

# Day Ahead Market Generator LBMP

--- LBMP \$		--- Marginal Cost of Losses																				--- Marginal Cost of Congestion			07/03/2025		
Generator Data																											
Name	PTID	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00		
59TH STREET_GT_1		EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT			
24138		48.74	45.20	38.82	36.27	35.57	39.20	43.15	45.46	47.52	50.59	50.79	53.40	56.76	60.49	65.11	69.86	81.50	84.59	83.15	77.18	68.28	61.64	54.20	49.25		
		3.65	3.39	3.37	2.99	2.85	2.84	3.34	3.94	4.07	4.16	4.03	4.63	5.09	5.66	5.98	7.35	8.61	9.58	7.76	6.24	5.17	3.54	3.36	3.14		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.21	-3.10	-3.91	-0.99	-0.20	-0.45	-0.46	-0.72	-7.13	-0.13	0.00	0.00	0.00	0.00	0.00	0.00		
74TH STREET_GT_1		48.79	45.29	38.89	36.30	35.60	39.20	43.19	45.46	47.56	52.46	52.90	53.63	56.76	60.43	65.05	69.72	85.81	84.52	83.07	77.18	68.35	61.64	54.25	49.30		
24260		3.70	3.47	3.44	3.03	2.88	2.84	3.38	3.94	3.98	4.07	3.94	4.54	5.09	5.60	5.93	7.17	8.42	9.43	7.69	6.24	5.24	3.54	3.41	3.18		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.33	-5.06	-6.10	-1.32	-0.20	-0.45	-0.46	-0.76	-11.64	-0.21	0.00	0.00	0.00	0.00	0.00	0.00		
74TH STREET_GT_2		48.79	45.29	38.89	36.30	35.60	39.20	43.19	45.46	47.56	52.46	52.90	53.63	56.76	60.43	65.05	69.72	85.81	84.52	83.07	77.18	68.35	61.64	54.25	49.30		
24261		3.70	3.47	3.44	3.03	2.88	2.84	3.38	3.94	3.98	4.07	3.94	4.54	5.09	5.60	5.93	7.17	8.42	9.43	7.69	6.24	5.24	3.54	3.41	3.18		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.33	-5.06	-6.10	-1.32	-0.20	-0.45	-0.46	-0.76	-11.64	-0.21	0.00	0.00	0.00	0.00	0.00	0.00		
ADK HUDSON___FALLS		47.48	44.07	37.58	35.30	34.69	38.36	41.96	43.80	45.36	45.14	44.06	49.05	53.22	56.21	61.02	64.64	69.76	79.89	80.13	75.26	67.46	61.41	53.33	48.19		
24011		2.39	2.26	2.13	2.03	1.96	2.00	2.15	2.28	2.12	1.82	1.54	1.62	1.90	2.18	2.70	3.34	4.01	5.02	4.75	4.33	4.35	3.31	2.49	2.08		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.35	0.15	0.34	0.35	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
ADK RESOURCE___RCVRY		47.62	44.24	37.65	35.30	34.75	38.51	42.08	44.01	45.54	45.32	44.17	49.16	53.27	56.39	61.33	65.34	70.16	80.50	80.96	76.11	68.34	62.05	53.69	48.47		
23798		2.52	2.42	2.20	2.03	2.03	2.14	2.27	2.49	2.29	1.99	1.63	1.72	1.96	2.34	2.99	4.01	4.41	5.62	5.58	5.18	5.24	3.95	2.85	2.35		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.33	0.14	0.33	0.33	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
ADK S GLENS___FALLS		47.48	44.07	37.58	35.30	34.69	38.36	41.96	43.80	45.36	45.14	44.06	49.05	53.22	56.21	61.02	64.64	69.76	79.89	80.13	75.26	67.46	61.41	53.33	48.19		
24028		2.39	2.26	2.13	2.03	1.96	2.00	2.15	2.28	2.12	1.82	1.54	1.62	1.90	2.18	2.70	3.34	4.01	5.02	4.75	4.33	4.35	3.31	2.49	2.08		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.35	0.15	0.34	0.35	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
ADK_NYS___DAM		47.44	44.03	37.86	35.54	34.85	38.32	42.04	43.84	45.36	45.19	43.81	49.02	53.43	56.25	60.81	64.75	70.16	80.12	79.68	74.69	66.70	60.59	52.72	47.73		
23527		2.34	2.21	2.41	2.26	2.13	1.96	2.23	2.32	2.12	1.86	1.72	2.05	2.32	2.66	2.93	4.08	4.41	5.24	4.29	3.76	3.60	2.50	1.88	1.61		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.80	0.35	0.79	0.80	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
AIR_PRODUCTS___DRP		45.63	42.32	36.27	34.27	33.64	36.87	40.45	42.27	43.76	43.67	42.93	47.92	51.91	54.92	59.33	62.88	67.53	76.97	76.66	71.86	64.05	58.33	50.94	46.21		
24190		0.54	0.50	0.82	1.00	0.92	0.51	0.64	0.75	0.52	0.35	0.34	0.43	0.57	0.82	0.94	1.48	1.78	2.10	1.28	0.92	0.95	0.23	0.10	0.09		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.28	0.12	0.28	0.28	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
AKWESSNE_115KV_BK		44.91	41.73	34.96	32.84	32.33	36.25	39.73	41.44	43.16	43.19	42.77	47.53	51.05	53.89	58.14	61.11	64.44	73.53	74.10	69.73	62.03	57.75	50.69	46.11		
355683		-0.18	-0.08	-0.50	-0.43	-0.39	-0.11	-0.08	-0.08	-0.09	-0.13	-0.09	-0.24	-0.41	-0.49	-0.53	-0.68	-1.32	-1.35	-1.28	-1.21	-1.07	-0.35	-0.15	0.00		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
ALBANY_1_SOLAR		46.53	43.19	36.94	34.81	34.23	37.60	41.12	42.73	44.15	43.97	43.33	48.36	52.26	55.35	59.90	63.77	67.99	77.65	77.72	73.06	65.25	59.55	51.96	47.22		
323833		1.44	1.38	1.49	1.53	1.51	1.24	1.31	1.20	0.91	0.65	0.64	0.76	0.87	1.14	1.41	2.22	2.24	2.77	2.34	2.13	2.15	1.45	1.12	1.10		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.17	0.08	0.17	0.17	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
ALBANY_2_SOLAR		46.53	43.19	36.94	34.81	34.20	37.60	41.12	42.73	44.15	43.97	43.33	48.36	52.26	55.35	59.90	63.77	67.99	77.65	77.64	73.06	65.19	59.55	51.96	47.22		
323834		1.44	1.38	1.49	1.53	1.47	1.24	1.31	1.20	0.91	0.65	0.64	0.76	0.87	1.14	1.41	2.22	2.24	2.77	2.26	2.13	2.08	1.45	1.12	1.10		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.17	0.08	0.17	0.17	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
ALBANY___1		45.63	42.32	36.27	34.27	33.64	36.87	40.45	42.27	43.76	43.67	42.93	47.92	51.91	54.92	59.33	62.88	67.53	76.97	76.66	71.86	64.05	58.33	50.94	46.21		
23571		0.54	0.50	0.82	1.00	0.92	0.51	0.64	0.75	0.52	0.35	0.34	0.43	0.57	0.82	0.94	1.48	1.78	2.10	1.28	0.92	0.95	0.23	0.10	0.09		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.28	0.12	0.28	0.28	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

ALBANY___2 23572	45.63 0.54 0.00	42.32 0.50 0.00	36.27 0.82 0.00	34.27 1.00 0.00	33.64 0.92 0.00	36.87 0.51 0.00	40.45 0.64 0.00	42.27 0.75 0.00	43.76 0.52 0.00	43.67 0.35 0.00	42.93 0.34 0.27	47.92 0.43 0.28	51.91 0.57 0.12	54.92 0.82 0.28	59.33 0.94 0.28	62.88 1.48 0.39	67.53 1.78 0.00	76.97 2.10 0.00	76.66 1.28 0.00	71.86 0.92 0.00	64.05 0.95 0.00	58.33 0.23 0.00	50.94 0.10 0.00	46.21 0.09 0.00
ALBANY___3 23573	45.63 0.54 0.00	42.32 0.50 0.00	36.27 0.82 0.00	34.27 1.00 0.00	33.64 0.92 0.00	36.87 0.51 0.00	40.45 0.64 0.00	42.27 0.75 0.00	43.76 0.52 0.00	43.67 0.35 0.00	42.93 0.34 0.27	47.92 0.43 0.28	51.91 0.57 0.12	54.92 0.82 0.28	59.33 0.94 0.28	62.88 1.48 0.39	67.53 1.78 0.00	76.97 2.10 0.00	76.66 1.28 0.00	71.86 0.92 0.00	64.05 0.95 0.00	58.33 0.23 0.00	50.94 0.10 0.00	46.21 0.09 0.00
ALBANY___4 23574	45.63 0.54 0.00	42.32 0.50 0.00	36.27 0.82 0.00	34.27 1.00 0.00	33.64 0.92 0.00	36.87 0.51 0.00	40.45 0.64 0.00	42.27 0.75 0.00	43.76 0.52 0.00	43.67 0.35 0.00	42.93 0.34 0.27	47.92 0.43 0.28	51.91 0.57 0.12	54.92 0.82 0.28	59.33 0.94 0.28	62.88 1.48 0.39	67.53 1.78 0.00	76.97 2.10 0.00	76.66 1.28 0.00	71.86 0.92 0.00	64.05 0.95 0.00	58.33 0.23 0.00	50.94 0.10 0.00	46.21 0.09 0.00
ALBANY___LFGE 323615	46.13 1.04 0.00	42.82 1.00 0.00	36.69 1.24 0.00	34.57 1.30 0.00	33.96 1.24 0.00	37.31 0.94 0.00	40.88 1.08 0.00	42.68 1.16 0.00	44.24 1.00 0.00	44.19 0.87 0.00	43.42 0.86 0.29	48.47 1.00 0.31	52.51 1.18 0.13	55.54 1.47 0.30	60.06 1.70 0.31	63.95 2.59 0.43	68.45 2.70 0.00	78.02 3.14 0.00	77.64 2.26 0.00	72.78 1.84 0.00	64.87 1.76 0.00	59.08 0.99 0.00	51.50 0.66 0.00	46.76 0.65 0.00
ALCOA_PA_115KV_PL-6C 55860	45.23 0.14 0.00	41.98 0.17 0.00	35.10 -0.35 0.00	33.01 -0.27 0.00	32.46 -0.26 0.00	36.51 0.15 0.00	39.97 0.16 0.00	41.69 0.17 0.00	43.42 0.17 0.00	43.45 0.13 0.00	43.03 0.17 0.00	47.77 0.00 0.00	51.21 -0.26 0.00	54.11 -0.27 0.00	58.38 -0.29 0.00	61.30 -0.49 0.00	64.57 -1.18 0.00	73.68 -1.20 0.00	74.33 -1.06 0.00	69.94 -0.99 0.00	62.29 -0.82 0.00	58.04 -0.06 0.00	50.94 0.10 0.00	46.44 0.32 0.00
ALCOA_RYNLDS___DRP 24188	45.23 0.14 0.00	41.98 0.17 0.00	35.10 -0.35 0.00	33.01 -0.27 0.00	32.46 -0.26 0.00	36.51 0.15 0.00	39.97 0.16 0.00	41.69 0.17 0.00	43.42 0.17 0.00	43.45 0.13 0.00	43.03 0.17 0.00	47.77 0.00 0.00	51.21 -0.26 0.00	54.11 -0.27 0.00	58.38 -0.29 0.00	61.30 -0.49 0.00	64.57 -1.18 0.00	73.68 -1.20 0.00	74.33 -1.06 0.00	69.94 -0.99 0.00	62.29 -0.82 0.00	58.04 -0.06 0.00	50.94 0.10 0.00	46.44 0.32 0.00
ALCOA___DSASP 323711	45.18 0.09 0.00	41.98 0.17 0.00	35.10 -0.35 0.00	32.97 -0.30 0.00	32.46 -0.26 0.00	36.51 0.15 0.00	39.97 0.16 0.00	41.69 0.17 0.00	43.42 0.17 0.00	43.45 0.13 0.00	43.03 0.17 0.00	47.77 0.00 0.00	51.21 -0.26 0.00	54.05 -0.32 0.00	58.38 -0.29 0.00	60.87 -0.93 0.00	64.57 -1.18 0.00	73.68 -1.20 0.00	74.33 -1.06 0.00	69.94 -0.99 0.00	62.29 -0.82 0.00	58.04 -0.06 0.00	50.94 0.10 0.00	46.44 0.33 0.00
ALLEGHENY___COGEN 23514	47.39 2.30 0.00	43.61 1.80 0.00	37.19 1.74 0.00	34.14 0.86 0.00	33.67 0.95 0.00	37.20 0.84 0.00	40.41 0.60 0.00	41.85 0.33 0.00	43.81 0.56 0.00	43.93 0.61 0.00	43.37 0.52 0.00	48.20 0.43 0.00	51.93 0.46 0.00	54.32 -0.05 0.00	56.67 -1.99 0.00	59.94 -1.85 0.00	64.70 -1.05 0.00	73.76 -1.12 0.00	75.01 -0.38 0.00	72.85 1.92 0.00	65.13 2.02 0.00	60.13 2.03 0.00	54.20 3.35 0.00	48.65 2.53 0.00
ALTAMONT_115KV_TB 2 55880	46.26 1.17 0.00	42.90 1.09 0.00	36.73 1.28 0.00	34.61 1.33 0.00	33.97 1.24 0.00	37.42 1.05 0.00	40.96 1.15 0.00	42.72 1.20 0.00	44.33 1.08 0.00	44.28 0.95 0.00	43.59 0.90 0.17	48.70 1.10 0.17	52.67 1.29 0.08	55.73 1.52 0.17	60.14 1.64 0.17	63.71 2.16 0.24	68.32 2.56 0.00	77.87 3.00 0.00	77.57 2.19 0.00	72.78 1.84 0.00	64.87 1.77 0.00	59.20 1.10 0.00	51.70 0.86 0.00	46.90 0.78 0.00
ALTONA_WT_PWR 323606	44.28 -0.81 0.00	41.19 -0.63 0.00	34.50 -0.96 0.00	32.48 -0.80 0.00	32.00 -0.72 0.00	35.96 -0.40 0.00	39.45 -0.36 0.00	41.15 -0.37 0.00	42.90 -0.35 0.00	42.98 -0.35 0.00	42.56 -0.30 0.00	46.96 -0.81 0.00	50.33 -1.13 0.00	52.58 -1.79 0.00	56.56 -2.11 0.00	59.07 -2.72 0.00	62.86 -2.89 0.00	71.88 -3.00 0.00	72.67 -2.71 0.00	68.31 -2.62 0.00	60.65 -2.46 0.00	56.53 -1.57 0.00	49.93 -0.91 0.00	45.93 -0.18 0.00
AMERICAN_REF_FUEL 24010	44.28 -0.81 0.00	41.19 -0.63 0.00	35.17 -0.28 0.00	32.18 -1.10 0.00	31.58 -1.15 0.00	34.51 -1.85 0.00	37.22 -2.59 0.00	38.36 -3.16 0.00	40.95 -2.29 0.00	41.63 -1.69 0.00	41.57 -1.28 0.00	46.20 -1.58 0.00	49.87 -1.60 0.00	52.10 -2.28 0.00	56.09 -2.58 0.00	58.33 -3.46 0.00	62.79 -2.96 0.00	70.61 -4.27 0.00	71.16 -4.22 0.00	68.45 -2.48 0.00	60.77 -2.33 0.00	55.95 -2.15 0.00	49.62 -1.22 0.00	44.96 -1.15 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	45.64 0.54 0.00	42.07 0.25 0.00	35.91 0.46 0.00	32.88 -0.40 0.00	32.39 -0.33 0.00	35.64 -0.73 0.00	38.77 -1.04 0.00	40.44 -1.08 0.00	43.12 -0.13 0.00	44.02 0.69 0.00	43.97 1.11 0.00	48.92 1.14 0.00	52.90 1.44 0.00	55.24 0.87 0.00	59.43 0.76 0.00	61.79 0.00 0.00	66.41 0.66 0.00	74.73 -0.15 0.00	75.38 0.00 0.00	72.64 1.70 0.00	64.37 1.26 0.00	59.32 1.22 0.00	52.21 1.37 0.00	46.99 0.87 0.00
ARTHUR KILL_GT_1 23520	49.02 3.92 0.00	45.50 3.68 0.00	38.96 3.51 0.00	36.40 3.13 0.00	35.70 2.98 0.00	39.27 2.91 0.00	43.11 3.30 0.00	45.34 3.82 0.00	46.68 3.16 -0.28	50.60 3.16 -4.11	51.01 3.13 -5.03	52.65 3.73 -1.15	54.89 4.53 1.10	55.72 4.95 3.61	56.59 4.75 6.83	67.50 5.93 0.23	81.53 7.10 -8.68	82.38 8.01 0.51	80.75 6.18 0.82	74.56 4.97 1.34	57.30 4.17 9.98	57.51 2.38 2.97	53.99 3.15 0.00	49.43 3.32 0.00
ARTHUR_KILL_2 23512	48.75 3.65 -0.01	45.34 3.51 -0.01	38.86 3.40 -0.01	36.31 3.03 -0.01	35.61 2.88 -0.01	39.17 2.80 -0.01	43.00 3.19 -0.01	45.18 3.65 -0.01	46.42 2.90 -0.28	50.42 2.99 -4.11	50.84 2.95 -5.03	52.51 3.58 -1.15	54.59 4.22 1.09	55.39 4.62 3.61	56.29 4.46 6.83	67.74 6.18 0.23	81.21 6.77 -8.68	82.00 7.64 0.52	80.28 5.73 0.83	74.13 4.54 1.35	56.91 3.79 9.98	57.21 2.09 2.98	53.74 2.90 0.00	49.26 3.14 -0.01
ARTHUR_KILL_3 23513	48.16 3.07 0.00	44.74 2.93 0.00	38.43 2.98 0.00	35.87 2.60 0.00	35.21 2.49 0.00	38.76 2.40 0.00	42.68 2.87 0.00	45.01 3.49 0.00	46.98 3.46 -0.27	50.98 3.55 -4.10	51.31 3.43 -5.02	52.85 3.92 -1.16	54.60 4.22 1.08	55.49 4.73 3.62	56.81 4.98 6.84	68.35 6.80 0.24	81.79 7.36 -8.67	82.59 8.24 0.53	81.03 6.48 0.84	74.62 5.04 1.35	57.28 4.16 9.99	57.79 2.67 2.99	53.42 2.59 0.01	48.70 2.58 0.00

ARTHUR_KILL_COGEN 323718	48.93 3.83 -0.01	45.51 3.68 -0.01	38.97 3.51 -0.01	36.41 3.13 -0.01	35.71 2.98 -0.01	39.28 2.91 -0.01	43.12 3.30 -0.01	45.35 3.82 -0.01	46.59 3.07 -0.28	50.59 3.16 -4.11	51.01 3.13 -5.03	52.75 3.82 -1.15	54.85 4.48 1.09	55.67 4.90 3.61	56.59 4.75 6.83	68.04 6.49 0.23	81.53 7.10 -8.68	82.38 8.02 0.52	80.66 6.10 0.83	74.48 4.89 1.35	57.29 4.16 9.98	57.50 2.38 2.98	53.94 3.10 0.00	49.44 3.32 -0.01
ASHOKAN____ 23654	47.39 2.30 0.00	43.95 2.13 0.00	37.51 2.06 0.00	35.24 1.96 0.00	34.59 1.86 0.00	38.04 1.67 0.00	41.72 1.91 0.00	43.43 1.91 0.00	44.85 1.60 0.00	44.41 1.08 0.00	45.56 2.70 0.00	50.69 2.91 0.00	55.12 3.65 0.00	58.56 4.19 0.00	63.36 4.70 0.00	67.72 5.93 0.00	69.76 4.01 0.00	79.60 4.72 0.00	79.45 4.07 0.00	74.34 3.40 0.00	65.95 2.84 0.00	60.07 1.98 0.00	52.52 1.68 0.00	47.73 1.61 0.00
ASTORIA_EAST_ENERGY_CC1 323581	48.53 3.43 -0.01	45.13 3.30 -0.01	38.76 3.30 -0.01	36.21 2.93 -0.01	35.51 2.78 -0.01	39.17 2.80 -0.01	43.04 3.22 -0.01	45.35 3.82 -0.01	46.69 3.12 -0.33	51.41 3.16 -4.92	51.84 3.04 -5.94	52.90 3.82 -1.31	56.40 4.73 -0.21	60.10 5.27 -0.45	64.36 5.22 -0.47	68.91 6.37 -0.76	84.02 6.97 -11.31	82.87 7.79 -0.21	81.80 6.40 -0.01	76.05 5.11 -0.01	67.41 4.29 -0.01	60.88 2.79 0.01	54.11 3.26 -0.01	49.03 2.91 -0.01
ASTORIA_EAST_ENERGY_CC2 323582	48.53 3.43 -0.01	45.13 3.30 -0.01	38.76 3.30 -0.01	36.21 2.93 -0.01	35.51 2.78 -0.01	39.17 2.80 -0.01	43.04 3.22 -0.01	45.35 3.82 -0.01	46.69 3.12 -0.33	51.41 3.16 -4.92	51.84 3.04 -5.94	52.90 3.82 -1.31	56.40 4.73 -0.21	60.10 5.27 -0.45	64.36 5.22 -0.47	68.91 6.37 -0.76	84.02 6.97 -11.31	82.87 7.79 -0.21	81.80 6.40 -0.01	76.05 5.11 -0.01	67.41 4.29 -0.01	60.88 2.79 0.01	54.11 3.26 -0.01	49.03 2.91 -0.01
ASTORIA_GT2_1 24094	48.61 3.52 0.00	45.16 3.35 0.00	38.75 3.30 0.00	36.20 2.93 0.00	35.54 2.81 0.00	39.16 2.80 0.00	43.07 3.26 0.00	45.34 3.82 0.00	46.78 3.20 -0.34	51.41 3.16 -4.92	51.88 3.09 -5.94	52.76 3.68 -1.31	56.50 4.84 -0.20	60.16 5.33 -0.45	64.36 5.22 -0.47	68.36 5.81 -0.77	84.09 7.04 -11.31	82.95 7.86 -0.21	81.88 6.48 -0.02	76.20 5.25 -0.02	67.48 4.35 -0.02	60.94 2.85 0.00	54.20 3.36 -0.01	49.07 2.95 0.00
ASTORIA_GT2_2 24095	48.61 3.52 0.00	45.16 3.35 0.00	38.75 3.30 0.00	36.20 2.93 0.00	35.54 2.81 0.00	39.16 2.80 0.00	43.07 3.26 0.00	45.34 3.82 0.00	46.78 3.20 -0.34	51.41 3.16 -4.92	51.88 3.09 -5.94	52.76 3.68 -1.31	56.50 4.84 -0.20	60.16 5.33 -0.45	64.36 5.22 -0.47	68.36 5.81 -0.77	84.09 7.04 -11.31	82.95 7.86 -0.21	81.88 6.48 -0.02	76.20 5.25 -0.02	67.48 4.35 -0.02	60.94 2.85 0.00	54.20 3.36 -0.01	49.07 2.95 0.00
ASTORIA_GT2_3 24096	48.61 3.52 0.00	45.16 3.35 0.00	38.75 3.30 0.00	36.20 2.93 0.00	35.54 2.81 0.00	39.16 2.80 0.00	43.07 3.26 0.00	45.34 3.82 0.00	46.78 3.20 -0.34	51.41 3.16 -4.92	51.88 3.09 -5.94	52.76 3.68 -1.31	56.50 4.84 -0.20	60.16 5.33 -0.45	64.36 5.22 -0.47	68.36 5.81 -0.77	84.09 7.04 -11.31	82.95 7.86 -0.21	81.88 6.48 -0.02	76.20 5.25 -0.02	67.48 4.35 -0.02	60.94 2.85 0.00	54.20 3.36 -0.01	49.07 2.95 0.00
ASTORIA_GT2_4 24097	48.61 3.52 0.00	45.16 3.35 0.00	38.75 3.30 0.00	36.20 2.93 0.00	35.54 2.81 0.00	39.16 2.80 0.00	43.07 3.26 0.00	45.34 3.82 0.00	46.78 3.20 -0.34	51.41 3.16 -4.92	51.88 3.09 -5.94	52.76 3.68 -1.31	56.50 4.84 -0.20	60.16 5.33 -0.45	64.36 5.22 -0.47	68.36 5.81 -0.77	84.09 7.04 -11.31	82.95 7.86 -0.21	81.88 6.48 -0.02	76.20 5.25 -0.02	67.48 4.35 -0.02	60.94 2.85 0.00	54.20 3.36 -0.01	49.07 2.95 0.00
ASTORIA_GT3_1 24098	48.61 3.52 0.00	45.16 3.35 0.00	38.75 3.30 0.00	36.20 2.93 0.00	35.54 2.81 0.00	39.16 2.80 0.00	43.07 3.26 0.00	45.34 3.82 0.00	46.78 3.20 -0.34	51.41 3.16 -4.92	51.88 3.09 -5.94	52.76 3.68 -1.31	56.50 4.84 -0.20	60.16 5.33 -0.45	64.36 5.22 -0.47	68.36 5.81 -0.77	84.09 7.04 -11.31	82.95 7.86 -0.21	81.88 6.48 -0.02	76.20 5.25 -0.02	67.48 4.35 -0.02	60.94 2.85 0.00	54.20 3.36 -0.01	49.07 2.95 0.00
ASTORIA_GT3_2 24099	48.61 3.52 0.00	45.16 3.35 0.00	38.75 3.30 0.00	36.20 2.93 0.00	35.54 2.81 0.00	39.16 2.80 0.00	43.07 3.26 0.00	45.34 3.82 0.00	46.78 3.20 -0.34	51.41 3.16 -4.92	51.88 3.09 -5.94	52.76 3.68 -1.31	56.50 4.84 -0.20	60.16 5.33 -0.45	64.36 5.22 -0.47	68.36 5.81 -0.77	84.09 7.04 -11.31	82.95 7.86 -0.21	81.88 6.48 -0.02	76.20 5.25 -0.02	67.48 4.35 -0.02	60.94 2.85 0.00	54.20 3.36 -0.01	49.07 2.95 0.00
ASTORIA_GT3_3 24100	48.61 3.52 0.00	45.16 3.35 0.00	38.75 3.30 0.00	36.20 2.93 0.00	35.54 2.81 0.00	39.16 2.80 0.00	43.07 3.26 0.00	45.34 3.82 0.00	46.78 3.20 -0.34	51.41 3.16 -4.92	51.88 3.09 -5.94	52.76 3.68 -1.31	56.50 4.84 -0.20	60.16 5.33 -0.45	64.36 5.22 -0.47	68.36 5.81 -0.77	84.09 7.04 -11.31	82.95 7.86 -0.21	81.88 6.48 -0.02	76.20 5.25 -0.02	67.48 4.35 -0.02	60.94 2.85 0.00	54.20 3.36 -0.01	49.07 2.95 0.00
ASTORIA_GT3_4 24101	48.61 3.52 0.00	45.16 3.35 0.00	38.75 3.30 0.00	36.20 2.93 0.00	35.54 2.81 0.00	39.16 2.80 0.00	43.07 3.26 0.00	45.34 3.82 0.00	46.78 3.20 -0.34	51.41 3.16 -4.92	51.88 3.09 -5.94	52.76 3.68 -1.31	56.50 4.84 -0.20	60.16 5.33 -0.45	64.36 5.22 -0.47	68.36 5.81 -0.77	84.09 7.04 -11.31	82.95 7.86 -0.21	81.88 6.48 -0.02	76.20 5.25 -0.02	67.48 4.35 -0.02	60.94 2.85 0.00	54.20 3.36 -0.01	49.07 2.95 0.00
ASTORIA_GT4_1 24102	48.61 3.52 0.00	45.16 3.35 0.00	38.75 3.30 0.00	36.20 2.93 0.00	35.54 2.81 0.00	39.16 2.80 0.00	43.07 3.26 0.00	45.34 3.82 0.00	46.78 3.20 -0.34	51.41 3.16 -4.92	51.88 3.09 -5.94	52.76 3.68 -1.31	56.50 4.84 -0.20	60.16 5.33 -0.45	64.36 5.22 -0.47	68.36 5.81 -0.77	84.09 7.04 -11.31	82.95 7.86 -0.21	81.88 6.48 -0.02	76.20 5.25 -0.02	67.48 4.35 -0.02	60.94 2.85 0.00	54.20 3.36 -0.01	49.07 2.95 0.00
ASTORIA_GT4_2 24103	48.61 3.52 0.00	45.16 3.35 0.00	38.75 3.30 0.00	36.20 2.93 0.00	35.54 2.81 0.00	39.16 2.80 0.00	43.07 3.26 0.00	45.34 3.82 0.00	46.78 3.20 -0.34	51.41 3.16 -4.92	51.88 3.09 -5.94	52.76 3.68 -1.31	56.50 4.84 -0.20	60.16 5.33 -0.45	64.36 5.22 -0.47	68.36 5.81 -0.77	84.09 7.04 -11.31	82.95 7.86 -0.21	81.88 6.48 -0.02	76.20 5.25 -0.02	67.48 4.35 -0.02	60.94 2.85 0.00	54.20 3.36 -0.01	49.07 2.95 0.00
ASTORIA_GT4_3 24104	48.61 3.52 0.00	45.16 3.35 0.00	38.75 3.30 0.00	36.20 2.93 0.00	35.54 2.81 0.00	39.16 2.80 0.00	43.07 3.26 0.00	45.34 3.82 0.00	46.78 3.20 -0.34	51.41 3.16 -4.92	51.88 3.09 -5.94	52.76 3.68 -1.31	56.50 4.84 -0.20	60.16 5.33 -0.45	64.36 5.22 -0.47	68.36 5.81 -0.77	84.09 7.04 -11.31	82.95 7.86 -0.21	81.88 6.48 -0.02	76.20 5.25 -0.02	67.48 4.35 -0.02	60.94 2.85 0.00	54.20 3.36 -0.01	49.07 2.95 0.00

ASTORIA_GT4_4 24105	48.61	45.16	38.75	36.20	35.54	39.16	43.07	45.34	46.78	51.41	51.88	52.76	56.50	60.16	64.36	68.36	84.09	82.95	81.88	76.20	67.48	60.94	54.20	49.07
	3.52	3.35	3.30	2.93	2.81	2.80	3.26	3.82	3.20	3.16	3.09	3.68	4.84	5.33	5.22	5.81	7.04	7.86	6.48	5.25	4.35	2.85	3.36	2.95
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.34	-4.92	-5.94	-1.31	-0.20	-0.45	-0.47	-0.77	-11.31	-0.21	-0.02	-0.02	-0.02	0.00	-0.01	0.00
ASTORIA_GT_1 23523	48.70	45.25	38.82	36.27	35.60	39.27	43.15	45.46	46.87	51.54	52.01	52.90	56.60	60.32	64.53	68.61	84.29	83.18	82.11	76.41	67.67	61.12	54.36	49.16
	3.61	3.43	3.37	2.99	2.88	2.91	3.34	3.94	3.29	3.29	3.21	3.82	4.94	5.49	5.40	6.06	7.23	8.09	6.71	5.46	4.54	3.02	3.51	3.04
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.34	-4.92	-5.94	-1.31	-0.20	-0.45	-0.47	-0.77	-11.31	-0.21	-0.02	-0.02	-0.02	0.00	-0.01	0.00
ASTORIA_GT_10 24110	48.65	45.16	38.78	36.24	35.54	39.13	43.03	45.34	47.04	51.85	52.39	53.12	56.45	60.00	64.12	68.61	84.22	83.10	81.72	75.97	67.27	60.71	54.04	49.16
	3.56	3.35	3.33	2.96	2.81	2.76	3.22	3.82	3.46	3.42	3.39	4.01	4.79	5.17	4.99	6.06	7.17	8.01	6.33	5.04	4.17	2.61	3.20	3.04
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.34	-5.11	-6.15	-1.33	-0.20	-0.45	-0.46	-0.77	-11.31	-0.21	0.00	0.00	0.00	0.00	0.00	0.00
ASTORIA_GT_11 24225	48.65	45.16	38.78	36.24	35.54	39.13	43.03	45.34	47.04	51.85	52.39	53.12	56.45	60.00	64.12	68.61	84.22	83.10	81.72	75.97	67.27	60.71	54.04	49.16
	3.56	3.35	3.33	2.96	2.81	2.76	3.22	3.82	3.46	3.42	3.39	4.01	4.79	5.17	4.99	6.06	7.17	8.01	6.33	5.04	4.17	2.61	3.20	3.04
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.34	-5.11	-6.15	-1.33	-0.20	-0.45	-0.46	-0.77	-11.31	-0.21	0.00	0.00	0.00	0.00	0.00	0.00
ASTORIA_GT_12 24226	48.65	45.16	38.78	36.24	35.54	39.13	43.03	45.34	47.04	51.85	52.39	53.12	56.45	60.00	64.12	68.61	84.22	83.10	81.72	75.97	67.27	60.71	54.04	49.16
	3.56	3.35	3.33	2.96	2.81	2.76	3.22	3.82	3.46	3.42	3.39	4.01	4.79	5.17	4.99	6.06	7.17	8.01	6.33	5.04	4.17	2.61	3.20	3.04
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.34	-5.11	-6.15	-1.33	-0.20	-0.45	-0.46	-0.77	-11.31	-0.21	0.00	0.00	0.00	0.00	0.00	0.00
ASTORIA_GT_13 24227	48.65	45.16	38.78	36.24	35.54	39.13	43.03	45.34	47.04	51.85	52.39	53.12	56.45	60.00	64.12	68.61	84.22	83.10	81.72	75.97	67.27	60.71	54.04	49.16
	3.56	3.35	3.33	2.96	2.81	2.76	3.22	3.82	3.46	3.42	3.39	4.01	4.79	5.17	4.99	6.06	7.17	8.01	6.33	5.04	4.17	2.61	3.20	3.04
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.34	-5.11	-6.15	-1.33	-0.20	-0.45	-0.46	-0.77	-11.31	-0.21	0.00	0.00	0.00	0.00	0.00	0.00
ASTORIA_GT_5 24106	48.70	45.25	38.82	36.27	35.60	39.27	43.15	45.46	46.87	51.54	52.01	52.90	56.60	60.32	64.53	68.61	84.29	83.18	82.11	76.41	67.67	61.12	54.36	49.16
	3.61	3.43	3.37	2.99	2.88	2.91	3.34	3.94	3.29	3.29	3.21	3.82	4.94	5.49	5.40	6.06	7.23	8.09	6.71	5.46	4.54	3.02	3.51	3.04
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.34	-4.92	-5.94	-1.31	-0.20	-0.45	-0.47	-0.77	-11.31	-0.21	-0.02	-0.02	-0.02	0.00	-0.01	0.00
ASTORIA_GT_7 24107	48.70	45.25	38.82	36.27	35.60	39.27	43.15	45.46	46.87	51.54	52.01	52.90	56.60	60.32	64.53	68.61	84.29	83.18	82.11	76.41	67.67	61.12	54.36	49.16
	3.61	3.43	3.37	2.99	2.88	2.91	3.34	3.94	3.29	3.29	3.21	3.82	4.94	5.49	5.40	6.06	7.23	8.09	6.71	5.46	4.54	3.02	3.51	3.04
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.34	-4.92	-5.94	-1.31	-0.20	-0.45	-0.47	-0.77	-11.31	-0.21	-0.02	-0.02	-0.02	0.00	-0.01	0.00
ASTORIA_GT_8 24108	48.70	45.25	38.82	36.27	35.60	39.27	43.15	45.46	46.87	51.54	52.01	52.90	56.60	60.32	64.53	68.61	84.29	83.18	82.11	76.41	67.67	61.12	54.36	49.16
	3.61	3.43	3.37	2.99	2.88	2.91	3.34	3.94	3.29	3.29	3.21	3.82	4.94	5.49	5.40	6.06	7.23	8.09	6.71	5.46	4.54	3.02	3.51	3.04
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.34	-4.92	-5.94	-1.31	-0.20	-0.45	-0.47	-0.77	-11.31	-0.21	-0.02	-0.02	-0.02	0.00	-0.01	0.00
ASTORIA___2 24149	48.53	45.17	38.76	36.21	35.54	39.17	43.08	45.39	46.69	51.41	51.88	52.95	56.46	60.10	64.36	68.97	84.10	82.87	81.80	76.12	67.47	60.94	54.15	49.08
	3.43	3.35	3.30	2.93	2.81	2.80	3.27	3.86	3.12	3.16	3.09	3.87	4.79	5.27	5.22	6.43	7.04	7.79	6.40	5.18	4.35	2.85	3.30	2.95
	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.33	-4.92	-5.94	-1.31	-0.21	-0.45	-0.47	-0.76	-11.31	-0.21	-0.01	-0.01	-0.01	0.01	-0.01	-0.01
ASTORIA___3 23516	48.62	45.17	38.79	36.24	35.54	39.13	43.04	45.35	46.96	51.85	52.35	53.16	56.40	59.94	64.17	69.09	84.23	83.10	81.63	75.89	67.20	60.71	53.99	49.17
	3.52	3.35	3.33	2.96	2.81	2.76	3.22	3.82	3.38	3.42	3.34	4.06	4.73	5.11	5.05	6.55	7.17	8.02	6.25	4.96	4.10	2.62	3.15	3.04
	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.34	-5.11	-6.15	-1.33	-0.21	-0.45	-0.46	-0.76	-11.31	-0.21	0.01	0.01	0.01	0.01	0.00	-0.01
ASTORIA___4 23517	48.65	45.16	38.78	36.24	35.54	39.13	43.03	45.34	47.04	51.85	52.39	53.12	56.45	60.00	64.12	68.61	84.22	83.10	81.72	75.97	67.27	60.71	54.04	49.16
	3.56	3.35	3.33	2.96	2.81	2.76	3.22	3.82	3.46	3.42	3.39	4.01	4.79	5.17	4.99	6.06	7.17	8.01	6.33	5.04	4.17	2.61	3.20	3.04
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.34	-5.11	-6.15	-1.33	-0.20	-0.45	-0.46	-0.77	-11.31	-0.21	0.00	0.00	0.00	0.00	0.00	0.00
ASTORIA___5 23518	48.62	45.17	38.79	36.24	35.54	39.13	43.04	45.35	46.96	51.85	52.35	53.16	56.40	59.94	64.17	69.09	84.23	83.10	81.63	75.89	67.20	60.71	53.99	49.17
	3.52	3.35	3.33	2.96	2.81	2.76	3.22	3.82	3.38	3.42	3.34	4.06	4.73	5.11	5.05	6.55	7.17	8.02	6.25	4.96	4.10	2.62	3.15	3.04
	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.34	-5.11	-6.15	-1.33	-0.21	-0.45	-0.46	-0.76	-11.31	-0.21	0.01	0.01	0.01	0.01	0.00	-0.01
AST_ENERGY_2_CC3 323677	37.49	37.49	37.49	36.03	35.34	37.49	37.49	37.49	37.49	37.49	36.48	36.48	36.48	37.99	43.62	48.91	62.38	63.17	61.45	55.61	44.09	40.56	36.48	36.48
	3.25	3.09	3.12	2.76	2.62	2.51	2.99	3.57	3.63	3.73	3.60	4.11	4.43	4.95	5.22	7.23	7.82	8.76	6.86	5.39	4.48	2.96	2.85	2.77
	10.85	7.42	1.08	0.00	0.00	1.38	5.31	7.60	9.39	9.56	9.97	15.40	19.41	21.33	20.27	20.11	11.20	20.46	20.79	20.72	23.50	20.50	17.21	12.40
AST_ENERGY_2_CC4 323678	37.49	37.49	37.49	36.03	35.34	37.49	37.49	37.49	37.49	37.49	36.48	36.48	36.48	37.99	43.62	48.91	62.38	63.17	61.45	55.61	44.09	40.56	36.48	36.48
	3.25	3.09	3.12	2.76	2.62	2.51	2.99	3.57	3.63	3.73	3.60	4.11	4.43	4.95	5.22	7.23	7.82	8.76	6.86	5.39	4.48	2.96	2.85	2.77
	10.85	7.42	1.08	0.00	0.00	1.38	5.31	7.60	9.39	9.56	9.97	15.40	19.41	21.33	20.27	20.11	11.20	20.46	20.79	20.72	23.50	20.50	17.21	12.40

