 -0.77 0.00	80.55 -0.73 -0.16	70.81 -0.50 0.05	60.23 -0.67 0.00	50.33 -0.10 0.00	46.35 -0.37 0.00	43.57 -0.40 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	37.99 -0.58 0.00	36.08 -0.59 0.00	36.01 -0.55 0.00	35.38 -0.65 0.00	35.60 -0.65 0.00	40.81 -0.83 0.00	61.11 -1.25 0.00	79.78 -2.30 0.00	69.77 -1.13 0.00	50.30 -0.41 0.00	44.39 -0.18 0.00	41.41 -0.25 0.00	40.63 -0.04 0.00	41.32 -0.29 0.00	40.61 -0.41 0.00	42.28 -0.43 0.00	49.88 -1.23 0.00	62.44 -1.47 0.00	79.29 -1.62 0.21	70.02 -1.28 0.05	59.62 -1.28 0.00	49.97 -0.45 0.00	45.93 -0.79 0.00	43.22 -0.75 0.00
STA_56___34_KV_BUS2 355983	37.99 -0.58 0.00	36.08 -0.59 0.00	36.01 -0.55 0.00	35.38 -0.65 0.00	35.60 -0.65 0.00	40.81 -0.83 0.00	61.11 -1.25 0.00	79.78 -2.30 0.00	69.77 -1.13 0.00	50.30 -0.41 0.00	44.39 -0.18 0.00	41.41 -0.25 0.00	40.63 -0.04 0.00	41.32 -0.29 0.00	40.61 -0.41 0.00	42.28 -0.43 0.00	49.88 -1.23 0.00	62.44 -1.47 0.00	79.29 -1.62 0.21	70.02 -1.28 0.05	59.62 -1.28 0.00	49.97 -0.45 0.00	45.93 -0.79 0.00	43.22 -0.75 0.00
STA_67___115KV_BK2 355882	38.19 -0.39 0.00	36.26 -0.40 0.00	36.20 -0.37 0.00	35.53 -0.50 0.00	35.75 -0.51 0.00	40.98 -0.67 0.00	61.36 -1.00 0.00	80.03 -2.05 0.00	69.98 -0.92 0.00	50.51 -0.20 0.00	44.62 0.04 0.00	41.62 -0.04 0.00	40.83 0.16 0.00	41.53 -0.08 0.00	40.78 -0.25 0.00	42.45 -0.26 0.00	50.03 -1.07 0.00	62.63 -1.28 0.00	79.53 -1.38 0.21	70.23 -1.07 0.06	59.80 -1.10 0.00	50.18 -0.25 0.00	46.12 -0.61 0.00	43.44 -0.53 0.00
STA_7___115KV_9TRANS 80674	38.42 -0.15 0.00	36.44 -0.22 0.00	36.38 -0.18 0.00	35.74 -0.29 0.00	35.96 -0.29 0.00	41.18 -0.46 0.00	61.74 -0.62 0.00	80.60 -1.48 0.00	70.55 -0.35 0.00	50.86 0.15 0.00	44.93 0.36 0.00	41.91 0.25 0.00	41.12 0.45 0.00	41.82 0.21 0.00	41.06 0.04 0.00	42.71 0.00 0.00	50.39 -0.72 0.00	63.08 -0.83 0.00	80.10 -0.81 0.21	70.80 -0.50 0.06	60.23 -0.67 0.00	50.53 0.10 0.00	46.45 -0.28 0.00	43.66 -0.31 0.00
STA_82___115KV_TB1 80780	38.23 -0.35 0.00	36.26 -0.40 0.00	36.20 -0.37 0.00	35.56 -0.47 0.00	35.78 -0.47 0.00	40.98 -0.67 0.00	61.36 -1.00 0.00	80.03 -2.05 0.00	70.05 -0.85 0.00	50.51 -0.20 0.00	44.62 0.04 0.00	41.62 -0.04 0.00	40.83 0.16 0.00	41.53 -0.08 0.00	40.82 -0.21 0.00	42.45 -0.26 0.00	50.03 -1.07 0.00	62.69 -1.21 0.00	79.53 -1.38 0.21	70.30 -1.00 0.05	59.80 -1.10 0.00	50.23 -0.20 0.00	46.12 -0.61 0.00	43.44 -0.53 0.00
STEEL___WIND 323596	38.07 -0.50 0.00	36.15 -0.51 0.00	35.90 -0.66 0.00	35.49 -0.54 0.00	35.38 -0.87 0.00	40.48 -1.17 0.00	60.18 -2.18 0.00	77.57 -4.51 0.00	68.42 -2.48 0.00	50.15 -0.56 0.00	44.35 -0.22 0.00	41.41 -0.25 0.00	40.67 0.00 0.00	41.33 -0.29 0.00	40.69 -0.33 0.00	42.19 -0.51 0.00	48.91 -2.20 0.00	61.41 -2.49 0.00	78.08 -2.84 0.20	69.02 -2.29 0.05	58.65 -2.25 0.00	49.67 -0.76 0.00	45.84 -0.89 0.00	43.04 -0.93 0.00
STEPHTWN_115KV_BK_2 55603	39.00 0.42 0.00	37.21 0.55 0.00	37.00 0.44 0.00	36.54 0.50 0.00	36.72 0.47 0.00	42.23 0.58 0.00	63.11 0.75 0.00	83.15 1.07 0.00	71.47 0.57 0.00	50.76 0.05 0.00	44.57 0.00 0.00	41.71 0.04 0.00	40.75 0.08 0.00	41.74 0.12 0.00	41.27 0.25 0.00	42.96 0.26 0.00	51.82 0.72 0.00	64.99 1.09 0.00	82.38 1.30 0.03	72.06 0.71 0.01	61.63 0.73 0.00	50.73 0.30 0.00	47.10 0.37 0.00	44.41 0.44 0.00
STEUBEN_REC_LFGE 323667	38.42 -0.15 0.00	36.52 -0.15 0.00	36.38 -0.18 0.00	35.71 -0.32 0.00	35.93 -0.33 0.00	41.27 -0.37 0.00	61.92 -0.44 0.00	80.44 -1.64 0.00	70.26 -0.64 0.00	50.76 0.05 0.00	44.62 0.04 0.00	41.54 -0.12 0.00	40.63 -0.04 0.00	41.41 -0.21 0.00	40.49 -0.53 0.00	42.58 -0.13 0.00	49.83 -1.28 0.00	62.95 -0.96 0.00	80.77 -0.16 0.19	71.38 0.07 0.05	60.59 -0.30 0.00	50.83 0.40 0.00	46.73 0.00 0.00	44.10 0.13 0.00