ATHENS_STG_1 23668	46.58 1.49 0.00	43.28 1.46 0.00	37.12 1.67 0.00	34.94 1.66 0.00	34.29 1.57 0.00	37.74 1.38 0.00	41.36 1.55 0.00	43.18 1.66 0.00	44.76 1.51 0.00	44.84 1.52 0.00	44.46 1.41 -0.19	49.65 1.67 -0.20	53.46 1.91 -0.09	56.81 2.23 -0.20	61.28 2.41 -0.20	65.53 3.46 -0.28	69.37 3.61 0.00	78.92 4.04 0.00	78.32 2.94 0.00	73.35 2.41 0.00	65.25 2.15 0.00	59.43 1.34 0.00	51.96 1.12 0.00	47.18 1.06 0.00
ATHENS_STG_2 23670	46.58 1.49 0.00	43.28 1.46 0.00	37.12 1.67 0.00	34.94 1.66 0.00	34.29 1.57 0.00	37.74 1.38 0.00	41.36 1.55 0.00	43.18 1.66 0.00	44.76 1.51 0.00	44.84 1.52 0.00	44.46 1.41 -0.19	49.65 1.67 -0.20	53.46 1.91 -0.09	56.81 2.23 -0.20	61.28 2.41 -0.20	65.53 3.46 -0.28	69.37 3.61 0.00	78.92 4.04 0.00	78.32 2.94 0.00	73.35 2.41 0.00	65.25 2.15 0.00	59.43 1.34 0.00	51.96 1.12 0.00	47.18 1.06 0.00
ATHENS_STG_3 23677	46.58 1.49 0.00	43.28 1.46 0.00	37.12 1.67 0.00	34.94 1.66 0.00	34.29 1.57 0.00	37.74 1.38 0.00	41.36 1.55 0.00	43.18 1.66 0.00	44.76 1.51 0.00	44.84 1.52 0.00	44.46 1.41 -0.19	49.65 1.67 -0.20	53.46 1.91 -0.09	56.81 2.23 -0.20	61.28 2.41 -0.20	65.53 3.46 -0.28	69.37 3.61 0.00	78.92 4.04 0.00	78.32 2.94 0.00	73.35 2.41 0.00	65.25 2.15 0.00	59.43 1.34 0.00	51.96 1.12 0.00	47.18 1.06 0.00
AUBURN____LFGE 323710	45.41 0.32 0.00	41.98 0.17 0.00	35.77 0.32 0.00	33.34 0.07 0.00	32.85 0.13 0.00	36.36 0.00 0.00	39.81 0.00 0.00	41.56 0.04 0.00	43.50 0.26 0.00	43.76 0.43 0.00	43.28 0.43 0.00	48.30 0.53 0.00	52.03 0.57 0.00	54.76 0.38 0.00	59.14 0.47 0.00	61.98 0.19 0.00	66.48 0.72 0.00	75.70 0.82 0.00	76.21 0.83 0.00	72.28 1.35 0.00	64.12 1.01 0.00	59.03 0.93 0.00	51.82 0.61 -0.37	46.48 0.37 0.00
BABYLON_RES_REC 323704	48.48 3.38 0.00	45.97 4.14 -0.01	39.32 3.86 0.00	36.47 3.19 0.00	35.67 2.95 0.00	39.34 2.98 0.00	43.39 3.58 0.00	46.01 4.49 -0.01	47.44 4.19 0.00	47.91 4.42 -0.17	46.87 3.43 -0.58	52.07 3.96 -0.34	58.28 4.53 -2.29	64.04 5.17 -4.49	67.28 5.58 -3.03	74.61 7.35 -5.47	85.63 7.95 -11.92	96.66 9.06 -12.73	84.13 7.39 -1.36	78.79 6.03 -1.82	73.56 5.05 -5.41	65.81 3.49 -4.23	55.13 3.05 -1.24	48.06 2.03 0.08
BALL_HILL_WT_PWR 323825	45.36 0.27 0.00	41.90 0.08 0.00	35.77 0.32 0.00	32.78 -0.50 0.00	32.23 -0.49 0.00	35.45 -0.91 0.00	38.46 -1.35 0.00	39.90 -1.62 0.00	42.47 -0.78 0.00	43.32 0.00 0.00	43.24 0.38 0.00	48.06 0.29 0.00	51.98 0.51 0.00	54.32 -0.05 0.00	58.49 -0.18 0.00	60.93 -0.87 0.00	65.56 -0.20 0.00	73.76 -1.12 0.00	74.33 -1.06 0.00	71.50 0.56 0.00	63.49 0.38 0.00	58.33 0.23 0.00	51.45 0.61 0.00	46.35 0.23 0.00
BARON_WINDS____WT_PWR 323822	45.36 0.27 0.00	41.82 0.00 0.00	35.73 0.28 0.00	33.01 -0.27 0.00	32.46 -0.26 0.00	35.82 -0.54 0.00	39.05 -0.76 0.00	40.52 -1.00 0.00	42.73 -0.52 0.00	43.19 -0.13 0.00	42.85 0.00 0.00	47.77 0.00 0.00	51.41 -0.05 0.00	53.78 -0.60 0.00	57.79 -0.88 0.00	60.49 -1.30 0.00	64.97 -0.79 0.00	73.68 -1.20 0.00	74.40 -0.98 0.00	71.57 0.64 0.00	63.87 0.76 0.00	58.80 0.70 0.00	51.60 0.76 0.00	46.53 0.41 0.00
BARRETT_IC_1 23704	48.20 3.11 0.00	45.51 3.68 -0.01	39.00 3.54 0.00	36.27 3.00 0.00	35.47 2.75 0.00	39.12 2.76 0.00	43.11 3.30 0.00	45.55 4.03 -0.01	47.14 3.89 0.00	47.47 3.98 -0.17	47.16 3.69 -0.62	52.38 4.11 -0.50	81.40 4.53 -25.41	108.62 5.11 -49.13	93.84 5.34 -29.83	124.50 6.98 -55.72	139.62 7.43 -66.44	190.38 8.46 -107.04	98.55 6.86 -16.31	98.55 5.68 -21.94	133.39 4.98 -65.30	114.28 3.54 -52.64	72.05 3.46 -17.75	48.59 2.40 -0.08
BARRETT_IC_10 23701	48.20 3.11 0.00	45.51 3.68 -0.01	39.00 3.54 0.00	36.27 3.00 0.00	35.47 2.75 0.00	39.12 2.76 0.00	43.11 3.30 0.00	45.55 4.03 -0.01	47.14 3.89 0.00	47.47 3.98 -0.17	47.16 3.69 -0.62	52.38 4.11 -0.50	63.87 4.53 -7.88	74.78 5.11 -15.30	93.84 5.34 -29.83	124.50 6.98 -55.72	97.41 7.43 -24.23	117.17 8.46 -33.83	87.22 6.86 -4.98	83.30 5.68 -6.69	87.99 4.98 -19.90	77.68 3.54 -16.04	72.05 3.46 -17.75	48.59 2.40 -0.08
BARRETT_IC_11 23702	48.20 3.11 0.00	45.51 3.68 -0.01	39.00 3.54 0.00	36.27 3.00 0.00	35.47 2.75 0.00	39.12 2.76 0.00	43.11 3.30 0.00	45.55 4.03 -0.01	47.14 3.89 0.00	47.47 3.98 -0.17	47.16 3.69 -0.62	52.38 4.11 -0.50	63.87 4.53 -7.88	74.78 5.11 -15.30	93.84 5.34 -29.83	124.50 6.98 -55.72	97.41 7.43 -24.23	117.17 8.46 -33.83	87.22 6.86 -4.98	83.30 5.68 -6.69	87.99 4.98 -19.90	77.68 3.54 -16.04	72.05 3.46 -17.75	48.59 2.40 -0.08
BARRETT_IC_12 23703	48.20 3.11 0.00	45.51 3.68 -0.01	39.00 3.54 0.00	36.27 3.00 0.00	35.47 2.75 0.00	39.12 2.76 0.00	43.11 3.30 0.00	45.55 4.03 -0.01	47.14 3.89 0.00	47.47 3.98 -0.17	47.16 3.69 -0.62	52.38 4.11 -0.50	63.87 4.53 -7.88	74.78 5.11 -15.30	93.84 5.34 -29.83	124.50 6.98 -55.72	97.41 7.43 -24.23	117.17 8.46 -33.83	87.22 6.86 -4.98	83.30 5.68 -6.69	87.99 4.98 -19.90	77.68 3.54 -16.04	72.05 3.46 -17.75	48.59 2.40 -0.08
BARRETT_IC_2 23705	48.20 3.11 0.00	45.51 3.68 -0.01	39.00 3.54 0.00	36.27 3.00 0.00	35.47 2.75 0.00	39.12 2.76 0.00	43.11 3.30 0.00	45.55 4.03 -0.01	47.14 3.89 0.00	47.47 3.98 -0.17	47.16 3.69 -0.62	52.38 4.11 -0.50	81.40 4.53 -25.41	108.62 5.11 -49.13	93.84 5.34 -29.83	124.50 6.98 -55.72	139.62 7.43 -66.44	190.38 8.46 -107.04	98.55 6.86 -16.31	98.55 5.68 -21.94	133.39 4.98 -65.30	114.28 3.54 -52.64	72.05 3.46 -17.75	48.59 2.40 -0.08
BARRETT_IC_3 23706	48.20 3.11 0.00	45.51 3.68 -0.01	39.00 3.54 0.00	36.27 3.00 0.00	35.47 2.75 0.00	39.12 2.76 0.00	43.11 3.30 0.00	45.55 4.03 -0.01	47.14 3.89 0.00	47.47 3.98 -0.17	47.16 3.69 -0.62	52.38 4.11 -0.50	81.40 4.53 -25.41	108.62 5.11 -49.13	93.84 5.34 -29.83	124.50 6.98 -55.72	139.62 7.43 -66.44	190.38 8.46 -107.04	98.55 6.86 -16.31	98.55 5.68 -21.94	133.39 4.98 -65.30	114.28 3.54 -52.64	72.05 3.46 -17.75	48.59 2.40 -0.08
BARRETT_IC_4 23707	48.20 3.11 0.00	45.51 3.68 -0.01	39.00 3.54 0.00	36.27 3.00 0.00	35.47 2.75 0.00	39.12 2.76 0.00	43.11 3.30 0.00	45.55 4.03 -0.01	47.14 3.89 0.00	47.47 3.98 -0.17	47.16 3.69 -0.62	52.38 4.11 -0.50	81.40 4.53 -25.41	108.62 5.11 -49.13	93.84 5.34 -29.83	124.50 6.98 -55.72	139.62 7.43 -66.44	190.38 8.46 -107.04	98.55 6.86 -16.31	98.55 5.68 -21.94	133.39 4.98 -65.30	114.28 3.54 -52.64	72.05 3.46 -17.75	48.59 2.40 -0.08
BARRETT_IC_5 23708	48.20 3.11 0.00	45.51 3.68 -0.01	39.00 3.54 0.00	36.27 3.00 0.00	35.47 2.75 0.00	39.12 2.76 0.00	43.11 3.30 0.00	45.55 4.03 -0.01	47.14 3.89 0.00	47.47 3.98 -0.17	47.16 3.69 -0.62	52.38 4.11 -0.50	81.40 4.53 -25.41	108.62 5.11 -49.13	93.84 5.34 -29.83	124.50 6.98 -55.72	139.62 7.43 -66.44	190.38 8.46 -107.04	98.55 6.86 -16.31	98.55 5.68 -21.94	133.39 4.98 -65.30	114.28 3.54 -52.64	72.05 3.46 -17.75	48.59 2.40 -0.08

BARRETT_IC_6 23709	48.20 3.11 0.00	45.51 3.68 -0.01	39.00 3.54 0.00	36.27 3.00 0.00	35.47 2.75 0.00	39.12 2.76 0.00	43.11 3.30 0.00	45.55 4.03 -0.01	47.14 3.89 0.00	47.47 3.98 -0.17	47.16 3.69 -0.62	52.38 4.11 -0.50	81.40 4.53 -25.41	108.62 5.11 -49.13	93.84 5.34 -29.83	124.50 6.98 -55.72	139.62 7.43 -66.44	190.38 8.46 -107.04	98.55 6.86 -16.31	98.55 5.68 -21.94	133.39 4.98 -65.30	114.28 3.54 -52.64	72.05 3.46 -17.75	48.59 2.40 -0.08
BARRETT_IC_7 23710	48.52 3.43 0.00	45.50 3.68 0.00	39.00 3.55 0.00	36.27 2.99 0.00	35.47 2.75 0.00	39.13 2.76 0.00	43.07 3.26 0.00	45.55 4.03 0.00	47.23 3.98 0.00	47.48 3.99 -0.17	47.16 3.69 -0.62	52.28 4.01 -0.50	81.45 4.58 -25.41	108.62 5.11 -49.13	93.84 5.34 -29.83	124.00 6.49 -55.72	139.62 7.43 -66.44	190.38 8.46 -107.04	98.63 6.94 -16.31	98.62 5.75 -21.94	133.40 4.99 -65.30	114.28 3.54 -52.64	72.09 3.51 -17.75	48.60 2.40 -0.08
BARRETT_IC_8 23711	48.20 3.11 0.00	45.51 3.68 -0.01	39.00 3.54 0.00	36.27 3.00 0.00	35.47 2.75 0.00	39.12 2.76 0.00	43.11 3.30 0.00	45.55 4.03 -0.01	47.14 3.89 0.00	47.47 3.98 -0.17	47.16 3.69 -0.62	52.38 4.11 -0.50	81.40 4.53 -25.41	108.62 5.11 -49.13	93.84 5.34 -29.83	124.50 6.98 -55.72	139.62 7.43 -66.44	190.38 8.46 -107.04	98.55 6.86 -16.31	98.55 5.68 -21.94	133.39 4.98 -65.30	114.28 3.54 -52.64	72.05 3.46 -17.75	48.59 2.40 -0.08
BARRETT_IC_9 23700	48.20 3.11 0.00	45.51 3.68 -0.01	39.00 3.54 0.00	36.27 3.00 0.00	35.47 2.75 0.00	39.12 2.76 0.00	43.11 3.30 0.00	45.55 4.03 -0.01	47.14 3.89 0.00	47.47 3.98 -0.17	47.16 3.69 -0.62	52.38 4.11 -0.50	63.87 4.53 -7.88	74.78 5.11 -15.30	93.84 5.34 -29.83	124.50 6.98 -55.72	97.41 7.43 -24.23	117.17 8.46 -33.83	87.22 6.86 -4.98	83.30 5.68 -6.69	87.99 4.98 -19.90	77.68 3.54 -16.04	72.05 3.46 -17.75	48.59 2.40 -0.08
BARRETT___1 23545	48.20 3.11 0.00	45.51 3.68 -0.01	39.00 3.54 0.00	36.27 3.00 0.00	35.47 2.75 0.00	39.12 2.76 0.00	43.11 3.30 0.00	45.55 4.03 -0.01	47.14 3.89 0.00	47.47 3.98 -0.17	47.16 3.69 -0.62	52.38 4.11 -0.50	81.40 4.53 -25.41	108.62 5.11 -49.13	93.84 5.34 -29.83	124.50 6.98 -55.72	139.62 7.43 -66.44	190.38 8.46 -107.04	98.55 6.86 -16.31	98.55 5.68 -21.94	133.39 4.98 -65.30	114.28 3.54 -52.64	72.05 3.46 -17.75	48.59 2.40 -0.08
BARRETT___2 23546	48.20 3.11 0.00	45.51 3.68 -0.01	39.00 3.54 0.00	36.27 3.00 0.00	35.47 2.75 0.00	39.12 2.76 0.00	43.11 3.30 0.00	45.55 4.03 -0.01	47.14 3.89 0.00	47.47 3.98 -0.17	47.16 3.69 -0.62	52.38 4.11 -0.50	63.87 4.53 -7.88	74.78 5.11 -15.30	93.84 5.34 -29.83	124.50 6.98 -55.72	97.41 7.43 -24.23	117.17 8.46 -33.83	87.22 6.86 -4.98	83.30 5.68 -6.69	87.99 4.98 -19.90	77.68 3.54 -16.04	72.05 3.46 -17.75	48.59 2.40 -0.08
BATAVIA___115KV_TB1 55881	45.90 0.81 0.00	42.69 0.88 0.00	36.41 0.96 0.00	33.17 -0.10 0.00	32.75 0.03 0.00	35.96 -0.40 0.00	38.89 -0.92 0.00	40.40 -1.12 0.00	42.77 -0.48 0.00	43.63 0.30 0.00	43.41 0.56 0.00	48.44 0.67 0.00	52.18 0.72 0.00	54.76 0.38 0.00	59.14 0.47 0.00	60.99 -0.80 0.00	66.21 0.46 0.00	74.65 -0.22 0.00	75.31 -0.08 0.00	72.36 1.42 0.00	64.31 1.20 0.00	59.26 1.16 0.00	51.81 0.97 0.00	47.13 1.01 0.00
BAYONEEC___CTG1 323682	48.34 3.25 0.00	44.95 3.14 0.00	38.61 3.15 0.00	36.03 2.76 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.17 3.65 0.00	47.15 3.63 -0.27	51.15 3.73 -4.10	51.48 3.60 -5.02	53.04 4.11 -1.16	56.14 4.48 -0.20	59.83 5.00 -0.45	64.41 5.28 -0.46	69.70 7.16 -0.74	82.94 7.75 -9.43	83.73 8.68 -0.17	82.24 6.86 0.00	76.40 5.46 0.00	67.65 4.55 0.00	61.12 3.02 0.00	53.74 2.90 0.00	48.93 2.81 0.00
BAYONEEC___CTG10 323750	48.34 3.25 0.00	44.95 3.14 0.00	38.61 3.15 0.00	36.03 2.76 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.17 3.65 0.00	47.15 3.63 -0.27	51.15 3.73 -4.10	51.48 3.60 -5.02	53.04 4.11 -1.16	56.14 4.48 -0.20	59.83 5.00 -0.45	64.41 5.28 -0.46	69.70 7.16 -0.74	82.94 7.75 -9.43	83.73 8.68 -0.17	82.24 6.86 0.00	76.40 5.46 0.00	67.65 4.55 0.00	61.12 3.02 0.00	53.74 2.90 0.00	48.93 2.81 0.00
BAYONEEC___CTG2 323683	48.34 3.25 0.00	44.95 3.14 0.00	38.61 3.15 0.00	36.03 2.76 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.17 3.65 0.00	47.15 3.63 -0.27	51.15 3.73 -4.10	51.48 3.60 -5.02	53.04 4.11 -1.16	56.14 4.48 -0.20	59.83 5.00 -0.45	64.41 5.28 -0.46	69.70 7.16 -0.74	82.94 7.75 -9.43	83.73 8.68 -0.17	82.24 6.86 0.00	76.40 5.46 0.00	67.65 4.55 0.00	61.12 3.02 0.00	53.74 2.90 0.00	48.93 2.81 0.00
BAYONEEC___CTG3 323684	48.34 3.25 0.00	44.95 3.14 0.00	38.61 3.15 0.00	36.03 2.76 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.17 3.65 0.00	47.15 3.63 -0.27	51.15 3.73 -4.10	51.48 3.60 -5.02	53.04 4.11 -1.16	56.14 4.48 -0.20	59.83 5.00 -0.45	64.41 5.28 -0.46	69.70 7.16 -0.74	82.94 7.75 -9.43	83.73 8.68 -0.17	82.24 6.86 0.00	76.40 5.46 0.00	67.65 4.55 0.00	61.12 3.02 0.00	53.74 2.90 0.00	48.93 2.81 0.00
BAYONEEC___CTG4 323685	48.34 3.25 0.00	44.95 3.14 0.00	38.61 3.15 0.00	36.03 2.76 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.17 3.65 0.00	47.15 3.63 -0.27	51.15 3.73 -4.10	51.48 3.60 -5.02	53.04 4.11 -1.16	56.14 4.48 -0.20	59.83 5.00 -0.45	64.41 5.28 -0.46	69.70 7.16 -0.74	82.94 7.75 -9.43	83.73 8.68 -0.17	82.24 6.86 0.00	76.40 5.46 0.00	67.65 4.55 0.00	61.12 3.02 0.00	53.74 2.90 0.00	48.93 2.81 0.00
BAYONEEC___CTG5 323686	48.34 3.25 0.00	44.95 3.14 0.00	38.61 3.15 0.00	36.03 2.76 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.17 3.65 0.00	47.15 3.63 -0.27	51.15 3.73 -4.10	51.48 3.60 -5.02	53.04 4.11 -1.16	56.14 4.48 -0.20	59.83 5.00 -0.45	64.41 5.28 -0.46	69.70 7.16 -0.74	82.94 7.75 -9.43	83.73 8.68 -0.17	82.24 6.86 0.00	76.40 5.46 0.00	67.65 4.55 0.00	61.12 3.02 0.00	53.74 2.90 0.00	48.93 2.81 0.00
BAYONEEC___CTG6 323687	48.34 3.25 0.00	44.95 3.14 0.00	38.61 3.15 0.00	36.03 2.76 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.17 3.65 0.00	47.15 3.63 -0.27	51.15 3.73 -4.10	51.48 3.60 -5.02	53.04 4.11 -1.16	56.14 4.48 -0.20	59.83 5.00 -0.45	64.41 5.28 -0.46	69.70 7.16 -0.74	82.94 7.75 -9.43	83.73 8.68 -0.17	82.24 6.86 0.00	76.40 5.46 0.00	67.65 4.55 0.00	61.12 3.02 0.00	53.74 2.90 0.00	48.93 2.81 0.00
BAYONEEC___CTG7 323688	48.34 3.25 0.00	44.95 3.14 0.00	38.61 3.15 0.00	36.03 2.76 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.17 3.65 0.00	47.15 3.63 -0.27	51.15 3.73 -4.10	51.48 3.60 -5.02	53.04 4.11 -1.16	56.14 4.48 -0.20	59.83 5.00 -0.45	64.41 5.28 -0.46	69.70 7.16 -0.74	82.94 7.75 -9.43	83.73 8.68 -0.17	82.24 6.86 0.00	76.40 5.46 0.00	67.65 4.55 0.00	61.12 3.02 0.00	53.74 2.90 0.00	48.93 2.81 0.00

BAYONEEC___CTG8 323689	48.34 3.25 0.00	44.95 3.14 0.00	38.61 3.15 0.00	36.03 2.76 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.17 3.65 0.00	47.15 3.63 -0.27	51.15 3.73 -4.10	51.48 3.60 -5.02	53.04 4.11 -1.16	56.14 4.48 -0.20	59.83 5.00 -0.45	64.41 5.28 -0.46	69.70 7.16 -0.74	82.94 7.75 -9.43	83.73 8.68 -0.17	82.24 6.86 0.00	76.40 5.46 0.00	67.65 4.55 0.00	61.12 3.02 0.00	53.74 2.90 0.00	48.93 2.81 0.00
BAYONEEC___CTG9 323749	48.34 3.25 0.00	44.95 3.14 0.00	38.61 3.15 0.00	36.03 2.76 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.17 3.65 0.00	47.15 3.63 -0.27	51.15 3.73 -4.10	51.48 3.60 -5.02	53.04 4.11 -1.16	56.14 4.48 -0.20	59.83 5.00 -0.45	64.41 5.28 -0.46	69.70 7.16 -0.74	82.94 7.75 -9.43	83.73 8.68 -0.17	82.24 6.86 0.00	76.40 5.46 0.00	67.65 4.55 0.00	61.12 3.02 0.00	53.74 2.90 0.00	48.93 2.81 0.00
BEACON___LESR 323632	46.31 1.22 0.00	42.95 1.13 0.00	36.80 1.35 0.00	34.67 1.40 0.00	34.06 1.34 0.00	37.42 1.06 0.00	41.04 1.24 0.00	42.85 1.33 0.00	44.41 1.17 0.00	44.32 1.00 0.00	43.56 0.99 0.28	48.62 1.14 0.30	52.67 1.34 0.13	55.77 1.69 0.29	60.30 1.93 0.30	64.28 2.90 0.42	68.78 3.03 0.00	78.47 3.59 0.00	78.09 2.71 0.00	73.14 2.20 0.00	65.19 2.08 0.00	59.37 1.28 0.00	51.76 0.92 0.00	46.99 0.87 0.00
BEAVER RIVER___HYD 24048	45.64 0.54 0.00	42.23 0.42 0.00	35.67 0.21 0.00	33.41 0.13 0.00	32.98 0.26 0.00	36.91 0.55 0.00	40.41 0.60 0.00	42.10 0.58 0.00	44.11 0.86 0.00	44.06 0.74 0.00	43.41 0.56 0.00	48.30 0.53 0.00	51.87 0.41 0.00	54.92 0.54 0.00	59.14 0.47 0.00	61.61 -0.18 0.00	65.62 -0.13 0.00	74.80 -0.07 0.00	76.29 0.91 0.00	72.14 1.20 0.00	65.13 2.02 0.00	60.36 2.26 0.00	52.94 1.83 -0.27	47.59 1.48 0.00
BEEBEE_GT_13 23619	45.36 0.27 0.00	42.03 0.21 0.00	35.81 0.35 0.00	32.94 -0.33 0.00	32.46 -0.26 0.00	35.85 -0.51 0.00	38.97 -0.84 0.00	40.52 -1.00 0.00	42.73 -0.52 0.00	43.41 0.09 0.00	43.15 0.30 0.00	48.20 0.43 0.00	51.88 0.41 0.00	54.59 0.22 0.00	58.96 0.29 0.00	61.30 -0.49 0.00	66.08 0.33 0.00	74.73 -0.15 0.00	75.08 -0.30 0.00	71.65 0.71 0.00	63.61 0.50 0.00	58.56 0.46 0.00	51.25 0.41 0.00	46.48 0.37 0.00
BENSHRST_27_KV_BENSHRST_1 355998	49.20 4.10 0.00	45.62 3.81 0.00	39.14 3.69 0.00	36.50 3.23 0.00	35.80 3.08 0.00	39.42 3.05 0.00	43.31 3.50 0.00	45.55 4.03 0.00	47.21 3.63 -0.33	51.98 3.68 -4.98	52.50 3.64 -6.00	53.43 4.35 -1.31	56.86 5.20 -0.20	60.43 5.60 -0.45	64.58 5.46 -0.46	69.23 6.67 -0.77	84.62 7.89 -10.98	83.92 8.84 -0.21	82.47 7.09 0.00	76.75 5.82 0.00	68.03 4.92 0.00	61.18 3.08 0.00	54.50 3.66 0.00	49.67 3.55 0.00
BETHLEHEM___GRP 23843	45.63 0.54 0.00	42.32 0.50 0.00	36.27 0.82 0.00	34.27 1.00 0.00	33.64 0.92 0.00	36.87 0.51 0.00	40.45 0.64 0.00	42.27 0.75 0.00	43.76 0.52 0.00	43.67 0.35 0.00	42.93 0.34 0.27	47.92 0.43 0.28	51.91 0.57 0.12	54.92 0.82 0.28	59.33 0.94 0.28	62.88 1.48 0.39	67.53 1.78 0.00	76.97 2.10 0.00	76.66 1.28 0.00	71.86 0.92 0.00	64.05 0.95 0.00	58.33 0.23 0.00	50.94 0.10 0.00	46.21 0.09 0.00
BETHLEHEM___GS1 323560	45.59 0.50 0.00	42.32 0.50 0.00	36.27 0.82 0.00	34.24 0.97 0.00	33.64 0.91 0.00	36.87 0.51 0.00	40.44 0.63 0.00	42.23 0.71 0.00	43.72 0.48 0.00	43.67 0.34 0.00	42.89 0.30 0.27	47.92 0.43 0.28	51.86 0.51 0.12	54.86 0.76 0.28	59.33 0.94 0.28	63.19 1.79 0.39	67.53 1.78 0.00	76.97 2.09 0.00	76.66 1.28 0.00	71.79 0.85 0.00	63.99 0.88 0.00	58.33 0.23 0.00	50.89 0.05 0.00	46.21 0.09 0.00
BETHLEHEM___GS2 323561	45.59 0.50 0.00	42.32 0.50 0.00	36.27 0.82 0.00	34.24 0.97 0.00	33.64 0.91 0.00	36.87 0.51 0.00	40.44 0.63 0.00	42.23 0.71 0.00	43.72 0.48 0.00	43.67 0.34 0.00	42.89 0.30 0.27	47.92 0.43 0.28	51.86 0.51 0.12	54.86 0.76 0.28	59.33 0.94 0.28	63.19 1.79 0.39	67.53 1.78 0.00	76.97 2.09 0.00	76.66 1.28 0.00	71.79 0.85 0.00	63.99 0.88 0.00	58.33 0.23 0.00	50.89 0.05 0.00	46.21 0.09 0.00
BETHLEHEM___GS3 323562	45.59 0.50 0.00	42.32 0.50 0.00	36.27 0.82 0.00	34.24 0.97 0.00	33.64 0.91 0.00	36.87 0.51 0.00	40.44 0.63 0.00	42.23 0.71 0.00	43.72 0.48 0.00	43.67 0.34 0.00	42.89 0.30 0.27	47.92 0.43 0.28	51.86 0.51 0.12	54.86 0.76 0.28	59.33 0.94 0.28	63.19 1.79 0.39	67.53 1.78 0.00	76.97 2.09 0.00	76.66 1.28 0.00	71.79 0.85 0.00	63.99 0.88 0.00	58.33 0.23 0.00	50.89 0.05 0.00	46.21 0.09 0.00
BETHLEHEM___STEEL 23779	45.05 -0.05 0.00	41.82 0.00 0.00	35.74 0.28 0.00	32.58 -0.70 0.00	32.13 -0.59 0.00	35.34 -1.02 0.00	38.26 -1.55 0.00	39.61 -1.91 0.00	41.95 -1.30 0.00	42.98 -0.35 0.00	42.81 -0.04 0.00	47.72 -0.05 0.00	51.51 0.05 0.00	53.94 -0.44 0.00	58.08 -0.59 0.00	59.69 -2.10 0.00	64.90 -0.85 0.00	73.08 -1.80 0.00	73.50 -1.88 0.00	70.65 -0.28 0.00	62.73 -0.38 0.00	57.92 -0.17 0.00	50.79 -0.05 0.00	46.16 0.05 0.00
BETHLHEM_115KV_TB1 79974	45.77 0.68 0.00	42.44 0.63 0.00	36.37 0.92 0.00	34.34 1.06 0.00	33.70 0.98 0.00	36.98 0.62 0.00	40.57 0.76 0.00	42.35 0.83 0.00	43.89 0.65 0.00	43.80 0.48 0.00	43.08 0.47 0.25	48.08 0.57 0.26	52.07 0.72 0.11	55.10 0.98 0.26	59.52 1.11 0.26	63.03 1.61 0.37	67.72 1.97 0.00	77.20 2.32 0.00	76.89 1.51 0.00	72.00 1.06 0.00	64.18 1.07 0.00	58.50 0.41 0.00	51.09 0.25 0.00	46.35 0.23 0.00
BETHPAGE_CC_5 323564	48.34 3.25 0.00	45.75 3.93 -0.01	39.14 3.69 0.00	36.37 3.10 0.00	35.57 2.85 0.00	39.23 2.87 0.00	43.23 3.42 0.00	45.81 4.28 -0.01	47.31 4.06 0.00	47.78 4.29 -0.17	47.22 3.77 -0.60	52.44 4.30 -0.37	59.07 4.84 -2.77	65.25 5.44 -5.44	68.35 5.87 -3.81	76.32 7.60 -6.93	86.45 8.15 -12.55	97.84 9.21 -13.75	84.59 7.54 -1.67	79.43 6.24 -2.25	75.08 5.30 -6.67	67.10 3.72 -5.28	56.00 3.35 -1.81	48.50 2.44 0.05
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	45.05 -0.05 0.00	41.82 0.00 0.00	35.74 0.28 0.00	32.58 -0.70 0.00	32.13 -0.59 0.00	35.34 -1.02 0.00	38.26 -1.55 0.00	39.69 -1.83 0.00	42.03 -1.21 0.00	43.06 -0.26 0.00	42.94 0.09 0.00	47.87 0.10 0.00	51.67 0.21 0.00	54.05 -0.33 0.00	58.26 -0.41 0.00	59.88 -1.92 0.00	65.09 -0.66 0.00	73.31 -1.57 0.00	73.72 -1.66 0.00	70.87 -0.07 0.00	62.92 -0.19 0.00	58.04 -0.06 0.00	50.84 0.00 0.00	46.21 0.09 0.00
BINGHAMTON___COGEN 23790	45.63 0.54 0.00	42.23 0.42 0.00	36.05 0.60 0.00	33.64 0.37 0.00	33.11 0.39 0.00	36.58 0.22 0.00	40.01 0.20 0.00	41.69 0.17 0.00	43.59 0.35 0.00	43.97 0.65 0.00	43.56 0.64 -0.07	48.65 0.81 -0.07	52.37 0.87 -0.03	55.31 0.87 -0.07	59.62 0.88 -0.07	62.44 0.56 -0.09	67.00 1.25 0.00	76.15 1.27 0.00	76.29 0.90 0.00	72.28 1.35 0.00	64.24 1.14 0.00	59.03 0.93 0.00	51.50 0.66 0.00	46.58 0.46 0.00

BIXINCNT_115KV_LOAD 355685	44.69 -0.41 0.00	41.44 -0.38 0.00	35.42 -0.04 0.00	32.34 -0.93 0.00	31.94 -0.79 0.00	35.20 -1.16 0.00	38.22 -1.59 0.00	39.78 -1.74 0.00	42.16 -1.08 0.00	43.24 -0.09 0.00	43.11 0.26 0.00	48.11 0.33 0.00	51.98 0.51 0.00	54.43 0.05 0.00	58.49 -0.18 0.00	59.88 -1.92 0.00	64.90 -0.85 0.00	73.01 -1.87 0.00	73.50 -1.88 0.00	70.94 0.00 0.00	63.11 0.00 0.00	58.45 0.35 0.00	51.04 0.20 0.00	46.25 0.14 0.00
BLACK RIVER___HYD 24047	46.22 1.13 0.00	42.70 0.88 0.00	36.12 0.67 0.00	33.77 0.50 0.00	33.38 0.65 0.00	37.31 0.94 0.00	40.92 1.11 0.00	42.60 1.08 0.00	44.54 1.30 0.00	44.54 1.21 0.00	43.76 0.90 0.00	48.63 0.86 0.00	52.18 0.72 0.00	55.30 0.92 0.00	59.55 0.88 0.00	62.23 0.44 0.00	66.34 0.59 0.00	75.70 0.83 0.00	77.57 2.19 0.00	73.56 2.63 0.00	66.26 3.15 0.00	61.17 3.08 0.00	53.72 2.39 -0.49	47.96 1.85 0.00
BLACKRVR_115KV_TB2 79977	46.17 1.08 0.00	42.69 0.88 0.00	36.13 0.67 0.00	33.77 0.50 0.00	33.38 0.65 0.00	37.31 0.95 0.00	40.92 1.11 0.00	42.60 1.08 0.00	44.54 1.30 0.00	44.54 1.21 0.00	43.75 0.90 0.00	48.63 0.86 0.00	52.18 0.72 0.00	55.25 0.87 0.00	59.49 0.82 0.00	62.16 0.37 0.00	66.34 0.59 0.00	75.70 0.82 0.00	77.57 2.19 0.00	73.56 2.62 0.00	66.26 3.16 0.00	61.18 3.08 0.00	53.72 2.39 -0.49	47.96 1.84 0.00
BLDWN_LI_69_KV_BK4 356085	48.97 3.88 0.00	45.87 4.06 0.00	39.28 3.83 0.00	36.50 3.23 0.00	35.70 2.98 0.00	39.38 3.02 0.00	43.39 3.58 0.00	45.88 4.36 0.00	47.57 4.32 0.00	47.91 4.42 -0.17	47.59 4.11 -0.62	52.90 4.63 -0.49	65.22 5.35 -8.40	76.50 5.82 -16.31	75.51 6.22 -10.62	88.91 7.41 -19.70	99.66 8.42 -25.49	120.41 9.51 -36.02	88.69 7.99 -5.31	84.75 6.67 -7.15	90.23 5.87 -21.25	79.64 4.42 -17.13	61.04 4.07 -6.13	49.00 2.86 -0.02
BLISS_WT_PWR 323608	44.73 -0.36 0.00	41.32 -0.50 0.00	35.31 -0.14 0.00	32.38 -0.90 0.00	31.84 -0.88 0.00	35.09 -1.27 0.00	38.14 -1.67 0.00	39.69 -1.83 0.00	42.33 -0.91 0.00	43.19 -0.13 0.00	43.16 0.30 0.00	48.06 0.29 0.00	52.03 0.57 0.00	54.38 0.00 0.00	58.44 -0.23 0.00	60.87 -0.93 0.00	65.03 -0.72 0.00	73.16 -1.72 0.00	73.80 -1.59 0.00	71.29 0.36 0.00	63.49 0.38 0.00	58.39 0.29 0.00	51.35 0.51 0.00	46.21 0.09 0.00
BLUESTONE___WT_PWR 323821	47.75 2.66 0.00	44.11 2.30 0.00	37.61 2.16 0.00	35.14 1.86 0.00	34.65 1.93 0.00	38.43 2.07 0.00	42.16 2.35 0.00	44.18 2.66 0.00	46.14 2.90 0.00	46.18 2.86 -0.12	45.59 2.61 -0.07	50.66 2.82 -0.03	54.48 2.98 -0.06	57.76 3.32 -0.07	62.25 3.52 -0.09	65.78 3.90 0.00	70.02 4.27 0.00	79.74 4.86 0.00	80.74 5.35 0.00	76.40 5.46 0.00	68.22 5.11 0.00	62.40 4.30 0.00	54.20 3.35 0.00	48.83 2.72 0.00
BLUE_CIRC_CHEM_DRP 24182	46.26 1.17 0.00	42.95 1.13 0.00	36.73 1.28 0.00	34.64 1.36 0.00	34.03 1.31 0.00	37.42 1.05 0.00	40.92 1.11 0.00	42.60 1.08 0.00	44.11 0.86 0.00	43.97 0.65 0.17	43.33 0.64 0.17	48.36 0.76 0.08	52.31 0.93 0.17	55.35 1.14 0.17	59.85 1.35 0.17	63.34 1.79 0.24	67.86 2.10 0.00	77.42 2.55 0.00	77.34 1.96 0.00	72.64 1.70 0.00	64.81 1.70 0.00	59.20 1.10 0.00	51.70 0.86 0.00	46.94 0.83 0.00
BOC_GAS_DRP 24189	46.08 0.99 0.00	42.74 0.92 0.00	36.59 1.13 0.00	34.51 1.23 0.00	33.87 1.15 0.00	37.27 0.91 0.00	40.84 1.04 0.00	42.60 1.08 0.00	44.20 0.95 0.00	44.15 0.82 0.16	43.51 0.81 0.17	48.56 0.96 0.07	52.52 1.13 0.16	55.57 1.36 0.17	59.97 1.47 0.17	63.54 1.98 0.23	68.12 2.37 0.00	77.57 2.70 0.00	77.27 1.88 0.00	72.43 1.49 0.00	64.50 1.39 0.00	58.85 0.76 0.00	51.45 0.61 0.00	46.71 0.60 0.00
BOONVILLE_115KV_TB1 79983	46.04 0.95 0.00	42.61 0.79 0.00	36.16 0.71 0.00	33.87 0.60 0.00	33.41 0.69 0.00	37.20 0.84 0.00	40.76 0.96 0.00	42.52 1.00 0.00	44.46 1.21 0.00	44.41 1.08 0.00	43.84 0.99 0.00	48.87 1.10 0.00	52.54 1.08 0.00	55.68 1.31 0.00	60.02 1.35 0.00	62.90 1.11 0.00	67.13 1.38 0.00	76.45 1.57 0.00	77.57 2.19 0.00	73.14 2.20 0.00	65.63 2.52 0.00	60.48 2.38 0.00	52.67 1.83 0.00	47.59 1.48 0.00
BORALEX_4TH_BRANCH 23824	47.48 2.39 0.00	44.03 2.22 0.00	37.86 2.41 0.00	35.60 2.33 0.00	34.85 2.13 0.00	38.33 1.96 0.00	42.04 2.23 0.00	43.85 2.33 0.00	45.41 2.16 0.00	45.19 1.86 0.00	43.85 1.76 0.76	49.03 2.05 0.80	53.43 2.32 0.35	56.31 2.72 0.79	60.81 2.93 0.80	64.38 3.71 1.12	70.22 4.47 0.00	80.19 5.32 0.00	79.76 4.37 0.00	74.70 3.76 0.00	66.77 3.66 0.00	60.60 2.50 0.00	52.82 1.98 0.00	47.73 1.61 0.00
BOWLINE___1 23526	47.62 2.52 0.00	44.28 2.47 0.00	38.04 2.59 0.00	35.60 2.33 0.00	34.95 2.23 0.00	38.43 2.07 0.00	42.24 2.43 0.00	44.38 2.86 0.00	45.97 2.73 0.00	46.14 2.81 -0.41	45.97 2.70 -0.44	51.36 3.15 -0.19	55.26 3.60 -0.43	58.89 4.08 -0.44	63.45 4.34 -0.61	68.28 5.87 0.00	72.13 6.38 0.00	82.00 7.12 0.00	80.88 5.50 0.00	75.41 4.47 0.00	66.83 3.72 0.00	60.54 2.44 0.00	52.98 2.13 0.00	48.14 2.03 0.00
BOWLINE___2 23595	47.57 2.48 0.00	44.24 2.42 0.00	38.01 2.55 0.00	35.60 2.33 0.00	34.95 2.23 0.00	38.43 2.07 0.00	42.20 2.39 0.00	44.34 2.82 0.00	45.88 2.64 0.00	46.10 2.78 -0.41	45.92 2.66 -0.44	51.32 3.10 -0.19	55.16 3.50 -0.43	58.78 3.97 -0.44	63.33 4.23 -0.61	68.21 5.81 0.00	72.06 6.31 0.00	81.91 7.04 0.00	80.74 5.35 0.00	75.26 4.33 0.00	66.77 3.66 0.00	60.42 2.33 0.00	52.93 2.09 0.00	48.10 1.98 0.00
BRADY___115KV_TB2 356060	45.68 0.59 0.00	42.44 0.63 0.00	35.42 -0.04 0.00	33.27 0.00 0.00	32.79 0.07 0.00	36.91 0.55 0.00	40.41 0.60 0.00	42.06 0.54 0.00	43.76 0.52 0.00	43.71 0.39 0.00	43.20 0.34 0.00	47.96 0.19 0.00	51.41 -0.05 0.00	54.32 -0.05 0.00	58.61 -0.06 0.00	61.54 -0.25 0.00	64.83 -0.92 0.00	73.90 -0.97 0.00	74.93 -0.45 0.00	70.65 -0.28 0.00	63.04 -0.06 0.00	58.85 0.76 0.00	51.65 0.81 0.00	47.04 0.92 0.00
BRANSCOMB___SOLAR 323811	47.30 2.21 0.00	43.95 2.13 0.00	37.54 2.09 0.00	35.24 1.96 0.00	34.62 1.90 0.00	38.22 1.85 0.00	41.84 2.03 0.00	43.60 2.08 0.00	45.10 1.86 0.00	44.88 1.56 0.00	43.85 1.37 0.37	48.91 1.53 0.39	53.04 1.75 0.17	56.06 2.07 0.39	60.74 2.46 0.39	64.70 3.46 0.55	69.50 3.75 0.00	79.52 4.64 0.00	79.45 4.07 0.00	74.69 3.76 0.00	66.89 3.79 0.00	60.94 2.85 0.00	52.98 2.13 0.00	47.96 1.85 0.00
BRDGHMPT_69_KV_BK1 55812	49.69 4.60 0.00	46.79 4.98 0.00	39.81 4.36 0.00	36.87 3.59 0.00	36.06 3.34 0.00	39.85 3.49 0.00	43.95 4.14 0.00	46.79 5.27 0.00	48.61 5.36 0.00	49.25 5.76 -0.17	48.72 5.31 -0.55	53.98 6.11 -0.10	59.63 7.05 -1.12	64.68 8.05 -2.25	69.38 8.57 -2.14	74.17 9.58 -2.81	118.20 10.91 -41.54	177.48 12.43 -90.17	119.33 10.55 -33.39	80.62 8.87 -0.82	72.56 7.07 -2.38	65.15 5.46 -1.60	55.34 4.42 -0.07	49.18 3.23 0.17



BRENTWOD_69_KV_W. BRTWOOD 56703	49.02 3.92 0.00	46.29 4.47 0.00	39.53 4.08 0.00	36.67 3.39 0.00	35.83 3.11 0.00	39.56 3.20 0.00	43.59 3.78 0.00	46.21 4.69 0.00	47.79 4.54 0.00	48.13 4.64 -0.17	47.28 3.90 -0.53	52.71 4.44 -0.50	57.98 5.20 -1.31	62.76 5.82 -2.56	66.78 6.28 -1.83	72.52 7.48 -3.25	91.42 8.55 -17.12	97.90 9.43 -13.59	83.86 7.76 -0.71	78.56 6.67 -0.95	71.63 5.68 -2.84	64.44 4.07 -2.28	54.49 3.61 -0.04	48.35 2.44 0.21
BRISTLHL_115KV_TB1 79998	44.33 -0.77 0.00	41.06 -0.75 0.00	34.96 -0.50 0.00	32.64 -0.63 0.00	32.13 -0.59 0.00	35.60 -0.76 0.00	38.93 -0.88 0.00	40.65 -0.87 0.00	42.42 -0.82 0.00	42.59 -0.74 0.00	42.17 -0.69 0.00	47.01 -0.76 0.00	50.64 -0.82 0.00	53.34 -1.03 0.00	57.61 -1.06 0.00	60.49 -1.30 0.00	64.70 -1.05 0.00	73.68 -1.20 0.00	74.10 -1.28 0.00	70.09 -0.85 0.00	62.22 -0.88 0.00	57.23 -0.87 0.00	51.24 -0.81 -1.21	45.28 -0.83 0.00
BROOKHAVEN___DRP 24191	48.52 3.43 0.00	45.75 3.93 0.00	39.03 3.58 0.00	36.17 2.89 0.00	35.37 2.65 0.00	39.05 2.69 0.00	43.07 3.26 0.00	45.71 4.19 0.00	47.31 4.07 0.00	47.74 4.25 -0.17	47.05 3.64 -0.55	51.89 4.01 -0.10	57.26 4.68 -1.11	62.22 5.60 -2.24	66.71 5.93 -2.11	71.69 7.11 -2.80	114.38 8.42 -40.22	172.72 9.58 -88.26	115.39 7.92 -32.09	78.28 6.53 -0.82	70.72 5.24 -2.37	63.41 3.72 -1.59	53.97 3.05 -0.08	47.98 2.03 0.16
BROOKLYN_NAVY_YARD 23515	48.38 3.29 0.00	44.95 3.14 0.00	38.61 3.15 0.00	36.03 2.76 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.92 3.11 0.00	45.21 3.69 0.00	47.24 3.72 -0.27	51.28 3.85 -4.10	51.52 3.64 -5.02	53.14 4.20 -1.16	56.19 4.53 -0.20	59.94 5.11 -0.45	64.52 5.39 -0.46	69.88 7.35 -0.74	83.13 7.95 -9.43	83.96 8.91 -0.17	82.47 7.08 0.00	76.54 5.60 0.00	67.84 4.74 0.00	61.17 3.08 0.00	53.84 3.00 0.00	48.97 2.86 0.00
BROOKLYN___ARMY_DRP 323595	48.93 3.83 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.37 3.09 0.00	35.67 2.94 0.00	39.23 2.87 0.00	43.11 3.30 0.00	45.34 3.82 0.00	46.97 3.37 -0.36	52.15 3.42 -5.40	52.72 3.39 -6.48	53.17 4.01 -1.38	56.50 4.84 -0.20	60.05 5.22 -0.45	64.17 5.05 -0.46	68.80 6.24 -0.77	85.16 7.36 -12.04	83.42 8.31 -0.23	81.87 6.48 0.00	76.26 5.32 0.00	67.59 4.48 0.00	60.77 2.67 0.00	54.20 3.36 0.00	49.39 3.27 0.00
BROOME_2_LFGE 323671	45.68 0.58 0.00	42.23 0.42 0.00	36.05 0.60 0.00	33.67 0.40 0.00	33.12 0.39 0.00	36.58 0.22 0.00	40.01 0.20 0.00	41.69 0.17 0.00	43.63 0.39 0.00	43.97 0.65 0.00	43.57 0.64 -0.07	48.65 0.81 -0.07	52.42 0.93 -0.03	55.31 0.87 -0.07	59.62 0.88 -0.07	62.93 1.05 -0.09	67.07 1.31 0.00	76.23 1.35 0.00	76.36 0.98 0.00	72.35 1.42 0.00	64.30 1.20 0.00	59.02 0.93 0.00	51.60 0.76 0.00	46.58 0.46 0.00
BROOME___LFGE 323600	45.68 0.58 0.00	42.23 0.42 0.00	36.05 0.60 0.00	33.67 0.40 0.00	33.12 0.39 0.00	36.58 0.22 0.00	40.01 0.20 0.00	41.69 0.17 0.00	43.63 0.39 0.00	43.97 0.65 0.00	43.57 0.64 -0.07	48.65 0.81 -0.07	52.42 0.93 -0.03	55.31 0.87 -0.07	59.62 0.88 -0.07	62.93 1.05 -0.09	67.07 1.31 0.00	76.23 1.35 0.00	76.36 0.98 0.00	72.35 1.42 0.00	64.30 1.20 0.00	59.02 0.93 0.00	51.60 0.76 0.00	46.58 0.46 0.00
BROWNFLS_115KV_TB_3_5 80003	45.50 0.41 0.00	42.15 0.33 0.00	35.42 -0.04 0.00	33.24 -0.03 0.00	32.75 0.03 0.00	36.76 0.40 0.00	40.29 0.48 0.00	41.98 0.46 0.00	43.89 0.65 0.00	43.84 0.52 0.00	43.28 0.43 0.00	48.11 0.33 0.00	51.62 0.15 0.00	54.59 0.22 0.00	58.85 0.18 0.00	61.36 -0.43 0.00	65.03 -0.72 0.00	73.98 -0.90 0.00	75.16 -0.23 0.00	70.94 0.00 0.00	63.74 0.63 0.00	59.38 1.28 0.00	52.24 1.22 -0.18	47.22 1.11 0.00
BROWNSV1_27_KV_LOAD 356125	48.93 3.83 0.00	45.37 3.55 0.00	38.96 3.51 0.00	36.37 3.09 0.00	35.67 2.94 0.00	39.27 2.91 0.00	43.27 3.46 0.00	45.59 4.07 0.00	47.67 4.15 -0.27	51.67 4.25 -4.10	51.99 4.11 -5.02	53.66 4.73 -1.16	56.86 5.20 -0.20	60.60 5.76 -0.45	65.23 6.10 -0.46	70.01 7.48 -0.74	83.93 8.75 -9.43	84.86 9.81 -0.17	83.37 7.99 0.00	77.46 6.53 0.00	68.60 5.49 0.00	61.87 3.78 0.00	54.40 3.56 0.00	49.48 3.37 0.00
BURROWS___LYONSDAL 23803	45.86 0.77 0.00	42.44 0.63 0.00	35.98 0.53 0.00	33.71 0.43 0.00	33.25 0.52 0.00	37.05 0.69 0.00	40.61 0.80 0.00	42.35 0.83 0.00	44.37 1.12 0.00	44.28 0.95 0.00	43.71 0.86 0.00	48.68 0.91 0.00	52.39 0.93 0.00	55.46 1.09 0.00	59.78 1.11 0.00	62.47 0.68 0.00	66.67 0.92 0.00	76.00 1.12 0.00	77.12 1.73 0.00	72.78 1.84 0.00	65.51 2.40 0.00	60.42 2.32 0.00	52.80 1.83 -0.13	47.59 1.48 0.00
CAITHNESS_CC_1 323624	48.07 2.98 0.00	45.75 3.93 -0.01	39.03 3.58 0.00	36.17 2.89 0.00	35.37 2.65 0.00	39.02 2.65 0.00	43.03 3.22 0.00	45.77 4.24 -0.01	47.10 3.85 0.00	47.65 4.16 -0.17	46.92 3.51 -0.55	51.90 4.01 -0.11	57.10 4.53 -1.11	62.00 5.38 -2.24	66.51 5.75 -2.09	72.05 7.47 -2.79	112.80 8.15 -38.89	170.50 9.28 -86.34	113.71 7.54 -30.79	77.92 6.17 -0.81	70.52 5.05 -2.36	63.23 3.54 -1.59	53.83 2.90 -0.09	47.94 1.98 0.16
CALPINE BETH_PAGE_GT4 24209	48.74 3.65 0.00	45.79 3.97 0.00	39.21 3.76 0.00	36.40 3.13 0.00	35.63 2.91 0.00	39.31 2.95 0.00	43.31 3.50 0.00	45.84 4.32 0.00	47.49 4.24 0.00	47.82 4.33 -0.17	47.42 3.94 -0.62	52.54 4.25 -0.52	59.89 4.94 -3.48	66.73 5.55 -6.81	69.37 5.93 -4.77	77.63 7.11 -8.73	88.13 8.28 -14.09	100.64 9.36 -16.41	85.28 7.76 -2.13	80.19 6.38 -2.87	77.05 5.43 -8.51	68.81 3.83 -6.88	56.89 3.46 -2.60	48.70 2.58 -0.01
CALPINE_BETH_PAGE_GT_4 323586	48.43 3.34 0.00	45.80 3.97 -0.01	39.21 3.76 0.00	36.40 3.13 0.00	35.63 2.91 0.00	39.31 2.94 0.00	43.31 3.50 0.00	45.85 4.32 -0.01	47.36 4.11 0.00	47.82 4.33 -0.17	47.37 3.90 -0.62	52.68 4.39 -0.52	59.84 4.89 -3.48	66.68 5.49 -6.81	69.36 5.92 -4.77	78.18 7.66 -8.73	88.13 8.28 -14.09	100.64 9.36 -16.41	85.21 7.69 -2.13	80.12 6.31 -2.87	76.98 5.36 -8.51	68.81 3.83 -6.88	56.84 3.41 -2.60	48.70 2.58 -0.01
CALPINE_BP_GT1 23823	48.43 3.34 0.00	45.80 3.97 -0.01	39.21 3.76 0.00	36.40 3.13 0.00	35.63 2.91 0.00	39.31 2.94 0.00	43.31 3.50 0.00	45.85 4.32 -0.01	47.36 4.11 0.00	47.82 4.33 -0.17	47.37 3.90 -0.62	52.68 4.39 -0.52	59.84 4.89 -3.48	66.68 5.49 -6.81	69.36 5.92 -4.77	78.18 7.66 -8.73	88.13 8.28 -14.09	100.64 9.36 -16.41	85.21 7.69 -2.13	80.12 6.31 -2.87	76.98 5.36 -8.51	68.81 3.83 -6.88	56.84 3.41 -2.60	48.70 2.58 -0.01
CALSPAN___DRP 24200	45.05 -0.05 0.00	41.82 0.00 0.00	35.74 0.28 0.00	32.58 -0.70 0.00	32.13 -0.59 0.00	35.34 -1.02 0.00	38.26 -1.55 0.00	39.61 -1.91 0.00	41.95 -1.30 0.00	42.98 -0.35 0.00	42.81 -0.04 0.00	47.72 -0.05 0.00	51.51 0.05 0.00	53.94 -0.44 0.00	58.08 -0.59 0.00	59.69 -2.10 0.00	64.90 -0.85 0.00	73.08 -1.80 0.00	73.50 -1.88 0.00	70.65 -0.28 0.00	62.73 -0.38 0.00	57.92 -0.17 0.00	50.79 -0.05 0.00	46.16 0.05 0.00

CALVERTON___SOLAR 323806	48.25 3.16 0.00	45.88 4.06 -0.01	39.10 3.65 0.00	36.23 2.96 0.00	35.41 2.68 0.00	39.12 2.76 0.00	43.15 3.34 0.00	45.89 4.36 -0.01	47.22 3.98 0.00	47.86 4.37 -0.17	47.13 3.73 -0.55	52.22 4.35 -0.10	57.47 4.89 -1.11	62.44 5.82 -2.25	67.01 6.22 -2.12	72.56 7.97 -2.80	115.21 8.75 -40.71	173.84 9.96 -89.00	116.19 8.22 -32.58	78.57 6.81 -0.82	70.97 5.49 -2.37	63.64 3.95 -1.59	54.07 3.15 -0.08	48.16 2.21 0.16
CANDIGU_WT_PWR 323617	45.36 0.27 0.00	41.82 0.00 0.00	35.73 0.28 0.00	33.01 -0.27 0.00	32.46 -0.26 0.00	35.82 -0.54 0.00	39.05 -0.76 0.00	40.52 -1.00 0.00	42.73 -0.52 0.00	43.19 -0.13 0.00	42.85 0.00 0.00	47.77 0.00 0.00	51.41 -0.05 0.00	53.78 -0.60 0.00	57.79 -0.88 0.00	60.49 -1.30 0.00	64.97 -0.79 0.00	73.68 -1.20 0.00	74.40 -0.98 0.00	71.57 0.64 0.00	63.87 0.76 0.00	58.80 0.70 0.00	51.60 0.76 0.00	46.53 0.41 0.00
CARR STREET_E_SYR 24060	44.87 -0.22 0.00	41.48 -0.34 0.00	35.35 -0.11 0.00	33.01 -0.27 0.00	32.49 -0.23 0.00	35.96 -0.40 0.00	39.37 -0.44 0.00	41.11 -0.42 0.00	42.86 -0.39 0.00	43.02 -0.30 0.00	42.60 -0.26 0.00	47.53 -0.24 0.00	51.26 -0.21 0.00	54.05 -0.32 0.00	58.32 -0.35 0.00	61.48 -0.31 0.00	65.56 -0.20 0.00	74.58 -0.30 0.00	74.93 -0.45 0.00	70.87 -0.07 0.00	62.92 -0.19 0.00	57.81 -0.29 0.00	50.49 -0.35 0.00	45.65 -0.46 0.00
CARTHAGE___PAPER 23857	45.86 0.77 0.00	42.44 0.63 0.00	35.81 0.35 0.00	33.54 0.26 0.00	33.15 0.42 0.00	37.09 0.73 0.00	40.65 0.84 0.00	42.35 0.83 0.00	44.28 1.04 0.00	44.24 0.91 0.00	43.54 0.68 0.00	48.39 0.62 0.00	51.93 0.46 0.00	55.03 0.65 0.00	59.20 0.53 0.00	61.79 0.00 0.00	65.82 0.07 0.00	75.10 0.23 0.00	76.81 1.43 0.00	72.78 1.84 0.00	65.63 2.53 0.00	60.71 2.62 0.00	53.33 2.09 -0.40	47.77 1.66 0.00
CASSADAGA_WT_PWR 323784	45.81 0.72 0.00	42.19 0.38 0.00	35.98 0.53 0.00	32.97 -0.30 0.00	32.49 -0.23 0.00	35.78 -0.58 0.00	39.05 -0.76 0.00	40.77 -0.75 0.00	43.46 0.22 0.00	44.36 1.04 0.00	44.31 1.46 0.00	49.25 1.48 0.00	53.26 1.80 0.00	55.63 1.25 0.00	59.84 1.17 0.00	62.10 0.31 0.00	66.74 0.99 0.00	75.10 0.23 0.00	75.84 0.46 0.00	73.14 2.20 0.00	64.87 1.76 0.00	59.78 1.69 0.00	52.62 1.78 0.00	47.27 1.15 0.00
CE_DUNWOOD___DRP 24194	48.07 2.98 0.00	44.62 2.80 0.00	38.32 2.87 0.00	35.84 2.56 0.00	35.14 2.42 0.00	38.69 2.33 0.00	42.56 2.75 0.00	44.72 3.20 0.00	46.46 3.20 -0.01	46.68 3.21 -0.15	46.54 3.09 -0.60	51.84 3.58 -0.49	55.73 4.07 -0.20	59.45 4.62 -0.45	64.00 4.87 -0.46	68.37 5.93 -0.65	73.20 7.10 -0.34	82.82 7.94 -0.01	81.72 6.33 0.00	76.04 5.11 0.00	67.40 4.29 0.00	60.94 2.85 0.00	53.43 2.59 0.00	48.51 2.40 0.00
CE_MILLWOOD___DRP 24193	47.93 2.84 0.00	44.49 2.68 0.00	38.22 2.77 0.00	35.74 2.46 0.00	35.08 2.36 0.00	38.62 2.25 0.00	42.44 2.63 0.00	44.59 3.07 0.00	46.28 3.03 -0.01	46.52 3.08 -0.12	46.38 2.96 -0.57	51.69 3.44 -0.48	55.57 3.91 -0.20	59.23 4.40 -0.45	63.82 4.69 -0.46	68.18 5.75 -0.64	72.87 6.84 -0.28	82.45 7.56 -0.01	81.41 6.03 0.00	75.83 4.89 0.00	67.21 4.10 0.00	60.77 2.67 0.00	53.28 2.44 0.00	48.37 2.26 0.00
CE_NYC2_DRP 24202	48.70 3.61 0.00	45.16 3.35 0.00	38.78 3.33 0.00	36.24 2.96 0.00	35.54 2.81 0.00	39.13 2.76 0.00	43.07 3.26 0.00	45.34 3.82 0.00	47.09 3.50 -0.34	51.94 3.51 -5.11	52.43 3.43 -6.15	53.16 4.06 -1.33	56.50 4.84 -0.20	60.00 5.17 -0.45	64.17 5.05 -0.46	68.67 6.12 -0.77	84.29 7.23 -11.31	83.18 8.09 -0.21	81.79 6.41 0.00	75.97 5.04 0.00	67.27 4.17 0.00	60.77 2.67 0.00	54.04 3.20 0.00	49.16 3.04 0.00
CE_NYC_DRP 24195	48.52 3.43 0.00	45.04 3.22 0.00	38.68 3.23 0.00	36.10 2.83 0.00	35.44 2.72 0.00	38.98 2.62 0.00	42.95 3.14 0.00	45.22 3.70 0.00	47.27 3.76 -0.26	51.08 3.86 -3.90	51.34 3.69 -4.80	53.15 4.25 -1.13	56.35 4.68 -0.20	60.05 5.22 -0.45	64.64 5.51 -0.46	69.32 6.80 -0.74	82.74 8.02 -8.97	84.03 8.99 -0.16	82.54 7.16 0.00	76.75 5.82 0.00	67.90 4.80 0.00	61.29 3.20 0.00	53.94 3.10 0.00	49.02 2.91 0.00
CHAFFEE___LFGE 323603	45.41 0.32 0.00	41.90 0.08 0.00	35.77 0.32 0.00	32.74 -0.53 0.00	32.17 -0.56 0.00	35.42 -0.95 0.00	38.34 -1.47 0.00	39.74 -1.78 0.00	42.38 -0.86 0.00	43.15 -0.17 0.00	43.07 0.22 0.00	47.92 0.14 0.00	51.87 0.41 0.00	54.21 -0.16 0.00	58.38 -0.29 0.00	60.80 -0.99 0.00	65.42 -0.33 0.00	73.60 -1.27 0.00	74.17 -1.21 0.00	71.36 0.43 0.00	63.30 0.19 0.00	58.16 0.06 0.00	51.30 0.46 0.00	46.25 0.14 0.00
CHATEAUG_35_KV_LOAD 355732	44.28 -0.81 0.00	41.15 -0.67 0.00	34.42 -1.03 0.00	32.44 -0.83 0.00	31.94 -0.79 0.00	35.93 -0.44 0.00	39.37 -0.44 0.00	41.06 -0.46 0.00	42.81 -0.43 0.00	42.85 -0.48 0.00	42.38 -0.47 0.00	46.91 -0.86 0.00	50.28 -1.18 0.00	52.75 -1.63 0.00	56.85 -1.82 0.00	59.81 -1.98 0.00	63.25 -2.50 0.00	72.33 -2.55 0.00	73.12 -2.26 0.00	68.81 -2.13 0.00	61.15 -1.96 0.00	56.99 -1.10 0.00	50.23 -0.61 0.00	45.93 -0.18 0.00
CHATEAUG_WT_PWR 323614	44.23 -0.86 0.00	41.11 -0.71 0.00	34.42 -1.03 0.00	32.41 -0.87 0.00	31.94 -0.79 0.00	35.89 -0.47 0.00	39.33 -0.48 0.00	41.06 -0.46 0.00	42.81 -0.43 0.00	42.85 -0.48 0.00	42.43 -0.43 0.00	46.91 -0.86 0.00	50.28 -1.18 0.00	52.69 -1.69 0.00	56.79 -1.88 0.00	59.32 -2.47 0.00	63.12 -2.63 0.00	72.11 -2.77 0.00	72.90 -2.49 0.00	68.52 -2.41 0.00	60.90 -2.21 0.00	56.76 -1.33 0.00	50.02 -0.82 0.00	45.84 -0.28 0.00
CHAT_HIGH_FALL_HYD 323578	44.28 -0.81 0.00	41.15 -0.67 0.00	34.42 -1.03 0.00	32.44 -0.83 0.00	31.94 -0.79 0.00	35.93 -0.44 0.00	39.37 -0.44 0.00	41.06 -0.46 0.00	42.81 -0.43 0.00	42.85 -0.48 0.00	42.38 -0.47 0.00	46.91 -0.86 0.00	50.28 -1.18 0.00	52.75 -1.63 0.00	56.85 -1.82 0.00	59.81 -1.98 0.00	63.25 -2.50 0.00	72.33 -2.55 0.00	73.12 -2.26 0.00	68.81 -2.13 0.00	61.15 -1.96 0.00	56.99 -1.10 0.00	50.23 -0.61 0.00	45.93 -0.18 0.00
CHAUTAUQUA___LFGE 323629	45.72 0.63 0.00	42.15 0.33 0.00	35.98 0.53 0.00	32.97 -0.30 0.00	32.46 -0.26 0.00	35.71 -0.65 0.00	38.82 -0.99 0.00	40.36 -1.16 0.00	43.03 -0.22 0.00	43.89 0.56 0.00	43.84 0.99 0.00	48.73 0.96 0.00	52.70 1.23 0.00	55.08 0.71 0.00	59.32 0.65 0.00	61.73 -0.06 0.00	66.34 0.59 0.00	74.73 -0.15 0.00	75.31 -0.08 0.00	72.49 1.56 0.00	64.30 1.20 0.00	59.14 1.05 0.00	52.11 1.27 0.00	46.90 0.78 0.00
CHERRYST_13_KV_LD 356241	48.70 3.61 0.00	45.20 3.39 0.00	38.82 3.37 0.00	36.24 2.96 0.00	35.54 2.81 0.00	39.13 2.76 0.00	43.11 3.30 0.00	45.42 3.90 0.00	47.48 3.98 -0.26	51.32 4.07 -3.92	51.62 3.94 -4.82	53.44 4.54 -1.13	56.66 4.99 -0.20	60.38 5.55 -0.45	65.00 5.87 -0.46	69.70 7.17 -0.74	83.18 8.42 -9.01	84.40 9.36 -0.16	82.92 7.54 0.00	77.04 6.10 0.00	68.22 5.11 0.00	61.52 3.43 0.00	54.15 3.30 0.00	49.20 3.09 0.00

CHESTROR_138KV_BK263 355645	47.48 2.39 0.00	44.07 2.26 0.00	37.83 2.38 0.00	35.44 2.16 0.00	34.78 2.06 0.00	38.29 1.93 0.00	42.04 2.23 0.00	44.05 2.53 0.00	45.71 2.46 0.00	45.79 2.47 0.00	45.64 2.40 -0.38	50.95 2.77 -0.41	54.83 3.19 -0.18	58.42 3.64 -0.40	62.95 3.87 -0.41	67.12 4.76 -0.57	71.47 5.72 0.00	81.32 6.44 0.00	80.21 4.82 0.00	74.84 3.90 0.00	66.45 3.34 0.00	60.25 2.15 0.00	52.77 1.93 0.00	47.87 1.75 0.00
CH_MIDHUDSON___DRP 24192	47.80 2.71 0.00	44.33 2.51 0.00	38.04 2.59 0.00	35.64 2.36 0.00	34.98 2.26 0.00	38.47 2.11 0.00	42.28 2.47 0.00	44.30 2.78 0.00	46.01 2.77 0.00	45.97 2.64 0.00	45.75 2.57 -0.32	51.08 2.96 -0.35	55.06 3.45 -0.15	58.63 3.92 -0.34	63.24 4.22 -0.34	67.40 5.13 -0.48	71.80 6.05 0.00	81.69 6.81 0.00	80.81 5.43 0.00	75.41 4.47 0.00	66.96 3.85 0.00	60.65 2.56 0.00	53.13 2.29 0.00	48.19 2.08 0.00
CH_MISC_IPPS 23765	48.02 2.93 0.00	44.62 2.80 0.00	38.22 2.77 0.00	35.80 2.53 0.00	35.14 2.42 0.00	38.69 2.33 0.00	42.52 2.71 0.00	44.59 3.07 0.00	46.23 2.98 0.00	46.23 2.90 0.00	46.03 2.83 -0.35	51.40 3.25 -0.37	55.43 3.81 -0.16	59.04 4.29 -0.37	63.68 4.63 -0.37	68.43 6.12 -0.52	72.33 6.57 0.00	82.22 7.34 0.00	81.34 5.95 0.00	75.90 4.96 0.00	67.34 4.23 0.00	61.00 2.90 0.00	53.38 2.54 0.00	48.47 2.35 0.00
CH_RES_BVR_FALLS 23983	44.64 -0.45 0.00	41.44 -0.38 0.00	35.03 -0.42 0.00	32.91 -0.37 0.00	32.39 -0.33 0.00	36.11 -0.25 0.00	39.57 -0.24 0.00	41.31 -0.21 0.00	43.03 -0.22 0.00	43.11 -0.22 0.00	42.64 -0.21 0.00	47.49 -0.28 0.00	51.05 -0.41 0.00	53.89 -0.49 0.00	58.08 -0.59 0.00	60.99 -0.81 0.00	64.90 -0.86 0.00	73.98 -0.90 0.00	74.48 -0.90 0.00	70.16 -0.78 0.00	62.48 -0.63 0.00	57.75 -0.35 0.00	50.59 -0.25 0.00	45.93 -0.18 0.00
CH_RES_NIAGARA 23895	44.19 -0.90 0.00	40.73 -1.09 0.00	34.78 -0.67 0.00	31.68 -1.60 0.00	31.22 -1.51 0.00	34.69 -1.67 0.00	37.06 -2.75 0.00	38.16 -3.36 0.00	40.43 -2.81 0.00	41.42 -1.91 0.00	41.27 -1.59 0.00	45.96 -1.82 0.00	49.51 -1.96 0.00	51.82 -2.56 0.00	55.79 -2.87 0.00	57.40 -4.39 0.00	62.33 -3.42 0.00	70.09 -4.79 0.00	70.41 -4.98 0.00	67.67 -3.26 0.00	60.20 -2.90 0.00	55.60 -2.50 0.00	48.96 -1.88 0.00	44.69 -1.43 0.00
CH_RES_SYRACUSE 23985	45.09 0.00 0.00	41.73 -0.08 0.00	35.52 0.07 0.00	33.17 -0.10 0.00	32.66 -0.07 0.00	36.15 -0.22 0.00	39.57 -0.24 0.00	41.31 -0.21 0.00	43.20 -0.04 0.00	43.37 0.04 0.00	42.90 0.04 0.00	47.87 0.10 0.00	51.57 0.10 0.00	54.38 0.00 0.00	58.67 0.00 0.00	61.85 0.06 0.00	65.95 0.20 0.00	75.03 0.15 0.00	75.46 0.08 0.00	71.36 0.43 0.00	63.36 0.25 0.00	58.27 0.17 0.00	51.37 0.05 -0.48	46.02 -0.09 0.00
CLINTON_WT_PWR 323605	44.23 -0.86 0.00	41.11 -0.71 0.00	34.42 -1.03 0.00	32.41 -0.87 0.00	31.94 -0.79 0.00	35.89 -0.47 0.00	39.33 -0.48 0.00	41.06 -0.46 0.00	42.81 -0.43 0.00	42.85 -0.48 0.00	42.43 -0.43 0.00	46.91 -0.86 0.00	50.28 -1.18 0.00	52.69 -1.69 0.00	56.79 -1.88 0.00	59.32 -2.47 0.00	63.12 -2.63 0.00	72.11 -2.77 0.00	72.90 -2.49 0.00	68.52 -2.41 0.00	60.90 -2.21 0.00	56.76 -1.33 0.00	50.02 -0.82 0.00	45.84 -0.28 0.00
CLINTON___LFGE 323618	44.60 -0.50 0.00	41.48 -0.34 0.00	34.71 -0.75 0.00	32.68 -0.60 0.00	32.20 -0.52 0.00	36.18 -0.18 0.00	39.69 -0.12 0.00	41.44 -0.08 0.00	43.20 -0.04 0.00	43.28 -0.04 0.00	42.85 0.00 0.00	47.25 -0.52 0.00	50.64 -0.83 0.00	52.85 -1.52 0.00	56.79 -1.88 0.00	59.38 -2.41 0.00	63.12 -2.63 0.00	72.33 -2.55 0.00	73.12 -2.26 0.00	68.74 -2.20 0.00	61.09 -2.02 0.00	56.87 -1.22 0.00	50.28 -0.56 0.00	46.30 0.19 0.00
COBBLENY_34_KV_TB1 80064	45.14 0.05 0.00	41.90 0.08 0.00	35.77 0.32 0.00	32.64 -0.63 0.00	32.20 -0.52 0.00	35.42 -0.95 0.00	38.34 -1.47 0.00	39.78 -1.74 0.00	42.08 -1.17 0.00	43.15 -0.17 0.00	42.98 0.13 0.00	47.92 0.14 0.00	51.77 0.31 0.00	54.16 -0.22 0.00	58.38 -0.29 0.00	59.94 -1.85 0.00	65.29 -0.46 0.00	73.46 -1.42 0.00	73.88 -1.51 0.00	71.01 0.07 0.00	63.04 -0.06 0.00	58.16 0.06 0.00	50.94 0.10 0.00	46.25 0.14 0.00
COFFEEN___115KV_TB3 355620	46.49 1.40 0.00	42.95 1.13 0.00	36.34 0.89 0.00	33.97 0.70 0.00	33.61 0.88 0.00	37.56 1.20 0.00	41.16 1.35 0.00	42.85 1.33 0.00	44.80 1.56 0.00	44.80 1.47 0.00	43.97 1.11 0.00	48.87 1.10 0.00	52.44 0.98 0.00	55.52 1.14 0.00	59.78 1.11 0.00	62.41 0.62 0.00	66.74 0.99 0.00	76.15 1.27 0.00	78.17 2.79 0.00	74.27 3.33 0.00	66.89 3.79 0.00	61.70 3.60 0.00	54.09 2.75 -0.50	48.28 2.17 0.00
COLDSPRG_115KV_BK1 355956	45.68 0.59 0.00	42.32 0.50 0.00	36.13 0.67 0.00	32.97 -0.30 0.00	32.62 -0.10 0.00	35.89 -0.47 0.00	39.17 -0.64 0.00	40.90 -0.62 0.00	43.33 0.09 0.00	44.49 1.17 0.00	44.31 1.46 0.00	49.35 1.58 0.00	53.32 1.85 0.00	55.79 1.41 0.00	60.08 1.41 0.00	61.17 -0.62 0.00	66.67 0.92 0.00	75.03 0.15 0.00	75.46 0.08 0.00	72.71 1.77 0.00	64.56 1.45 0.00	59.96 1.86 0.00	52.26 1.42 0.00	47.18 1.06 0.00
COLONIE_LFGE___ 323577	46.90 1.81 0.00	43.53 1.72 0.00	37.29 1.84 0.00	35.04 1.76 0.00	34.42 1.70 0.00	37.89 1.53 0.00	41.52 1.71 0.00	43.30 1.78 0.00	44.89 1.64 0.00	44.75 1.43 0.00	43.74 1.33 0.44	48.84 1.53 0.46	53.01 1.75 0.20	55.99 2.07 0.46	60.56 2.35 0.46	64.48 3.33 0.65	69.30 3.55 0.00	79.07 4.19 0.00	78.85 3.47 0.00	73.92 2.98 0.00	66.01 2.90 0.00	60.07 1.98 0.00	52.36 1.52 0.00	47.45 1.34 0.00
COOPERNY_115KV_TB1 80082	47.08 1.98 0.00	43.66 1.84 0.00	37.47 2.02 0.00	35.14 1.86 0.00	34.49 1.77 0.00	38.00 1.64 0.00	41.68 1.87 0.00	43.76 2.24 0.00	45.45 2.21 0.00	45.53 2.21 0.00	45.24 2.10 -0.29	50.43 2.34 -0.32	54.28 2.68 -0.14	57.79 3.10 -0.31	62.27 3.29 -0.32	66.25 4.02 -0.45	70.62 4.87 0.00	80.27 5.39 0.00	78.93 3.54 0.00	73.84 2.91 0.00	65.63 2.52 0.00	59.72 1.63 0.00	52.31 1.47 0.00	47.45 1.34 0.00
COPENHAGEN_WT_PWR 323753	46.04 0.95 0.00	42.53 0.71 0.00	36.02 0.57 0.00	33.67 0.40 0.00	33.28 0.56 0.00	37.16 0.80 0.00	40.73 0.92 0.00	42.43 0.91 0.00	44.37 1.12 0.00	44.36 1.04 0.00	43.63 0.77 0.00	48.49 0.72 0.00	52.08 0.62 0.00	55.14 0.76 0.00	59.38 0.71 0.00	62.04 0.25 0.00	66.15 0.40 0.00	75.47 0.60 0.00	77.27 1.89 0.00	73.27 2.34 0.00	65.88 2.77 0.00	60.77 2.67 0.00	53.45 2.09 -0.53	47.73 1.61 0.00
CORNELL_____ 23752	46.08 0.99 0.00	42.65 0.84 0.00	36.34 0.89 0.00	33.87 0.60 0.00	33.38 0.65 0.00	36.94 0.58 0.00	40.49 0.68 0.00	42.23 0.71 0.00	44.11 0.86 0.00	44.28 0.95 0.00	43.75 0.90 0.00	48.82 1.05 0.00	52.54 1.08 0.00	55.41 1.03 0.00	59.84 1.17 0.00	62.66 0.87 0.00	67.33 1.58 0.00	76.75 1.87 0.00	77.27 1.88 0.00	73.35 2.41 0.00	65.13 2.02 0.00	59.96 1.86 0.00	52.16 1.32 0.00	47.13 1.01 0.00