STILLWATER___SOLAR 323814	39.69 1.12 0.00	37.73 1.06 0.00	37.66 1.10 0.00	37.11 1.08 0.00	37.38 1.13 0.00	42.98 1.33 0.00	64.54 2.18 0.00	84.87 2.79 0.00	73.03 2.13 0.00	51.62 0.91 0.00	45.11 0.54 0.00	42.17 0.50 0.00	41.12 0.45 0.00	42.20 0.58 0.00	41.68 0.65 0.00	43.51 0.81 0.00	52.64 1.53 0.00	66.27 2.37 0.00	84.09 3.00 0.03	73.63 2.28 0.01	62.90 2.01 0.00	51.74 1.31 0.00	47.99 1.26 0.00	45.25 1.28 0.00
STONY___BROOK 24151	40.11 1.54 0.00	37.80 1.14 0.00	37.69 1.13 0.00	37.00 0.97 0.00	37.26 1.01 0.00	43.18 1.54 0.00	55.69 1.44 8.11	65.97 2.79 18.90	66.44 2.20 6.66	52.21 2.08 0.58	46.62 2.05 0.00	34.99 1.83 8.50	32.32 2.03 10.38	31.33 2.29 12.57	31.58 2.25 11.70	35.53 1.97 9.15	52.31 2.20 0.99	63.38 2.11 2.63	66.37 3.00 17.75	69.19 2.28 4.44	62.41 1.52 0.02	51.40 1.11 0.14	47.46 0.75 0.02	45.28 1.32 0.00
STURGEON_POOL_HYD 23609	40.46 1.89 0.00	38.35 1.69 0.00	38.21 1.65 0.00	37.62 1.59 0.00	37.89 1.63 0.00	43.64 2.00 0.00	65.42 3.06 0.00	86.68 4.60 0.00	74.45 3.55 0.00	53.19 2.48 0.00	46.71 2.14 0.00	43.66 2.00 0.00	42.70 2.03 0.00	43.78 2.16 0.00	43.20 2.17 0.00	44.88 2.18 0.00	53.82 2.71 0.00	67.17 3.26 0.00	85.62 4.54 0.04	75.06 3.71 0.01	63.52 2.62 0.00	52.70 2.27 0.00	48.88 2.15 0.00	45.99 2.02 0.00



ST_LAW_115_BK7_LBMP 345037	38.81 0.23 0.00	36.89 0.22 0.00	36.74 0.18 0.00	36.29 0.25 0.00	36.47 0.22 0.00	41.89 0.25 0.00	62.55 0.19 0.00	82.24 0.16 0.00	71.12 0.21 0.00	51.02 0.31 0.00	44.93 0.35 0.00	42.00 0.33 0.00	40.92 0.25 0.00	41.87 0.25 0.00	41.23 0.21 0.00	42.83 0.13 0.00	51.21 0.10 0.00	63.97 0.06 0.00	80.96 -0.16 0.00	71.43 0.07 0.00	61.27 0.37 0.00	50.73 0.30 0.00	47.10 0.37 0.00	44.28 0.31 0.00
ST_LAW_115_BK8_LBMP 345038	38.81 0.23 0.00	36.89 0.22 0.00	36.74 0.18 0.00	36.29 0.25 0.00	36.47 0.22 0.00	41.89 0.25 0.00	62.55 0.19 0.00	82.24 0.16 0.00	71.12 0.21 0.00	51.02 0.31 0.00	44.93 0.35 0.00	42.00 0.33 0.00	40.92 0.25 0.00	41.87 0.25 0.00	41.23 0.21 0.00	42.83 0.13 0.00	51.21 0.10 0.00	63.97 0.06 0.00	80.96 -0.16 0.00	71.43 0.07 0.00	61.27 0.37 0.00	50.73 0.30 0.00	47.10 0.37 0.00	44.28 0.31 0.00
ST_LAW_230_BK5_LBMP 345035	38.77 0.19 0.00	36.85 0.18 0.00	36.71 0.15 0.00	36.25 0.22 0.00	36.44 0.18 0.00	41.85 0.21 0.00	62.55 0.19 0.00	82.16 0.08 0.00	71.12 0.21 0.00	50.96 0.25 0.00	44.88 0.31 0.00	41.91 0.25 0.00	40.87 0.20 0.00	41.82 0.21 0.00	41.19 0.16 0.00	42.83 0.13 0.00	51.16 0.05 0.00	63.97 0.06 0.00	80.96 -0.16 0.00	71.36 0.00 0.00	61.20 0.31 0.00	50.68 0.25 0.00	47.06 0.33 0.00	44.24 0.27 0.00
ST_LAW_230_BK6_LBMP 345036	38.77 0.19 0.00	36.85 0.18 0.00	36.71 0.15 0.00	36.25 0.22 0.00	36.44 0.18 0.00	41.85 0.21 0.00	62.55 0.19 0.00	82.16 0.08 0.00	71.12 0.21 0.00	50.96 0.25 0.00	44.88 0.31 0.00	41.91 0.25 0.00	40.87 0.20 0.00	41.82 0.21 0.00	41.19 0.16 0.00	42.83 0.13 0.00	51.16 0.05 0.00	63.97 0.06 0.00	80.96 -0.16 0.00	71.36 0.00 0.00	61.20 0.31 0.00	50.68 0.25 0.00	47.06 0.33 0.00	44.24 0.27 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	40.42 1.85 0.00	38.35 1.69 0.00	38.17 1.61 0.00	37.58 1.55 0.00	37.81 1.56 0.00	43.60 1.96 0.00	65.29 2.93 0.00	86.60 4.51 0.00	74.45 3.55 0.00	53.31 2.59 -0.01	46.85 2.27 0.00	43.79 2.12 0.00	42.83 2.16 0.00	43.95 2.33 0.00	43.36 2.34 0.00	45.01 2.31 0.00	53.94 2.81 -0.02	67.23 3.32 0.00	85.70 4.62 0.05	75.13 3.78 0.01	63.46 2.56 0.00	52.55 2.12 0.00	48.74 2.01 0.00	45.86 1.89 0.00
SWANROAD_115KV_TB1 355699	37.26 -1.31 0.00	35.31 -1.36 0.00	35.14 -1.43 0.00	34.45 -1.59 0.00	34.62 -1.63 0.00	39.56 -2.08 0.00	58.37 -3.99 0.00	74.94 -7.14 0.00	66.44 -4.47 0.00	48.88 -1.83 0.00	43.28 -1.29 0.00	40.41 -1.25 0.00	39.73 -0.94 0.00	40.33 -1.29 0.00	39.42 -1.60 0.00	41.17 -1.54 0.00	47.43 -3.68 0.00	59.37 -4.54 0.00	75.64 -5.27 0.20	66.88 -4.42 0.05	56.88 -4.02 0.00	48.41 -2.02 0.00	44.39 -2.34 0.00	42.08 -1.89 0.00