CORONA__69_KV_TB1 355595	48.93 3.83 0.00	45.75 3.93 0.00	39.21 3.76 0.00	36.47 3.19 0.00	35.70 2.98 0.00	39.34 2.98 0.00	43.35 3.54 0.00	45.80 4.28 0.00	47.57 4.32 0.00	47.87 4.38 -0.17	47.63 4.16 -0.62	52.90 4.63 -0.49	72.97 5.35 -16.16	91.63 5.98 -31.27	84.02 6.34 -19.01	104.70 7.48 -35.43	118.59 8.68 -44.16	153.08 9.81 -68.40	93.93 8.22 -10.33	91.78 6.95 -13.89	110.37 5.93 -41.33	95.77 4.36 -33.32	66.11 4.07 -11.20	48.98 2.81 -0.05
CORTLAND__115KV_TB3 80093	45.72 0.63 0.00	42.32 0.50 0.00	36.09 0.64 0.00	33.67 0.40 0.00	33.18 0.46 0.00	36.73 0.36 0.00	40.21 0.40 0.00	41.94 0.42 0.00	43.81 0.56 0.00	43.97 0.65 0.00	43.45 0.60 0.00	48.49 0.72 0.00	52.29 0.82 0.00	55.19 0.82 0.00	59.55 0.88 0.00	62.47 0.68 0.00	66.94 1.18 0.00	76.23 1.35 0.00	76.66 1.28 0.00	72.57 1.63 0.00	64.56 1.45 0.00	59.32 1.22 0.00	51.70 0.86 0.00	46.71 0.60 0.00
COXSACKIE__GT 23611	47.44 2.34 0.00	44.03 2.21 0.00	37.51 2.06 0.00	35.34 2.06 0.00	34.75 2.03 0.00	38.25 1.89 0.00	41.96 2.15 0.00	43.55 2.03 0.00	45.02 1.77 0.00	44.41 1.08 0.00	44.21 1.46 0.10	49.19 1.53 0.11	53.42 2.01 0.05	56.61 2.34 0.11	61.38 2.82 0.11	65.35 3.71 0.15	69.10 3.35 0.00	79.22 4.34 0.00	79.60 4.22 0.00	74.91 3.97 0.00	66.77 3.66 0.00	60.89 2.79 0.00	53.03 2.18 0.00	48.14 2.03 0.00
CPV_VALLEY__CC1 323721	47.07 1.98 0.00	43.74 1.92 0.00	37.58 2.13 0.00	35.20 1.93 0.00	34.55 1.83 0.00	38.04 1.67 0.00	41.72 1.91 0.00	43.76 2.24 0.00	45.36 2.12 0.00	45.49 2.17 0.00	45.31 2.10 -0.35	50.58 2.44 -0.38	54.40 2.78 -0.16	57.96 3.21 -0.37	62.45 3.40 -0.38	67.08 4.76 -0.53	70.88 5.13 0.00	80.64 5.77 0.00	79.38 3.99 0.00	74.20 3.26 0.00	65.88 2.77 0.00	59.78 1.69 0.00	52.32 1.48 0.00	47.55 1.43 0.00
CPV_VALLEY__CC2 323722	47.07 1.98 0.00	43.74 1.92 0.00	37.58 2.13 0.00	35.20 1.93 0.00	34.55 1.83 0.00	38.04 1.67 0.00	41.72 1.91 0.00	43.76 2.24 0.00	45.36 2.12 0.00	45.49 2.17 0.00	45.31 2.10 -0.35	50.58 2.44 -0.38	54.40 2.78 -0.16	57.96 3.21 -0.37	62.45 3.40 -0.38	67.08 4.76 -0.53	70.88 5.13 0.00	80.64 5.77 0.00	79.38 3.99 0.00	74.20 3.26 0.00	65.88 2.77 0.00	59.78 1.69 0.00	52.32 1.48 0.00	47.55 1.43 0.00
CRESCENT__HYD 24018	46.90 1.81 0.00	43.53 1.72 0.00	37.29 1.84 0.00	35.04 1.76 0.00	34.42 1.70 0.00	37.89 1.53 0.00	41.52 1.71 0.00	43.30 1.78 0.00	44.89 1.64 0.00	44.75 1.43 0.00	43.74 1.33 0.44	48.84 1.53 0.46	53.01 1.75 0.20	55.99 2.07 0.46	60.56 2.35 0.46	64.48 3.33 0.65	69.30 3.55 0.00	79.07 4.19 0.00	78.85 3.47 0.00	73.92 2.98 0.00	66.01 2.90 0.00	60.07 1.98 0.00	52.36 1.52 0.00	47.45 1.34 0.00
CRICKET__VALLEY_CC1 323756	47.12 2.03 0.00	43.78 1.97 0.00	37.61 2.16 0.00	35.27 2.00 0.00	34.59 1.86 0.00	38.04 1.67 0.00	41.80 1.99 0.00	43.76 2.24 0.00	45.32 2.08 0.00	45.32 1.99 0.00	39.83 1.84 4.86	44.83 2.20 5.14	51.75 2.52 2.23	52.25 2.93 5.06	56.72 3.17 5.11	59.12 4.51 7.18	70.69 4.93 0.00	80.50 5.62 0.00	79.60 4.22 0.00	74.27 3.33 0.00	66.07 2.97 0.00	59.84 1.74 0.00	52.32 1.48 0.00	47.50 1.38 0.00
CRICKET__VALLEY_CC2 323757	47.12 2.03 0.00	43.78 1.97 0.00	37.61 2.16 0.00	35.27 2.00 0.00	34.59 1.86 0.00	38.04 1.67 0.00	41.80 1.99 0.00	43.76 2.24 0.00	45.32 2.08 0.00	45.32 1.99 0.00	39.83 1.84 4.86	44.83 2.20 5.14	51.75 2.52 2.23	52.25 2.93 5.06	56.72 3.17 5.11	59.12 4.51 7.18	70.69 4.93 0.00	80.50 5.62 0.00	79.60 4.22 0.00	74.27 3.33 0.00	66.07 2.97 0.00	59.84 1.74 0.00	52.32 1.48 0.00	47.50 1.38 0.00
CRICKET__VALLEY_CC3 323758	47.12 2.03 0.00	43.78 1.97 0.00	37.61 2.16 0.00	35.27 2.00 0.00	34.59 1.86 0.00	38.04 1.67 0.00	41.80 1.99 0.00	43.76 2.24 0.00	45.32 2.08 0.00	45.32 1.99 0.00	39.83 1.84 4.86	44.83 2.20 5.14	51.75 2.52 2.23	52.25 2.93 5.06	56.72 3.17 5.11	59.12 4.51 7.18	70.69 4.93 0.00	80.50 5.62 0.00	79.60 4.22 0.00	74.27 3.33 0.00	66.07 2.97 0.00	59.84 1.74 0.00	52.32 1.48 0.00	47.50 1.38 0.00
CRUCIBLE__METL_DRP 24180	45.05 -0.05 0.00	41.73 -0.08 0.00	35.52 0.07 0.00	33.14 -0.13 0.00	32.66 -0.07 0.00	36.14 -0.22 0.00	39.57 -0.24 0.00	41.31 -0.21 0.00	43.16 -0.09 0.00	43.37 0.04 0.00	42.90 0.04 0.00	47.87 0.10 0.00	51.57 0.10 0.00	54.32 -0.05 0.00	58.67 0.00 0.00	61.54 -0.25 0.00	65.88 0.13 0.00	75.03 0.15 0.00	75.46 0.08 0.00	71.36 0.43 0.00	63.30 0.19 0.00	58.27 0.17 0.00	51.37 0.05 -0.48	46.02 -0.09 0.00
DAHOWA__HYDRO 323763	47.44 2.34 0.00	44.03 2.21 0.00	37.61 2.16 0.00	35.30 2.03 0.00	34.68 1.96 0.00	38.32 1.96 0.00	41.96 2.15 0.00	43.72 2.20 0.00	45.24 1.99 0.00	45.01 1.69 0.00	43.95 1.46 0.36	49.02 1.63 0.38	53.15 1.85 0.16	56.18 2.18 0.37	60.87 2.58 0.37	64.85 3.58 0.53	69.70 3.94 0.00	79.74 4.86 0.00	79.83 4.45 0.00	74.98 4.04 0.00	67.15 4.04 0.00	61.17 3.08 0.00	53.13 2.29 0.00	48.10 1.98 0.00
DANC__LFGE 323619	45.45 0.36 0.00	42.03 0.21 0.00	35.67 0.21 0.00	33.34 0.07 0.00	32.89 0.16 0.00	36.62 0.26 0.00	40.13 0.32 0.00	41.81 0.29 0.00	43.68 0.43 0.00	43.71 0.39 0.00	43.11 0.26 0.00	47.96 0.19 0.00	51.57 0.10 0.00	54.54 0.16 0.00	58.73 0.06 0.00	61.54 -0.25 0.00	65.56 -0.20 0.00	74.73 -0.15 0.00	75.98 0.60 0.00	72.00 1.07 0.00	64.49 1.39 0.00	59.37 1.28 0.00	52.58 1.07 -0.67	46.85 0.74 0.00
DANSKAMMER__1 23586	48.02 2.93 0.00	44.62 2.80 0.00	38.22 2.77 0.00	35.80 2.53 0.00	35.14 2.42 0.00	38.69 2.33 0.00	42.52 2.71 0.00	44.59 3.07 0.00	46.23 2.98 0.00	46.23 2.90 0.00	46.03 2.83 -0.35	51.40 3.25 -0.37	55.43 3.81 -0.16	59.04 4.29 -0.37	63.68 4.63 -0.37	68.43 6.12 -0.52	72.33 6.57 0.00	82.22 7.34 0.00	81.34 5.95 0.00	75.90 4.96 0.00	67.34 4.23 0.00	61.00 2.90 0.00	53.38 2.54 0.00	48.47 2.35 0.00
DANSKAMMER__2 23589	48.02 2.93 0.00	44.62 2.80 0.00	38.22 2.77 0.00	35.80 2.53 0.00	35.14 2.42 0.00	38.69 2.33 0.00	42.52 2.71 0.00	44.59 3.07 0.00	46.23 2.98 0.00	46.23 2.90 0.00	46.03 2.83 -0.35	51.40 3.25 -0.37	55.43 3.81 -0.16	59.04 4.29 -0.37	63.68 4.63 -0.37	68.43 6.12 -0.52	72.33 6.57 0.00	82.22 7.34 0.00	81.34 5.95 0.00	75.90 4.96 0.00	67.34 4.23 0.00	61.00 2.90 0.00	53.38 2.54 0.00	48.47 2.35 0.00
DANSKAMMER__3 23590	48.02 2.93 0.00	44.62 2.80 0.00	38.22 2.77 0.00	35.80 2.53 0.00	35.14 2.42 0.00	38.69 2.33 0.00	42.52 2.71 0.00	44.59 3.07 0.00	46.23 2.98 0.00	46.23 2.90 0.00	46.03 2.83 -0.35	51.40 3.25 -0.37	55.43 3.81 -0.16	59.04 4.29 -0.37	63.68 4.63 -0.37	68.43 6.12 -0.52	72.33 6.57 0.00	82.22 7.34 0.00	81.34 5.95 0.00	75.90 4.96 0.00	67.34 4.23 0.00	61.00 2.90 0.00	53.38 2.54 0.00	48.47 2.35 0.00

DANSKAMMER___4 23591	48.02 2.93 0.00	44.62 2.80 0.00	38.22 2.77 0.00	35.80 2.53 0.00	35.14 2.42 0.00	38.69 2.33 0.00	42.52 2.71 0.00	44.59 3.07 0.00	46.23 2.98 0.00	46.23 2.90 0.00	46.03 2.83 -0.35	51.40 3.25 -0.37	55.43 3.81 -0.16	59.04 4.29 -0.37	63.68 4.63 -0.37	68.43 6.12 -0.52	72.33 6.57 0.00	82.22 7.34 0.00	81.34 5.95 0.00	75.90 4.96 0.00	67.34 4.23 0.00	61.00 2.90 0.00	53.38 2.54 0.00	48.47 2.35 0.00
DANSKAMMER___DIESEL 23592	48.07 2.98 0.00	44.62 2.80 0.00	38.22 2.77 0.00	35.80 2.53 0.00	35.14 2.42 0.00	38.69 2.33 0.00	42.52 2.71 0.00	44.55 3.03 0.00	46.27 3.03 0.00	46.23 2.90 0.00	46.08 2.87 -0.35	51.40 3.25 -0.37	55.49 3.86 -0.16	59.10 4.35 -0.37	63.74 4.69 -0.37	67.88 5.56 -0.52	72.33 6.58 0.00	82.22 7.34 0.00	81.41 6.03 0.00	75.90 4.97 0.00	67.34 4.23 0.00	61.00 2.90 0.00	53.43 2.59 0.00	48.47 2.35 0.00
DARBY___SOLAR 323810	47.30 2.21 0.00	43.91 2.09 0.00	37.51 2.06 0.00	35.24 1.96 0.00	34.62 1.90 0.00	38.22 1.85 0.00	41.84 2.03 0.00	43.60 2.08 0.00	45.10 1.86 0.00	44.93 1.60 0.00	43.85 1.37 0.37	48.91 1.53 0.39	53.04 1.75 0.17	56.06 2.07 0.39	60.74 2.46 0.39	64.70 3.46 0.55	69.50 3.75 0.00	79.52 4.64 0.00	79.53 4.14 0.00	74.76 3.83 0.00	66.89 3.79 0.00	60.94 2.85 0.00	52.98 2.13 0.00	47.96 1.85 0.00
DASHVILLE___HYD 23610	47.48 2.39 0.00	44.07 2.26 0.00	37.76 2.30 0.00	35.44 2.16 0.00	34.75 2.03 0.00	38.22 1.85 0.00	42.00 2.19 0.00	43.97 2.45 0.00	45.62 2.38 0.00	45.53 2.21 0.00	45.69 2.61 -0.22	50.93 2.91 -0.24	55.02 3.45 -0.11	58.53 3.92 -0.24	63.08 4.17 -0.24	67.20 5.07 -0.34	71.08 5.33 0.00	80.87 5.99 0.00	80.06 4.67 0.00	74.70 3.76 0.00	66.26 3.16 0.00	60.13 2.03 0.00	52.72 1.88 0.00	47.87 1.75 0.00
DELAWARE___LFGE 323621	46.67 1.58 0.00	43.28 1.46 0.00	37.01 1.56 0.00	34.80 1.53 0.00	34.23 1.51 0.00	37.78 1.42 0.00	41.36 1.55 0.00	43.01 1.49 0.00	44.80 1.56 0.00	44.88 1.56 0.00	44.43 1.50 -0.08	49.66 1.82 -0.07	53.55 2.06 -0.03	56.79 2.34 -0.07	61.21 2.46 -0.07	64.67 2.78 -0.10	69.04 3.29 0.00	78.47 3.59 0.00	78.25 2.86 0.00	73.63 2.70 0.00	65.63 2.52 0.00	60.01 1.92 0.00	52.37 1.53 0.00	47.41 1.29 0.00
DERFIELD_115KV_TB7 355931	45.36 0.27 0.00	42.07 0.25 0.00	35.77 0.32 0.00	33.61 0.33 0.00	33.05 0.33 0.00	36.62 0.25 0.00	40.09 0.28 0.00	41.81 0.29 0.00	43.55 0.30 0.00	43.58 0.26 0.00	43.11 0.26 0.00	48.06 0.29 0.00	51.82 0.36 0.00	54.81 0.44 0.00	59.14 0.47 0.00	62.35 0.56 0.00	66.48 0.72 0.00	75.70 0.82 0.00	75.99 0.60 0.00	71.50 0.57 0.00	63.68 0.57 0.00	58.45 0.35 0.00	51.09 0.25 0.00	46.35 0.23 0.00
DOGLEVILLE___HYD 23807	46.17 1.08 0.00	42.78 0.96 0.00	36.37 0.92 0.00	34.11 0.83 0.00	33.61 0.88 0.00	37.27 0.91 0.00	40.84 1.04 0.00	42.60 1.08 0.00	44.37 1.12 0.00	44.36 1.04 0.00	43.71 0.86 0.00	48.68 0.91 0.00	52.39 0.93 0.00	55.41 1.03 0.00	59.78 1.11 0.00	62.90 1.11 0.00	66.94 1.18 0.00	76.08 1.20 0.00	76.66 1.28 0.00	72.21 1.28 0.00	64.50 1.39 0.00	59.38 1.28 0.00	51.96 1.12 0.00	47.13 1.01 0.00
DUNKIRK__115KV_TB_200 55889	45.45 0.36 0.00	42.11 0.29 0.00	35.98 0.53 0.00	32.84 -0.43 0.00	32.43 -0.29 0.00	35.71 -0.65 0.00	38.77 -1.04 0.00	40.32 -1.20 0.00	42.68 -0.56 0.00	43.80 0.48 0.00	43.67 0.81 0.00	48.63 0.86 0.00	52.54 1.08 0.00	54.98 0.60 0.00	59.20 0.53 0.00	60.68 -1.11 0.00	66.08 0.33 0.00	74.43 -0.45 0.00	74.86 -0.53 0.00	72.00 1.06 0.00	63.93 0.82 0.00	59.03 0.93 0.00	51.65 0.81 0.00	46.81 0.69 0.00
DUNKIRK___1 23563	45.45 0.36 0.00	42.11 0.29 0.00	35.98 0.53 0.00	32.84 -0.43 0.00	32.43 -0.29 0.00	35.71 -0.65 0.00	38.77 -1.04 0.00	40.32 -1.20 0.00	42.68 -0.56 0.00	43.80 0.48 0.00	43.67 0.81 0.00	48.63 0.86 0.00	52.54 1.08 0.00	54.98 0.60 0.00	59.20 0.53 0.00	60.68 -1.11 0.00	66.08 0.33 0.00	74.43 -0.45 0.00	74.86 -0.53 0.00	72.00 1.06 0.00	63.93 0.82 0.00	59.03 0.93 0.00	51.65 0.81 0.00	46.81 0.69 0.00
DUNKIRK___2 23564	45.45 0.36 0.00	42.11 0.29 0.00	35.98 0.53 0.00	32.84 -0.43 0.00	32.43 -0.29 0.00	35.71 -0.65 0.00	38.77 -1.04 0.00	40.32 -1.20 0.00	42.68 -0.56 0.00	43.80 0.48 0.00	43.67 0.81 0.00	48.63 0.86 0.00	52.54 1.08 0.00	54.98 0.60 0.00	59.20 0.53 0.00	60.68 -1.11 0.00	66.08 0.33 0.00	74.43 -0.45 0.00	74.86 -0.53 0.00	72.00 1.06 0.00	63.93 0.82 0.00	59.03 0.93 0.00	51.65 0.81 0.00	46.81 0.69 0.00
DUNKIRK___3 23565	45.23 0.14 0.00	41.94 0.13 0.00	35.81 0.35 0.00	32.71 -0.57 0.00	32.26 -0.46 0.00	35.53 -0.84 0.00	38.54 -1.27 0.00	40.03 -1.49 0.00	42.38 -0.86 0.00	43.45 0.13 0.00	43.33 0.47 0.00	48.25 0.48 0.00	52.08 0.62 0.00	54.54 0.16 0.00	58.73 0.06 0.00	60.25 -1.54 0.00	65.62 -0.13 0.00	73.90 -0.97 0.00	74.25 -1.13 0.00	71.43 0.50 0.00	63.42 0.32 0.00	58.56 0.46 0.00	51.25 0.41 0.00	46.48 0.37 0.00
DUNKIRK___4 23566	45.23 0.14 0.00	41.94 0.13 0.00	35.81 0.35 0.00	32.71 -0.57 0.00	32.26 -0.46 0.00	35.53 -0.84 0.00	38.54 -1.27 0.00	40.03 -1.49 0.00	42.38 -0.86 0.00	43.45 0.13 0.00	43.33 0.47 0.00	48.25 0.48 0.00	52.08 0.62 0.00	54.54 0.16 0.00	58.73 0.06 0.00	60.25 -1.54 0.00	65.62 -0.13 0.00	73.90 -0.97 0.00	74.25 -1.13 0.00	71.43 0.50 0.00	63.42 0.32 0.00	58.56 0.46 0.00	51.25 0.41 0.00	46.48 0.37 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	48.20 3.11 0.00	44.79 2.97 0.00	38.43 2.98 0.00	35.94 2.66 0.00	35.24 2.52 0.00	38.80 2.44 0.00	42.68 2.87 0.00	44.88 3.36 0.00	46.62 3.37 0.00	46.70 3.38 0.00	46.54 3.26 -0.43	52.06 3.82 -0.46	55.94 4.27 -0.20	59.62 4.79 -0.45	64.23 5.10 -0.46	68.68 6.24 -0.65	73.12 7.36 0.00	83.11 8.24 0.00	82.02 6.63 0.00	76.33 5.39 0.00	67.65 4.54 0.00	61.12 3.02 0.00	53.59 2.75 0.00	48.65 2.54 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	47.75 2.66 0.00	44.33 2.51 0.00	38.00 2.55 0.00	35.60 2.33 0.00	34.95 2.23 0.00	38.47 2.11 0.00	42.24 2.43 0.00	44.30 2.78 0.00	46.01 2.77 0.00	46.01 2.69 0.00	45.82 2.61 -0.35	51.16 3.01 -0.38	55.13 3.50 -0.16	58.72 3.97 -0.37	63.27 4.22 -0.38	67.45 5.13 -0.53	71.93 6.18 0.00	81.77 6.89 0.00	80.74 5.35 0.00	75.33 4.40 0.00	66.83 3.72 0.00	60.60 2.50 0.00	53.08 2.24 0.00	48.14 2.03 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	48.74 3.65 0.00	45.25 3.43 0.00	38.82 3.37 0.00	36.27 2.99 0.00	35.57 2.85 0.00	39.20 2.84 0.00	43.11 3.30 0.00	45.38 3.86 0.00	46.87 3.29 -0.34	51.54 3.29 -4.92	52.01 3.21 -5.94	52.90 3.82 -1.31	56.50 4.84 -0.20	60.11 5.27 -0.45	64.30 5.16 -0.47	68.55 5.99 -0.77	84.22 7.17 -11.31	83.10 8.01 -0.21	81.96 6.56 -0.02	76.20 5.25 -0.02	67.48 4.35 -0.02	60.94 2.85 0.00	54.25 3.41 -0.01	49.16 3.04 0.00

E179THST_13_KV_LOAD 356214	49.02 3.92 0.00	45.50 3.68 0.00	39.07 3.62 0.00	36.47 3.19 0.00	35.76 3.04 0.00	39.42 3.05 0.00	43.35 3.54 0.00	45.63 4.11 0.00	47.17 3.59 -0.34	51.84 3.60 -4.92	52.31 3.51 -5.94	53.23 4.16 -1.31	56.86 5.20 -0.20	60.54 5.71 -0.45	64.71 5.57 -0.47	69.04 6.49 -0.77	84.75 7.69 -11.31	83.78 8.69 -0.21	82.49 7.09 -0.02	76.70 5.75 -0.02	67.92 4.80 -0.02	61.35 3.25 0.00	54.61 3.76 -0.01	49.48 3.37 0.00
EAST HAMPTON___GT 23717	49.74 4.65 0.00	47.18 5.35 -0.01	40.13 4.68 0.00	37.17 3.89 0.00	36.35 3.63 0.00	40.21 3.85 0.00	44.35 4.54 0.00	47.42 5.89 -0.01	49.08 5.84 0.00	49.95 6.46 -0.17	49.40 6.00 -0.55	55.03 7.16 -0.10	60.56 7.98 -1.12	65.50 8.87 -2.25	70.08 9.27 -2.14	75.48 10.88 -2.81	118.58 11.24 -41.59	177.92 12.80 -90.24	119.38 10.55 -33.44	80.62 8.87 -0.82	72.55 7.07 -2.38	65.45 5.75 -1.60	55.54 4.63 -0.07	49.50 3.55 0.17
EAST RIVER___6 23660	48.43 3.34 0.00	44.99 3.18 0.00	38.64 3.19 0.00	36.10 2.83 0.00	35.41 2.68 0.00	38.94 2.58 0.00	42.92 3.11 0.00	45.21 3.69 0.00	47.18 3.67 -0.26	51.12 3.81 -3.99	51.43 3.69 -4.90	53.16 4.25 -1.14	56.35 4.68 -0.20	60.05 5.22 -0.45	64.64 5.51 -0.46	69.94 7.41 -0.74	82.94 8.02 -9.16	84.03 8.98 -0.17	82.55 7.17 0.00	76.68 5.74 0.00	67.90 4.79 0.00	61.29 3.19 0.00	53.89 3.05 0.00	49.02 2.91 0.00
EAST RIVER___7 23524	48.43 3.34 0.00	44.99 3.18 0.00	38.64 3.19 0.00	36.10 2.83 0.00	35.41 2.68 0.00	38.94 2.58 0.00	42.92 3.11 0.00	45.21 3.69 0.00	47.18 3.67 -0.26	51.12 3.81 -3.99	51.43 3.69 -4.90	53.16 4.25 -1.14	56.35 4.68 -0.20	60.05 5.22 -0.45	64.64 5.51 -0.46	69.94 7.41 -0.74	82.94 8.02 -9.16	84.03 8.98 -0.17	82.55 7.17 0.00	76.68 5.74 0.00	67.90 4.79 0.00	61.29 3.19 0.00	53.89 3.05 0.00	49.02 2.91 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	48.07 2.98 0.00	44.62 2.80 0.00	38.32 2.87 0.00	35.84 2.56 0.00	35.14 2.42 0.00	38.69 2.33 0.00	42.56 2.75 0.00	44.72 3.20 0.00	46.46 3.20 -0.01	46.68 3.21 -0.15	46.54 3.09 -0.60	51.84 3.58 -0.49	55.73 4.07 -0.20	59.45 4.62 -0.45	64.00 4.87 -0.46	68.37 5.93 -0.65	73.20 7.10 -0.34	82.82 7.94 -0.01	81.72 6.33 0.00	76.04 5.11 0.00	67.40 4.29 0.00	60.94 2.85 0.00	53.43 2.59 0.00	48.51 2.40 0.00
EAST_HAMPTON___DIESEL 23722	49.74 4.65 0.00	47.18 5.35 -0.01	40.09 4.64 0.00	37.17 3.89 0.00	36.35 3.63 0.00	40.21 3.85 0.00	44.35 4.54 0.00	47.42 5.89 -0.01	49.08 5.84 0.00	49.95 6.46 -0.17	49.40 6.00 -0.55	55.03 7.16 -0.10	60.50 7.92 -1.12	65.44 8.81 -2.25	70.02 9.21 -2.14	75.41 10.81 -2.81	118.38 11.04 -41.58	177.69 12.58 -90.24	119.23 10.41 -33.44	80.48 8.72 -0.82	72.43 6.94 -2.38	65.33 5.63 -1.60	55.44 4.52 -0.07	49.45 3.50 0.17
EAST_POINT___SOLAR 323840	48.48 3.38 0.00	44.91 3.09 0.00	38.22 2.77 0.00	35.84 2.56 0.00	35.31 2.58 0.00	39.16 2.80 0.00	42.28 2.47 0.00	43.14 1.62 0.00	44.20 0.95 0.00	44.02 0.69 0.00	43.43 0.77 0.20	48.32 0.76 0.21	52.35 0.98 0.09	55.31 1.14 0.21	59.86 1.41 0.21	63.66 2.16 0.30	67.46 1.71 0.00	77.27 2.40 0.00	78.09 2.71 0.00	75.69 4.75 0.00	68.85 5.74 0.00	63.03 4.94 0.00	54.66 3.81 0.00	49.34 3.23 0.00
EAST_PULASKI___ESR 323781	44.91 -0.18 0.00	41.57 -0.25 0.00	35.31 -0.14 0.00	33.01 -0.27 0.00	32.53 -0.20 0.00	36.11 -0.25 0.00	39.53 -0.28 0.00	41.23 -0.29 0.00	43.07 -0.17 0.00	43.15 -0.17 0.00	42.64 -0.21 0.00	47.53 -0.24 0.00	51.16 -0.31 0.00	54.05 -0.32 0.00	58.08 -0.59 0.00	60.99 -0.81 0.00	64.97 -0.79 0.00	74.06 -0.82 0.00	74.78 -0.61 0.00	70.79 -0.14 0.00	63.11 0.00 0.00	58.04 -0.06 0.00	51.95 0.10 -1.01	46.02 -0.09 0.00
EAST_RIVER___1 323558	48.48 3.38 0.00	45.04 3.22 0.00	38.68 3.23 0.00	36.10 2.83 0.00	35.44 2.71 0.00	39.02 2.65 0.00	42.95 3.14 0.00	45.26 3.74 0.00	47.22 3.72 -0.26	51.08 3.85 -3.90	51.34 3.69 -4.80	53.15 4.25 -1.13	56.30 4.63 -0.20	60.05 5.22 -0.45	64.64 5.51 -0.46	69.94 7.41 -0.74	82.74 8.02 -8.97	83.95 8.91 -0.16	82.55 7.17 0.00	76.68 5.74 0.00	67.90 4.79 0.00	61.29 3.19 0.00	53.89 3.05 0.00	49.02 2.91 0.00
EAST_RIVER___2 323559	48.43 3.34 0.00	44.99 3.18 0.00	38.64 3.19 0.00	36.10 2.83 0.00	35.41 2.68 0.00	38.94 2.58 0.00	42.92 3.11 0.00	45.21 3.69 0.00	47.18 3.67 -0.26	51.12 3.81 -3.99	51.43 3.69 -4.90	53.16 4.25 -1.14	56.35 4.68 -0.20	60.05 5.22 -0.45	64.64 5.51 -0.46	69.94 7.41 -0.74	82.94 8.02 -9.16	84.03 8.98 -0.17	82.55 7.17 0.00	76.68 5.74 0.00	67.90 4.79 0.00	61.29 3.19 0.00	53.89 3.05 0.00	49.02 2.91 0.00
EAST___DELAWARE_HYD 23607	47.48 2.39 0.00	44.07 2.26 0.00	37.75 2.30 0.00	35.37 2.10 0.00	34.75 2.03 0.00	38.29 1.93 0.00	42.04 2.23 0.00	44.38 2.86 0.00	46.05 2.81 0.00	46.01 2.69 0.00	45.70 2.57 -0.28	50.72 2.63 -0.32	54.69 3.09 -0.14	58.28 3.59 -0.31	62.86 3.87 -0.32	67.48 5.25 -0.44	71.41 5.66 0.00	81.24 6.36 0.00	80.28 4.90 0.00	75.05 4.11 0.00	66.58 3.47 0.00	60.42 2.33 0.00	52.88 2.04 0.00	47.91 1.80 0.00
EIGHT_POINT___WT_PWR 323820	45.64 0.54 0.00	42.03 0.21 0.00	35.91 0.46 0.00	33.08 -0.20 0.00	32.56 -0.16 0.00	36.00 -0.36 0.00	39.25 -0.56 0.00	40.81 -0.71 0.00	43.07 -0.17 0.00	43.45 0.13 0.00	43.07 0.22 0.00	47.96 0.19 0.00	51.57 0.10 0.00	53.89 -0.49 0.00	57.73 -0.94 0.00	60.43 -1.36 0.00	64.97 -0.79 0.00	73.83 -1.05 0.00	74.86 -0.52 0.00	72.21 1.28 0.00	64.43 1.33 0.00	59.37 1.28 0.00	52.16 1.32 0.00	47.04 0.92 0.00
ELBRIDGE_115KV_TB2 80188	44.87 -0.23 0.00	41.52 -0.29 0.00	35.38 -0.07 0.00	33.01 -0.27 0.00	32.49 -0.23 0.00	35.96 -0.40 0.00	39.37 -0.44 0.00	41.06 -0.46 0.00	42.90 -0.35 0.00	43.11 -0.22 0.00	42.68 -0.17 0.00	47.63 -0.14 0.00	51.31 -0.15 0.00	54.05 -0.33 0.00	58.38 -0.29 0.00	61.23 -0.56 0.00	65.62 -0.13 0.00	74.65 -0.22 0.00	75.08 -0.30 0.00	71.01 0.07 0.00	63.04 -0.06 0.00	57.98 -0.12 0.00	51.13 -0.20 -0.49	45.79 -0.32 0.00
ELEC_TRO_TEK 24086	48.47 3.38 0.00	45.41 3.60 0.00	38.93 3.47 0.00	36.24 2.96 0.00	35.47 2.75 0.00	39.09 2.73 0.00	43.07 3.26 0.00	45.51 3.99 0.00	47.23 3.98 0.00	47.48 3.99 -0.17	47.20 3.73 -0.62	52.42 4.16 -0.49	63.71 4.79 -7.46	74.26 5.38 -14.50	73.51 5.63 -9.21	85.64 6.80 -17.05	96.88 7.89 -23.23	115.89 8.91 -32.11	87.40 7.31 -4.71	83.37 6.10 -6.33	87.17 5.24 -18.83	76.99 3.72 -15.17	59.63 3.51 -5.28	48.58 2.44 -0.02
ELLENBURG_WT_PWR 323604	44.23 -0.86 0.00	41.11 -0.71 0.00	34.42 -1.03 0.00	32.41 -0.87 0.00	31.94 -0.79 0.00	35.89 -0.47 0.00	39.33 -0.48 0.00	41.06 -0.46 0.00	42.81 -0.43 0.00	42.85 -0.48 0.00	42.43 -0.43 0.00	46.91 -0.86 0.00	50.28 -1.18 0.00	52.69 -1.69 0.00	56.79 -1.88 0.00	59.32 -2.47 0.00	63.12 -2.63 0.00	72.11 -2.77 0.00	72.90 -2.49 0.00	68.52 -2.41 0.00	60.90 -2.21 0.00	56.76 -1.33 0.00	50.02 -0.82 0.00	45.84 -0.28 0.00

ELM_ST_23_KV_LD_REV_LBMP_A 345012	44.91 -0.18 0.00	41.69 -0.13 0.00	35.63 0.18 0.00	32.48 -0.80 0.00	32.03 -0.69 0.00	35.27 -1.09 0.00	38.10 -1.71 0.00	39.44 -2.08 0.00	41.77 -1.47 0.00	42.80 -0.52 0.00	42.64 -0.21 0.00	47.49 -0.29 0.00	51.26 -0.21 0.00	53.67 -0.71 0.00	57.79 -0.88 0.00	59.38 -2.41 0.00	64.57 -1.18 0.00	72.71 -2.17 0.00	73.05 -2.34 0.00	70.23 -0.71 0.00	62.35 -0.76 0.00	57.57 -0.52 0.00	50.48 -0.36 0.00	45.98 -0.14 0.00
EMPIRE_CC_1 323656	46.13 1.04 0.00	42.82 1.00 0.00	36.83 1.38 0.00	34.74 1.46 0.00	34.10 1.37 0.00	37.38 1.02 0.00	40.96 1.16 0.00	42.68 1.16 0.00	44.20 0.95 0.00	44.15 0.82 0.00	43.01 0.73 0.57	48.03 0.86 0.60	52.18 0.98 0.26	55.04 1.25 0.59	59.48 1.41 0.60	63.36 2.41 0.84	68.25 2.50 0.00	77.80 2.92 0.00	77.34 1.96 0.00	72.49 1.56 0.00	64.62 1.51 0.00	58.85 0.75 0.00	51.35 0.51 0.00	46.58 0.46 0.00
EMPIRE_CC_2 323658	46.13 1.04 0.00	42.82 1.00 0.00	36.83 1.38 0.00	34.74 1.46 0.00	34.10 1.37 0.00	37.38 1.02 0.00	40.96 1.16 0.00	42.68 1.16 0.00	44.20 0.95 0.00	44.15 0.82 0.00	43.01 0.73 0.57	48.03 0.86 0.60	52.18 0.98 0.26	55.04 1.25 0.59	59.48 1.41 0.60	63.36 2.41 0.84	68.25 2.50 0.00	77.80 2.92 0.00	77.34 1.96 0.00	72.49 1.56 0.00	64.62 1.51 0.00	58.85 0.75 0.00	51.35 0.51 0.00	46.58 0.46 0.00
ENORWICH_115KV_TB1 80156	48.34 3.25 0.00	44.66 2.84 0.00	38.00 2.55 0.00	35.44 2.16 0.00	35.05 2.32 0.00	38.98 2.62 0.00	42.75 2.95 0.00	44.63 3.11 0.00	46.53 3.29 0.00	46.40 3.08 0.00	45.59 2.66 -0.08	50.83 3.06 0.00	54.65 3.19 0.00	57.97 3.59 0.00	62.42 3.75 0.00	65.31 3.52 0.00	70.16 4.41 0.00	80.12 5.24 0.00	81.72 6.33 0.00	77.60 6.67 0.00	69.42 6.31 0.00	63.67 5.58 0.00	55.06 4.22 0.00	49.67 3.55 0.00
ERIE_ST__34_KV_TB1-2 80199	44.96 -0.14 0.00	41.73 -0.08 0.00	35.63 0.18 0.00	32.51 -0.77 0.00	32.07 -0.65 0.00	35.27 -1.09 0.00	38.22 -1.59 0.00	39.73 -1.79 0.00	42.08 -1.17 0.00	43.15 -0.17 0.00	43.03 0.17 0.00	47.96 0.19 0.00	51.82 0.36 0.00	54.27 -0.11 0.00	58.49 -0.18 0.00	60.06 -1.73 0.00	65.42 -0.33 0.00	73.61 -1.27 0.00	73.95 -1.43 0.00	71.08 0.14 0.00	63.04 -0.06 0.00	58.16 0.06 0.00	50.84 0.00 0.00	46.11 0.00 0.00
ERIE_WT_PWR 323693	45.32 0.23 0.00	41.86 0.04 0.00	35.73 0.28 0.00	32.71 -0.57 0.00	32.17 -0.56 0.00	35.38 -0.98 0.00	38.26 -1.55 0.00	39.65 -1.87 0.00	42.25 -0.99 0.00	43.02 -0.30 0.00	42.94 0.09 0.00	47.77 0.00 0.00	51.67 0.21 0.00	53.94 -0.44 0.00	58.08 -0.59 0.00	60.49 -1.30 0.00	65.09 -0.66 0.00	73.23 -1.65 0.00	73.88 -1.51 0.00	71.01 0.07 0.00	63.04 -0.06 0.00	57.98 -0.12 0.00	51.20 0.36 0.00	46.21 0.09 0.00
ESPRGFLD_115KV_TB1 80157	47.48 2.39 0.00	43.95 2.13 0.00	37.47 2.02 0.00	35.17 1.90 0.00	34.65 1.93 0.00	38.43 2.07 0.00	41.96 2.15 0.00	43.55 2.03 0.00	45.23 1.99 0.00	45.23 1.91 0.00	44.55 1.80 0.11	49.71 2.05 0.12	53.68 2.26 0.05	56.87 2.61 0.12	61.31 2.76 0.12	64.65 3.03 0.16	69.24 3.48 0.00	78.92 4.04 0.00	79.38 4.00 0.00	75.19 4.26 0.00	67.34 4.23 0.00	61.64 3.54 0.00	53.59 2.75 0.00	48.42 2.31 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	46.04 0.95 0.00	42.61 0.79 0.00	36.30 0.85 0.00	33.84 0.57 0.00	33.34 0.62 0.00	36.91 0.55 0.00	40.41 0.60 0.00	42.14 0.62 0.00	43.98 0.74 0.00	44.15 0.82 0.00	43.63 0.77 0.00	48.68 0.91 0.00	52.44 0.98 0.00	55.30 0.92 0.00	59.67 1.00 0.00	62.53 0.74 0.00	67.13 1.38 0.00	76.53 1.65 0.00	77.19 1.81 0.00	73.21 2.27 0.00	65.06 1.96 0.00	59.84 1.74 0.00	52.11 1.27 0.00	47.08 0.97 0.00
ETNA____115KV_TB2 80207	46.04 0.95 0.00	42.61 0.79 0.00	36.30 0.85 0.00	33.84 0.57 0.00	33.34 0.62 0.00	36.91 0.55 0.00	40.41 0.60 0.00	42.14 0.62 0.00	43.98 0.74 0.00	44.15 0.82 0.00	43.63 0.77 0.00	48.68 0.91 0.00	52.44 0.98 0.00	55.30 0.92 0.00	59.67 1.00 0.00	62.53 0.74 0.00	67.13 1.38 0.00	76.53 1.65 0.00	77.19 1.81 0.00	73.21 2.27 0.00	65.06 1.96 0.00	59.84 1.74 0.00	52.11 1.27 0.00	47.08 0.97 0.00
EUCLID__115KV_TB2 356179	44.64 -0.45 0.00	41.36 -0.46 0.00	35.20 -0.25 0.00	32.87 -0.40 0.00	32.36 -0.36 0.00	35.82 -0.55 0.00	39.21 -0.60 0.00	40.90 -0.62 0.00	42.68 -0.56 0.00	42.89 -0.43 0.00	42.47 -0.39 0.00	47.39 -0.38 0.00	51.05 -0.41 0.00	53.83 -0.54 0.00	58.14 -0.53 0.00	61.05 -0.74 0.00	65.29 -0.46 0.00	74.28 -0.60 0.00	74.63 -0.75 0.00	70.58 -0.35 0.00	62.67 -0.44 0.00	57.63 -0.46 0.00	50.56 -0.51 -0.23	45.56 -0.55 0.00
E_CANADA_CAP_HY 24051	47.98 2.89 0.00	44.45 2.64 0.00	37.86 2.41 0.00	35.50 2.23 0.00	34.98 2.26 0.00	38.76 2.40 0.00	42.20 2.39 0.00	43.64 2.12 0.00	45.06 1.82 0.00	44.84 1.52 0.00	44.13 1.46 0.18	49.21 1.63 0.19	53.23 1.85 0.08	56.31 2.12 0.19	60.77 2.29 0.19	64.55 3.03 0.26	68.84 3.09 0.00	78.77 3.89 0.00	79.38 3.99 0.00	75.54 4.61 0.00	67.97 4.86 0.00	62.28 4.19 0.00	54.05 3.20 0.00	48.83 2.72 0.00
E_CANADA_MHWK_HY 24050	46.17 1.08 0.00	42.78 0.96 0.00	36.37 0.92 0.00	34.11 0.83 0.00	33.61 0.88 0.00	37.27 0.91 0.00	40.84 1.03 0.00	42.60 1.08 0.00	44.37 1.12 0.00	44.36 1.04 0.00	43.71 0.86 0.00	48.68 0.91 0.00	52.39 0.93 0.00	55.41 1.03 0.00	59.78 1.11 0.00	63.03 1.24 0.00	66.87 1.12 0.00	76.07 1.19 0.00	76.66 1.28 0.00	72.21 1.28 0.00	64.49 1.39 0.00	59.37 1.28 0.00	51.96 1.12 0.00	47.13 1.01 0.00
E_FISHKILL__LBMP 23776	47.62 2.53 0.00	44.20 2.38 0.00	37.93 2.48 0.00	35.54 2.26 0.00	34.85 2.13 0.00	38.36 2.00 0.00	42.16 2.35 0.00	44.22 2.70 0.00	45.84 2.59 0.00	45.88 2.56 0.00	45.74 2.44 -0.44	51.11 2.87 -0.47	54.96 3.29 -0.20	58.59 3.75 -0.46	63.07 3.93 -0.47	67.33 4.88 -0.66	71.60 5.85 0.00	81.47 6.59 0.00	80.51 5.13 0.00	75.05 4.11 0.00	66.64 3.53 0.00	60.36 2.27 0.00	52.92 2.08 0.00	48.05 1.94 0.00
FALCON__SEABRD_CC1 323796	44.37 -0.72 0.00	41.23 -0.59 0.00	34.53 -0.92 0.00	32.51 -0.76 0.00	32.03 -0.69 0.00	36.00 -0.36 0.00	39.49 -0.32 0.00	41.23 -0.29 0.00	42.99 -0.26 0.00	43.02 -0.30 0.00	42.64 -0.21 0.00	46.86 -0.91 0.00	50.23 -1.24 0.00	52.20 -2.18 0.00	56.03 -2.64 0.00	58.51 -3.28 0.00	62.27 -3.49 0.00	71.21 -3.67 0.00	71.99 -3.39 0.00	67.67 -3.26 0.00	60.08 -3.03 0.00	56.01 -2.09 0.00	49.62 -1.22 0.00	46.02 -0.09 0.00
FALCON__SEABRD_CC2 323797	44.37 -0.72 0.00	41.23 -0.59 0.00	34.53 -0.92 0.00	32.51 -0.76 0.00	32.03 -0.69 0.00	36.00 -0.36 0.00	39.49 -0.32 0.00	41.23 -0.29 0.00	42.99 -0.26 0.00	43.02 -0.30 0.00	42.64 -0.21 0.00	46.86 -0.91 0.00	50.23 -1.24 0.00	52.20 -2.18 0.00	56.03 -2.64 0.00	58.51 -3.28 0.00	62.27 -3.49 0.00	71.21 -3.67 0.00	71.99 -3.39 0.00	67.67 -3.26 0.00	60.08 -3.03 0.00	56.01 -2.09 0.00	49.62 -1.22 0.00	46.02 -0.09 0.00

FAR ROCKAWAY___4 23548	49.42 4.33 0.00	46.25 4.43 0.00	39.60 4.15 0.00	36.80 3.53 0.00	35.99 3.27 0.00	39.67 3.31 0.00	43.71 3.90 0.00	46.21 4.69 0.00	48.01 4.76 0.00	48.39 4.90 -0.17	48.19 4.71 -0.62	53.62 5.35 -0.49	74.73 6.12 -17.14	94.35 6.80 -33.17	86.08 7.27 -20.13	107.79 8.47 -37.54	122.01 9.73 -46.53	158.39 11.01 -72.51	95.84 9.50 -10.96	93.84 8.16 -14.75	113.93 6.94 -43.88	98.76 5.29 -35.37	67.50 4.78 -11.88	49.63 3.46 -0.05
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	48.56 3.47 0.00	45.04 3.22 0.00	38.68 3.23 0.00	36.10 2.83 0.00	35.44 2.72 0.00	39.02 2.65 0.00	42.95 3.14 0.00	45.22 3.70 0.00	47.32 3.81 -0.27	51.28 3.86 -4.10	51.56 3.69 -5.02	53.18 4.25 -1.16	56.35 4.68 -0.20	60.05 5.22 -0.45	64.64 5.51 -0.46	69.33 6.80 -0.74	83.20 8.02 -9.43	83.96 8.91 -0.17	82.54 7.16 0.00	76.68 5.75 0.00	67.90 4.80 0.00	61.29 3.20 0.00	53.94 3.10 0.00	49.02 2.91 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	48.56 3.47 0.00	45.04 3.22 0.00	38.68 3.23 0.00	36.14 2.86 0.00	35.44 2.72 0.00	39.02 2.65 0.00	42.95 3.14 0.00	45.26 3.74 0.00	47.32 3.81 -0.27	51.28 3.86 -4.10	51.56 3.69 -5.02	53.18 4.25 -1.16	56.35 4.68 -0.20	60.05 5.22 -0.45	64.64 5.51 -0.46	69.33 6.80 -0.74	83.20 8.02 -9.43	84.04 8.99 -0.17	82.62 7.24 0.00	76.75 5.82 0.00	67.90 4.80 0.00	61.29 3.20 0.00	53.94 3.10 0.00	49.07 2.95 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	48.52 3.43 0.00	44.99 3.18 0.00	38.64 3.19 0.00	36.10 2.83 0.00	35.40 2.68 0.00	38.98 2.62 0.00	42.91 3.11 0.00	45.22 3.70 0.00	47.28 3.76 -0.27	51.24 3.81 -4.10	51.56 3.69 -5.02	53.14 4.20 -1.16	56.35 4.68 -0.20	60.00 5.17 -0.45	64.58 5.46 -0.46	69.27 6.74 -0.74	83.14 7.96 -9.43	83.89 8.84 -0.17	82.47 7.09 0.00	76.61 5.67 0.00	67.84 4.73 0.00	61.23 3.14 0.00	53.89 3.05 0.00	49.02 2.91 0.00
FARRAGUT___LBMP 323566	48.47 3.38 0.00	44.95 3.14 0.00	38.61 3.16 0.00	36.07 2.80 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.17 3.65 0.00	47.24 3.72 -0.27	51.19 3.77 -4.10	51.48 3.60 -5.02	53.09 4.16 -1.16	56.24 4.58 -0.20	59.94 5.11 -0.45	64.53 5.40 -0.46	69.20 6.67 -0.74	83.07 7.89 -9.43	83.81 8.76 -0.17	82.39 7.01 0.00	76.54 5.60 0.00	67.78 4.67 0.00	61.18 3.08 0.00	53.84 3.00 0.00	48.97 2.86 0.00
FENNER___WINDPWR 24204	46.08 0.99 0.00	42.65 0.84 0.00	36.27 0.82 0.00	33.94 0.67 0.00	33.41 0.69 0.00	37.09 0.73 0.00	40.65 0.84 0.00	42.39 0.87 0.00	44.28 1.04 0.00	44.32 1.00 0.00	43.80 0.94 0.00	48.82 1.05 0.00	52.59 1.13 0.00	55.63 1.25 0.00	60.02 1.35 0.00	63.21 1.42 0.00	67.46 1.71 0.00	76.75 1.87 0.00	77.49 2.11 0.00	73.21 2.27 0.00	65.25 2.15 0.00	59.96 1.86 0.00	52.26 1.42 0.00	47.18 1.06 0.00
FIBERTEK___ENERGY 23856	45.05 -0.05 0.00	41.73 -0.08 0.00	35.52 0.07 0.00	33.14 -0.13 0.00	32.66 -0.07 0.00	36.14 -0.22 0.00	39.57 -0.24 0.00	41.31 -0.21 0.00	43.16 -0.09 0.00	43.37 0.04 0.00	42.90 0.04 0.00	47.87 0.10 0.00	51.57 0.10 0.00	54.32 -0.05 0.00	58.67 0.00 0.00	61.54 -0.25 0.00	65.88 0.13 0.00	75.03 0.15 0.00	75.46 0.08 0.00	71.36 0.43 0.00	63.30 0.19 0.00	58.27 0.17 0.00	51.37 0.05 -0.48	46.02 -0.09 0.00
FITZPATRICK___ 23598	43.92 -1.17 0.00	40.69 -1.13 0.00	34.60 -0.85 0.00	32.38 -0.90 0.00	31.84 -0.88 0.00	35.27 -1.09 0.00	38.62 -1.19 0.00	40.28 -1.24 0.00	42.03 -1.21 0.00	42.20 -1.13 0.00	41.78 -1.07 0.00	46.58 -1.19 0.00	50.23 -1.24 0.00	52.96 -1.41 0.00	57.14 -1.53 0.00	60.18 -1.61 0.00	64.17 -1.58 0.00	73.01 -1.87 0.00	73.35 -2.03 0.00	69.31 -1.63 0.00	61.59 -1.52 0.00	56.59 -1.51 0.00	45.00 -1.32 4.52	44.82 -1.29 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	48.20 3.11 0.00	44.70 2.89 0.00	38.29 2.84 0.00	35.87 2.60 0.00	35.21 2.49 0.00	38.76 2.40 0.00	42.64 2.83 0.00	44.63 3.11 0.00	46.40 3.16 0.00	46.31 2.99 0.00	46.17 2.96 -0.36	51.50 3.34 -0.38	55.59 3.96 -0.17	59.27 4.51 -0.38	63.86 4.81 -0.38	68.07 5.75 -0.53	72.52 6.77 0.00	82.44 7.56 0.00	81.64 6.26 0.00	76.11 5.18 0.00	67.53 4.42 0.00	61.18 3.08 0.00	53.53 2.69 0.00	48.56 2.44 0.00
FORT ORANGE___ 23900	45.77 0.68 0.00	42.48 0.67 0.00	36.41 0.96 0.00	34.31 1.03 0.00	33.70 0.98 0.00	37.02 0.66 0.00	40.60 0.80 0.00	42.31 0.79 0.00	43.81 0.56 0.00	43.67 0.34 0.00	42.97 0.38 0.26	47.97 0.48 0.28	51.96 0.62 0.12	54.97 0.87 0.27	59.45 1.06 0.28	63.32 1.92 0.39	67.59 1.84 0.00	77.12 2.24 0.00	76.89 1.51 0.00	72.07 1.13 0.00	64.24 1.14 0.00	58.56 0.46 0.00	51.10 0.26 0.00	46.71 0.60 0.00
FORT_DRUM_COGEN 23780	46.13 1.04 0.00	42.61 0.79 0.00	36.05 0.60 0.00	33.74 0.47 0.00	33.34 0.62 0.00	37.27 0.91 0.00	40.88 1.07 0.00	42.56 1.04 0.00	44.50 1.25 0.00	44.49 1.17 0.00	43.71 0.86 0.00	48.58 0.81 0.00	52.13 0.67 0.00	55.19 0.82 0.00	59.49 0.82 0.00	62.10 0.31 0.00	66.28 0.53 0.00	75.63 0.75 0.00	77.42 2.04 0.00	73.42 2.48 0.00	66.14 3.03 0.00	61.06 2.96 0.00	53.60 2.29 -0.47	47.91 1.80 0.00
FOX_HILLS___ESR 323835	48.88 3.79 0.00	45.37 3.55 0.00	38.89 3.44 0.00	36.34 3.06 0.00	35.63 2.91 0.00	39.20 2.84 0.00	43.03 3.22 0.00	45.26 3.74 0.00	46.68 3.16 -0.28	50.64 3.21 -4.11	51.06 3.17 -5.03	52.70 3.77 -1.15	54.94 4.58 1.10	55.72 4.95 3.61	56.59 4.75 6.83	67.50 5.93 0.23	81.47 7.04 -8.68	82.30 7.94 0.51	80.67 6.11 0.82	74.49 4.89 1.34	57.23 4.10 9.98	57.51 2.38 2.97	53.99 3.15 0.00	49.30 3.18 0.00
FPL_FAR_ROCK_GT1 24212	49.15 4.06 0.00	46.25 4.43 -0.01	39.60 4.15 0.00	36.80 3.53 0.00	35.99 3.27 0.00	39.67 3.31 0.00	43.71 3.90 0.00	46.26 4.73 -0.01	47.96 4.71 0.00	48.38 4.89 -0.17	48.15 4.67 -0.62	53.71 5.44 -0.49	74.67 6.07 -17.14	94.35 6.80 -33.17	86.07 7.27 -20.13	108.35 9.02 -37.54	122.01 9.73 -46.53	158.40 11.01 -72.51	95.77 9.42 -10.96	93.77 8.08 -14.75	113.93 6.94 -43.88	98.75 5.29 -35.37	67.45 4.73 -11.88	49.63 3.46 -0.05
FPL_FAR_ROCK_GT2 23815	49.15 4.06 0.00	46.25 4.43 -0.01	39.60 4.15 0.00	36.80 3.53 0.00	35.99 3.27 0.00	39.67 3.31 0.00	43.71 3.90 0.00	46.26 4.73 -0.01	47.96 4.71 0.00	48.38 4.89 -0.17	48.15 4.67 -0.62	53.71 5.44 -0.49	74.67 6.07 -17.14	94.35 6.80 -33.17	86.07 7.27 -20.13	108.35 9.02 -37.54	122.01 9.73 -46.53	158.40 11.01 -72.51	95.77 9.42 -10.96	93.77 8.08 -14.75	113.93 6.94 -43.88	98.75 5.29 -35.37	67.45 4.73 -11.88	49.63 3.46 -0.05
FRANKLIN_FALL_HYD 24054	44.91 -0.18 0.00	41.73 -0.08 0.00	34.88 -0.57 0.00	32.84 -0.43 0.00	32.36 -0.36 0.00	36.40 0.04 0.00	39.93 0.12 0.00	41.69 0.17 0.00	43.46 0.22 0.00	43.50 0.17 0.00	43.11 0.26 0.00	47.68 -0.10 0.00	51.10 -0.36 0.00	53.72 -0.65 0.00	57.97 -0.70 0.00	60.93 -0.87 0.00	64.24 -1.51 0.00	73.46 -1.42 0.00	74.25 -1.13 0.00	69.87 -1.06 0.00	62.16 -0.95 0.00	58.04 -0.06 0.00	51.04 0.20 0.00	46.58 0.46 0.00



FREEPORT_EQUS_GT1 23764	48.65 3.56 0.00	45.88 4.06 -0.01	39.28 3.83 0.00	36.50 3.23 0.00	35.70 2.98 0.00	39.38 3.02 0.00	43.39 3.58 0.00	45.93 4.40 -0.01	47.49 4.24 0.00	47.95 4.46 -0.17	47.59 4.11 -0.62	52.99 4.73 -0.49	63.07 5.30 -6.30	72.39 5.76 -12.25	73.14 6.22 -8.25	85.02 7.97 -15.25	94.54 8.35 -20.44	111.64 9.51 -27.25	87.18 7.84 -3.96	82.78 6.52 -5.32	84.72 5.80 -15.81	75.26 4.41 -12.75	59.45 3.92 -4.70	48.99 2.86 -0.02
FREEPORT___CT2 23818	48.65 3.56 0.00	45.88 4.06 -0.01	39.28 3.83 0.00	36.50 3.23 0.00	35.70 2.98 0.00	39.38 3.02 0.00	43.39 3.58 0.00	45.93 4.40 -0.01	47.49 4.24 0.00	47.95 4.46 -0.17	47.59 4.11 -0.62	52.99 4.73 -0.49	63.07 5.30 -6.30	72.39 5.76 -12.25	73.14 6.22 -8.25	85.02 7.97 -15.25	94.54 8.35 -20.44	111.64 9.51 -27.25	87.18 7.84 -3.96	82.78 6.52 -5.32	84.72 5.80 -15.81	75.26 4.41 -12.75	59.45 3.92 -4.70	48.99 2.86 -0.02
FRESHKLS_33_KV_LOAD 356253	49.02 3.92 0.00	45.50 3.68 0.00	38.96 3.51 0.00	36.40 3.13 0.00	35.70 2.98 0.00	39.27 2.91 0.00	43.11 3.30 0.00	45.34 3.82 0.00	46.68 3.16 -0.28	50.60 3.16 -4.11	51.01 3.13 -5.03	52.65 3.73 -1.15	54.89 4.53 1.10	55.72 4.95 3.61	56.59 4.75 6.83	67.50 5.93 0.23	81.53 7.10 -8.68	82.38 8.01 0.51	80.75 6.18 0.82	74.56 4.97 1.34	57.30 4.17 9.98	57.51 2.38 2.97	53.99 3.15 0.00	49.43 3.32 0.00
FULTON COGEN____ 23766	44.33 -0.77 0.00	41.06 -0.75 0.00	34.96 -0.50 0.00	32.64 -0.63 0.00	32.13 -0.59 0.00	35.60 -0.76 0.00	38.93 -0.88 0.00	40.65 -0.87 0.00	42.42 -0.82 0.00	42.59 -0.74 0.00	42.17 -0.69 0.00	47.01 -0.76 0.00	50.64 -0.82 0.00	53.34 -1.03 0.00	57.61 -1.06 0.00	60.49 -1.30 0.00	64.70 -1.05 0.00	73.68 -1.20 0.00	74.10 -1.28 0.00	70.09 -0.85 0.00	62.22 -0.88 0.00	57.23 -0.87 0.00	51.24 -0.81 -1.21	45.28 -0.83 0.00
FULTON___LFGE 323630	48.20 3.11 0.00	44.70 2.88 0.00	38.04 2.59 0.00	35.70 2.43 0.00	35.14 2.42 0.00	38.94 2.58 0.00	42.48 2.67 0.00	44.01 2.49 0.00	45.45 2.20 0.00	45.19 1.86 0.00	44.49 1.84 0.21	49.56 2.01 0.22	53.63 2.26 0.10	56.72 2.56 0.22	61.38 2.93 0.22	65.25 3.77 0.31	69.63 3.88 0.00	79.82 4.94 0.00	80.21 4.83 0.00	76.19 5.25 0.00	68.41 5.30 0.00	62.51 4.41 0.00	54.30 3.46 0.00	49.02 2.91 0.00
G.F.CEMENT___DRP 24184	47.48 2.39 0.00	44.07 2.26 0.00	37.58 2.13 0.00	35.30 2.03 0.00	34.69 1.96 0.00	38.36 2.00 0.00	41.96 2.15 0.00	43.80 2.28 0.00	45.36 2.12 0.00	45.14 1.82 0.00	44.06 1.54 0.33	49.05 1.62 0.35	53.22 1.90 0.15	56.21 2.18 0.34	61.02 2.70 0.35	64.64 3.34 0.49	69.76 4.01 0.00	79.89 5.02 0.00	80.13 4.75 0.00	75.26 4.33 0.00	67.46 4.35 0.00	61.41 3.31 0.00	53.33 2.49 0.00	48.19 2.08 0.00
GARDENVILLE___LBMP 24039	44.91 -0.18 0.00	41.69 -0.13 0.00	35.63 0.18 0.00	32.51 -0.77 0.00	32.03 -0.69 0.00	35.27 -1.09 0.00	38.14 -1.67 0.00	39.53 -1.99 0.00	41.82 -1.43 0.00	42.80 -0.52 0.00	42.64 -0.21 0.00	47.49 -0.29 0.00	51.26 -0.21 0.00	53.62 -0.76 0.00	57.73 -0.94 0.00	59.32 -2.47 0.00	64.57 -1.18 0.00	72.71 -2.17 0.00	73.20 -2.19 0.00	70.37 -0.57 0.00	62.54 -0.57 0.00	57.75 -0.35 0.00	50.64 -0.20 0.00	46.07 -0.05 0.00
GARDNVLA_35_KV_LD 355827	45.14 0.05 0.00	41.94 0.13 0.00	35.81 0.35 0.00	32.64 -0.63 0.00	32.20 -0.52 0.00	35																		

GILBOA____ 23599	46.40 1.31 0.00	43.03 1.21 0.00	36.98 1.52 0.00	35.04 1.76 0.00	34.42 1.70 0.00	37.82 1.45 0.00	41.32 1.51 0.00	42.89 1.37 0.00	44.54 1.30 0.00	44.58 1.26 0.00	44.14 1.20 -0.09	49.25 1.39 -0.10	53.15 1.65 -0.04	56.32 1.85 -0.10	60.76 1.99 -0.10	64.40 2.47 -0.14	68.51 2.76 0.00	77.80 2.92 0.00	77.42 2.04 0.00	72.71 1.77 0.00	64.87 1.77 0.00	59.32 1.22 0.00	51.86 1.02 0.00	47.04 0.92 0.00
GINNA____ 23603	43.47 -1.62 0.00	40.10 -1.72 0.00	34.10 -1.35 0.00	31.51 -1.76 0.00	31.02 -1.70 0.00	34.29 -2.07 0.00	37.30 -2.51 0.00	38.91 -2.61 0.00	41.17 -2.07 0.00	41.55 -1.78 0.00	41.27 -1.58 0.00	46.10 -1.67 0.00	49.66 -1.80 0.00	52.31 -2.07 0.00	56.56 -2.11 0.00	59.20 -2.59 0.00	63.39 -2.36 0.00	71.74 -3.14 0.00	72.22 -3.16 0.00	68.74 -2.20 0.00	61.03 -2.08 0.00	56.12 -1.98 0.00	49.16 -1.68 0.00	44.41 -1.71 0.00
GLEN PARK____ 23778	46.40 1.31 0.00	42.86 1.05 0.00	36.27 0.82 0.00	33.90 0.63 0.00	33.51 0.78 0.00	37.49 1.13 0.00	41.08 1.27 0.00	42.76 1.24 0.00	44.72 1.47 0.00	44.71 1.39 0.00	43.93 1.07 0.00	48.78 1.00 0.00	52.34 0.87 0.00	55.46 1.09 0.00	59.67 1.00 0.00	62.41 0.62 0.00	66.60 0.85 0.00	76.07 1.19 0.00	78.02 2.64 0.00	74.05 3.12 0.00	66.70 3.60 0.00	61.52 3.43 0.00	54.03 2.69 -0.50	48.19 2.08 0.00
GLENDALE_27_KV_LOAD 356172	48.97 3.88 0.00	45.41 3.60 0.00	39.00 3.55 0.00	36.40 3.13 0.00	35.70 2.98 0.00	39.31 2.95 0.00	43.27 3.46 0.00	45.59 4.07 0.00	47.35 3.76 -0.34	52.20 3.77 -5.11	52.73 3.73 -6.15	53.50 4.40 -1.33	56.86 5.20 -0.20	60.38 5.55 -0.45	64.58 5.46 -0.46	69.11 6.55 -0.77	84.82 7.76 -11.31	83.78 8.69 -0.21	82.32 6.94 0.00	76.54 5.60 0.00	67.78 4.67 0.00	61.18 3.08 0.00	54.40 3.56 0.00	49.43 3.32 0.00
GLENWOOD_IC_1_G5 23712	48.65 3.56 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.27 2.99 0.00	35.54 2.81 0.00	39.13 2.76 0.00	43.07 3.26 0.00	45.46 3.94 0.00	47.18 3.94 0.00	47.52 4.03 -0.17	47.37 3.90 -0.62	52.75 4.49 -0.49	60.73 4.94 -4.33	68.20 5.38 -8.44	70.14 5.75 -5.72	79.15 6.86 -10.50	89.45 8.02 -15.68	102.86 8.99 -18.99	85.45 7.39 -2.68	80.64 6.10 -3.60	78.91 5.11 -10.69	70.26 3.54 -8.62	57.36 3.36 -3.17	48.94 2.81 -0.01
GLENWOOD_IC_2_G1 23688	48.25 3.16 0.00	45.09 3.26 -0.01	38.68 3.23 0.00	36.07 2.80 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.18 3.65 -0.01	46.80 3.55 0.00	47.17 3.68 -0.17	46.99 3.51 -0.62	52.37 4.11 -0.49	58.32 4.58 -2.28	63.98 5.11 -4.49	67.16 5.46 -3.03	74.36 7.10 -5.46	84.20 7.69 -10.76	93.95 8.61 -10.46	83.75 7.01 -1.36	78.50 5.74 -1.82	73.37 4.86 -5.40	65.82 3.37 -4.35	55.43 3.05 -1.54	48.70 2.58 0.00
GLENWOOD_IC_3_G1 23689	48.25 3.16 0.00	45.09 3.26 -0.01	38.68 3.23 0.00	36.07 2.80 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.18 3.65 -0.01	46.80 3.55 0.00	47.17 3.68 -0.17	46.99 3.51 -0.62	52.37 4.11 -0.49	58.32 4.58 -2.28	63.98 5.11 -4.49	67.16 5.46 -3.03	74.36 7.10 -5.46	84.20 7.69 -10.76	93.95 8.61 -10.46	83.75 7.01 -1.36	78.50 5.74 -1.82	73.37 4.86 -5.40	65.82 3.37 -4.35	55.43 3.05 -1.54	48.70 2.58 0.00
GLENWOOD____4 23550	48.65 3.56 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.27 2.99 0.00	35.54 2.81 0.00	39.13 2.76 0.00	43.07 3.26 0.00	45.46 3.94 0.00	47.18 3.94 0.00	47.52 4.03 -0.17	47.37 3.90 -0.62	52.75 4.49 -0.49	60.83 5.04 -4.33	68.31 5.49 -8.44	70.25 5.87 -5.72	79.34 7.04 -10.50	89.65 8.22 -15.68	103.08 9.21 -18.99	85.60 7.54 -2.68	80.78 6.24 -3.60	79.04 5.24 -10.69	70.43 3.72 -8.62	57.41 3.41 -3.17	48.94 2.81 -0.01
GLENWOOD____5 23614	48.65 3.56 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.27 2.99 0.00	35.54 2.81 0.00	39.13 2.76 0.00	43.07 3.26 0.00	45.46 3.94 0.00	47.18 3.94 0.00	47.52 4.03 -0.17	47.37 3.90 -0.62	52.75 4.49 -0.49	60.83 5.04 -4.33	68.31 5.49 -8.44	70.25 5.87 -5.72	79.34 7.04 -10.50	89.65 8.22 -15.68	103.08 9.21 -18.99	85.60 7.54 -2.68	80.78 6.24 -3.60	79.04 5.24 -10.69	70.43 3.72 -8.62	57.41 3.41 -3.17	48.94 2.81 -0.01
GLOBAL GREEN_PORT_GT1 23814	49.78 4.69 0.00	47.18 5.35 -0.01	40.13 4.68 0.00	37.17 3.89 0.00	36.32 3.60 0.00	40.18 3.82 0.00	44.31 4.50 0.00	47.34 5.81 -0.01	49.00 5.75 0.00	49.82 6.33 -0.17	49.27 5.87 -0.55	54.89 7.03 -0.10	60.40 7.82 -1.12	65.44 8.81 -2.25	70.14 9.33 -2.14	75.66 11.06 -2.81	119.00 11.58 -41.67	178.49 13.26 -90.36	120.06 11.15 -33.52	81.19 9.44 -0.82	73.06 7.57 -2.38	65.73 6.04 -1.60	55.75 4.83 -0.07	49.64 3.69 0.17
GLOBE____DSASP 323697	44.10 -0.99 0.00	40.60 -1.21 0.00	34.67 -0.78 0.00	31.58 -1.70 0.00	31.12 -1.60 0.00	34.65 -1.71 0.00	36.98 -2.83 0.00	38.07 -3.45 0.00	40.30 -2.94 0.00	41.33 -1.99 0.00	41.18 -1.67 0.00	45.81 -1.96 0.00	49.40 -2.06 0.00	51.66 -2.72 0.00	55.62 -3.05 0.00	57.22 -4.57 0.00	62.14 -3.62 0.00	69.86 -5.02 0.00	70.26 -5.13 0.00	67.53 -3.40 0.00	60.02 -3.09 0.00	55.42 -2.67 0.00	48.81 -2.03 0.00	44.59 -1.52 0.00
GOETHSLN____LBMP 323567	48.20 3.11 0.00	44.74 2.93 0.00	38.43 2.98 0.00	35.87 2.60 0.00	35.21 2.49 0.00	38.76 2.40 0.00	42.68 2.87 0.00	44.97 3.45 0.00	47.06 3.55 -0.27	50.98 3.55 -4.10	51.31 3.43 -5.02	52.85 3.92 -1.16	54.65 4.27 1.08	55.49 4.73 3.62	56.81 4.99 6.84	67.79 6.24 0.24	81.85 7.43 -8.67	82.59 8.24 0.53	81.03 6.48 0.84	74.69 5.11 1.35	57.34 4.23 9.99	57.78 2.67 2.99	53.53 2.69 0.01	48.70 2.58 0.00
GOLAH____69_KV_TB 1_2 80279	45.68 0.59 0.00	42.40 0.59 0.00	36.09 0.64 0.00	33.07 -0.20 0.00	32.62 -0.10 0.00	36.00 -0.36 0.00	39.05 -0.76 0.00	40.57 -0.95 0.00	42.73 -0.52 0.00	43.41 0.09 0.00	43.15 0.30 0.00	48.15 0.38 0.00	51.82 0.36 0.00	54.49 0.11 0.00	58.85 0.18 0.00	61.05 -0.74 0.00	65.82 0.07 0.00	74.50 -0.37 0.00	75.16 -0.23 0.00	71.86 0.92 0.00	63.80 0.69 0.00	58.85 0.76 0.00	51.45 0.61 0.00	46.76 0.65 0.00
GOODYEAR_LAKE_HYD 323669	47.08 1.98 0.00	43.61 1.80 0.00	37.26 1.81 0.00	35.00 1.73 0.00	34.46 1.73 0.00	38.11 1.75 0.00	41.72 1.91 0.00	43.39 1.87 0.00	45.19 1.95 0.00	45.27 1.95 0.00	44.70 1.84 0.00	49.97 2.20 0.00	53.88 2.42 0.00	57.15 2.77 0.00	61.54 2.87 0.00	64.94 3.15 0.00	69.43 3.68 0.00	78.92 4.04 0.00	79.08 3.69 0.00	74.48 3.55 0.00	66.45 3.34 0.00	60.83 2.73 0.00	52.98 2.14 0.00	47.91 1.80 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	45.68 0.59 0.00	42.28 0.46 0.00	36.09 0.64 0.00	33.64 0.37 0.00	33.15 0.43 0.00	36.62 0.25 0.00	40.05 0.24 0.00	41.73 0.21 0.00	43.63 0.39 0.00	44.02 0.69 0.00	43.61 0.69 -0.07	48.70 0.86 -0.07	52.42 0.93 -0.03	55.31 0.87 -0.06	59.67 0.94 -0.07	62.50 0.62 -0.09	67.07 1.32 0.00	76.23 1.35 0.00	76.36 0.98 0.00	72.36 1.42 0.00	64.31 1.20 0.00	59.08 0.99 0.00	51.60 0.76 0.00	46.62 0.51 0.00

GOUDEY___7 23579	45.68 0.59 0.00	42.28 0.46 0.00	36.09 0.64 0.00	33.64 0.37 0.00	33.15 0.43 0.00	36.62 0.25 0.00	40.05 0.24 0.00	41.73 0.21 0.00	43.63 0.39 0.00	44.02 0.69 0.00	43.61 0.69 -0.07	48.70 0.86 -0.07	52.42 0.93 -0.03	55.31 0.87 -0.06	59.67 0.94 -0.07	62.50 0.62 -0.09	67.07 1.32 0.00	76.23 1.35 0.00	76.36 0.98 0.00	72.36 1.42 0.00	64.31 1.20 0.00	59.08 0.99 0.00	51.60 0.76 0.00	46.62 0.51 0.00
GOUDEY___8 23580	45.68 0.59 0.00	42.28 0.46 0.00	36.09 0.64 0.00	33.64 0.37 0.00	33.15 0.43 0.00	36.62 0.25 0.00	40.05 0.24 0.00	41.73 0.21 0.00	43.63 0.39 0.00	44.02 0.69 0.00	43.61 0.69 -0.07	48.70 0.86 -0.07	52.42 0.93 -0.03	55.31 0.87 -0.06	59.67 0.94 -0.07	62.50 0.62 -0.09	67.07 1.32 0.00	76.23 1.35 0.00	76.36 0.98 0.00	72.36 1.42 0.00	64.31 1.20 0.00	59.08 0.99 0.00	51.60 0.76 0.00	46.62 0.51 0.00
GOWANUS_GT1_1 24077	48.93 3.83 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.37 3.09 0.00	35.67 2.94 0.00	39.23 2.87 0.00	43.11 3.30 0.00	45.34 3.82 0.00	46.97 3.37 -0.36	52.15 3.42 -5.40	52.72 3.39 -6.48	53.17 4.01 -1.38	56.50 4.84 -0.20	60.05 5.22 -0.45	64.17 5.05 -0.46	68.80 6.24 -0.77	85.16 7.36 -12.04	83.42 8.31 -0.23	81.87 6.48 0.00	76.26 5.32 0.00	67.59 4.48 0.00	60.77 2.67 0.00	54.20 3.36 0.00	49.39 3.27 0.00
GOWANUS_GT1_2 24078	48.93 3.83 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.37 3.09 0.00	35.67 2.94 0.00	39.23 2.87 0.00	43.11 3.30 0.00	45.34 3.82 0.00	46.97 3.37 -0.36	52.15 3.42 -5.40	52.72 3.39 -6.48	53.17 4.01 -1.38	56.50 4.84 -0.20	60.05 5.22 -0.45	64.17 5.05 -0.46	68.80 6.24 -0.77	85.16 7.36 -12.04	83.42 8.31 -0.23	81.87 6.48 0.00	76.26 5.32 0.00	67.59 4.48 0.00	60.77 2.67 0.00	54.20 3.36 0.00	49.39 3.27 0.00
GOWANUS_GT1_3 24079	48.93 3.83 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.37 3.09 0.00	35.67 2.94 0.00	39.23 2.87 0.00	43.11 3.30 0.00	45.34 3.82 0.00	46.97 3.37 -0.36	52.15 3.42 -5.40	52.72 3.39 -6.48	53.17 4.01 -1.38	56.50 4.84 -0.20	60.05 5.22 -0.45	64.17 5.05 -0.46	68.80 6.24 -0.77	85.16 7.36 -12.04	83.42 8.31 -0.23	81.87 6.48 0.00	76.26 5.32 0.00	67.59 4.48 0.00	60.77 2.67 0.00	54.20 3.36 0.00	49.39 3.27 0.00
GOWANUS_GT1_4 24080	48.93 3.83 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.37 3.09 0.00	35.67 2.94 0.00	39.23 2.87 0.00	43.11 3.30 0.00	45.34 3.82 0.00	46.97 3.37 -0.36	52.15 3.42 -5.40	52.72 3.39 -6.48	53.17 4.01 -1.38	56.50 4.84 -0.20	60.05 5.22 -0.45	64.17 5.05 -0.46	68.80 6.24 -0.77	85.16 7.36 -12.04	83.42 8.31 -0.23	81.87 6.48 0.00	76.26 5.32 0.00	67.59 4.48 0.00	60.77 2.67 0.00	54.20 3.36 0.00	49.39 3.27 0.00
GOWANUS_GT1_5 24084	48.93 3.83 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.37 3.09 0.00	35.67 2.94 0.00	39.23 2.87 0.00	43.11 3.30 0.00	45.34 3.82 0.00	46.97 3.37 -0.36	52.15 3.42 -5.40	52.72 3.39 -6.48	53.17 4.01 -1.38	56.50 4.84 -0.20	60.05 5.22 -0.45	64.17 5.05 -0.46	68.80 6.24 -0.77	85.16 7.36 -12.04	83.42 8.31 -0.23	81.87 6.48 0.00	76.26 5.32 0.00	67.59 4.48 0.00	60.77 2.67 0.00	54.20 3.36 0.00	49.39 3.27 0.00
GOWANUS_GT1_6 24111	48.93 3.83 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.37 3.09 0.00	35.67 2.94 0.00	39.23 2.87 0.00	43.11 3.30 0.00																	

GOWANUS_GT2_6 24119	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.82 3.29 -0.29	51.11 3.42 -4.36	51.55 3.38 -5.32	53.08 4.11 -1.20	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	82.54 7.36 -9.42	83.28 8.24 -0.16	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
GOWANUS_GT2_7 24120	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.82 3.29 -0.29	51.11 3.42 -4.36	51.55 3.38 -5.32	53.08 4.11 -1.20	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	82.54 7.36 -9.42	83.28 8.24 -0.16	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
GOWANUS_GT2_8 24121	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.82 3.29 -0.29	51.11 3.42 -4.36	51.55 3.38 -5.32	53.08 4.11 -1.20	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	82.54 7.36 -9.42	83.28 8.24 -0.16	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
GOWANUS_GT3_1 24122	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.89 3.29 -0.36	52.14 3.42 -5.40	52.71 3.38 -6.48	53.26 4.11 -1.38	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	85.16 7.36 -12.04	83.34 8.24 -0.23	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
GOWANUS_GT3_2 24123	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.89 3.29 -0.36	52.14 3.42 -5.40	52.71 3.38 -6.48	53.26 4.11 -1.38	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	85.16 7.36 -12.04	83.34 8.24 -0.23	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
GOWANUS_GT3_3 24124	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.89 3.29 -0.36	52.14 3.42 -5.40	52.71 3.38 -6.48	53.26 4.11 -1.38	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	85.16 7.36 -12.04	83.34 8.24 -0.23	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
GOWANUS_GT3_4 24125	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.89 3.29 -0.36	52.14 3.42 -5.40	52.71 3.38 -6.48	53.26 4.11 -1.38	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	85.16 7.36 -12.04	83.34 8.24 -0.23	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
GOWANUS_GT3_5 24126	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.89 3.29 -0.36	52.14 3.42 -5.40	52.71 3.38 -6.48	53.26 4.11 -1.38	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	85.16 7.36 -12.04	83.34 8.24 -0.23	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
GOWANUS_GT3_6 24127	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.89 3.29 -0.36	52.14 3.42 -5.40	52.71 3.38 -6.48	53.26 4.11 -1.38	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	85.16 7.36 -12.04	83.34 8.24 -0.23	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
GOWANUS_GT3_7 24128	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.89 3.29 -0.36	52.14 3.42 -5.40	52.71 3.38 -6.48	53.26 4.11 -1.38	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	85.16 7.36 -12.04	83.34 8.24 -0.23	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
GOWANUS_GT3_8 24129	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.89 3.29 -0.36	52.14 3.42 -5.40	52.71 3.38 -6.48	53.26 4.11 -1.38	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	85.16 7.36 -12.04	83.34 8.24 -0.23	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
GOWANUS_GT4_1 24130	48.93 3.83 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.37 3.09 0.00	35.67 2.94 0.00	39.23 2.87 0.00	43.11 3.30 0.00	45.34 3.82 0.00	46.91 3.37 -0.29	51.11 3.42 -4.36	51.56 3.39 -5.32	52.98 4.01 -1.20	56.50 4.84 -0.20	60.05 5.22 -0.45	64.17 5.05 -0.46	68.80 6.24 -0.77	82.54 7.36 -9.42	83.36 8.31 -0.17	81.87 6.48 0.00	76.26 5.32 0.00	67.59 4.48 0.00	60.77 2.67 0.00	54.20 3.36 0.00	49.39 3.27 0.00
GOWANUS_GT4_2 24131	48.93 3.83 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.37 3.09 0.00	35.67 2.94 0.00	39.23 2.87 0.00	43.11 3.30 0.00	45.34 3.82 0.00	46.91 3.37 -0.29	51.11 3.42 -4.36	51.56 3.39 -5.32	52.98 4.01 -1.20	56.50 4.84 -0.20	60.05 5.22 -0.45	64.17 5.05 -0.46	68.80 6.24 -0.77	82.54 7.36 -9.42	83.36 8.31 -0.17	81.87 6.48 0.00	76.26 5.32 0.00	67.59 4.48 0.00	60.77 2.67 0.00	54.20 3.36 0.00	49.39 3.27 0.00
GOWANUS_GT4_3 24132	48.93 3.83 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.37 3.09 0.00	35.67 2.94 0.00	39.23 2.87 0.00	43.11 3.30 0.00	45.34 3.82 0.00	46.91 3.37 -0.29	51.11 3.42 -4.36	51.56 3.39 -5.32	52.98 4.01 -1.20	56.50 4.84 -0.20	60.05 5.22 -0.45	64.17 5.05 -0.46	68.80 6.24 -0.77	82.54 7.36 -9.42	83.36 8.31 -0.17	81.87 6.48 0.00	76.26 5.32 0.00	67.59 4.48 0.00	60.77 2.67 0.00	54.20 3.36 0.00	49.39 3.27 0.00
GOWANUS_GT4_4 24133	48.93 3.83 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.37 3.09 0.00	35.67 2.94 0.00	39.23 2.87 0.00	43.11 3.30 0.00	45.34 3.82 0.00	46.91 3.37 -0.29	51.11 3.42 -4.36	51.56 3.39 -5.32	52.98 4.01 -1.20	56.50 4.84 -0.20	60.05 5.22 -0.45	64.17 5.05 -0.46	68.80 6.24 -0.77	82.54 7.36 -9.42	83.36 8.31 -0.17	81.87 6.48 0.00	76.26 5.32 0.00	67.59 4.48 0.00	60.77 2.67 0.00	54.20 3.36 0.00	49.39 3.27 0.00