SYNERGY___BIOGAS 323694	38.50 -0.08 0.00	36.52 -0.15 0.00	36.41 -0.15 0.00	35.71 -0.32 0.00	35.89 -0.36 0.00	41.06 -0.58 0.00	61.30 -1.06 0.00	79.29 -2.79 0.00	69.91 -0.99 0.00	50.76 0.05 0.00	44.88 0.31 0.00	41.83 0.17 0.00	41.12 0.45 0.00	41.70 0.08 0.00	40.86 -0.16 0.00	42.53 -0.17 0.00	49.57 -1.53 0.00	62.18 -1.73 0.00	79.21 -1.70 0.21	70.09 -1.21 0.05	59.62 -1.28 0.00	50.48 0.05 0.00	46.21 -0.51 0.00	43.57 -0.40 0.00
SYRACUSE___ENERGY_ST1 323597	38.19 -0.39 0.00	36.30 -0.37 0.00	36.23 -0.33 0.00	35.63 -0.40 0.00	35.89 -0.36 0.00	41.27 -0.37 0.00	62.42 -0.31 -0.38	82.63 -0.57 -1.12	71.90 -0.28 -1.28	50.89 -0.15 -0.33	44.45 -0.13 -0.01	41.50 -0.17 0.00	40.55 -0.12 0.00	41.48 -0.17 -0.03	40.74 -0.29 0.00	42.53 -0.17 0.00	50.70 -0.41 0.00	63.46 -0.45 0.00	81.64 -0.32 -0.85	71.04 -0.29 0.03	60.53 -0.37 0.00	50.18 -0.25 0.00	46.40 -0.33 0.00	43.66 -0.31 0.00
SYRACUSE___ENERGY_ST2 323598	38.19 -0.39 0.00	36.30 -0.37 0.00	36.23 -0.33 0.00	35.63 -0.40 0.00	35.89 -0.36 0.00	41.27 -0.37 0.00	62.42 -0.31 -0.38	82.63 -0.57 -1.12	71.90 -0.28 -1.28	50.89 -0.15 -0.33	44.45 -0.13 -0.01	41.50 -0.17 0.00	40.55 -0.12 0.00	41.48 -0.17 -0.03	40.74 -0.29 0.00	42.53 -0.17 0.00	50.70 -0.41 0.00	63.46 -0.45 0.00	81.64 -0.32 -0.85	71.04 -0.29 0.03	60.53 -0.37 0.00	50.18 -0.25 0.00	46.40 -0.33 0.00	43.66 -0.31 0.00
SYRACUSE___POWER 24017	38.15 -0.42 0.00	36.26 -0.40 0.00	36.16 -0.40 0.00	35.60 -0.43 0.00	35.82 -0.44 0.00	41.18 -0.46 0.00	62.04 -0.44 -0.12	81.79 -0.66 -0.36	70.89 -0.43 -0.41	50.56 -0.25 -0.11	44.35 -0.22 0.00	41.41 -0.25 0.00	40.47 -0.20 0.00	41.38 -0.25 -0.01	40.70 -0.33 0.00	42.49 -0.21 0.00	50.65 -0.46 0.00	63.40 -0.51 0.00	80.82 -0.41 -0.11	70.95 -0.36 0.05	60.41 -0.49 0.00	50.13 -0.30 0.00	46.31 -0.42 0.00	43.57 -0.40 0.00
TALLMAN__138KV_BK151 55660	40.66 2.08 0.00	38.53 1.87 0.00	38.32 1.75 0.00	37.76 1.73 0.00	37.99 1.74 0.00	43.81 2.17 0.00	65.67 3.31 0.00	87.25 5.17 0.00	75.01 4.11 0.00	53.72 2.99 -0.02	47.25 2.67 0.00	44.17 2.50 0.00	43.23 2.56 0.00	44.32 2.71 0.00	43.77 2.75 0.00	45.40 2.69 0.00	54.31 3.17 -0.03	67.68 3.77 0.00	86.26 5.19 0.05	75.55 4.21 0.01	63.76 2.86 0.00	52.75 2.32 0.00	48.92 2.20 0.00	46.04 2.07 0.00
TEALLAVE_115KV_TB7 355573	38.03 -0.54 0.00	36.15 -0.51 0.00	36.05 -0.51 0.00	35.49 -0.54 0.00	35.71 -0.54 0.00	41.02 -0.62 0.00	61.79 -0.69 -0.12	81.44 -0.98 -0.34	70.59 -0.71 -0.39	50.36 -0.46 -0.10	44.22 -0.36 0.00	41.29 -0.37 0.00	40.34 -0.33 0.00	41.25 -0.37 -0.01	40.57 -0.45 0.00	42.32 -0.38 0.00	50.44 -0.66 0.00	63.14 -0.77 0.00	80.40 -0.81 -0.10	70.59 -0.71 0.05	60.17 -0.73 0.00	49.92 -0.50 0.00	46.12 -0.61 0.00	43.40 -0.57 0.00
TELGRAPH_34_KV_EAST 80808	37.99 -0.58 0.00	36.04 -0.62 0.00	35.90 -0.66 0.00	35.20 -0.83 0.00	35.38 -0.87 0.00	40.44 -1.21 0.00	60.05 -2.31 0.00	77.48 -4.60 0.00	68.42 -2.48 0.00	50.00 -0.71 0.00	44.26 -0.31 0.00	41.29 -0.37 0.00	40.59 -0.08 0.00	41.20 -0.42 0.00	40.33 -0.70 0.00	42.06 -0.64 0.00	48.71 -2.40 0.00	61.03 -2.88 0.00	77.75 -3.16 0.21	68.80 -2.50 0.05	58.46 -2.44 0.00	49.62 -0.81 0.00	45.47 -1.26 0.00	42.96 -1.01 0.00
TEMPLE___115KV_TB 2 55572	38.03 -0.54 0.00	36.15 -0.51 0.00	36.05 -0.51 0.00	35.49 -0.54 0.00	35.71 -0.54 0.00	41.06 -0.58 0.00	61.77 -0.69 -0.09	81.38 -0.98 -0.28	70.58 -0.64 -0.32	50.39 -0.41 -0.08	44.22 -0.36 0.00	41.33 -0.33 0.00	40.39 -0.28 0.00	41.29 -0.33 -0.01	40.61 -0.41 0.00	42.36 -0.34 0.00	50.49 -0.61 0.00	63.14 -0.77 0.00	80.42 -0.73 -0.03	70.66 -0.64 0.06	60.17 -0.73 0.00	49.92 -0.50 0.00	46.12 -0.61 0.00	43.40 -0.57 0.00
TIANA____69_KV_BK 1 55817	39.76 1.20 0.00	37.51 0.84 0.00	37.44 0.88 0.00	36.82 0.79 0.00	37.09 0.83 0.00	42.97 1.33 0.00	55.63 1.43 8.17	66.08 3.04 19.04	66.67 2.48 6.71	52.56 2.43 0.59	46.97 2.41 0.00	35.83 1.71 7.54	33.33 1.87 9.21	32.55 2.08 11.15	32.78 2.13 10.37	36.39 1.79 8.11	52.62 2.50 1.00	63.43 2.17 2.65	66.16 2.92 17.88	69.16 2.28 4.48	62.53 1.64 0.02	51.25 0.96 0.14	47.37 0.65 0.02	45.46 1.49 0.00