GOWANUS_GT4_5 24134	48.93 3.83 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.37 3.09 0.00	35.67 2.94 0.00	39.23 2.87 0.00	43.11 3.30 0.00	45.34 3.82 0.00	46.91 3.37 -0.29	51.11 3.42 -4.36	51.56 3.39 -5.32	52.98 4.01 -1.20	56.50 4.84 -0.20	60.05 5.22 -0.45	64.17 5.05 -0.46	68.80 6.24 -0.77	82.54 7.36 -9.42	83.36 8.31 -0.17	81.87 6.48 0.00	76.26 5.32 0.00	67.59 4.48 0.00	60.77 2.67 0.00	54.20 3.36 0.00	49.39 3.27 0.00
GOWANUS_GT4_6 24135	48.93 3.83 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.37 3.09 0.00	35.67 2.94 0.00	39.23 2.87 0.00	43.11 3.30 0.00	45.34 3.82 0.00	46.91 3.37 -0.29	51.11 3.42 -4.36	51.56 3.39 -5.32	52.98 4.01 -1.20	56.50 4.84 -0.20	60.05 5.22 -0.45	64.17 5.05 -0.46	68.80 6.24 -0.77	82.54 7.36 -9.42	83.36 8.31 -0.17	81.87 6.48 0.00	76.26 5.32 0.00	67.59 4.48 0.00	60.77 2.67 0.00	54.20 3.36 0.00	49.39 3.27 0.00
GOWANUS_GT4_7 24136	48.93 3.83 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.37 3.09 0.00	35.67 2.94 0.00	39.23 2.87 0.00	43.11 3.30 0.00	45.34 3.82 0.00	46.91 3.37 -0.29	51.11 3.42 -4.36	51.56 3.39 -5.32	52.98 4.01 -1.20	56.50 4.84 -0.20	60.05 5.22 -0.45	64.17 5.05 -0.46	68.80 6.24 -0.77	82.54 7.36 -9.42	83.36 8.31 -0.17	81.87 6.48 0.00	76.26 5.32 0.00	67.59 4.48 0.00	60.77 2.67 0.00	54.20 3.36 0.00	49.39 3.27 0.00
GOWANUS_GT4_8 24137	48.93 3.83 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.37 3.09 0.00	35.67 2.94 0.00	39.23 2.87 0.00	43.11 3.30 0.00	45.34 3.82 0.00	46.91 3.37 -0.29	51.11 3.42 -4.36	51.56 3.39 -5.32	52.98 4.01 -1.20	56.50 4.84 -0.20	60.05 5.22 -0.45	64.17 5.05 -0.46	68.80 6.24 -0.77	82.54 7.36 -9.42	83.36 8.31 -0.17	81.87 6.48 0.00	76.26 5.32 0.00	67.59 4.48 0.00	60.77 2.67 0.00	54.20 3.36 0.00	49.39 3.27 0.00
GREATVR_69_KV_BK1 356245	49.51 4.42 0.00	46.67 4.85 0.00	39.81 4.36 0.00	36.90 3.63 0.00	36.06 3.34 0.00	39.82 3.45 0.00	43.91 4.10 0.00	46.59 5.07 0.00	48.22 4.97 0.00	48.65 5.16 -0.17	47.98 4.59 -0.54	53.18 5.16 -0.24	58.90 6.02 -1.42	64.09 6.91 -2.81	68.49 7.45 -2.37	73.98 8.65 -3.54	111.32 10.06 -35.51	147.96 11.31 -61.78	109.16 9.72 -24.05	80.31 8.30 -1.07	73.20 6.94 -3.15	65.60 5.17 -2.33	55.42 4.32 -0.26	49.03 3.09 0.18
GREENBSH_115KV_TB3 55895	45.81 0.72 0.00	42.49 0.67 0.00	36.41 0.96 0.00	34.37 1.10 0.00	33.74 1.01 0.00	37.02 0.65 0.00	40.61 0.80 0.00	42.39 0.87 0.00	43.94 0.69 0.00	43.80 0.48 0.00	43.04 0.47 0.28	48.05 0.57 0.30	52.05 0.72 0.13	55.06 0.98 0.29	59.49 1.11 0.30	63.04 1.67 0.42	67.79 2.04 0.00	77.27 2.40 0.00	76.97 1.58 0.00	72.07 1.13 0.00	64.24 1.14 0.00	58.56 0.46 0.00	51.15 0.31 0.00	46.39 0.28 0.00
GREENDGE_115KV_TB5 80291	45.72 0.63 0.00	42.28 0.46 0.00	36.05 0.60 0.00	33.31 0.03 0.00	32.89 0.16 0.00	36.36 0.00 0.00	39.77 -0.04 0.00	41.48 -0.04 0.00	43.50 0.26 0.00	43.97 0.65 0.00	43.50 0.64 0.00	48.20 0.43 0.00	51.88 0.41 0.00	54.49 0.11 0.00	58.79 0.12 0.00	61.17 -0.62 0.00	66.08 0.33 0.00	75.18 0.30 0.00	75.84 0.45 0.00	72.36 1.42 0.00	64.24 1.14 0.00	59.26 1.16 0.00	51.60 0.76 0.00	46.94 0.83 0.00
GREENIDGE___3 23582	45.72 0.63 0.00	42.28 0.46 0.00	36.05 0.60 0.00	33.31 0.03 0.00	32.89 0.16 0.00	36.36 0.00 0.00	39.77 -0.04 0.00	41.48 -0.04 0.00	43.50 0.26 0.00	43.97 0.65 0.00	43.50 0.64 0.00	48.20 0.43 0.00	51.88 0.41 0.00	54.49 0.11 0.00	58.79 0.12 0.00	61.17 -0.62 0.00	66.08 0.33 0.00	75.18 0.30 0.00	75.84 0.45 0.00	72.36 1.42 0.00	64.24 1.14 0.00	59.26 1.16 0.00	51.60 0.76 0.00	46.94 0.83 0.00
GREENIDGE___4 23583	45.81 0.72 0.00	42.28 0.46 0.00	36.05 0.60 0.00	33.37 0.10 0.00	32.89 0.16 0.00	36.36 0.00 0.00	39.77 -0.04 0.00	41.48 -0.04 0.00	43.63 0.39 0.00	43.97 0.65 0.00	43.54 0.68 0.00	48.20 0.43 0.00	51.93 0.46 0.00	54.54 0.16 0.00	58.79 0.12 0.00	61.67 -0.12 0.00	66.15 0.40 0.00	75.25 0.38 0.00	75.91 0.53 0.00	72.49 1.56 0.00	64.37 1.26 0.00	59.26 1.16 0.00	51.76 0.92 0.00	46.95 0.83 0.00
GREENLWN_69_KV_BK 3 55738	47.80 2.71 0.00	45.33 3.51 0.00	38.82 3.37 0.00	36.04 2.76 0.00	35.24 2.52 0.00	38.87 2.51 0.00	42.87 3.07 0.00	45.38 3.86 0.00	46.75 3.50 0.00	47.09 3.60 -0.17	46.28 3.00 -0.42	50.36 3.39 0.80	56.96 4.07 -1.43	61.76 4.68 -2.71	65.03 4.99 -1.37	71.30 6.18 -3.33	45.55 7.43 27.63	32.64 8.46 50.69	47.22 6.78 34.95	77.15 5.25 -0.97	70.22 4.29 -2.82	62.08 2.79 -1.20	52.59 2.59 0.85	47.19 1.52 0.44
GREENWD_138_KV_38B11_REV_LBMP_J 345004	48.93 3.83 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.37 3.09 0.00	35.67 2.94 0.00	39.23 2.87 0.00	43.11 3.30 0.00	45.34 3.82 0.00	46.97 3.37 -0.36	52.15 3.42 -5.40	52.72 3.39 -6.48	53.17 4.01 -1.38	56.50 4.84 -0.20	60.05 5.22 -0.45	64.17 5.05 -0.46	68.80 6.24 -0.77	85.16 7.36 -12.04	83.42 8.31 -0.23	81.87 6.48 0.00	76.26 5.32 0.00	67.59 4.48 0.00	60.77 2.67 0.00	54.20 3.36 0.00	49.39 3.27 0.00
GRISSOM___SOLAR 323813	48.07 2.98 0.00	44.58 2.76 0.00	37.97 2.52 0.00	35.60 2.33 0.00	35.05 2.32 0.00	38.84 2.47 0.00	42.36 2.55 0.00	43.97 2.45 0.00	45.45 2.20 0.00	45.23 1.90 0.00	44.48 1.84 0.21	49.60 2.05 0.22	53.63 2.26 0.10	56.71 2.56 0.22	61.38 2.93 0.22	65.25 3.77 0.31	69.70 3.94 0.00	79.82 4.94 0.00	80.14 4.75 0.00	75.97 5.04 0.00	68.16 5.05 0.00	62.22 4.13 0.00	54.10 3.26 0.00	48.88 2.77 0.00
GROVEVILLE___HYD 323602	48.20 3.11 0.00	44.70 2.89 0.00	38.29 2.84 0.00	35.87 2.60 0.00	35.21 2.49 0.00	38.76 2.40 0.00	42.64 2.83 0.00	44.63 3.11 0.00	46.40 3.16 0.00	46.31 2.99 0.00	46.17 2.96 -0.36	51.50 3.34 -0.38	55.59 3.96 -0.17	59.27 4.51 -0.38	63.86 4.81 -0.38	68.07 5.75 -0.53	72.52 6.77 0.00	82.44 7.56 0.00	81.64 6.26 0.00	76.11 5.18 0.00	67.53 4.42 0.00	61.18 3.08 0.00	53.53 2.69 0.00	48.56 2.44 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	45.05 -0.05 0.00	41.73 -0.08 0.00	35.52 0.07 0.00	33.14 -0.13 0.00	32.66 -0.07 0.00	36.14 -0.22 0.00	39.57 -0.24 0.00	41.31 -0.21 0.00	43.16 -0.09 0.00	43.37 0.04 0.00	42.90 0.04 0.00	47.87 0.10 0.00	51.57 0.10 0.00	54.32 -0.05 0.00	58.67 0.00 0.00	61.54 -0.25 0.00	65.88 0.13 0.00	75.03 0.15 0.00	75.46 0.08 0.00	71.36 0.43 0.00	63.30 0.19 0.00	58.27 0.17 0.00	51.37 0.05 -0.48	46.02 -0.09 0.00
HAMLTNNY_34_KV_TB 80303	45.23 0.14 0.00	41.86 0.04 0.00	35.63 0.18 0.00	33.21 -0.07 0.00	32.72 0.00 0.00	36.18 -0.18 0.00	39.57 -0.24 0.00	41.31 -0.21 0.00	43.20 -0.04 0.00	43.50 0.17 0.00	43.07 0.21 0.00	48.01 0.24 0.00	51.72 0.26 0.00	54.54 0.16 0.00	58.90 0.23 0.00	61.73 -0.06 0.00	66.15 0.39 0.00	75.25 0.37 0.00	75.68 0.30 0.00	71.65 0.71 0.00	63.61 0.50 0.00	58.56 0.46 0.00	51.55 0.25 -0.45	46.21 0.09 0.00

HAMPSHIRE___PAPER_HYD 323593	45.50 0.40 0.00	42.15 0.33 0.00	35.42 -0.04 0.00	33.24 -0.03 0.00	32.75 0.03 0.00	36.76 0.40 0.00	40.29 0.48 0.00	41.98 0.46 0.00	43.89 0.65 0.00	43.85 0.52 0.00	43.28 0.43 0.00	48.15 0.38 0.00	51.62 0.15 0.00	54.60 0.22 0.00	58.85 0.18 0.00	61.17 -0.62 0.00	65.03 -0.72 0.00	73.98 -0.90 0.00	75.16 -0.23 0.00	71.01 0.07 0.00	63.74 0.63 0.00	59.37 1.28 0.00	52.29 1.27 -0.18	47.22 1.10 0.00
HARDSCRABBLE_WT_PWR 323673	45.99 0.90 0.00	42.61 0.79 0.00	36.23 0.78 0.00	34.01 0.73 0.00	33.47 0.75 0.00	37.16 0.80 0.00	40.73 0.92 0.00	42.43 0.91 0.00	44.24 1.00 0.00	44.24 0.91 0.00	43.58 0.73 0.00	48.53 0.76 0.00	52.24 0.77 0.00	55.24 0.87 0.00	59.55 0.88 0.00	62.84 1.05 0.00	66.67 0.92 0.00	75.85 0.97 0.00	76.36 0.98 0.00	71.93 0.99 0.00	64.24 1.14 0.00	59.14 1.05 0.00	51.76 0.92 0.00	46.95 0.83 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	47.89 2.80 0.00	44.45 2.63 0.00	38.11 2.66 0.00	35.70 2.43 0.00	35.05 2.32 0.00	38.58 2.22 0.00	42.40 2.59 0.00	44.47 2.95 0.00	46.19 2.94 0.00	46.23 2.90 0.00	46.07 2.83 -0.39	51.44 3.25 -0.42	55.45 3.81 -0.18	59.14 4.35 -0.41	63.72 4.63 -0.41	67.93 5.56 -0.58	72.39 6.64 0.00	82.29 7.41 0.00	81.19 5.80 0.00	75.76 4.82 0.00	67.15 4.04 0.00	60.83 2.73 0.00	53.28 2.44 0.00	48.33 2.21 0.00
HARSNRAD_115KV_TB1 81005	44.46 -0.63 0.00	41.48 -0.33 0.00	35.42 -0.04 0.00	32.28 -1.00 0.00	31.81 -0.92 0.00	34.87 -1.49 0.00	37.62 -2.19 0.00	38.86 -2.66 0.00	41.13 -2.12 0.00	42.15 -1.17 0.00	42.00 -0.86 0.00	46.77 -1.00 0.00	50.43 -1.03 0.00	52.75 -1.63 0.00	56.85 -1.82 0.00	58.45 -3.34 0.00	63.58 -2.17 0.00	71.51 -3.37 0.00	71.92 -3.47 0.00	69.16 -1.77 0.00	61.47 -1.64 0.00	56.76 -1.34 0.00	49.87 -0.97 0.00	45.61 -0.51 0.00
HARZA MOOSE___RIVER 24016	45.86 0.77 0.00	42.44 0.63 0.00	35.98 0.53 0.00	33.71 0.43 0.00	33.25 0.52 0.00	37.05 0.69 0.00	40.61 0.80 0.00	42.35 0.83 0.00	44.37 1.12 0.00	44.28 0.95 0.00	43.71 0.86 0.00	48.68 0.91 0.00	52.39 0.93 0.00	55.46 1.09 0.00	59.78 1.11 0.00	62.47 0.68 0.00	66.67 0.92 0.00	76.00 1.12 0.00	77.12 1.73 0.00	72.78 1.84 0.00	65.51 2.40 0.00	60.42 2.32 0.00	52.80 1.83 -0.13	47.59 1.48 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	44.78 -0.32 0.00	41.48 -0.33 0.00	35.31 -0.14 0.00	32.97 -0.30 0.00	32.46 -0.26 0.00	35.93 -0.44 0.00	39.33 -0.48 0.00	41.06 -0.46 0.00	42.86 -0.39 0.00	43.06 -0.26 0.00	42.64 -0.21 0.00	47.58 -0.19 0.00	51.26 -0.21 0.00	54.05 -0.33 0.00	58.38 -0.29 0.00	61.23 -0.56 0.00	65.55 -0.20 0.00	74.58 -0.30 0.00	74.93 -0.45 0.00	70.87 -0.07 0.00	62.92 -0.19 0.00	57.86 -0.23 0.00	50.48 -0.36 0.00	45.70 -0.42 0.00
HELLGATE_13_KV_LD 55870	48.93 3.83 0.00	45.41 3.60 0.00	39.03 3.58 0.00	36.44 3.16 0.00	35.73 3.01 0.00	39.34 2.98 0.00	43.31 3.50 0.00	45.59 4.07 0.00	47.35 3.76 -0.34	52.20 3.77 -5.11	52.69 3.69 -6.15	53.45 4.35 -1.33	56.86 5.20 -0.20	60.43 5.60 -0.45	64.59 5.46 -0.46	69.11 6.55 -0.77	84.82 7.76 -11.31	83.78 8.69 -0.21	82.40 7.01 -0.01	76.55 5.60 -0.01	67.78 4.67 -0.01	61.18 3.08 0.00	54.40 3.56 0.00	49.48 3.37 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	48.93 3.83 0.00	45.41 3.60 0.00	39.03 3.58 0.00	36.44 3.16 0.00	35.73 3.01 0.00	39.34 2.98 0.00	43.31 3.50 0.00	45.59 4.07 0.00	47.35 3.76 -0.34	52.20 3.77 -5.11	52.69 3.69 -6.15	53.45 4.35 -1.33	56.86 5.20 -0.20	60.43 5.60 -0.45	64.59 5.46 -0.46	69.11 6.55 -0.77	84.82 7.76 -11.31	83.78 8.69 -0.21	82.40 7.01 -0.01	76.55 5.60 -0.01	67.78 4.67 -0.01	61.18 3.08 0.00	54.40 3.56 0.00	49.48 3.37 0.00
HEMPSTEAD____ 23647	48.25 3.16 0.00	45.42 3.60 -0.01	38.93 3.48 0.00	36.20 2.93 0.00	35.44 2.71 0.00	39.09 2.73 0.00	43.03 3.22 0.00	45.51 3.99 -0.01	47.10 3.85 0.00	47.52 4.03 -0.17	47.20 3.73 -0.62	52.61 4.35 -0.49	61.11 4.84 -4.82	69.09 5.33 -9.38	70.99 5.75 -6.57	81.36 7.47 -12.10	90.63 8.02 -16.86	104.90 8.98 -21.04	85.77 7.39 -3.00	81.07 6.10 -4.03	80.25 5.18 -11.96	71.40 3.66 -9.64	57.88 3.35 -3.68	48.61 2.49 -0.01
HICKLING___1 23621	45.68 0.59 0.00	42.23 0.42 0.00	36.05 0.60 0.00	33.34 0.07 0.00	32.89 0.16 0.00	36.33 -0.04 0.00	39.69 -0.12 0.00	41.31 -0.21 0.00	43.42 0.17 0.00	44.06 0.74 0.00	43.63 0.77 0.00	48.63 0.86 0.00	52.39 0.93 0.00	55.03 0.65 0.00	59.26 0.59 0.00	61.42 -0.37 0.00	66.54 0.79 0.00	75.55 0.67 0.00	75.99 0.60 0.00	72.64 1.70 0.00	64.56 1.45 0.00	59.55 1.45 0.00	51.91 1.07 0.00	46.90 0.78 0.00
HICKLING___2 23622	45.68 0.59 0.00	42.23 0.42 0.00	36.05 0.60 0.00	33.34 0.07 0.00	32.89 0.16 0.00	36.33 -0.04 0.00	39.69 -0.12 0.00	41.31 -0.21 0.00	43.42 0.17 0.00	44.06 0.74 0.00	43.63 0.77 0.00	48.63 0.86 0.00	52.39 0.93 0.00	55.03 0.65 0.00	59.26 0.59 0.00	61.42 -0.37 0.00	66.54 0.79 0.00	75.55 0.67 0.00	75.99 0.60 0.00	72.64 1.70 0.00	64.56 1.45 0.00	59.55 1.45 0.00	51.91 1.07 0.00	46.90 0.78 0.00
HIGH FALLS___HY 23754	48.20 3.11 0.00	44.70 2.89 0.00	38.29 2.84 0.00	35.87 2.60 0.00	35.21 2.49 0.00	38.80 2.44 0.00	42.64 2.83 0.00	44.76 3.24 0.00	46.58 3.33 0.00	46.49 3.16 0.00	46.14 3.04 -0.25	51.39 3.34 -0.27	55.54 3.96 -0.12	59.16 4.51 -0.27	63.75 4.81 -0.27	67.92 5.75 -0.38	72.66 6.90 0.00	82.59 7.71 0.00	81.64 6.26 0.00	76.19 5.25 0.00	67.53 4.42 0.00	61.18 3.08 0.00	53.59 2.75 0.00	48.56 2.44 0.00
HIGH_RIVER___SOLAR 323847	47.17 2.08 0.00	43.74 1.92 0.00	37.33 1.88 0.00	35.04 1.76 0.00	34.45 1.73 0.00	38.11 1.75 0.00	41.60 1.79 0.00	43.14 1.62 0.00	44.50 1.25 0.00	44.19 0.87 0.00	43.48 0.86 0.23	48.43 0.91 0.24	52.49 1.13 0.11	55.44 1.30 0.24	60.01 1.58 0.24	63.74 2.29 0.34	68.12 2.36 0.00	78.02 3.14 0.00	78.48 3.09 0.00	74.27 3.33 0.00	66.51 3.41 0.00	60.77 2.67 0.00	52.93 2.09 0.00	47.91 1.80 0.00
HILLBURN___GT 23639	47.75 2.66 0.00	44.41 2.59 0.00	38.11 2.66 0.00	35.67 2.40 0.00	35.01 2.29 0.00	38.54 2.18 0.00	42.36 2.55 0.00	44.51 2.99 0.00	46.10 2.85 0.00	46.31 2.99 0.00	46.17 2.92 -0.40	51.54 3.34 -0.43	55.46 3.81 -0.19	59.15 4.35 -0.42	63.73 4.63 -0.42	68.56 6.18 -0.60	72.46 6.71 0.00	82.36 7.49 0.00	81.19 5.80 0.00	75.69 4.75 0.00	67.15 4.04 0.00	60.77 2.67 0.00	53.18 2.34 0.00	48.28 2.17 0.00
HILLSIDE_115KV_TB1 80332	45.09 0.00 0.00	41.69 -0.13 0.00	35.63 0.18 0.00	33.01 -0.27 0.00	32.56 -0.16 0.00	35.93 -0.44 0.00	39.25 -0.56 0.00	40.90 -0.62 0.00	42.94 -0.30 0.00	43.54 0.22 0.00	43.15 0.30 0.00	48.11 0.33 0.00	51.82 0.36 0.00	54.54 0.16 0.00	58.73 0.06 0.00	61.05 -0.74 0.00	66.02 0.26 0.00	74.95 0.07 0.00	75.16 -0.23 0.00	71.72 0.78 0.00	63.74 0.63 0.00	58.74 0.64 0.00	51.20 0.36 0.00	46.25 0.14 0.00

HISHELDN_WT_PWR 323625	45.05 -0.05 0.00	41.61 -0.21 0.00	35.56 0.11 0.00	32.57 -0.70 0.00	32.03 -0.69 0.00	35.31 -1.06 0.00	38.26 -1.55 0.00	39.61 -1.91 0.00	42.03 -1.21 0.00	42.63 -0.69 0.00	42.47 -0.39 0.00	47.29 -0.48 0.00	51.05 -0.41 0.00	53.23 -1.14 0.00	57.26 -1.41 0.00	59.63 -2.16 0.00	64.17 -1.58 0.00	72.48 -2.40 0.00	73.27 -2.11 0.00	70.58 -0.35 0.00	62.86 -0.25 0.00	57.87 -0.23 0.00	51.04 0.20 0.00	46.11 0.00 0.00
HOLTSVILLE_IC_1 23690	48.16 3.07 0.00	45.84 4.01 -0.01	39.10 3.65 0.00	36.27 3.00 0.00	35.47 2.75 0.00	39.12 2.76 0.00	43.15 3.34 0.00	45.85 4.32 -0.01	47.18 3.93 0.00	47.74 4.25 -0.17	46.92 3.51 -0.55	51.95 4.06 -0.12	57.10 4.53 -1.10	61.93 5.33 -2.22	66.40 5.69 -2.04	71.97 7.41 -2.77	110.51 8.09 -36.68	167.28 9.21 -83.20	111.47 7.46 -28.62	77.84 6.10 -0.81	70.50 5.05 -2.34	63.22 3.54 -1.58	53.89 2.95 -0.10	47.99 2.03 0.16
HOLTSVILLE_IC_10 23699	48.48 3.38 0.00	46.09 4.27 -0.01	39.32 3.86 0.00	36.44 3.16 0.00	35.63 2.91 0.00	39.31 2.94 0.00	43.35 3.54 0.00	46.10 4.57 -0.01	47.44 4.19 0.00	48.04 4.55 -0.17	47.29 3.90 -0.53	52.28 4.49 -0.02	57.68 5.05 -1.17	62.67 5.93 -2.37	67.46 6.34 -2.46	72.83 8.09 -2.94	131.52 8.87 -56.90	196.55 10.10 -111.57	132.09 8.29 -48.42	78.77 6.96 -0.88	71.31 5.68 -2.53	63.81 4.07 -1.65	54.18 3.35 0.01	48.31 2.40 0.20
HOLTSVILLE_IC_2 23691	48.16 3.07 0.00	45.84 4.01 -0.01	39.10 3.65 0.00	36.27 3.00 0.00	35.47 2.75 0.00	39.12 2.76 0.00	43.15 3.34 0.00	45.85 4.32 -0.01	47.18 3.93 0.00	47.74 4.25 -0.17	46.92 3.51 -0.55	51.95 4.06 -0.12	57.10 4.53 -1.10	61.93 5.33 -2.22	66.40 5.69 -2.04	71.97 7.41 -2.77	110.51 8.09 -36.68	167.28 9.21 -83.20	111.47 7.46 -28.62	77.84 6.10 -0.81	70.50 5.05 -2.34	63.22 3.54 -1.58	53.89 2.95 -0.10	47.99 2.03 0.16
HOLTSVILLE_IC_3 23692	48.16 3.07 0.00	45.84 4.01 -0.01	39.10 3.65 0.00	36.27 3.00 0.00	35.47 2.75 0.00	39.12 2.76 0.00	43.15 3.34 0.00	45.85 4.32 -0.01	47.18 3.93 0.00	47.74 4.25 -0.17	46.92 3.51 -0.55	51.95 4.06 -0.12	57.10 4.53 -1.10	61.93 5.33 -2.22	66.40 5.69 -2.04	71.97 7.41 -2.77	110.51 8.09 -36.68	167.28 9.21 -83.20	111.47 7.46 -28.62	77.84 6.10 -0.81	70.50 5.05 -2.34	63.22 3.54 -1.58	53.89 2.95 -0.10	47.99 2.03 0.16
HOLTSVILLE_IC_4 23693	48.16 3.07 0.00	45.84 4.01 -0.01	39.10 3.65 0.00	36.27 3.00 0.00	35.47 2.75 0.00	39.12 2.76 0.00	43.15 3.34 0.00	45.85 4.32 -0.01	47.18 3.93 0.00	47.74 4.25 -0.17	46.92 3.51 -0.55	51.95 4.06 -0.12	57.10 4.53 -1.10	61.93 5.33 -2.22	66.40 5.69 -2.04	71.97 7.41 -2.77	110.51 8.09 -36.68	167.28 9.21 -83.20	111.47 7.46 -28.62	77.84 6.10 -0.81	70.50 5.05 -2.34	63.22 3.54 -1.58	53.89 2.95 -0.10	47.99 2.03 0.16
HOLTSVILLE_IC_5 23694	48.16 3.07 0.00	45.84 4.01 -0.01	39.10 3.65 0.00	36.27 3.00 0.00	35.47 2.75 0.00	39.12 2.76 0.00	43.15 3.34 0.00	45.85 4.32 -0.01	47.18 3.93 0.00	47.74 4.25 -0.17	46.92 3.51 -0.55	51.95 4.06 -0.12	57.10 4.53 -1.10	61.93 5.33 -2.22	66.40 5.69 -2.04	71.97 7.41 -2.77	110.51 8.09 -36.68	167.28 9.21 -83.20	111.47 7.46 -28.62	77.84 6.10 -0.81	70.50 5.05 -2.34	63.22 3.54 -1.58	53.89 2.95 -0.10	47.99 2.03 0.16
HOLTSVILLE_IC_6 23695	48.48 3.38 0.00	46.09 4.27 -0.01	39.32 3.86 0.00	36.44 3.16 0.00	35.63 2.91 0.00	39.31 2.94 0.00	43.35 3.54 0.00	46.10 4.57 -0.01	47.44 4.19 0.00	48.04 4.55 -0.17	47.29 3.90 -0.53	52.28 4.49 -0.02	57.68 5.05 -1.17	62.67 5.93 -2.37	67.46 6.34 -2.46	72.83 8.09 -2.94	131.52 8.87 -56.90	196.55 10.10 -111.57	132.09 8.29 -48.42	78.77 6.96 -0.88	71.31 5.68 -2.53	63.81 4.07 -1.65	54.18 3.35 0.01	48.31 2.40 0.20
HOLTSVILLE_IC_7 23696	48.48 3.38 0.00	46.09 4.27 -0.01	39.32 3.86 0.00	36.44 3.16 0.00	35.63 2.91 0.00	39.31 2.94 0.00	43.35 3.54 0.00	46.10 4.57 -0.01	47.44 4.19 0.00	48.04 4.55 -0.17	47.29 3.90 -0.53	52.28 4.49 -0.02	57.68 5.05 -1.17	62.67 5.93 -2.37	67.46 6.34 -2.46	72.83 8.09 -2.94	131.52 8.87 -56.90	196.55 10.10 -111.57	132.09 8.29 -48.42	78.77 6.96 -0.88	71.31 5.68 -2.53	63.81 4.07 -1.65	54.18 3.35 0.01	48.31 2.40 0.20
HOLTSVILLE_IC_8 23697	48.48 3.38 0.00	46.09 4.27 -0.01	39.32 3.86 0.00	36.44 3.16 0.00	35.63 2.91 0.00	39.31 2.94 0.00	43.35 3.54 0.00	46.10 4.57 -0.01	47.44 4.19 0.00	48.04 4.55 -0.17	47.29 3.90 -0.53	52.28 4.49 -0.02	57.68 5.05 -1.17	62.67 5.93 -2.37	67.46 6.34 -2.46	72.83 8.09 -2.94	131.52 8.87 -56.90	196.55 10.10 -111.57	132.09 8.29 -48.42	78.77 6.96 -0.88	71.31 5.68 -2.53	63.81 4.07 -1.65	54.18 3.35 0.01	48.31 2.40 0.20
HOLTSVILLE_IC_9 23698	48.48 3.38 0.00	46.09 4.27 -0.01	39.32 3.86 0.00	36.44 3.16 0.00	35.63 2.91 0.00	39.31 2.94 0.00	43.35 3.54 0.00	46.10 4.57 -0.01	47.44 4.19 0.00	48.04 4.55 -0.17	47.29 3.90 -0.53	52.28 4.49 -0.02	57.68 5.05 -1.17	62.67 5.93 -2.37	67.46 6.34 -2.46	72.83 8.09 -2.94	131.52 8.87 -56.90	196.55 10.10 -111.57	132.09 8.29 -48.42	78.77 6.96 -0.88	71.31 5.68 -2.53	63.81 4.07 -1.65	54.18 3.35 0.01	48.31 2.40 0.20
HOMER_HL_115KV_TB2 355744	44.46 -0.63 0.00	41.15 -0.67 0.00	35.17 -0.28 0.00	32.21 -1.06 0.00	31.84 -0.88 0.00	35.05 -1.31 0.00	38.14 -1.67 0.00	39.78 -1.74 0.00	42.03 -1.21 0.00	43.15 -0.17 0.00	42.94 0.09 0.00	47.87 0.10 0.00	51.67 0.21 0.00	54.16 -0.22 0.00	58.32 -0.35 0.00	59.26 -2.53 0.00	64.63 -1.12 0.00	72.86 -2.02 0.00	73.12 -2.26 0.00	70.37 -0.57 0.00	62.54 -0.57 0.00	58.27 0.17 0.00	50.79 -0.05 0.00	45.84 -0.28 0.00
HOWARD_WT_PWR 323690	45.68 0.58 0.00	42.07 0.25 0.00	35.91 0.46 0.00	33.08 -0.20 0.00	32.56 -0.16 0.00	35.96 -0.40 0.00	39.25 -0.56 0.00	40.85 -0.67 0.00	43.12 -0.13 0.00	43.50 0.17 0.00	43.16 0.30 0.00	48.01 0.24 0.00	51.62 0.15 0.00	53.94 -0.44 0.00	57.79 -0.88 0.00	60.43 -1.36 0.00	65.03 -0.72 0.00	73.90 -0.98 0.00	74.93 -0.45 0.00	72.28 1.34 0.00	64.49 1.39 0.00	59.43 1.34 0.00	52.21 1.37 0.00	47.04 0.92 0.00
HQ_GEN_CEDARS 23644	45.27 0.18 0.00	42.07 0.25 0.00	35.10 -0.35 0.00	33.01 -0.27 0.00	32.46 -0.26 0.00	36.54 0.18 0.00	40.01 0.20 0.00	41.73 0.21 0.00	43.46 0.22 0.00	43.50 0.17 0.00	43.07 0.21 0.00	47.82 0.05 0.00	51.21 -0.26 0.00	54.11 -0.27 0.00	58.38 -0.29 0.00	61.30 -0.49 0.00	64.57 -1.18 0.00	73.61 -1.27 0.00	74.25 -1.13 0.00	69.94 -0.99 0.00	62.22 -0.88 0.00	58.04 -0.06 0.00	50.99 0.15 0.00	46.53 0.42 0.00
HQ_GEN_CEDARS_PROXY 323590	45.27 0.18 0.00	42.07 0.25 0.00	35.10 -0.35 0.00	32.97 -0.30 0.00	32.46 -0.26 0.00	36.54 0.18 0.00	40.01 0.20 0.00	41.73 0.21 0.00	43.46 0.22 0.00	43.50 0.17 0.00	43.07 0.22 0.00	47.82 0.05 0.00	51.21 -0.26 0.00	54.11 -0.27 0.00	58.38 -0.29 0.00	60.87 -0.93 0.00	64.50 -1.25 0.00	73.60 -1.27 0.00	74.25 -1.13 0.00	69.94 -0.99 0.00	62.22 -0.88 0.00	58.04 -0.06 0.00	51.70 -0.70 0.00	45.82 0.41 0.70

HQ_GEN_IMPORT 323601	44.82 -0.27 0.00	41.57 -0.25 0.00	34.92 -0.53 0.00	32.81 -0.47 0.00	32.26 -0.46 0.00	36.15 -0.22 0.00	39.61 -0.20 0.00	41.31 -0.21 0.00	43.03 -0.22 0.00	43.07 -0.26 0.00	42.64 -0.21 0.00	47.44 -0.33 0.00	51.05 -0.41 0.00	53.89 -0.49 0.00	58.08 -0.59 0.00	60.74 -1.05 0.00	64.57 -1.18 0.00	73.60 -1.27 0.00	74.17 -1.21 0.00	69.73 -1.21 0.00	62.03 -1.07 0.00	57.63 -0.47 0.00	51.24 -0.30 -0.70	45.23 -0.18 0.70
HQ_GEN_WHEEL 23651	44.82 -0.27 0.00	41.57 -0.25 0.00	34.92 -0.53 0.00	32.81 -0.47 0.00	32.26 -0.46 0.00	36.15 -0.22 0.00	39.61 -0.20 0.00	41.31 -0.21 0.00	43.03 -0.22 0.00	43.07 -0.26 0.00	42.64 -0.21 0.00	47.44 -0.33 0.00	51.05 -0.41 0.00	53.89 -0.49 0.00	58.08 -0.59 0.00	60.74 -1.05 0.00	64.57 -1.18 0.00	73.60 -1.27 0.00	74.17 -1.21 0.00	69.73 -1.21 0.00	62.03 -1.07 0.00	57.63 -0.47 0.00	51.24 -0.30 -0.70	45.23 -0.18 0.70
HUDSON AVE_GT_3 23810	48.56 3.47 0.00	45.04 3.22 0.00	38.68 3.23 0.00	36.14 2.86 0.00	35.44 2.72 0.00	39.02 2.65 0.00	42.95 3.14 0.00	45.26 3.74 0.00	47.32 3.81 -0.27	51.28 3.86 -4.10	51.61 3.73 -5.02	53.23 4.30 -1.16	56.40 4.73 -0.20	60.11 5.27 -0.45	64.70 5.57 -0.46	69.39 6.86 -0.74	83.27 8.09 -9.43	84.04 8.99 -0.17	82.62 7.24 0.00	76.75 5.82 0.00	67.90 4.80 0.00	61.29 3.20 0.00	53.94 3.10 0.00	49.07 2.95 0.00
HUDSON AVE_GT_4 23540	48.56 3.47 0.00	45.04 3.22 0.00	38.68 3.23 0.00	36.14 2.86 0.00	35.44 2.72 0.00	39.02 2.65 0.00	42.95 3.14 0.00	45.26 3.74 0.00	47.32 3.81 -0.27	51.28 3.86 -4.10	51.61 3.73 -5.02	53.23 4.30 -1.16	56.40 4.73 -0.20	60.11 5.27 -0.45	64.70 5.57 -0.46	69.39 6.86 -0.74	83.27 8.09 -9.43	84.04 8.99 -0.17	82.62 7.24 0.00	76.75 5.82 0.00	67.90 4.80 0.00	61.29 3.20 0.00	53.94 3.10 0.00	49.07 2.95 0.00
HUDSON AVE_GT_5 23657	48.56 3.47 0.00	45.04 3.22 0.00	38.68 3.23 0.00	36.14 2.86 0.00	35.44 2.72 0.00	39.02 2.65 0.00	42.95 3.14 0.00	45.26 3.74 0.00	47.32 3.81 -0.27	51.28 3.86 -4.10	51.61 3.73 -5.02	53.23 4.30 -1.16	56.40 4.73 -0.20	60.11 5.27 -0.45	64.70 5.57 -0.46	69.39 6.86 -0.74	83.27 8.09 -9.43	84.04 8.99 -0.17	82.62 7.24 0.00	76.75 5.82 0.00	67.90 4.80 0.00	61.29 3.20 0.00	53.94 3.10 0.00	49.07 2.95 0.00
HUDSON_AVE_10 24168	48.47 3.38 0.00	44.95 3.14 0.00	38.61 3.16 0.00	36.04 2.76 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.91 3.11 0.00	45.22 3.70 0.00	47.32 3.81 -0.27	51.28 3.86 -4.10	51.52 3.64 -5.02	53.14 4.20 -1.16	56.30 4.63 -0.20	59.94 5.11 -0.45	64.53 5.40 -0.46	69.33 6.80 -0.74	83.20 8.02 -9.43	83.96 8.91 -0.17	82.54 7.16 0.00	76.61 5.67 0.00	67.84 4.73 0.00	61.18 3.08 0.00	53.89 3.05 0.00	48.97 2.86 0.00
HUDSON___115KV_TB 4 355613	46.63 1.53 0.00	43.20 1.38 0.00	36.94 1.49 0.00	34.84 1.56 0.00	34.19 1.47 0.00	37.60 1.24 0.00	41.20 1.39 0.00	42.93 1.41 0.00	44.41 1.17 0.00	44.10 0.78 0.00	43.61 0.94 0.18	48.63 1.05 0.19	52.72 1.34 0.08	55.87 1.69 0.19	60.41 1.94 0.19	64.06 2.53 0.27	68.45 2.70 0.00	78.25 3.37 0.00	78.25 2.86 0.00	73.49 2.55 0.00	65.51 2.40 0.00	59.72 1.63 0.00	52.06 1.22 0.00	47.36 1.25 0.00
HUNTER MOUNT___DRP 323613	46.76 1.67 0.00	43.36 1.55 0.00	37.01 1.56 0.00	34.90 1.63 0.00	34.29 1.57 0.00	37.71 1.35 0.00	41.32 1.51 0.00	42.97 1.45 0.00	44.46 1.21 0.00	44.02 0.69 0.00	43.86 1.11 0.10	48.86 1.19 0.11	52.96 1.54 0.05	56.12 1.85 0.11	60.79 2.23 0.11	64.42 2.78 0.15	68.32 2.56 0.00	78.17 3.29 0.00	78.32 2.94 0.00	73.63 2.70 0.00	65.70 2.59 0.00	59.90 1.80 0.00	52.21 1.37 0.00	47.45 1.34 0.00
HUNTINGTON_RES_REC 323705	47.89 2.80 0.00	45.71 3.89 -0.01	39.07 3.62 0.00	36.23 2.96 0.00	35.44 2.71 0.00	39.09 2.73 0.00	43.11 3.30 0.00	45.77 4.24 -0.01	47.01 3.76 0.00	47.52 4.03 -0.17	46.60 3.38 -0.36	50.61 4.01 1.17	56.89 4.58 -0.85	61.81 5.33 -2.11	69.70 5.69 -5.35	72.01 7.54 -2.68	321.81 8.28 -247.77	515.22 9.43 -430.91	325.77 7.69 -242.69	77.99 6.17 -0.89	70.64 5.05 -2.48	62.25 3.49 -0.67	52.36 2.95 1.43	47.47 1.94 0.58
HUNTLEY___63 23557	45.05 -0.05 0.00	41.73 -0.08 0.00	35.66 0.21 0.00	32.48 -0.80 0.00	32.00 -0.72 0.00	35.27 -1.09 0.00	37.98 -1.83 0.00	39.28 -2.24 0.00	41.60 -1.64 0.00	42.63 -0.69 0.00	42.51 -0.34 0.00	47.34 -0.43 0.00	51.10 -0.36 0.00	53.45 -0.92 0.00	57.61 -1.06 0.00	59.20 -2.60 0.00	64.37 -1.38 0.00	72.18 -2.70 0.00	72.67 -2.71 0.00	69.87 -1.06 0.00	62.16 -0.95 0.00	57.34 -0.76 0.00	50.38 -0.46 0.00	45.93 -0.18 0.00
HUNTLEY___64 23558	45.05 -0.05 0.00	41.73 -0.08 0.00	35.66 0.21 0.00	32.48 -0.80 0.00	32.00 -0.72 0.00	35.27 -1.09 0.00	37.98 -1.83 0.00	39.28 -2.24 0.00	41.60 -1.64 0.00	42.63 -0.69 0.00	42.51 -0.34 0.00	47.34 -0.43 0.00	51.10 -0.36 0.00	53.45 -0.92 0.00	57.61 -1.06 0.00	59.20 -2.60 0.00	64.37 -1.38 0.00	72.18 -2.70 0.00	72.67 -2.71 0.00	69.87 -1.06 0.00	62.16 -0.95 0.00	57.34 -0.76 0.00	50.38 -0.46 0.00	45.93 -0.18 0.00
HUNTLEY___65 23559	45.05 -0.05 0.00	41.73 -0.08 0.00	35.66 0.21 0.00	32.48 -0.80 0.00	32.00 -0.72 0.00	35.27 -1.09 0.00	37.98 -1.83 0.00	39.28 -2.24 0.00	41.60 -1.64 0.00	42.63 -0.69 0.00	42.51 -0.34 0.00	47.34 -0.43 0.00	51.10 -0.36 0.00	53.45 -0.92 0.00	57.61 -1.06 0.00	59.20 -2.60 0.00	64.37 -1.38 0.00	72.18 -2.70 0.00	72.67 -2.71 0.00	69.87 -1.06 0.00	62.16 -0.95 0.00	57.34 -0.76 0.00	50.38 -0.46 0.00	45.93 -0.18 0.00
HUNTLEY___66 23560	45.05 -0.05 0.00	41.73 -0.08 0.00	35.66 0.21 0.00	32.48 -0.80 0.00	32.00 -0.72 0.00	35.27 -1.09 0.00	37.98 -1.83 0.00	39.28 -2.24 0.00	41.60 -1.64 0.00	42.63 -0.69 0.00	42.51 -0.34 0.00	47.34 -0.43 0.00	51.10 -0.36 0.00	53.45 -0.92 0.00	57.61 -1.06 0.00	59.20 -2.60 0.00	64.37 -1.38 0.00	72.18 -2.70 0.00	72.67 -2.71 0.00	69.87 -1.06 0.00	62.16 -0.95 0.00	57.34 -0.76 0.00	50.38 -0.46 0.00	45.93 -0.18 0.00
HUNTLEY___67 23561	44.64 -0.45 0.00	41.48 -0.33 0.00	35.42 -0.04 0.00	32.31 -0.96 0.00	31.84 -0.88 0.00	35.09 -1.27 0.00	37.86 -1.95 0.00	39.15 -2.37 0.00	41.43 -1.82 0.00	42.46 -0.87 0.00	42.30 -0.56 0.00	47.10 -0.67 0.00	50.79 -0.67 0.00	53.18 -1.20 0.00	57.26 -1.41 0.00	58.89 -2.90 0.00	64.04 -1.71 0.00	72.03 -2.85 0.00	72.44 -2.94 0.00	69.59 -1.35 0.00	61.85 -1.26 0.00	57.05 -1.05 0.00	50.13 -0.71 0.00	45.65 -0.46 0.00
HUNTLEY___68 23562	44.64 -0.45 0.00	41.48 -0.33 0.00	35.42 -0.04 0.00	32.31 -0.96 0.00	31.84 -0.88 0.00	35.09 -1.27 0.00	37.86 -1.95 0.00	39.15 -2.37 0.00	41.43 -1.82 0.00	42.46 -0.87 0.00	42.30 -0.56 0.00	47.10 -0.67 0.00	50.79 -0.67 0.00	53.18 -1.20 0.00	57.26 -1.41 0.00	58.89 -2.90 0.00	64.04 -1.71 0.00	72.03 -2.85 0.00	72.44 -2.94 0.00	69.59 -1.35 0.00	61.85 -1.26 0.00	57.05 -1.05 0.00	50.13 -0.71 0.00	45.65 -0.46 0.00