TILDEN___115KV_TB1 80814	38.15 -0.42 0.00	36.26 -0.40 0.00	36.16 -0.40 0.00	35.60 -0.43 0.00	35.82 -0.44 0.00	41.18 -0.46 0.00	62.04 -0.44 -0.12	81.79 -0.66 -0.36	70.89 -0.43 -0.41	50.56 -0.25 -0.11	44.35 -0.22 0.00	41.41 -0.25 0.00	40.47 -0.20 0.00	41.38 -0.25 -0.01	40.70 -0.33 0.00	42.49 -0.21 0.00	50.65 -0.46 0.00	63.40 -0.51 0.00	80.82 -0.41 -0.11	70.95 -0.36 0.05	60.41 -0.49 0.00	50.13 -0.30 0.00	46.31 -0.42 0.00	43.57 -0.40 0.00
TRIGEN___CC 323695	40.40 1.81 -0.01	38.13 1.47 0.00	37.99 1.43 0.00	37.36 1.33 0.00	37.59 1.34 0.00	43.49 1.83 -0.01	62.76 2.31 1.91	81.58 3.94 4.44	72.38 3.05 1.57	53.11 2.54 0.13	46.93 2.36 0.00	43.95 2.29 0.00	43.11 2.44 0.00	44.36 2.75 0.00	43.77 2.75 0.00	45.18 2.48 0.00	53.75 2.86 0.22	66.29 3.00 0.62	81.05 4.14 4.21	73.58 3.28 1.06	62.96 2.07 0.01	52.00 1.61 0.04	48.31 1.59 0.01	46.01 2.02 -0.02
TRINITY___115KV___4 BK 55933	38.69 0.12 0.00	36.92 0.26 0.00	36.71 0.15 0.00	36.21 0.18 0.00	36.40 0.15 0.00	41.85 0.21 0.00	62.36 0.00 0.00	82.16 0.08 0.00	70.62 -0.28 0.00	50.30 -0.41 0.00	44.12 -0.45 0.00	41.33 -0.33 0.00	40.43 -0.24 0.00	41.41 -0.21 0.00	40.94 -0.08 0.00	42.58 -0.13 0.00	51.31 0.20 0.00	64.29 0.38 0.00	81.41 0.32 0.03	71.28 -0.07 0.01	60.96 0.06 0.00	50.18 -0.25 0.00	46.59 -0.14 0.00	43.97 0.00 0.00
UNION___PROCESSING_DRP 323587	38.23 -0.35 0.00	36.26 -0.40 0.00	36.20 -0.37 0.00	35.56 -0.47 0.00	35.78 -0.47 0.00	41.02 -0.62 0.00	61.36 -1.00 0.00	80.03 -2.05 0.00	70.05 -0.85 0.00	50.51 -0.20 0.00	44.62 0.04 0.00	41.62 -0.04 0.00	40.83 0.16 0.00	41.53 -0.08 0.00	40.82 -0.21 0.00	42.45 -0.26 0.00	50.09 -1.02 0.00	62.69 -1.21 0.00	79.61 -1.30 0.21	70.30 -1.00 0.05	59.86 -1.04 0.00	50.23 -0.20 0.00	46.17 -0.56 0.00	43.44 -0.53 0.00
UPPER HUDSON___HYD 24058	39.42 0.85 0.00	37.47 0.81 0.00	37.40 0.84 0.00	36.89 0.86 0.00	37.16 0.91 0.00	42.72 1.08 0.00	64.36 2.00 0.00	84.54 2.46 0.00	72.74 1.84 0.00	51.22 0.51 0.00	44.79 0.22 0.00	41.83 0.17 0.00	40.79 0.12 0.00	41.82 0.21 0.00	41.35 0.33 0.00	43.18 0.47 0.00	52.23 1.12 0.00	65.82 1.92 0.00	83.68 2.60 0.03	73.20 1.85 0.01	62.48 1.58 0.00	51.38 0.96 0.00	47.66 0.93 0.00	44.98 1.01 0.00
UPPER RAQUET___HYD 24056	39.61 1.04 0.00	37.69 1.03 0.00	37.51 0.95 0.00	37.04 1.01 0.00	37.23 0.98 0.00	42.72 1.08 0.00	64.04 1.68 0.00	84.05 1.97 0.00	72.60 1.70 0.00	51.98 1.27 0.00	45.73 1.16 0.00	43.33 1.67 0.00	42.13 1.46 0.00	43.04 1.42 -0.01	42.38 1.35 0.00	43.18 0.47 0.00	51.21 0.10 0.00	63.91 0.00 0.00	80.88 -0.24 0.00	72.07 0.71 0.00	62.42 1.52 0.00	51.79 1.36 0.00	48.41 1.68 0.00	45.33 1.36 0.00
VALLEY44_115KV_TB2 355964	37.80 -0.77 0.00	35.93 -0.73 0.00	35.72 -0.84 0.00	35.06 -0.97 0.00	35.20 -1.05 0.00	40.35 -1.29 0.00	60.61 -1.75 0.00	78.47 -3.61 0.00	68.78 -2.13 0.00	50.00 -0.71 0.00	44.12 -0.45 0.00	41.16 -0.50 0.00	40.34 -0.33 0.00	41.07 -0.54 0.00	40.16 -0.86 0.00	41.85 -0.85 0.00	48.55 -2.56 0.00	61.29 -2.62 0.00	78.32 -2.60 0.20	69.23 -2.07 0.05	58.64 -2.25 0.00	49.52 -0.91 0.00	45.37 -1.36 0.00	42.83 -1.14 0.00
VALLEY___115KV_TB 1-4 80826	39.65 1.08 0.00	37.76 1.10 0.00	37.66 1.10 0.00	37.04 1.01 0.00	37.34 1.09 0.00	42.81 1.17 0.00	64.29 1.93 0.00	84.71 2.63 0.00	73.17 2.27 0.00	52.18 1.47 0.00	45.91 1.34 0.00	42.91 1.25 0.00	41.81 1.14 0.00	42.74 1.12 0.00	42.09 1.07 0.00	43.82 1.11 0.00	52.54 1.43 0.00	65.63 1.73 0.00	83.39 2.27 0.00	73.43 2.07 0.00	62.54 1.64 0.00	51.99 1.56 0.00	48.18 1.45 0.00	45.33 1.36 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	40.08 1.50 0.00	38.13 1.47 0.00	38.02 1.46 0.00	37.40 1.37 0.00	37.74 1.49 0.00	43.27 1.62 0.00	65.23 2.87 0.00	86.18 4.10 0.00	74.52 3.62 0.00	52.99 2.28 0.00	46.62 2.05 0.00	43.54 1.87 0.00	42.42 1.75 0.00	43.32 1.71 0.00	42.62 1.60 0.00	44.46 1.75 0.00	53.31 2.20 0.00	66.53 2.62 0.00	84.58 3.57 0.11	74.68 3.35 0.03	63.39 2.50 0.00	52.65 2.22 0.00	48.69 1.96 0.00	45.73 1.76 0.00