HYLAND___LFGE 323620	47.62 2.52 0.00	43.82 2.01 0.00	37.33 1.88 0.00	34.27 1.00 0.00	33.80 1.08 0.00	37.34 0.98 0.00	40.56 0.75 0.00	41.98 0.46 0.00	43.81 0.56 0.00	43.85 0.52 0.00	43.28 0.43 0.00	48.01 0.24 0.00	51.77 0.31 0.00	54.11 -0.27 0.00	56.44 -2.23 0.00	59.87 -1.92 0.00	64.70 -1.05 0.00	73.83 -1.05 0.00	75.23 -0.15 0.00	73.21 2.27 0.00	65.57 2.46 0.00	60.54 2.44 0.00	54.50 3.66 0.00	48.93 2.81 0.00
INDECK___CORINTH 23802	46.90 1.81 0.00	43.61 1.80 0.00	37.19 1.74 0.00	34.87 1.60 0.00	34.29 1.57 0.00	37.96 1.60 0.00	41.52 1.71 0.00	43.39 1.87 0.00	44.89 1.64 0.00	44.71 1.39 0.00	43.57 1.03 0.32	48.49 1.05 0.33	52.55 1.23 0.14	55.52 1.47 0.33	60.27 1.93 0.33	64.17 2.84 0.46	68.91 3.16 0.00	78.92 4.04 0.00	79.38 3.99 0.00	74.55 3.62 0.00	66.83 3.72 0.00	60.77 2.67 0.00	52.72 1.88 0.00	47.68 1.57 0.00
INDECK___ILION 23567	45.72 0.63 0.00	42.40 0.59 0.00	36.05 0.60 0.00	33.84 0.57 0.00	33.31 0.59 0.00	36.94 0.58 0.00	40.45 0.64 0.00	42.18 0.66 0.00	43.94 0.69 0.00	43.97 0.65 0.00	43.41 0.56 0.00	48.39 0.62 0.00	52.13 0.67 0.00	55.14 0.76 0.00	59.49 0.82 0.00	62.66 0.87 0.00	66.74 0.99 0.00	75.93 1.05 0.00	76.44 1.06 0.00	71.93 0.99 0.00	64.12 1.01 0.00	58.91 0.81 0.00	51.55 0.71 0.00	46.71 0.60 0.00
INDECK___OLEAN 23982	44.64 -0.45 0.00	41.15 -0.67 0.00	35.17 -0.28 0.00	32.34 -0.93 0.00	31.84 -0.88 0.00	35.05 -1.31 0.00	38.14 -1.67 0.00	39.78 -1.74 0.00	42.21 -1.04 0.00	43.19 -0.13 0.00	43.03 0.17 0.00	47.87 0.10 0.00	51.72 0.26 0.00	54.16 -0.22 0.00	58.26 -0.41 0.00	60.93 -0.87 0.00	65.42 -0.33 0.00	73.83 -1.05 0.00	74.25 -1.13 0.00	71.44 0.50 0.00	63.42 0.32 0.00	58.27 0.17 0.00	51.04 0.20 0.00	45.84 -0.28 0.00
INDECK___OSWEGO 23783	44.28 -0.81 0.00	40.98 -0.84 0.00	34.88 -0.57 0.00	32.61 -0.67 0.00	32.10 -0.62 0.00	35.56 -0.80 0.00	38.93 -0.88 0.00	40.61 -0.91 0.00	42.38 -0.86 0.00	42.50 -0.82 0.00	42.08 -0.77 0.00	46.91 -0.86 0.00	50.59 -0.88 0.00	53.34 -1.03 0.00	57.09 -1.58 0.00	60.13 -1.67 0.00	64.04 -1.71 0.00	72.93 -1.95 0.00	73.35 -2.03 0.00	69.38 -1.56 0.00	61.59 -1.52 0.00	56.70 -1.39 0.00	51.58 -0.86 -1.60	45.19 -0.92 0.00
INDECK___YERKES 23781	45.36 0.27 0.00	41.82 0.00 0.00	35.70 0.25 0.00	32.61 -0.67 0.00	32.03 -0.69 0.00	35.31 -1.06 0.00	37.98 -1.83 0.00	39.28 -2.24 0.00	41.95 -1.30 0.00	42.68 -0.65 0.00	42.64 -0.21 0.00	47.39 -0.38 0.00	51.26 -0.21 0.00	53.56 -0.81 0.00	57.67 -1.00 0.00	59.94 -1.85 0.00	64.57 -1.18 0.00	72.41 -2.47 0.00	72.97 -2.42 0.00	70.16 -0.78 0.00	62.41 -0.69 0.00	57.40 -0.69 0.00	50.84 0.00 0.00	45.98 -0.14 0.00
INDIAN POINT_GT_1 24139	47.89 2.80 0.00	44.45 2.63 0.00	38.18 2.73 0.00	35.70 2.43 0.00	35.05 2.32 0.00	38.58 2.22 0.00	42.40 2.59 0.00	44.55 3.03 0.00	46.24 2.98 -0.01	46.48 3.03 -0.12	46.33 2.91 -0.56	51.64 3.39 -0.48	55.52 3.86 -0.20	59.23 4.40 -0.45	63.76 4.63 -0.45	68.11 5.68 -0.64	72.80 6.77 -0.28	82.45 7.56 -0.01	81.34 5.96 0.00	75.76 4.82 0.00	67.21 4.10 0.00	60.77 2.67 0.00	53.28 2.44 0.00	48.37 2.26 0.00
INDIAN POINT_GT_2 23659	47.89 2.80 0.00	44.45 2.63 0.00	38.18 2.73 0.00	35.70 2.43 0.00	35.05 2.32 0.00	38.58 2.22 0.00	42.40 2.59 0.00	44.55 3.03 0.00	46.24 2.98 -0.01	46.48 3.03 -0.12	46.33 2.91 -0.56	51.64 3.39 -0.48	55.52 3.86 -0.20	59.23 4.40 -0.45	63.76 4.63 -0.45	68.11 5.68 -0.64	72.80 6.77 -0.28	82.45 7.56 -0.01	81.34 5.96 0.00	75.76 4.82 0.00	67.21 4.10 0.00	60.77 2.67 0.00	53.28 2.44 0.00	48.37 2.26 0.00
INDIAN POINT_GT_3 24019	47.89 2.80 0.00	44.45 2.63 0.00	38.18 2.73 0.00	35.70 2.43 0.00	35.05 2.32 0.00	38.58 2.22 0.00	42.40 2.59 0.00	44.55 3.03 0.00	46.24 2.98 -0.01	46.48 3.03 -0.12	46.33 2.91 -0.56	51.64 3.39 -0.48	55.52 3.86 -0.20	59.23 4.40 -0.45	63.76 4.63 -0.45	68.11 5.68 -0.64	72.80 6.77 -0.28	82.45 7.56 -0.01	81.34 5.96 0.00	75.76 4.82 0.00	67.21 4.10 0.00	60.77 2.67 0.00	53.28 2.44 0.00	48.37 2.26 0.00
INDIAN POINT___2 23530	47.75 2.66 0.00	44.41 2.59 0.00	38.14 2.69 0.00	35.67 2.40 0.00	35.01 2.29 0.00	38.54 2.18 0.00	42.36 2.55 0.00	44.51 2.99 0.00	46.11 2.85 -0.01	46.43 2.99 -0.12	46.28 2.87 -0.55	51.58 3.34 -0.46	55.41 3.75 -0.19	59.06 4.24 -0.44	63.63 4.52 -0.44	68.53 6.12 -0.62	72.66 6.64 -0.27	82.30 7.41 0.00	81.11 5.73 0.00	75.62 4.68 0.00	67.09 3.98 0.00	60.65 2.55 0.00	53.13 2.29 0.00	48.28 2.17 0.00
INDIAN POINT___3 23531	47.80 2.71 0.00	44.41 2.59 0.00	38.11 2.66 0.00	35.67 2.40 0.00	35.01 2.29 0.00	38.51 2.15 0.00	42.36 2.55 0.00	44.47 2.95 0.00	46.15 2.90 -0.01	46.38 2.95 -0.11	46.24 2.83 -0.55	51.54 3.30 -0.48	55.42 3.76 -0.20	59.07 4.24 -0.45	63.58 4.46 -0.45	67.93 5.50 -0.64	72.59 6.58 -0.26	82.22 7.34 0.00	81.11 5.73 0.00	75.62 4.68 0.00	67.02 3.91 0.00	60.65 2.56 0.00	53.18 2.34 0.00	48.28 2.17 0.00
INGHAM_C_115KV_TB7 356103	46.17 1.08 0.00	42.78 0.96 0.00	36.37 0.92 0.00	34.11 0.83 0.00	33.61 0.88 0.00	37.27 0.91 0.00	40.84 1.04 0.00	42.60 1.08 0.00	44.37 1.12 0.00	44.36 1.04 0.00	43.71 0.86 0.00	48.68 0.91 0.00	52.39 0.93 0.00	55.41 1.03 0.00	59.78 1.11 0.00	62.90 1.11 0.00	66.94 1.18 0.00	76.08 1.20 0.00	76.66 1.28 0.00	72.21 1.28 0.00	64.50 1.39 0.00	59.38 1.28 0.00	51.96 1.12 0.00	47.13 1.01 0.00
IP CORINTH___1 23988	47.17 2.07 0.00	43.82 2.01 0.00	37.37 1.91 0.00	35.07 1.80 0.00	34.49 1.77 0.00	38.14 1.78 0.00	41.72 1.91 0.00	43.60 2.08 0.00	45.15 1.90 0.00	44.97 1.65 0.00	43.82 1.29 0.32	48.78 1.34 0.33	52.86 1.54 0.14	55.84 1.79 0.33	60.63 2.29 0.33	64.23 2.90 0.46	69.30 3.55 0.00	79.37 4.49 0.00	79.83 4.45 0.00	74.98 4.04 0.00	67.21 4.10 0.00	61.12 3.02 0.00	53.03 2.19 0.00	47.91 1.80 0.00
IP___TICONDEROGA 23804	48.84 3.74 0.00	45.33 3.51 0.00	38.43 2.98 0.00	35.97 2.70 0.00	35.44 2.72 0.00	39.42 3.05 0.00	42.99 3.18 0.00	45.05 3.53 0.00	46.58 3.33 0.00	46.14 2.82 0.00	45.02 2.49 0.32	50.11 2.68 0.33	54.36 3.04 0.14	57.64 3.59 0.33	62.86 4.52 0.33	66.64 5.31 0.46	72.06 6.31 0.00	82.96 8.09 0.00	83.45 8.07 0.00	78.60 7.66 0.00	70.74 7.64 0.00	64.20 6.10 0.00	55.26 4.42 0.00	49.76 3.64 0.00
ISLIP_RES_REC 323679	48.79 3.70 0.00	46.38 4.56 -0.01	39.53 4.08 0.00	36.63 3.36 0.00	35.80 3.07 0.00	39.52 3.16 0.00	43.59 3.78 0.00	46.34 4.81 -0.01	47.75 4.50 0.00	48.38 4.89 -0.17	47.67 4.28 -0.53	52.81 4.97 -0.07	58.25 5.56 -1.23	63.36 6.52 -2.46	68.09 6.98 -2.44	73.70 8.84 -3.07	128.00 9.67 -52.58	187.21 10.93 -101.40	127.98 9.12 -43.47	79.52 7.66 -0.92	72.07 6.31 -2.66	64.54 4.65 -1.79	54.70 3.81 -0.04	48.64 2.72 0.20

JAMAICA__27_KV_LOAD 355505	48.88 3.79 0.00	45.29 3.47 0.00	38.89 3.44 0.00	36.27 2.99 0.00	35.57 2.85 0.00	39.20 2.84 0.00	43.23 3.42 0.00	45.59 4.07 0.00	47.94 4.37 -0.32	52.66 4.42 -4.91	51.95 4.07 -5.02	53.57 4.63 -1.16	56.66 4.99 -0.20	60.43 5.60 -0.45	65.05 5.93 -0.46	70.07 7.54 -0.74	84.06 8.88 -9.43	85.01 9.96 -0.17	83.37 7.99 0.00	77.39 6.46 0.00	68.53 5.43 0.00	61.64 3.54 0.00	54.45 3.61 0.00	49.48 3.37 0.00
JANIS__SOLAR 323808	47.21 2.12 0.00	43.61 1.80 0.00	37.12 1.67 0.00	34.61 1.33 0.00	34.13 1.41 0.00	37.89 1.53 0.00	41.52 1.71 0.00	43.18 1.66 0.00	44.98 1.73 0.00	44.93 1.60 0.00	44.25 1.33 -0.07	49.35 1.57 0.00	53.11 1.65 0.00	56.12 1.74 0.00	60.49 1.82 0.00	63.77 1.98 0.00	68.19 2.43 0.00	77.95 3.07 0.00	79.23 3.84 0.00	75.48 4.54 0.00	67.27 4.16 0.00	61.76 3.66 0.00	53.69 2.85 0.00	48.37 2.26 0.00
JARVIS____ 23743	45.36 0.27 0.00	42.07 0.25 0.00	35.77 0.32 0.00	33.61 0.33 0.00	33.05 0.33 0.00	36.62 0.26 0.00	40.09 0.28 0.00	41.81 0.29 0.00	43.55 0.30 0.00	43.59 0.26 0.00	43.11 0.26 0.00	48.06 0.29 0.00	51.83 0.36 0.00	54.76 0.38 0.00	59.08 0.41 0.00	62.47 0.68 0.00	66.48 0.72 0.00	75.63 0.75 0.00	75.98 0.60 0.00	71.50 0.56 0.00	63.67 0.57 0.00	58.45 0.35 0.00	51.10 0.26 0.00	46.30 0.19 0.00
JENNISON____1 23625	47.48 2.39 0.00	43.91 2.09 0.00	37.44 1.99 0.00	34.97 1.70 0.00	34.52 1.80 0.00	38.29 1.93 0.00	41.96 2.15 0.00	43.89 2.37 0.00	45.80 2.55 0.00	45.84 2.51 0.00	45.22 2.27 -0.09	50.37 2.53 -0.07	54.22 2.73 -0.03	57.43 2.99 -0.06	61.96 3.23 -0.07	64.91 3.03 -0.09	69.63 3.88 0.00	79.30 4.42 0.00	80.13 4.75 0.00	75.90 4.97 0.00	67.71 4.61 0.00	62.05 3.95 0.00	53.89 3.05 0.00	48.60 2.49 0.00
JENNISON____2 23626	47.48 2.39 0.00	43.91 2.09 0.00	37.44 1.99 0.00	34.97 1.70 0.00	34.52 1.80 0.00	38.29 1.93 0.00	41.96 2.15 0.00	43.89 2.37 0.00	45.80 2.55 0.00	45.84 2.51 0.00	45.22 2.27 -0.09	50.37 2.53 -0.07	54.22 2.73 -0.03	57.43 2.99 -0.06	61.96 3.23 -0.07	64.91 3.03 -0.09	69.63 3.88 0.00	79.30 4.42 0.00	80.13 4.75 0.00	75.90 4.97 0.00	67.71 4.61 0.00	62.05 3.95 0.00	53.89 3.05 0.00	48.60 2.49 0.00
JERICOHO_RISE_WT_PWR 323719	44.19 -0.90 0.00	41.07 -0.75 0.00	34.35 -1.10 0.00	32.34 -0.93 0.00	31.87 -0.85 0.00	35.85 -0.51 0.00	39.29 -0.52 0.00	41.02 -0.50 0.00	42.77 -0.47 0.00	42.81 -0.52 0.00	42.38 -0.47 0.00	46.86 -0.91 0.00	50.23 -1.24 0.00	52.69 -1.69 0.00	56.79 -1.88 0.00	59.32 -2.47 0.00	63.12 -2.63 0.00	72.19 -2.69 0.00	72.90 -2.49 0.00	68.60 -2.34 0.00	60.96 -2.15 0.00	56.82 -1.28 0.00	50.08 -0.76 0.00	45.79 -0.32 0.00
KATONAH__115KV_46KV_TB4 355592	48.16 3.07 0.00	44.70 2.89 0.00	38.32 2.87 0.00	35.87 2.60 0.00	35.21 2.49 0.00	38.76 2.40 0.00	42.60 2.79 0.00	44.72 3.20 0.00	46.49 3.24 0.00	46.57 3.25 0.00	46.46 3.17 -0.43	51.96 3.73 -0.46	55.99 4.32 -0.20	59.67 4.84 -0.45	64.29 5.16 -0.46	68.61 6.18 -0.64	73.05 7.30 0.00	82.89 8.01 0.00	81.94 6.56 0.00	76.26 5.32 0.00	67.65 4.54 0.00	61.18 3.08 0.00	53.59 2.75 0.00	48.60 2.49 0.00
KCE_NY_1 323755	47.48 2.39 0.00	44.07 2.26 0.00	37.61 2.16 0.00	35.34 2.06 0.00	34.72 2.00 0.00	38.32 1.96 0.00	41.96 2.15 0.00	43.76 2.24 0.00	45.32 2.08 0.00	45.19 1.86 0.00	44.23 1.72 0.34	49.33 1.91 0.36	53.47 2.16 0.15	56.53 2.50 0.35	61.25 2.93 0.35	65.19 3.90 0.50	69.96 4.21 0.00	79.97 5.09 0.00	79.91 4.52 0.00	75.12 4.18 0.00	67.15 4.04 0.00	61.12 3.02 0.00	53.18 2.34 0.00	48.14 2.03 0.00
KCE_NY_6_ESR 323823	45.32 0.23 0.00	41.86 0.04 0.00	35.73 0.28 0.00	32.71 -0.57 0.00	32.17 -0.56 0.00	35.38 -0.98 0.00	38.26 -1.55 0.00	39.65 -1.87 0.00	42.25 -0.99 0.00	43.02 -0.30 0.00	42.94 0.09 0.00	47.77 0.00 0.00	51.67 0.21 0.00	53.94 -0.44 0.00	58.08 -0.59 0.00	60.49 -1.30 0.00	65.09 -0.66 0.00	73.23 -1.65 0.00	73.88 -1.51 0.00	71.01 0.07 0.00	63.04 -0.06 0.00	57.98 -0.12 0.00	51.20 0.36 0.00	46.21 0.09 0.00
KEDC_PORT_JEFF_GT2 24210	48.34 3.25 0.00	46.01 4.18 -0.01	39.25 3.80 0.00	36.37 3.10 0.00	35.54 2.81 0.00	39.23 2.87 0.00	43.27 3.46 0.00	45.97 4.44 -0.01	47.31 4.06 0.00	47.91 4.42 -0.17	47.10 3.73 -0.52	51.96 4.25 0.07	57.34 4.73 -1.14	62.30 5.60 -2.32	66.93 5.63 -2.63	72.08 7.41 -2.87	143.19 8.15 -69.29	218.61 9.28 -134.45	144.18 7.46 -61.34	77.89 6.10 -0.86	70.48 4.93 -2.45	63.22 3.60 -1.52	53.82 3.10 0.12	48.10 2.21 0.22
KEDC_PORT_JEFF_GT3 24211	48.34 3.25 0.00	46.01 4.18 -0.01	39.25 3.80 0.00	36.37 3.10 0.00	35.54 2.81 0.00	39.23 2.87 0.00	43.27 3.46 0.00	45.97 4.44 -0.01	47.31 4.06 0.00	47.91 4.42 -0.17	47.10 3.73 -0.52	51.96 4.25 0.07	57.34 4.73 -1.14	62.30 5.60 -2.32	66.93 5.63 -2.63	72.08 7.41 -2.87	143.19 8.15 -69.29	218.61 9.28 -134.45	144.18 7.46 -61.34	77.89 6.10 -0.86	70.48 4.93 -2.45	63.22 3.60 -1.52	53.82 3.10 0.12	48.10 2.21 0.22
KEDC_GLWD_GT4 24219	48.48 3.38 0.00	45.42 3.60 -0.01	38.93 3.48 0.00	36.27 3.00 0.00	35.54 2.81 0.00	39.12 2.76 0.00	43.07 3.27 0.00	45.47 3.95 -0.01	47.14 3.89 0.00	47.52 4.03 -0.17	47.37 3.90 -0.62	52.80 4.54 -0.49	60.68 4.89 -4.33	68.15 5.33 -8.44	70.14 5.75 -5.72	79.71 7.41 -10.50	89.45 8.02 -15.68	102.85 8.98 -18.99	85.37 7.31 -2.68	80.56 6.03 -3.60	78.85 5.05 -10.69	70.26 3.54 -8.62	57.31 3.30 -3.17	48.94 2.81 -0.01
KEDC_GLWD_GT5 24220	48.48 3.38 0.00	45.42 3.60 -0.01	38.93 3.48 0.00	36.27 3.00 0.00	35.54 2.81 0.00	39.12 2.76 0.00	43.07 3.27 0.00	45.47 3.95 -0.01	47.14 3.89 0.00	47.52 4.03 -0.17	47.37 3.90 -0.62	52.80 4.54 -0.49	60.68 4.89 -4.33	68.15 5.33 -8.44	70.14 5.75 -5.72	79.71 7.41 -10.50	89.45 8.02 -15.68	102.85 8.98 -18.99	85.37 7.31 -2.68	80.56 6.03 -3.60	78.85 5.05 -10.69	70.26 3.54 -8.62	57.31 3.30 -3.17	48.94 2.81 -0.01
KENSICO____ 23655	48.07 2.98 0.00	44.62 2.80 0.00	38.32 2.87 0.00	35.84 2.56 0.00	35.14 2.42 0.00	38.69 2.33 0.00	42.56 2.75 0.00	44.72 3.20 0.00	46.46 3.20 -0.01	46.68 3.21 -0.15	46.54 3.09 -0.60	51.84 3.58 -0.49	55.73 4.07 -0.20	59.45 4.62 -0.45	64.00 4.87 -0.46	68.37 5.93 -0.65	73.20 7.10 -0.34	82.82 7.94 -0.01	81.72 6.33 0.00	76.04 5.11 0.00	67.40 4.29 0.00	60.94 2.85 0.00	53.43 2.59 0.00	48.51 2.40 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	48.11 3.02 0.00	44.62 2.80 0.00	38.22 2.77 0.00	35.80 2.53 0.00	35.14 2.42 0.00	38.73 2.36 0.00	42.56 2.75 0.00	44.76 3.24 0.00	46.49 3.24 0.00	46.40 3.08 0.00	46.13 3.00 -0.27	51.28 3.20 -0.30	55.40 3.81 -0.13	59.03 4.35 -0.30	63.61 4.63 -0.30	67.78 5.56 -0.42	72.39 6.64 0.00	82.29 7.41 0.00	81.41 6.03 0.00	76.04 5.11 0.00	67.40 4.29 0.00	61.12 3.02 0.00	53.53 2.69 0.00	48.47 2.35 0.00

KIAC_JFK_GT1 23816	48.52 3.43 0.00	44.95 3.14 0.00	38.64 3.19 0.00	36.00 2.73 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.95 3.14 0.00	45.30 3.78 0.00	47.64 4.07 -0.32	52.35 4.12 -4.91	51.61 3.73 -5.02	53.18 4.25 -1.16	56.24 4.58 -0.20	59.94 5.11 -0.45	64.53 5.40 -0.46	69.58 7.04 -0.74	83.47 8.28 -9.43	84.33 9.28 -0.17	82.70 7.31 0.00	76.75 5.82 0.00	67.97 4.86 0.00	61.12 3.02 0.00	54.04 3.20 0.00	49.07 2.95 0.00
KIAC_JFK_GT2 23817	48.52 3.43 0.00	44.95 3.14 0.00	38.64 3.19 0.00	36.00 2.73 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.95 3.14 0.00	45.30 3.78 0.00	47.64 4.07 -0.32	52.35 4.12 -4.91	51.61 3.73 -5.02	53.18 4.25 -1.16	56.24 4.58 -0.20	59.94 5.11 -0.45	64.53 5.40 -0.46	69.58 7.04 -0.74	83.47 8.28 -9.43	84.33 9.28 -0.17	82.70 7.31 0.00	76.75 5.82 0.00	67.97 4.86 0.00	61.12 3.02 0.00	54.04 3.20 0.00	49.07 2.95 0.00
KIAC_JFK____ 323774	48.48 3.38 0.00	44.95 3.14 0.00	38.64 3.19 0.00	36.00 2.73 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.95 3.14 0.00	45.34 3.82 0.00	47.55 3.98 -0.32	52.36 4.12 -4.91	51.56 3.69 -5.02	53.18 4.25 -1.16	56.19 4.53 -0.20	59.94 5.11 -0.45	64.52 5.39 -0.46	70.13 7.60 -0.74	83.40 8.22 -9.43	84.33 9.28 -0.17	82.62 7.24 0.00	76.68 5.74 0.00	67.97 4.86 0.00	61.12 3.02 0.00	53.99 3.15 0.00	49.11 3.00 0.00
KINTIGH__24_KV_GSU 356498	44.91 -0.18 0.00	41.48 -0.34 0.00	35.38 -0.07 0.00	32.48 -0.80 0.00	31.91 -0.82 0.00	35.20 -1.17 0.00	38.06 -1.75 0.00	39.36 -2.16 0.00	41.86 -1.39 0.00	42.46 -0.87 0.00	42.34 -0.51 0.00	47.10 -0.67 0.00	50.79 -0.67 0.00	53.18 -1.20 0.00	57.32 -1.35 0.00	59.75 -2.04 0.00	64.17 -1.58 0.00	72.41 -2.47 0.00	72.90 -2.49 0.00	69.87 -1.06 0.00	62.03 -1.07 0.00	57.05 -1.04 0.00	50.38 -0.46 0.00	45.61 -0.51 0.00
KINTIGH____ 23543	44.64 -0.45 0.00	41.48 -0.33 0.00	35.38 -0.07 0.00	32.38 -0.90 0.00	31.90 -0.82 0.00	35.20 -1.16 0.00	38.06 -1.75 0.00	39.36 -2.16 0.00	41.60 -1.64 0.00	42.46 -0.87 0.00	42.25 -0.60 0.00	47.10 -0.67 0.00	50.69 -0.77 -1.20	53.18 -1.35 0.00	57.32 -2.60 0.00	59.20 -2.60 0.00	64.11 -1.64 0.00	72.33 -2.55 0.00	72.67 -2.71 0.00	69.66 -1.28 0.00	61.85 -1.26 0.00	57.05 -1.05 0.00	50.13 -0.71 0.00	45.61 -0.51 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	44.64 -0.45 0.00	41.48 -0.33 0.00	34.71 -0.74 0.00	32.68 -0.60 0.00	32.20 -0.52 0.00	36.18 -0.18 0.00	39.69 -0.12 0.00	41.44 -0.08 0.00	43.20 -0.04 0.00	43.28 -0.04 0.00	42.85 0.00 0.00	47.25 -0.53 0.00	50.64 -0.82 0.00	52.85 -1.52 0.00	56.79 -1.88 0.00	59.81 -1.98 0.00	63.19 -2.56 0.00	72.33 -2.55 0.00	73.12 -2.26 0.00	68.74 -2.20 0.00	61.09 -2.02 0.00	56.88 -1.22 0.00	50.28 -0.56 0.00	46.30 0.18 0.00
LACHUTE____HYDRO 323717	48.83 3.74 0.00	45.33 3.51 0.00	38.43 2.98 0.00	35.97 2.69 0.00	35.44 2.71 0.00	39.42 3.05 0.00	42.99 3.19 0.00	45.05 3.53 0.00	46.53 3.29 0.00	46.14 2.81 0.00	44.98 2.44 0.32	50.11 2.67 0.33	54.35 3.04 0.14	57.64 3.59 0.33	62.86 4.52 0.33	67.01 5.68 0.46	72.06 6.31 0.00	82.97 8.09 0.00	83.45 8.07 0.00	78.60 7.66 0.00	70.68 7.57 0.00	64.20 6.10 0.00	55.26 4.42 0.00	49.76 3.64 0.00
LAWRNCV_115KV_TB1 80681	45.36 0.27 0.00	42.11 0.29 0.00	35.13 -0.32 0.00	33.04 -0.23 0.00	32.53 -0.20 0.00	36.65 0.29 0.00	40.17 0.36 0.00	41.85 0.33 0.00	43.63 0.39 0.00	43.63 0.30 0.00	43.15 0.30 0.00	47.92 0.14 0.00	51.31 -0.15 0.00	54.21 -0.16 0.00	58.49 -0.18 0.00	61.36 -0.43 0.00	64.44 -1.32 0.00	73.23 -1.65 0.00	74.10 -1.28 0.00	69.80 -1.13 0.00	62.29 -0.82 0.00	58.33 0.23 0.00	51.35 0.51 0.00	46.76 0.65 0.00
LEDERLE____ 23769	47.98 2.89 0.00	44.53 2.72 0.00	38.22 2.77 0.00	35.77 2.50 0.00	35.11 2.39 0.00	38.65 2.29 0.00	42.48 2.67 0.00	44.59 3.07 0.00	46.32 3.07 0.00	46.44 3.12 0.00	46.31 3.04 -0.41	51.70 3.49 -0.44	55.67 4.01 -0.19	59.32 4.51 -0.43	63.91 4.81 -0.43	68.21 5.81 -0.61	72.72 6.97 0.00	82.59 7.71 0.00	81.49 6.11 0.00	75.97 5.04 0.00	67.34 4.23 0.00	60.94 2.85 0.00	53.38 2.54 0.00	48.42 2.31 0.00
LIGHTHSE_115KV_TB6 355974	45.05 -0.05 0.00	41.69 -0.13 0.00	35.42 -0.04 0.00	33.11 -0.17 0.00	32.62 -0.10 0.00	36.25 -0.11 0.00	39.69 -0.12 0.00	41.35 -0.17 0.00	43.20 -0.04 0.00	43.32 0.00 0.00	42.77 -0.09 0.00	47.68 -0.10 0.00	51.26 -0.21 0.00	54.05 -0.33 0.00	58.32 -0.35 0.00	61.05 -0.74 0.00	65.16 -0.59 0.00	74.28 -0.60 0.00	75.16 -0.23 0.00	71.15 0.21 0.00	63.42 0.32 0.00	58.39 0.29 0.00	51.93 0.31 -0.79	46.25 0.14 0.00
LINDEN COGEN____ 23786	48.11 3.02 0.00	44.70 2.88 0.00	38.43 2.98 0.00	35.87 2.60 0.00	35.18 2.46 0.00	38.72 2.36 0.00	42.68 2.87 0.00	44.96 3.44 0.00	46.93 3.42 -0.27	50.98 3.55 -4.10	51.26 3.38 -5.02	52.80 3.87 -1.16	54.55 4.17 1.08	55.44 4.68 3.62	56.81 4.98 6.84	68.35 6.80 0.24	81.79 7.36 -8.67	82.59 8.24 0.53	80.95 6.40 0.84	74.62 5.04 1.35	57.28 4.16 9.99	57.79 2.67 2.99	53.42 2.59 0.01	48.70 2.58 0.00
LINDHRST_69_KV_BK1 356055	49.20 4.10 0.00	46.29 4.47 0.00	39.56 4.11 0.00	36.70 3.43 0.00	35.90 3.17 0.00	39.60 3.24 0.00	43.67 3.86 0.00	46.25 4.73 0.00	47.92 4.67 0.00	48.30 4.81 -0.17	47.64 4.20 -0.59	52.91 4.78 -0.36	59.36 5.61 -2.29	65.18 6.31 -4.49	68.51 6.81 -3.03	75.29 8.03 -5.47	87.26 9.34 -12.17	98.40 10.48 -13.03	85.64 8.90 -1.36	80.28 7.52 -1.82	74.82 6.31 -5.41	67.00 4.65 -4.25	56.16 4.07 -1.25	48.85 2.81 0.08
LIPA_MISC_IPP 23656	48.52 3.43 0.00	45.75 3.93 0.00	39.03 3.58 0.00	36.17 2.89 0.00	35.37 2.65 0.00	39.05 2.69 0.00	43.07 3.26 0.00	45.71 4.19 0.00	47.31 4.07 0.00	47.74 4.25 -0.17	47.05 3.64 -0.55	51.89 4.01 -0.10	57.26 4.68 -1.11	62.22 5.60 -2.24	66.71 5.93 -2.11	71.69 7.11 -2.80	114.38 8.42 -40.22	172.72 9.58 -88.26	115.39 7.92 -32.09	78.28 6.53 -0.82	70.72 5.24 -2.37	63.41 3.72 -1.59	53.97 3.05 -0.08	47.98 2.03 0.16
LISF____SOLAR 323691	48.25 3.16 0.00	45.88 4.06 -0.01	39.10 3.65 0.00	36.23 2.96 0.00	35.44 2.71 0.00	39.12 2.76 0.00	43.15 3.34 0.00	45.89 4.36 -0.01	47.22 3.98 0.00	47.82 4.33 -0.17	47.04 3.64 -0.55	52.11 4.25 -0.08	57.38 4.79 -1.13	62.30 5.66 -2.27	66.96 6.10 -2.19	72.47 7.85 -2.83	118.28 8.61 -43.92	178.22 9.88 -93.46	119.25 8.14 -35.72	78.51 6.74 -0.83	71.00 5.49 -2.40	63.59 3.89 -1.60	54.05 3.15 -0.06	48.16 2.21 0.17
LITTLE FALLS____HYD 24013	46.17 1.08 0.00	42.78 0.96 0.00	36.37 0.92 0.00	34.11 0.83 0.00	33.61 0.88 0.00	37.27 0.91 0.00	40.84 1.04 0.00	42.60 1.08 0.00	44.37 1.12 0.00	44.36 1.04 0.00	43.71 0.86 0.00	48.68 0.91 0.00	52.39 0.93 0.00	55.41 1.03 0.00	59.78 1.11 0.00	62.90 1.11 0.00	66.94 1.18 0.00	76.08 1.20 0.00	76.66 1.28 0.00	72.21 1.39 0.00	64.50 1.28 0.00	59.38 1.28 0.00	51.96 1.12 0.00	47.13 1.01 0.00