VISCHER___FERRY HYD 24020	39.38 0.81 0.00	37.47 0.81 0.00	37.36 0.80 0.00	36.79 0.76 0.00	37.09 0.83 0.00	42.64 1.00 0.00	63.73 1.37 0.00	83.88 1.80 0.00	72.11 1.20 0.00	51.22 0.51 0.00	44.79 0.22 0.00	41.96 0.29 0.00	40.87 0.20 0.00	41.99 0.37 0.00	41.48 0.45 0.00	43.26 0.55 0.00	52.39 1.28 0.00	65.76 1.85 0.00	83.28 2.19 0.03	72.85 1.50 0.01	62.42 1.52 0.00	51.23 0.80 0.00	47.52 0.79 0.00	44.85 0.88 0.00
V_A_10_SYNC_DSASP 323832	37.84 -0.73 0.00	35.89 -0.77 0.00	35.72 -0.84 0.00	35.06 -0.97 0.00	35.24 -1.02 0.00	40.31 -1.33 0.00	59.62 -2.74 0.00	76.83 -5.25 0.00	67.85 -3.05 0.00	49.70 -1.01 0.00	43.99 -0.58 0.00	41.08 -0.58 0.00	40.34 -0.33 0.00	40.95 -0.67 0.00	40.12 -0.90 0.00	41.85 -0.85 0.00	48.55 -2.56 0.00	60.71 -3.20 0.00	77.26 -3.65 0.21	68.30 -3.00 0.05	58.16 -2.74 0.00	49.27 -1.16 0.00	45.19 -1.54 0.00	42.78 -1.19 0.00
V_CMM_10_SYNC_DSASP 323787	38.96 0.39 0.00	37.03 0.37 0.00	36.89 0.33 0.00	36.43 0.40 0.00	36.58 0.33 0.00	42.06 0.42 0.00	62.80 0.44 0.00	82.49 0.41 0.00	71.40 0.50 0.00	51.27 0.56 0.00	45.15 0.58 0.00	42.21 0.54 0.00	41.08 0.41 0.00	42.03 0.42 0.00	41.43 0.41 0.00	43.00 0.30 0.00	51.36 0.26 0.00	64.23 0.32 0.00	81.20 0.08 0.00	71.86 0.50 0.00	61.57 0.67 0.00	50.93 0.50 0.00	47.34 0.61 0.00	44.45 0.48 0.00
V_CMP_10_SYNC_DSASP 323788	39.11 0.54 0.00	37.18 0.51 0.00	37.04 0.47 0.00	36.64 0.61 0.00	36.80 0.54 0.00	42.31 0.66 0.00	62.74 0.38 0.00	82.41 0.33 0.00	71.40 0.50 0.00	51.37 0.66 0.00	45.51 0.94 0.00	42.37 0.71 0.00	41.24 0.57 0.00	42.20 0.58 0.00	41.56 0.53 0.00	43.26 0.55 0.00	51.36 0.26 0.00	64.29 0.39 0.00	81.12 0.00 0.00	71.57 0.21 0.00	61.63 0.73 0.00	50.93 0.50 0.00	47.61 0.89 0.00	44.67 0.70 0.00
V_D_10_SYNC_DSASP 323841	39.30 0.73 0.00	37.36 0.69 0.00	37.22 0.66 0.00	36.75 0.72 0.00	36.91 0.65 0.00	42.39 0.75 0.00	63.30 0.94 0.00	83.14 1.06 0.00	71.97 1.07 0.00	51.72 1.01 0.00	45.51 0.94 0.00	42.58 0.92 0.00	41.48 0.81 0.00	42.45 0.83 0.00	41.80 0.78 0.00	43.30 0.60 0.00	51.72 0.62 0.00	64.61 0.70 0.00	81.69 0.57 0.00	72.14 0.79 0.00	62.12 1.22 0.00	51.38 0.96 0.00	47.80 1.08 0.00	44.90 0.92 0.00
V_E_10_SYNC_DSASP 323830	40.77 2.20 0.00	39.01 2.35 0.00	38.87 2.30 0.00	38.08 2.05 0.00	38.50 2.25 0.00	44.18 2.54 0.00	67.29 4.93 0.00	88.81 6.73 0.00	76.72 5.82 0.00	54.00 3.29 0.00	47.34 2.76 0.00	44.12 2.46 0.00	42.86 2.19 0.00	43.53 1.92 0.00	42.75 1.72 0.00	44.92 2.22 0.00	54.02 2.91 0.00	68.00 4.09 0.00	86.80 5.84 0.16	77.31 5.99 0.04	65.34 4.44 0.00	54.36 3.94 0.00	50.14 3.41 0.00	46.87 2.90 0.00



V_F_30_NSYNC___DSASP 323816	39.73 1.16 0.00	37.76 1.10 0.00	37.70 1.13 0.00	37.15 1.12 0.00	37.41 1.16 0.00	43.01 1.37 0.00	64.67 2.31 0.00	84.95 2.87 0.00	73.17 2.27 0.00	51.72 1.01 0.00	45.24 0.67 0.00	42.25 0.58 0.00	41.20 0.53 0.00	42.28 0.66 0.00	41.76 0.74 0.00	43.60 0.90 0.00	52.74 1.64 0.00	66.33 2.43 0.00	84.17 3.08 0.03	73.70 2.35 0.01	62.97 2.07 0.00	51.84 1.41 0.00	48.08 1.36 0.00	45.29 1.32 0.00
V_F_30_SYNC_DSASP 323786	38.88 0.31 0.00	37.10 0.44 0.00	36.89 0.33 0.00	36.39 0.36 0.00	36.58 0.33 0.00	42.06 0.42 0.00	62.80 0.44 0.00	82.65 0.57 0.00	71.12 0.21 0.00	50.56 -0.15 0.00	44.39 -0.18 0.00	41.58 -0.08 0.00	40.63 -0.04 0.00	41.62 0.00 0.00	41.19 0.16 0.00	42.79 0.09 0.00	51.62 0.51 0.00	64.67 0.77 0.00	81.90 0.81 0.03	71.70 0.36 0.01	61.26 0.37 0.00	50.43 0.00 0.00	46.82 0.09 0.00	44.19 0.22 0.00
V_XM_10_SYNC_DSASP 323789	39.11 0.54 0.00	37.18 0.51 0.00	37.04 0.47 0.00	36.64 0.61 0.00	36.80 0.54 0.00	42.31 0.66 0.00	62.74 0.38 0.00	82.41 0.33 0.00	71.40 0.50 0.00	51.37 0.66 0.00	45.51 0.94 0.00	42.37 0.71 0.00	41.24 0.57 0.00	42.20 0.58 0.00	41.56 0.53 0.00	43.26 0.55 0.00	51.36 0.26 0.00	64.29 0.39 0.00	81.12 0.00 0.00	71.57 0.21 0.00	61.63 0.73 0.00	50.93 0.50 0.00	47.61 0.89 0.00	44.67 0.70 0.00
W.BABYLN_69_KV_BK1 56697	40.77 2.20 0.00	38.42 1.76 0.00	38.28 1.72 0.00	37.62 1.59 0.00	37.89 1.63 0.00	43.89 2.25 0.00	57.54 2.06 6.88	69.49 3.45 16.04	67.87 2.62 5.65	52.50 2.28 0.49	47.11 2.54 0.00	43.38 2.33 0.62	42.44 2.52 0.75	43.54 2.83 0.91	43.13 2.95 0.85	44.73 2.69 0.66	52.87 2.61 0.84	64.36 2.68 2.23	69.87 3.81 15.07	70.65 3.07 3.77	63.14 2.25 0.01	52.12 1.82 0.12	48.58 1.87 0.01	46.43 2.46 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	40.77 2.20 0.00	38.64 1.98 0.00	38.46 1.90 0.00	37.87 1.84 0.00	38.10 1.85 0.00	44.10 2.46 0.00	66.23 3.87 0.00	87.91 5.83 0.00	75.58 4.68 0.00	54.08 3.35 -0.02	47.56 2.99 0.00	44.42 2.75 0.00	43.48 2.81 0.00	44.57 2.95 0.00	44.02 2.99 0.00	45.65 2.95 0.00	54.52 3.37 -0.03	67.93 4.03 0.00	86.59 5.52 0.05	75.84 4.50 0.01	64.00 3.11 0.00	52.95 2.52 0.00	49.11 2.38 0.00	46.21 2.24 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	40.93 2.35 0.00	38.75 2.09 0.00	38.54 1.97 0.00	37.94 1.91 0.00	38.18 1.92 0.00	44.06 2.42 0.00	65.98 3.62 0.00	87.75 5.66 -0.01	75.37 4.47 0.00	54.26 3.50 -0.05	47.61 3.03 0.00	44.54 2.87 0.00	43.60 2.93 0.00	44.74 3.12 0.00	44.15 3.12 0.00	45.74 3.03 0.00	54.87 3.68 -0.08	68.12 4.22 0.00	86.75 5.68 0.05	75.91 4.57 0.01	64.00 3.11 0.00	53.00 2.57 0.00	49.20 2.48 0.00	46.26 2.29 0.00
W50THST__13_KV_LOAD 356117	41.08 2.51 0.00	38.86 2.20 0.00	38.64 2.08 0.00	38.05 2.02 0.00	38.32 2.07 0.00	44.18 2.54 0.00	66.29 3.93 0.00	88.16 6.07 -0.01	75.79 4.89 0.00	54.51 3.75 -0.05	47.87 3.30 0.00	44.75 3.08 0.00	43.81 3.13 0.00	44.99 3.37 0.00	44.39 3.36 0.00	45.96 3.25 0.00	55.23 4.04 -0.08	68.44 4.54 0.00	87.16 6.08 0.05	76.27 4.92 0.01	64.31 3.41 0.00	53.20 2.77 0.00	49.34 2.62 0.00	46.39 2.42 0.00
WADING RIVER_IC_1 23522	39.57 1.00 0.00	37.28 0.62 0.00	37.18 0.62 0.00	36.53 0.50 0.00	36.80 0.54 0.00	42.64 1.00 0.00	55.06 0.87 8.17	65.16 2.13 19.05	66.03 1.84 6.71	52.20 2.08 0.59	46.57 2.01 0.00	35.47 1.37 7.57	32.94 1.51 9.24	32.18 1.75 11.18	32.30 1.68 10.41	35.94 1.37 8.14	52.00 1.89 1.00	62.73 1.47 2.65	65.17 1.94 17.89	68.52 1.64 4.48	61.98 1.10 0.02	50.90 0.61 0.14	46.85 0.14 0.02	44.67 0.70 0.00
WADING RIVER_IC_2 23547	39.57 1.00 0.00	37.28 0.62 0.00	37.18 0.62 0.00	36.53 0.50 0.00	36.80 0.54 0.00	42.64 1.00 0.00	55.06 0.87 8.17	65.16 2.13 19.05	66.03 1.84 6.71	52.20 2.08 0.59	46.57 2.01 0.00	35.47 1.37 7.57	32.94 1.51 9.24	32.18 1.75 11.18	32.30 1.68 10.41	35.94 1.37 8.14	52.00 1.89 1.00	62.73 1.47 2.65	65.17 1.94 17.89	68.52 1.64 4.48	61.98 1.10 0.02	50.90 0.61 0.14	46.85 0.14 0.02	44.67 0.70 0.00
WADING RIVER_IC_3 23601	39.57 1.00 0.00	37.28 0.62 0.00	37.18 0.62 0.00	36.53 0.50 0.00	36.80 0.54 0.00	42.64 1.00 0.00	55.06 0.87 8.17	65.16 2.13 19.05	66.03 1.84 6.71	52.20 2.08 0.59	46.57 2.01 0.00	35.47 1.37 7.57	32.94 1.51 9.24	32.18 1.75 11.18	32.30 1.68 10.41	35.94 1.37 8.14	52.00 1.89 1.00	62.73 1.47 2.65	65.17 1.94 17.89	68.52 1.64 4.48	61.98 1.10 0.02	50.90 0.61 0.14	46.85 0.14 0.02	44.67 0.70 0.00
WALDENNY_12_KV_BK2 80841	38.11 -0.46 0.00	36.15 -0.51 0.00	35.94 -0.62 0.00	35.24 -0.79 0.00	35.38 -0.87 0.00	40.52 -1.12 0.00	60.18 -2.18 0.00	77.48 -4.60 0.00	68.49 -2.41 0.00	50.25 -0.46 0.00	44.39 -0.18 0.00	41.50 -0.17 0.00	40.75 0.08 0.00	41.41 -0.21 0.00	40.49 -0.53 0.00	42.28 -0.43 0.00	48.76 -2.35 0.00	61.16 -2.75 0.00	78.08 -2.84 0.20	69.02 -2.28 0.05	58.64 -2.25 0.00	49.72 -0.71 0.00	45.56 -1.17 0.00	43.09 -0.88 0.00
WALDEN__HYDRO 24148	40.54 1.97 0.00	38.42 1.76 0.00	38.24 1.68 0.00	37.69 1.66 0.00	37.92 1.67 0.00	43.68 2.04 0.00	65.54 3.18 0.00	86.84 4.76 0.00	74.66 3.76 0.00	53.35 2.64 0.00	46.89 2.32 0.00	43.83 2.17 0.00	42.87 2.20 0.00	43.95 2.33 0.00	43.36 2.34 0.00	45.05 2.35 0.00	54.03 2.91 -0.01	67.42 3.51 0.00	85.94 4.87 0.05	75.34 4.00 0.01	63.70 2.80 0.00	52.80 2.37 0.00	48.92 2.20 0.00	46.04 2.07 0.00
WARRENSBURG____ 23737	39.42 0.85 0.00	37.47 0.81 0.00	37.40 0.84 0.00	36.93 0.90 0.00	37.16 0.91 0.00	42.73 1.08 0.00	64.36 2.00 0.00	84.54 2.46 0.00	72.75 1.84 0.00	51.22 0.51 0.00	44.79 0.22 0.00	41.83 0.17 0.00	40.79 0.12 0.00	41.82 0.21 0.00	41.39 0.37 0.00	43.17 0.47 0.00	52.23 1.12 0.00	65.82 1.92 0.00	83.68 2.60 0.03	73.13 1.78 0.01	62.48 1.58 0.00	51.39 0.96 0.00	47.71 0.98 0.00	44.98 1.01 0.00
WATERSIDE____6 8 9 23538	41.09 2.51 -0.01	38.91 2.24 -0.01	38.69 2.12 -0.01	38.09 2.05 -0.01	38.33 2.07 -0.01	44.19 2.54 -0.01	66.04 3.68 0.00	87.75 5.66 -0.01	75.30 4.40 0.00	54.27 3.50 -0.06	47.79 3.21 -0.01	44.68 3.00 -0.01	43.73 3.05 -0.01	44.92 3.29 -0.01	44.32 3.28 -0.01	45.92 3.20 -0.01	54.99 3.78 -0.10	68.12 4.22 0.00	86.75 5.68 0.05	75.84 4.50 0.01	63.94 3.04 0.00	53.20 2.77 0.00	49.40 2.66 -0.01	46.48 2.51 -0.01
WATKINRD_115KV_LN8_ILLION 55919	39.34 0.77 0.00	37.43 0.77 0.00	37.33 0.77 0.00	36.75 0.72 0.00	37.01 0.76 0.00	42.48 0.83 0.00	63.73 1.37 0.00	83.97 1.89 0.00	72.46 1.56 0.00	51.67 0.96 0.00	45.46 0.89 0.00	42.50 0.83 0.00	41.44 0.77 0.00	42.36 0.75 0.00	41.76 0.74 0.00	43.47 0.77 0.00	52.13 1.02 0.00	65.18 1.28 0.00	82.74 1.62 0.00	72.85 1.50 0.00	62.05 1.16 0.00	51.49 1.06 0.00	47.71 0.98 0.00	44.89 0.92 0.00



WDELAWARE___HYD 323627	40.85 2.28 0.00	38.75 2.09 0.00	38.61 2.05 0.00	38.01 1.98 0.00	38.25 1.99 0.00	44.10 2.46 0.00	66.29 3.93 0.00	87.74 5.66 0.00	75.44 4.54 0.00	53.70 2.99 0.00	47.07 2.49 0.00	44.00 2.33 0.00	42.99 2.32 0.00	44.07 2.45 0.00	43.40 2.38 0.00	45.22 2.52 0.00	54.28 3.17 -0.01	67.93 4.03 0.00	86.75 5.68 0.05	76.34 4.99 0.01	64.37 3.47 0.00	53.45 3.03 0.00	49.44 2.71 0.00	46.52 2.55 0.00
WEST BABYLON___IC 23714	40.77 2.20 0.00	38.42 1.76 0.00	38.28 1.72 0.00	37.62 1.59 0.00	37.89 1.63 0.00	43.89 2.25 0.00	57.54 2.06 6.88	69.49 3.45 16.04	67.87 2.62 5.65	52.50 2.28 0.49	47.11 2.54 0.00	43.38 2.33 0.62	42.44 2.52 0.75	43.54 2.83 0.91	43.13 2.95 0.85	44.73 2.69 0.66	52.87 2.61 0.84	64.36 2.68 2.23	69.87 3.81 15.07	70.65 3.07 3.77	63.14 2.25 0.01	52.12 1.82 0.12	48.58 1.87 0.01	46.43 2.46 0.00
WEST CANADA___HYD 24049	38.69 0.12 0.00	36.77 0.11 0.00	36.67 0.11 0.00	36.10 0.07 0.00	36.36 0.11 0.00	41.77 0.13 0.00	62.55 0.19 0.00	82.41 0.33 0.00	71.12 0.21 0.00	50.81 0.10 0.00	44.62 0.04 0.00	41.75 0.08 0.00	40.75 0.08 0.00	41.70 0.08 0.00	41.11 0.08 0.00	42.79 0.09 0.00	51.31 0.21 0.00	64.16 0.26 0.00	81.45 0.33 0.00	71.64 0.29 0.00	61.08 0.18 0.00	50.58 0.15 0.00	46.82 0.09 0.00	44.06 0.09 0.00
WESTERN_NY_WIND 24143	38.46 -0.12 0.00	36.44 -0.22 0.00	36.38 -0.18 0.00	35.67 -0.36 0.00	35.85 -0.40 0.00	41.02 -0.62 0.00	61.18 -1.18 0.00	79.13 -2.95 0.00	69.77 -1.13 0.00	50.71 0.00 0.00	44.84 0.27 0.00	41.75 0.08 0.00	41.08 0.41 0.00	41.66 0.04 0.00	40.82 -0.21 0.00	42.49 -0.21 0.00	49.47 -1.64 0.00	62.05 -1.85 0.00	79.05 -1.87 0.21	70.02 -1.28 0.05	59.50 -1.40 0.00	50.43 0.00 0.00	46.17 -0.56 0.00	43.53 -0.44 0.00
WESTOVER___LESR 323668	38.80 0.23 0.00	36.88 0.22 0.00	36.78 0.22 0.00	36.18 0.14 0.00	36.40 0.15 0.00	41.81 0.17 0.00	62.80 0.44 0.00	82.33 0.25 0.00	71.40 0.50 0.00	51.27 0.56 0.00	45.06 0.49 0.00	42.08 0.42 0.00	41.12 0.45 0.00	42.03 0.42 0.00	41.31 0.29 0.00	43.13 0.43 0.00	51.16 0.05 0.00	64.16 0.26 0.00	81.67 0.73 0.18	71.95 0.64 0.05	61.20 0.30 0.00	50.93 0.50 0.00	46.96 0.23 0.00	44.28 0.31 0.00
WETHRSFD_WT_PWR 323626	37.99 -0.58 0.00	36.08 -0.59 0.00	35.90 -0.66 0.00	35.42 -0.61 0.00	35.35 -0.90 0.00	40.39 -1.25 0.00	60.18 -2.18 0.00	77.90 -4.18 0.00	68.42 -2.48 0.00	49.95 -0.76 0.00	43.99 -0.58 0.00	41.00 -0.67 0.00	40.18 -0.49 0.00	40.91 -0.71 0.00	40.24 -0.78 0.00	41.94 -0.77 0.00	48.91 -2.20 0.00	61.61 -2.30 0.00	78.49 -2.43 0.20	69.38 -1.92 0.05	58.95 -1.95 0.00	49.77 -0.66 0.00	45.89 -0.84 0.00	43.22 -0.75 0.00
WHAVSTOR_138KV_BK127 55557	40.62 2.04 0.00	38.50 1.83 0.00	38.28 1.72 0.00	37.72 1.69 0.00	37.96 1.70 0.00	43.72 2.08 0.00	65.73 3.37 0.00	87.25 5.17 0.00	75.01 4.11 0.00	53.77 3.04 -0.02	47.29 2.72 0.00	44.21 2.54 0.00	43.23 2.56 0.00	44.36 2.75 0.00	43.77 2.75 0.00	45.40 2.69 0.00	54.26 3.12 -0.04	67.61 3.71 0.00	86.10 5.03 0.05	75.41 4.07 0.01	63.64 2.74 0.00	52.65 2.22 0.00	48.88 2.15 0.00	45.99 2.02 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	40.62 2.04 0.00	38.50 1.83 0.00	38.28 1.72 0.00	37.72 1.69 0.00	37.96 1.70 0.00	43.72 2.08 0.00	65.73 3.37 0.00	87.25 5.17 0.00	75.01 4.11 0.00	53.77 3.04 -0.02	47.29 2.72 0.00	44.21 2.54 0.00	43.23 2.56 0.00	44.36 2.75 0.00	43.77 2.75 0.00	45.40 2.69 0.00	54.26 3.12 -0.04	67.61 3.71 0.00	86.10 5.03 0.05	75.41 4.07 0.01	63.64 2.74 0.00	52.65 2.22 0.00	48.88 2.15 0.00	45.99 2.02 0.00
WHITEHAL_115KV_TB1 80871	40.12 1.54 0.00	38.13 1.47 0.00	38.06 1.50 0.00	37.58 1.55 0.00	37.81 1.56 0.00	43.56 1.92 0.00	65.85 3.49 0.00	86.43 4.35 0.00	74.31 3.40 0.00	52.08 1.37 0.00	45.46 0.89 0.00	42.33 0.67 0.00	41.28 0.61 0.00	42.36 0.75 0.00	41.88 0.86 0.00	43.73 1.02 0.00	53.10 1.99 0.00	67.17 3.26 0.00	85.55 4.46 0.03	74.70 3.35 0.01	63.76 2.86 0.00	52.45 2.02 0.00	48.64 1.92 0.00	45.82 1.85 0.00
WHITEPLN_13_KV_LOAD 356215	41.00 2.43 0.00	38.83 2.16 0.00	38.64 2.08 0.00	38.05 2.02 0.00	38.32 2.07 0.00	44.14 2.50 0.00	66.23 3.87 0.00	87.91 5.83 0.00	75.79 4.89 0.00	54.34 3.60 -0.03	47.78 3.21 0.00	44.67 3.00 0.00	43.68 3.01 0.00	44.86 3.25 0.00	44.27 3.24 0.00	45.83 3.12 0.00	54.89 3.73 -0.05	68.38 4.47 0.00	87.16 6.08 0.05	76.34 4.99 0.01	64.37 3.47 0.00	53.20 2.77 0.00	49.25 2.52 0.00	46.39 2.42 0.00
WM_FLOYD_69_KV_BK2 356380	39.84 1.27 0.00	37.54 0.88 0.00	37.44 0.88 0.00	36.79 0.76 0.00	37.05 0.80 0.00	42.93 1.29 0.00	55.46 1.25 8.14	65.80 2.71 18.99	66.34 2.13 6.69	52.26 2.13 0.58	46.66 2.09 0.00	35.74 1.54 7.46	33.27 1.71 9.11	32.54 1.96 11.03	32.81 2.05 10.27	36.39 1.71 8.03	52.31 2.20 0.99	63.18 1.92 2.64	65.89 2.60 17.83	68.89 2.00 4.46	62.28 1.40 0.02	51.04 0.76 0.14	47.27 0.56 0.02	45.37 1.41 0.00
WOODARD___115KV_TB2 355635	37.99 -0.58 0.00	36.11 -0.55 0.00	36.01 -0.55 0.00	35.45 -0.58 0.00	35.67 -0.58 0.00	40.98 -0.67 0.00	61.88 -0.75 -0.27	81.72 -1.15 -0.79	71.03 -0.78 -0.90	50.44 -0.51 -0.24	44.13 -0.45 -0.01	41.25 -0.42 0.00	40.26 -0.41 0.00	41.22 -0.42 -0.02	40.53 -0.49 0.00	42.28 -0.43 0.00	50.39 -0.72 0.00	63.08 -0.83 0.00	80.76 -0.89 -0.53	70.53 -0.78 0.04	60.11 -0.79 0.00	49.82 -0.61 0.00	46.07 -0.65 0.00	43.35 -0.62 0.00
WOODMERE_69_KV_BK1 55827	40.81 2.20 -0.04	38.53 1.87 0.00	38.35 1.79 0.00	37.72 1.69 0.00	37.96 1.70 0.00	43.97 2.29 -0.04	64.41 2.87 0.81	84.87 4.68 1.89	73.92 3.69 0.67	53.66 2.99 0.05	47.37 2.81 0.00	44.33 2.67 0.00	43.51 2.85 0.00	44.77 3.16 0.00	44.18 3.16 0.00	45.65 2.95 0.00	54.40 3.37 0.08	67.41 3.77 0.27	84.50 5.19 1.82	75.11 4.21 0.46	63.69 2.80 0.01	52.63 2.22 0.02	48.82 2.10 0.01	46.53 2.51 -0.05
YORK___WARBASSE 23770	41.13 2.55 -0.01	38.95 2.27 -0.01	38.73 2.16 -0.01	38.13 2.09 -0.01	38.36 2.10 -0.01	44.27 2.62 -0.01	66.10 3.74 0.00	87.75 5.66 -0.01	75.30 4.40 0.00	54.32 3.55 -0.06	47.93 3.34 -0.01	44.80 3.12 -0.01	43.86 3.17 -0.01	45.00 3.37 -0.01	44.40 3.36 -0.01	46.01 3.29 -0.01	55.14 3.94 -0.10	68.32 4.41 0.00	87.00 5.92 0.05	76.05 4.71 0.01	64.06 3.17 0.00	53.35 2.92 0.00	49.49 2.76 -0.01	46.53 2.55 -0.01