LITTLRIV_115KV_TB1 356100	45.86 0.77 0.00	42.61 0.79 0.00	35.49 0.04 0.00	33.37 0.10 0.00	32.89 0.16 0.00	37.13 0.76 0.00	40.64 0.84 0.00	42.31 0.79 0.00	44.07 0.82 0.00	44.02 0.69 0.00	43.45 0.60 0.00	48.25 0.48 0.00	51.62 0.15 0.00	54.59 0.22 0.00	58.90 0.23 0.00	61.79 0.00 0.00	64.90 -0.85 0.00	73.83 -1.05 0.00	75.01 -0.38 0.00	70.72 -0.21 0.00	63.23 0.13 0.00	59.20 1.10 0.00	52.01 1.17 0.00	47.36 1.25 0.00
LI_NEWBRDGE___DRP 323616	48.25 3.16 0.00	45.33 3.51 0.00	38.86 3.40 0.00	36.10 2.83 0.00	35.34 2.62 0.00	38.94 2.58 0.00	42.95 3.14 0.00	45.38 3.86 0.00	47.05 3.81 0.00	47.35 3.86 -0.17	46.95 3.47 -0.62	52.08 3.82 -0.48	56.35 4.48 -0.41	60.32 5.06 -0.89	64.70 5.34 -0.69	69.29 6.43 -1.08	79.57 7.56 -6.26	86.07 8.54 -2.66	82.47 6.94 -0.15	76.88 5.75 -0.20	68.53 4.86 -0.56	61.86 3.31 -0.45	54.17 3.20 -0.13	48.18 2.08 0.01
LOCKPORT_115KV_TB60_63_64 80432	44.51 -0.59 0.00	41.57 -0.25 0.00	35.49 0.04 0.00	32.34 -0.93 0.00	31.87 -0.85 0.00	34.91 -1.45 0.00	37.66 -2.15 0.00	38.90 -2.62 0.00	41.21 -2.03 0.00	42.20 -1.13 0.00	42.04 -0.81 0.00	46.82 -0.96 0.00	50.49 -0.98 0.00	52.85 -1.52 0.00	56.97 -1.70 0.00	58.58 -3.21 0.00	63.65 -2.10 0.00	71.58 -3.29 0.00	72.07 -3.32 0.00	69.30 -1.63 0.00	61.59 -1.51 0.00	56.82 -1.28 0.00	49.93 -0.92 0.00	45.61 -0.51 0.00
LOCKPORT___CC1 323769	44.73 -0.36 0.00	41.48 -0.34 0.00	35.42 -0.04 0.00	32.38 -0.90 0.00	31.81 -0.92 0.00	34.87 -1.49 0.00	37.62 -2.19 0.00	38.86 -2.66 0.00	41.43 -1.81 0.00	42.16 -1.17 0.00	42.08 -0.77 0.00	46.77 -1.01 0.00	50.54 -0.92 0.00	52.80 -1.58 0.00	56.85 -1.82 0.00	59.07 -2.72 0.00	63.65 -2.11 0.00	71.59 -3.29 0.00	72.14 -3.24 0.00	69.38 -1.56 0.00	61.66 -1.45 0.00	56.76 -1.33 0.00	50.38 -0.46 0.00	45.61 -0.51 0.00
LOCKPORT___CC2 323770	44.73 -0.36 0.00	41.48 -0.34 0.00	35.42 -0.04 0.00	32.38 -0.90 0.00	31.81 -0.92 0.00	34.87 -1.49 0.00	37.62 -2.19 0.00	38.86 -2.66 0.00	41.43 -1.81 0.00	42.16 -1.17 0.00	42.08 -0.77 0.00	46.77 -1.01 0.00	50.54 -0.92 0.00	52.80 -1.58 0.00	56.85 -1.82 0.00	59.07 -2.72 0.00	63.65 -2.11 0.00	71.59 -3.29 0.00	72.14 -3.24 0.00	69.38 -1.56 0.00	61.66 -1.45 0.00	56.76 -1.33 0.00	50.38 -0.46 0.00	45.61 -0.51 0.00
LOCKPORT___CC3 323771	44.73 -0.36 0.00	41.48 -0.34 0.00	35.42 -0.04 0.00	32.38 -0.90 0.00	31.81 -0.92 0.00	34.87 -1.49 0.00	37.62 -2.19 0.00	38.86 -2.66 0.00	41.43 -1.81 0.00	42.16 -1.17 0.00	42.08 -0.77 0.00	46.77 -1.01 0.00	50.54 -0.92 0.00	52.80 -1.58 0.00	56.85 -1.82 0.00	59.07 -2.72 0.00	63.65 -2.11 0.00	71.59 -3.29 0.00	72.14 -3.24 0.00	69.38 -1.56 0.00	61.66 -1.45 0.00	56.76 -1.33 0.00	50.38 -0.46 0.00	45.61 -0.51 0.00
LOCUSVLY_69_KV_BK2 55797	48.74 3.65 0.00	45.66 3.85 0.00	39.10 3.65 0.00	36.40 3.13 0.00	35.63 2.91 0.00	39.27 2.91 0.00	43.23 3.42 0.00	45.71 4.19 0.00	47.40 4.15 0.00	47.74 4.25 -0.17	47.46 3.99 -0.62	52.84 4.59 -0.49	60.30 5.25 -3.59	67.26 5.87 -7.01	69.79 6.34 -4.79	78.03 7.48 -8.76	88.40 8.75 -13.90	100.60 9.81 -15.92	85.73 8.14 -2.20	80.64 6.74 -2.96	77.51 5.62 -8.78	69.18 4.01 -7.08	57.05 3.61 -2.60	48.84 2.72 -0.01
LONG_LAKE_PHOENIX 24014	44.33 -0.77 0.00	41.06 -0.75 0.00	34.96 -0.50 0.00	32.64 -0.63 0.00	32.13 -0.59 0.00	35.60 -0.76 0.00	38.93 -0.88 0.00	40.65 -0.87 0.00	42.42 -0.82 0.00	42.59 -0.74 0.00	42.17 -0.69 0.00	47.01 -0.76 0.00	50.64 -0.82 0.00	53.34 -1.03 0.00	57.61 -1.06 0.00	60.49 -1.30 0.00	64.70 -1.05 0.00	73.68 -1.20 0.00	74.10 -1.28 0.00	70.09 -0.85 0.00	62.22 -0.88 0.00	57.23 -0.87 0.00	51.24 -0.81 -1.21	45.28 -0.83 0.00
LOVETT___3 23632	47.75 2.66 0.00	44.33 2.51 0.00	38.08 2.62 0.00	35.64 2.36 0.00	34.98 2.26 0.00	38.47 2.11 0.00	42.28 2.47 0.00	44.39 2.86 0.00	46.06 2.81 0.00	46.23 2.90 0.00	46.05 2.79 -0.41	51.41 3.20 -0.44	55.31 3.65 -0.19	59.00 4.19 -0.43	63.51 4.40 -0.44	67.85 5.44 -0.62	72.26 6.51 0.00	82.14 7.26 0.00	81.04 5.65 0.00	75.48 4.54 0.00	66.96 3.85 0.00	60.54 2.44 0.00	53.08 2.24 0.00	48.19 2.08 0.00
LOVETT___4 23642	47.75 2.66 0.00	44.33 2.51 0.00	38.08 2.62 0.00	35.64 2.36 0.00	34.98 2.26 0.00	38.47 2.11 0.00	42.28 2.47 0.00	44.39 2.86 0.00	46.06 2.81 0.00	46.23 2.90 0.00	46.05 2.79 -0.41	51.41 3.20 -0.44	55.31 3.65 -0.19	59.00 4.19 -0.43	63.51 4.40 -0.44	67.85 5.44 -0.62	72.26 6.51 0.00	82.14 7.26 0.00	81.04 5.65 0.00	75.48 4.54 0.00	66.96 3.85 0.00	60.54 2.44 0.00	53.08 2.24 0.00	48.19 2.08 0.00
LOVETT___5 23593	47.75 2.66 0.00	44.33 2.51 0.00	38.08 2.62 0.00	35.64 2.36 0.00	34.98 2.26 0.00	38.47 2.11 0.00	42.28 2.47 0.00	44.39 2.86 0.00	46.06 2.81 0.00	46.23 2.90 0.00	46.05 2.79 -0.41	51.41 3.20 -0.44	55.31 3.65 -0.19	59.00 4.19 -0.43	63.51 4.40 -0.44	67.85 5.44 -0.62	72.26 6.51 0.00	82.14 7.26 0.00	81.04 5.65 0.00	75.48 4.54 0.00	66.96 3.85 0.00	60.54 2.44 0.00	53.08 2.24 0.00	48.19 2.08 0.00
LOWER RAQUET___HYD 24057	45.41 0.32 0.00	42.15 0.33 0.00	35.17 -0.28 0.00	33.04 -0.23 0.00	32.56 -0.16 0.00	36.69 0.33 0.00	40.21 0.40 0.00	41.89 0.37 0.00	43.68 0.43 0.00	43.67 0.34 0.00	43.20 0.34 0.00	47.96 0.19 0.00	51.31 -0.15 0.00	54.21 -0.16 0.00	58.49 -0.18 0.00	60.87 -0.93 0.00	64.37 -1.38 0.00	73.08 -1.80 0.00	74.03 -1.35 0.00	69.73 -1.21 0.00	62.22 -0.88 0.00	58.39 0.29 0.00	51.45 0.61 0.00	46.85 0.74 0.00
LOWER___HUDSON 24059	46.90 1.81 0.00	43.53 1.72 0.00	37.29 1.84 0.00	35.04 1.76 0.00	34.42 1.70 0.00	37.89 1.53 0.00	41.52 1.71 0.00	43.30 1.78 0.00	44.89 1.64 0.00	44.75 1.43 0.00	43.74 1.33 0.44	48.84 1.53 0.46	53.01 1.75 0.20	55.99 2.07 0.46	60.56 2.35 0.46	64.48 3.33 0.65	69.30 3.55 0.00	79.07 4.19 0.00	78.85 3.47 0.00	73.92 2.98 0.00	66.01 2.90 0.00	60.07 1.98 0.00	52.36 1.52 0.00	47.45 1.34 0.00
LOWVILLE_115KV_TB2 356335	45.68 0.59 0.00	42.23 0.42 0.00	35.74 0.28 0.00	33.47 0.20 0.00	33.05 0.33 0.00	36.91 0.55 0.00	40.45 0.64 0.00	42.14 0.62 0.00	44.24 0.99 0.00	44.15 0.82 0.00	43.54 0.69 0.00	48.49 0.72 0.00	52.08 0.62 0.00	55.14 0.76 0.00	59.37 0.70 0.00	61.85 0.06 0.00	65.95 0.20 0.00	75.18 0.30 0.00	76.59 1.21 0.00	72.36 1.42 0.00	65.44 2.33 0.00	60.60 2.50 0.00	53.02 1.98 -0.20	47.73 1.61 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	47.48 2.39 0.00	44.03 2.22 0.00	37.61 2.16 0.00	35.34 2.06 0.00	34.69 1.96 0.00	38.33 1.96 0.00	41.92 2.11 0.00	43.72 2.20 0.00	45.32 2.08 0.00	45.14 1.82 0.00	44.19 1.67 0.34	49.33 1.91 0.36	53.47 2.16 0.15	56.53 2.50 0.35	61.19 2.87 0.35	64.82 3.52 0.50	69.89 4.14 0.00	79.89 5.02 0.00	79.91 4.52 0.00	75.05 4.11 0.00	67.08 3.98 0.00	61.06 2.96 0.00	53.18 2.34 0.00	48.14 2.03 0.00

LUTHERNY_35_KV_BK2 355980	47.48 2.39 0.00	44.07 2.26 0.00	37.61 2.16 0.00	35.34 2.06 0.00	34.72 2.00 0.00	38.33 1.96 0.00	41.96 2.15 0.00	43.76 2.24 0.00	45.36 2.12 0.00	45.19 1.86 0.00	44.23 1.71 0.34	49.33 1.91 0.36	53.52 2.21 0.15	56.58 2.56 0.35	61.25 2.93 0.35	64.88 3.58 0.50	69.96 4.21 0.00	79.97 5.09 0.00	79.98 4.60 0.00	75.12 4.19 0.00	67.15 4.04 0.00	61.12 3.02 0.00	53.23 2.39 0.00	48.14 2.03 0.00
LWR___OSWEGATCHIE_HYD 23850	45.50 0.41 0.00	42.15 0.33 0.00	35.42 -0.04 0.00	33.24 -0.03 0.00	32.75 0.03 0.00	36.76 0.40 0.00	40.29 0.48 0.00	41.98 0.46 0.00	43.89 0.65 0.00	43.84 0.52 0.00	43.28 0.43 0.00	48.11 0.33 0.00	51.62 0.15 0.00	54.59 0.22 0.00	58.85 0.18 0.00	61.36 -0.43 0.00	65.03 -0.72 0.00	73.98 -0.90 0.00	75.16 -0.23 0.00	70.94 0.00 0.00	63.74 0.63 0.00	59.38 1.28 0.00	52.24 1.22 -0.18	47.22 1.11 0.00
LYONS_FALL_HYD 23570	45.90 0.81 0.00	42.44 0.63 0.00	35.98 0.53 0.00	33.71 0.43 0.00	33.24 0.52 0.00	37.05 0.69 0.00	40.60 0.80 0.00	42.35 0.83 0.00	44.37 1.12 0.00	44.28 0.95 0.00	43.71 0.86 0.00	48.68 0.91 0.00	52.39 0.93 0.00	55.46 1.09 0.00	59.78 1.11 0.00	62.59 0.80 0.00	66.74 0.99 0.00	76.00 1.12 0.00	77.19 1.81 0.00	72.85 1.92 0.00	65.51 2.40 0.00	60.42 2.33 0.00	52.79 1.83 -0.13	47.59 1.48 0.00
MADISON___COUNTY_LFGE 323628	46.40 1.31 0.00	42.90 1.09 0.00	36.48 1.03 0.00	34.14 0.87 0.00	33.67 0.95 0.00	37.38 1.02 0.00	40.96 1.15 0.00	42.72 1.20 0.00	44.63 1.38 0.00	44.62 1.30 0.00	44.05 1.20 0.00	49.16 1.39 0.00	52.90 1.44 0.00	56.06 1.69 0.00	60.49 1.82 0.00	63.46 1.67 0.00	67.92 2.17 0.00	77.27 2.40 0.00	78.17 2.79 0.00	73.84 2.91 0.00	65.88 2.78 0.00	60.48 2.38 0.00	52.67 1.83 0.00	47.59 1.48 0.00
MALONE___115KV_TB1 356076	44.91 -0.18 0.00	41.73 -0.08 0.00	34.88 -0.57 0.00	32.84 -0.43 0.00	32.36 -0.36 0.00	36.40 0.04 0.00	39.93 0.12 0.00	41.69 0.17 0.00	43.46 0.22 0.00	43.50 0.17 0.00	43.11 0.26 0.00	47.68 -0.10 0.00	51.10 -0.36 0.00	53.72 -0.65 0.00	57.97 -0.70 0.00	60.93 -0.87 0.00	64.24 -1.51 0.00	73.46 -1.42 0.00	74.25 -1.13 0.00	69.87 -1.06 0.00	62.16 -0.95 0.00	58.04 -0.06 0.00	51.04 0.20 0.00	46.58 0.46 0.00
MAPLEWOD_115KV_TB3 80458	46.54 1.44 0.00	43.15 1.34 0.00	36.98 1.52 0.00	34.84 1.56 0.00	34.19 1.47 0.00	37.60 1.24 0.00	41.20 1.39 0.00	43.01 1.49 0.00	44.59 1.34 0.00	44.49 1.17 0.00	43.65 1.11 0.32	48.77 1.34 0.34	52.86 1.54 0.15	55.89 1.85 0.33	60.44 2.11 0.34	64.04 2.72 0.47	68.91 3.16 0.00	78.62 3.74 0.00	78.32 2.94 0.00	73.42 2.48 0.00	65.44 2.33 0.00	59.61 1.51 0.00	52.01 1.17 0.00	47.13 1.01 0.00
MAPLE_RIDGE_WT_1 323574	44.46 -0.63 0.00	41.32 -0.50 0.00	34.96 -0.50 0.00	32.88 -0.40 0.00	32.33 -0.39 0.00	36.00 -0.36 0.00	39.49 -0.32 0.00	41.27 -0.25 0.00	43.03 -0.22 0.00	43.11 -0.22 0.00	42.64 -0.21 0.00	47.44 -0.33 0.00	51.00 -0.46 0.00	53.83 -0.54 0.00	58.03 -0.64 0.00	60.99 -0.81 0.00	64.90 -0.86 0.00	73.98 -0.90 0.00	74.56 -0.83 0.00	70.30 -0.64 0.00	62.60 -0.51 0.00	57.75 -0.35 0.00	50.59 -0.25 0.00	45.93 -0.18 0.00
MAPLE_RIDGE_WT_2 323611	44.46 -0.63 0.00	41.32 -0.50 0.00	34.96 -0.50 0.00	32.88 -0.40 0.00	32.33 -0.39 0.00	36.00 -0.36 0.00	39.49 -0.32 0.00	41.27 -0.25 0.00	43.03 -0.22 0.00	43.11 -0.22 0.00	42.64 -0.21 0.00	47.44 -0.33 0.00	51.00 -0.46 0.00	53.83 -0.54 0.00	58.03 -0.64 0.00	60.99 -0.81 0.00	64.90 -0.86 0.00	73.98 -0.90 0.00	74.56 -0.83 0.00	70.30 -0.64 0.00	62.60 -0.51 0.00	57.75 -0.35 0.00	50.59 -0.25 0.00	45.93 -0.18 0.00
MARBLE_RIVER_WT_PWR 323696	44.23 -0.86 0.00	41.11 -0.71 0.00	34.42 -1.03 0.00	32.41 -0.87 0.00	31.94 -0.79 0.00	35.89 -0.47 0.00	39.33 -0.48 0.00	41.06 -0.46 0.00	42.81 -0.43 0.00	42.85 -0.48 0.00	42.43 -0.43 0.00	46.91 -0.86 0.00	50.28 -1.18 0.00	52.69 -1.69 0.00	56.73 -1.93 0.00	59.25 -2.54 0.00	63.05 -2.70 0.00	72.11 -2.77 0.00	72.82 -2.56 0.00	68.52 -2.41 0.00	60.90 -2.21 0.00	56.76 -1.33 0.00	50.02 -0.82 0.00	45.84 -0.28 0.00
MARSHVLE_115KV_TB1 80742	48.11 3.02 0.00	44.58 2.76 0.00	37.93 2.48 0.00	35.60 2.33 0.00	35.05 2.32 0.00	38.87 2.51 0.00	42.28 2.47 0.00	43.68 2.16 0.00	45.10 1.86 0.00	44.84 1.52 0.00	44.17 1.50 0.19	49.20 1.62 0.20	53.28 1.90 0.09	56.36 2.18 0.19	60.82 2.35 0.20	64.36 2.84 0.27	68.91 3.16 0.00	78.92 4.04 0.00	79.45 4.07 0.00	75.76 4.82 0.00	68.22 5.11 0.00	62.45 4.36 0.00	54.25 3.41 0.00	48.97 2.86 0.00
MARSH_HILL_WT_PWR 323713	45.64 0.54 0.00	42.03 0.21 0.00	35.91 0.46 0.00	33.08 -0.20 0.00	32.56 -0.16 0.00	36.00 -0.36 0.00	39.25 -0.56 0.00	40.81 -0.71 0.00	43.07 -0.17 0.00	43.45 0.13 0.00	43.07 0.22 0.00	47.96 0.19 0.00	51.57 0.10 0.00	53.89 -0.49 0.00	57.73 -0.94 0.00	60.43 -1.36 0.00	64.97 -0.79 0.00	73.83 -1.05 0.00	74.86 -0.52 0.00	72.21 1.28 0.00	64.43 1.33 0.00	59.37 1.28 0.00	52.16 1.32 0.00	47.04 0.92 0.00
MCINTYRE_115KV_TB2 80467	46.04 0.95 0.00	42.78 0.96 0.00	35.63 0.18 0.00	33.47 0.20 0.00	32.98 0.26 0.00	37.23 0.87 0.00	40.76 0.96 0.00	42.43 0.91 0.00	44.11 0.86 0.00	43.97 0.65 0.00	43.41 0.56 0.00	48.15 0.38 0.00	51.57 0.10 0.00	54.54 0.16 0.00	58.90 0.23 0.00	61.85 0.06 0.00	65.03 -0.72 0.00	74.13 -0.75 0.00	75.38 0.00 0.00	71.15 0.21 0.00	63.61 0.50 0.00	59.49 1.39 0.00	52.16 1.32 0.00	47.50 1.38 0.00
MECO_____69_KV_BK1 80468	48.84 3.74 0.00	45.29 3.47 0.00	38.54 3.08 0.00	36.14 2.86 0.00	35.57 2.85 0.00	39.45 3.09 0.00	43.03 3.22 0.00	44.63 3.11 0.00	46.14 2.90 0.00	45.84 2.51 0.00	45.09 2.44 0.21	50.23 2.68 0.22	54.40 3.04 0.10	57.53 3.37 0.22	62.32 3.87 0.22	65.99 4.51 0.31	70.81 5.06 0.00	81.32 6.44 0.00	81.79 6.41 0.00	77.46 6.53 0.00	69.54 6.44 0.00	63.44 5.34 0.00	55.06 4.22 0.00	49.67 3.55 0.00
MENANDS___115KV_TB5 355628	46.26 1.17 0.00	42.90 1.09 0.00	36.76 1.31 0.00	34.67 1.40 0.00	34.03 1.31 0.00	37.34 0.98 0.00	40.96 1.15 0.00	42.77 1.25 0.00	44.33 1.08 0.00	44.23 0.91 0.00	43.43 0.90 0.32	48.49 1.05 0.34	52.55 1.24 0.15	55.57 1.52 0.33	60.09 1.76 0.34	63.60 2.29 0.47	68.51 2.76 0.00	78.10 3.22 0.00	77.72 2.34 0.00	72.85 1.92 0.00	64.94 1.83 0.00	59.14 1.05 0.00	51.60 0.76 0.00	46.81 0.69 0.00
MG INDUSTRY___DRP 24185	46.26 1.17 0.00	42.95 1.13 0.00	36.73 1.28 0.00	34.64 1.36 0.00	34.03 1.31 0.00	37.42 1.05 0.00	40.92 1.11 0.00	42.60 1.08 0.00	44.11 0.86 0.00	43.97 0.65 0.00	43.33 0.64 0.17	48.36 0.76 0.17	52.31 0.93 0.08	55.35 1.14 0.17	59.85 1.35 0.17	63.34 1.79 0.24	67.86 2.10 0.00	77.42 2.55 0.00	77.34 1.96 0.00	72.64 1.70 0.00	64.81 1.70 0.00	59.20 1.10 0.00	51.70 0.86 0.00	46.94 0.83 0.00

MID___OSWEGATCHIE_HYD 23849	45.50 0.41 0.00	42.15 0.33 0.00	35.42 -0.04 0.00	33.24 -0.03 0.00	32.75 0.03 0.00	36.76 0.40 0.00	40.29 0.48 0.00	41.98 0.46 0.00	43.89 0.65 0.00	43.84 0.52 0.00	43.28 0.43 0.00	48.11 0.33 0.00	51.62 0.15 0.00	54.59 0.22 0.00	58.85 0.18 0.00	61.36 -0.43 0.00	65.03 -0.72 0.00	73.98 -0.90 0.00	75.16 -0.23 0.00	70.94 0.00 0.00	63.74 0.63 0.00	59.38 1.28 0.00	52.24 1.22 -0.18	47.22 1.11 0.00
MID___RAQUETTE_HYD 23851	45.41 0.32 0.00	42.15 0.33 0.00	35.17 -0.28 0.00	33.04 -0.23 0.00	32.56 -0.16 0.00	36.69 0.33 0.00	40.21 0.40 0.00	41.89 0.37 0.00	43.68 0.43 0.00	43.67 0.35 0.00	43.20 0.34 0.00	47.96 0.19 0.00	51.31 -0.15 0.00	54.21 -0.16 0.00	58.49 -0.18 0.00	61.36 -0.43 0.00	64.37 -1.38 0.00	73.08 -1.80 0.00	74.03 -1.36 0.00	69.73 -1.21 0.00	62.29 -0.82 0.00	58.39 0.29 0.00	51.45 0.61 0.00	46.85 0.74 0.00
MILLIKEN___1 23584	46.04 0.95 0.00	42.57 0.75 0.00	36.30 0.85 0.00	33.84 0.57 0.00	33.34 0.62 0.00	36.91 0.55 0.00	40.41 0.60 0.00	42.10 0.58 0.00	43.98 0.74 0.00	44.15 0.82 0.00	43.63 0.77 0.00	48.68 0.91 0.00	52.44 0.98 0.00	55.30 0.92 0.00	59.67 1.00 0.00	62.53 0.74 0.00	67.13 1.38 0.00	76.53 1.65 0.00	77.19 1.81 0.00	73.21 2.27 0.00	65.00 1.89 0.00	59.84 1.74 0.00	52.25 1.27 -0.14	47.08 0.97 0.00
MILLIKEN___2 23585	46.04 0.95 0.00	42.57 0.75 0.00	36.30 0.85 0.00	33.84 0.57 0.00	33.34 0.62 0.00	36.91 0.55 0.00	40.41 0.60 0.00	42.10 0.58 0.00	43.98 0.74 0.00	44.15 0.82 0.00	43.63 0.77 0.00	48.68 0.91 0.00	52.44 0.98 0.00	55.30 0.92 0.00	59.67 1.00 0.00	62.53 0.74 0.00	67.13 1.38 0.00	76.53 1.65 0.00	77.19 1.81 0.00	73.21 2.27 0.00	65.00 1.89 0.00	59.84 1.74 0.00	52.25 1.27 -0.14	47.08 0.97 0.00
MILLIKEN___DIESEL 23629	46.04 0.95 0.00	42.57 0.75 0.00	36.30 0.85 0.00	33.84 0.57 0.00	33.34 0.62 0.00	36.91 0.55 0.00	40.41 0.60 0.00	42.10 0.58 0.00	43.98 0.74 0.00	44.15 0.82 0.00	43.63 0.77 0.00	48.68 0.91 0.00	52.44 0.98 0.00	55.30 0.92 0.00	59.67 1.00 0.00	62.53 0.74 0.00	67.13 1.38 0.00	76.53 1.65 0.00	77.19 1.81 0.00	73.21 2.27 0.00	65.00 1.89 0.00	59.84 1.74 0.00	52.25 1.27 -0.14	47.08 0.97 0.00
MILLSEAT___LFGE 323607	45.77 0.68 0.00	42.36 0.54 0.00	36.12 0.67 0.00	33.04 -0.23 0.00	32.49 -0.23 0.00	35.64 -0.73 0.00	38.53 -1.28 0.00	39.94 -1.58 0.00	42.60 -0.65 0.00	43.24 -0.09 0.00	43.11 0.26 0.00	48.01 0.24 0.00	51.83 0.36 0.00	54.21 -0.16 0.00	58.55 -0.12 0.00	60.93 -0.87 0.00	65.62 -0.13 0.00	73.83 -1.05 0.00	74.56 -0.83 0.00	71.72 0.78 0.00	63.67 0.57 0.00	58.56 0.46 0.00	51.70 0.86 0.00	46.71 0.60 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	47.93 2.84 0.00	44.49 2.68 0.00	38.22 2.77 0.00	35.74 2.46 0.00	35.08 2.36 0.00	38.62 2.25 0.00	42.44 2.63 0.00	44.59 3.07 0.00	46.28 3.03 -0.01	46.52 3.08 -0.12	46.38 2.96 -0.57	51.69 3.44 -0.48	55.57 3.91 -0.20	59.23 4.40 -0.45	63.82 4.69 -0.46	68.18 5.75 -0.64	72.87 6.84 -0.28	82.45 7.56 -0.01	81.41 6.03 0.00	75.83 4.89 0.00	67.21 4.10 0.00	60.77 2.67 0.00	53.28 2.44 0.00	48.37 2.26 0.00
MILLWOOD_13_KV_LOAD 356217	48.11 3.02 0.00	44.62 2.80 0.00	38.32 2.87 0.00	35.84 2.56 0.00	35.18 2.45 0.00	38.73 2.36 0.00	42.56 2.75 0.00	44.72 3.20 0.00	46.45 3.20 -0.01	46.65 3.21 -0.12	46.55 3.13 -0.57	51.88 3.63 -0.48	55.83 4.17 -0.20	59.51 4.68 -0.45	64.11 4.99 -0.46	68.43 5.99 -0.64	73.20 7.17 -0.28	82.82 7.94 -0.01	81.72 6.33 0.00	76.11 5.18 0.00	67.46 4.35 0.00	61.00 2.90 0.00	53.48 2.64 0.00	48.56 2.44 0.00
MODEL_CITY_ENERGY 24167	44.37 -0.72 0.00	41.32 -0.50 0.00	35.28 -0.18 0.00	32.24 -1.03 0.00	31.64 -1.08 0.00	34.58 -1.78 0.00	37.30 -2.51 0.00	38.49 -3.03 0.00	41.08 -2.16 0.00	41.77 -1.56 0.00	41.70 -1.16 0.00	46.34 -1.43 0.00	50.08 -1.39 0.00	52.31 -2.07 0.00	56.32 -2.35 0.00	58.51 -3.28 0.00	63.05 -2.70 0.00	70.91 -3.97 0.00	71.46 -3.92 0.00	68.74 -2.20 0.00	61.03 -2.08 0.00	56.18 -1.92 0.00	49.82 -1.02 0.00	45.14 -0.97 0.00
MODERN_LFGE___ 323580	44.37 -0.72 0.00	41.32 -0.50 0.00	35.28 -0.18 0.00	32.24 -1.03 0.00	31.64 -1.08 0.00	34.58 -1.78 0.00	37.30 -2.51 0.00	38.49 -3.03 0.00	41.08 -2.16 0.00	41.77 -1.56 0.00	41.70 -1.16 0.00	46.34 -1.43 0.00	50.08 -1.39 0.00	52.31 -2.07 0.00	56.32 -2.35 0.00	58.51 -3.28 0.00	63.05 -2.70 0.00	70.91 -3.97 0.00	71.46 -3.92 0.00	68.74 -2.20 0.00	61.03 -2.08 0.00	56.18 -1.92 0.00	49.82 -1.02 0.00	45.14 -0.97 0.00
MOHAWK_PAPER___DRP 24187	46.54 1.44 0.00	43.15 1.34 0.00	36.98 1.52 0.00	34.84 1.56 0.00	34.19 1.47 0.00	37.60 1.24 0.00	41.20 1.39 0.00	43.01 1.49 0.00	44.59 1.34 0.00	44.49 1.17 0.32	43.65 1.11 0.34	48.77 1.34 0.15	52.86 1.54 0.33	55.89 1.85 0.34	60.44 2.11 0.34	64.04 2.72 0.47	68.91 3.16 0.00	78.62 3.74 0.00	78.32 2.94 0.00	73.42 2.48 0.00	65.44 2.33 0.00	59.61 1.51 0.00	52.01 1.17 0.00	47.13 1.01 0.00
MOHICAN___35_KV_115KV_LD 80490	47.48 2.39 0.00	44.07 2.26 0.00	37.58 2.13 0.00	35.30 2.03 0.00	34.69 1.96 0.00	38.36 2.00 0.00	41.96 2.15 0.00	43.80 2.28 0.00	45.36 2.12 0.00	45.14 1.82 0.00	44.06 1.54 0.33	49.05 1.62 0.35	53.22 1.90 0.15	56.21 2.18 0.34	61.02 2.70 0.35	64.64 3.34 0.49	69.76 4.01 0.00	79.89 5.02 0.00	80.13 4.75 0.00	75.26 4.33 0.00	67.46 4.35 0.00	61.41 3.31 0.00	53.33 2.49 0.00	48.19 2.08 0.00
MONGAUP___HYD 23641	47.89 2.80 0.00	44.50 2.68 0.00	38.08 2.62 0.00	35.67 2.40 0.00	35.01 2.29 0.00	38.58 2.22 0.00	42.36 2.55 0.00	44.26 2.74 0.00	45.80 2.55 0.00	45.75 2.42 0.00	45.54 2.31 -0.38	50.85 2.67 -0.40	54.78 3.14 -0.17	58.42 3.64 -0.39	63.00 3.93 -0.40	67.72 5.37 -0.56	71.60 5.85 0.00	81.62 6.74 0.00	80.74 5.35 0.00	75.12 4.18 0.00	67.09 3.98 0.00	60.89 2.79 0.00	53.23 2.39 0.00	48.24 2.12 0.00
MONTAUK___DIESEL 23721	50.14 5.05 0.00	47.17 5.35 0.00	40.13 4.68 0.00	37.17 3.89 0.00	36.35 3.63 0.00	40.22 3.85 0.00	44.35 4.54 0.00	47.37 5.85 0.00	49.26 6.01 0.00	49.95 6.46 -0.17	49.49 6.09 -0.55	54.89 7.02 -0.10	60.56 7.98 -1.12	65.60 8.97 -2.25	70.14 9.33 -2.14	74.79 10.20 -2.81	118.58 11.24 -41.59	177.93 12.80 -90.24	119.61 10.78 -33.44	80.70 8.94 -0.82	72.56 7.07 -2.38	65.44 5.75 -1.60	55.59 4.68 -0.07	49.45 3.50 0.17
MOONROAD_115KV_HARTFLD_TB1-2 355988	45.59 0.50 0.00	42.19 0.38 0.00	35.98 0.53 0.00	32.87 -0.40 0.00	32.49 -0.23 0.00	35.78 -0.58 0.00	39.09 -0.72 0.00	40.77 -0.75 0.00	43.25 0.00 0.00	44.36 1.04 0.00	44.23 1.37 0.00	49.25 1.48 0.00	53.21 1.75 0.00	55.63 1.25 0.00	59.84 1.17 0.00	61.05 -0.74 0.00	66.48 0.72 0.00	74.80 -0.07 0.00	75.38 0.00 0.00	72.71 1.77 0.00	64.43 1.33 0.00	59.78 1.68 0.00	52.21 1.37 0.00	47.27 1.15 0.00

MORRIS_RIDGE___SOLAR 323848	45.27 0.18 0.00	41.77 -0.04 0.00	35.67 0.21 0.00	32.84 -0.43 0.00	32.30 -0.43 0.00	35.64 -0.73 0.00	38.74 -1.07 0.00	40.11 -1.41 0.00	42.33 -0.91 0.00	42.81 -0.52 0.00	42.47 -0.39 0.00	47.39 -0.38 0.00	51.05 -0.41 0.00	53.29 -1.09 0.00	57.20 -1.46 0.00	59.75 -2.04 0.00	64.24 -1.51 0.00	72.78 -2.10 0.00	73.65 -1.73 0.00	71.08 0.14 0.00	63.49 0.38 0.00	58.51 0.41 0.00	51.45 0.61 0.00	46.44 0.33 0.00
MORTIMER_115KV_TB3 55949	45.27 0.18 0.00	41.98 0.17 0.00	35.74 0.28 0.00	32.87 -0.40 0.00	32.43 -0.29 0.00	35.78 -0.58 0.00	38.89 -0.92 0.00	40.48 -1.04 0.00	42.64 -0.61 0.00	43.32 0.00 0.00	43.03 0.17 0.00	48.06 0.29 0.00	51.77 0.31 0.00	54.43 0.05 0.00	58.79 0.12 0.00	61.11 -0.68 0.00	65.88 0.13 0.00	74.50 -0.37 0.00	74.93 -0.45 0.00	71.50 0.57 0.00	63.42 0.32 0.00	58.45 0.35 0.00	51.15 0.31 0.00	46.39 0.28 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	48.43 3.34 0.00	44.91 3.09 0.00	38.57 3.12 0.00	36.04 2.76 0.00	35.34 2.62 0.00	38.91 2.55 0.00	42.83 3.03 0.00	45.09 3.57 0.00	47.17 3.55 -0.38	52.70 3.60 -5.78	53.23 3.47 -6.90	53.23 4.01 -1.45	56.19 4.53 -0.20	59.83 5.00 -0.45	64.41 5.28 -0.46	69.06 6.49 -0.78	86.67 7.63 -13.29	83.66 8.54 -0.24	82.24 6.86 0.00	76.47 5.53 0.00	67.71 4.61 0.00	61.18 3.08 0.00	53.79 2.95 0.00	48.88 2.77 0.00
MUNSVILLE_WIND_PWR 323609	48.65 3.56 0.00	44.91 3.09 0.00	38.18 2.73 0.00	35.64 2.36 0.00	35.21 2.49 0.00	39.20 2.84 0.00	43.03 3.22 0.00	44.93 3.41 0.00	46.88 3.63 0.00	46.71 3.38 0.00	45.85 2.92 -0.08	51.12 3.34 0.00	54.96 3.50 0.00	58.29 3.92 0.00	62.77 4.11 0.00	66.05 4.26 0.00	70.55 4.80 0.00	80.50 5.62 0.00	82.24 6.86 0.00	78.18 7.24 0.00	69.93 6.82 0.00	64.08 5.99 0.00	55.47 4.63 0.00	49.94 3.83 0.00
N SALMON___HYD 24042	44.91 -0.18 0.00	41.73 -0.08 0.00	34.88 -0.57 0.00	32.84 -0.43 0.00	32.36 -0.36 0.00	36.40 0.04 0.00	39.93 0.12 0.00	41.69 0.17 0.00	43.46 0.22 0.00	43.50 0.17 0.00	43.11 0.26 0.00	47.68 -0.10 0.00	51.11 -0.36 0.00	53.73 -0.65 0.00	57.97 -0.70 0.00	60.49 -1.30 0.00	64.24 -1.51 0.00	73.38 -1.50 0.00	74.25 -1.13 0.00	69.87 -1.06 0.00	62.16 -0.94 0.00	58.04 -0.06 0.00	51.04 0.20 0.00	46.58 0.46 0.00
N.AKRON__115KV_KNAPP 355671	45.54 0.45 0.00	42.44 0.63 0.00	36.20 0.74 0.00	32.97 -0.30 0.00	32.53 -0.20 0.00	35.67 -0.69 0.00	38.57 -1.23 0.00	40.03 -1.49 0.00	42.38 -0.86 0.00	43.28 -0.04 0.00	43.07 0.21 0.00	48.06 0.29 0.00	51.77 0.31 0.00	54.27 -0.11 0.00	58.61 -0.06 0.00	60.37 -1.42 0.00	65.55 -0.20 0.00	73.83 -1.05 0.00	74.40 -0.98 0.00	71.57 0.64 0.00	63.61 0.50 0.00	58.62 0.52 0.00	51.35 0.51 0.00	46.71 0.60 0.00
N.E_GEN_SANDY PD 24062	47.03 1.94 0.00	43.70 1.88 0.00	37.54 2.09 0.00	35.24 1.96 0.00	34.59 1.86 0.00	38.00 1.64 0.00	41.72 1.91 0.00	43.60 2.08 0.00	45.10 1.86 0.00	45.01 1.69 0.00	41.90 1.59 2.54	47.00 1.91 2.69	52.46 2.16 1.17	54.24 2.50 2.64	58.70 2.70 2.67	62.00 3.96 3.75	70.02 4.27 0.00	79.82 4.94 0.00	79.15 3.77 0.00	74.05 3.12 0.00	65.95 2.84 0.00	59.90 1.80 0.00	52.97 1.42 -0.70	46.70 1.29 0.70
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	47.84 2.75 0.00	44.41 2.59 0.00	38.15 2.69 0.00	35.70 2.43 0.00	35.05 2.32 0.00	38.54 2.18 0.00	42.36 2.55 0.00	44.47 2.95 0.00	46.14 2.90 0.00	46.27 2.95 0.00	46.14 2.87 -0.41	51.51 3.30 -0.44	55.46 3.81 -0.19	59.16 4.35 -0.43	63.68 4.58 -0.44	67.96 5.56 -0.61	72.46 6.71 0.00	82.37 7.49 0.00	81.19 5.80 0.00	75.69 4.75 0.00	67.08 3.98 0.00	60.71 2.61 0.00	53.23 2.39 0.00	48.28 2.17 0.00
N.QUEENS_27_KV_LOAD 356247	48.70 3.61 0.00	45.25 3.43 0.00	38.82 3.37 0.00	36.27 2.99 0.00	35.60 2.88 0.00	39.27 2.91 0.00	43.15 3.34 0.00	45.46 3.94 0.00	46.87 3.29 -0.34	51.54 3.29 -4.92	52.01 3.21 -5.94	52.90 3.82 -1.31	56.60 4.94 -0.20	60.32 5.49 -0.45	64.53 5.40 -0.47	68.61 6.06 -0.77	84.29 7.23 -11.31	83.18 8.09 -0.21	82.11 6.71 -0.02	76.41 5.46 -0.02	67.67 4.54 -0.02	61.12 3.02 0.00	54.36 3.51 -0.01	49.16 3.04 0.00
N.TROY___115KV_TB1 355778	46.94 1.85 0.00	43.53 1.71 0.00	37.30 1.84 0.00	35.07 1.80 0.00	34.42 1.70 0.00	37.89 1.53 0.00	41.52 1.71 0.00	43.31 1.79 0.00	44.89 1.64 0.00	44.75 1.43 0.00	43.74 1.33 0.44	48.84 1.53 0.46	53.06 1.80 0.20	56.04 2.12 0.46	60.55 2.35 0.46	64.11 2.97 0.65	69.30 3.55 0.00	79.15 4.27 0.00	78.85 3.47 0.00	73.92 2.98 0.00	66.01 2.90 0.00	60.07 1.98 0.00	52.37 1.53 0.00	47.45 1.34 0.00
NARROWS_GT1_1 24228	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.82 3.29 -0.29	51.11 3.42 -4.36	51.55 3.38 -5.32	53.08 4.11 -1.20	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	82.54 7.36 -9.42	83.28 8.24 -0.16	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
NARROWS_GT1_2 24229	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.82 3.29 -0.29	51.11 3.42 -4.36	51.55 3.38 -5.32	53.08 4.11 -1.20	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	82.54 7.36 -9.42	83.28 8.24 -0.16	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
NARROWS_GT1_3 24230	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.82 3.29 -0.29	51.11 3.42 -4.36	51.55 3.38 -5.32	53.08 4.11 -1.20	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	82.54 7.36 -9.42	83.28 8.24 -0.16	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
NARROWS_GT1_4 24231	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.82 3.29 -0.29	51.11 3.42 -4.36	51.55 3.38 -5.32	53.08 4.11 -1.20	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	82.54 7.36 -9.42	83.28 8.24 -0.16	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
NARROWS_GT1_5 24232	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.82 3.29 -0.29	51.11 3.42 -4.36	51.55 3.38 -5.32	53.08 4.11 -1.20	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	82.54 7.36 -9.42	83.28 8.24 -0.16	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01

NARROWS_GT1_6 24233	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.82 3.29 -0.29	51.11 3.42 -4.36	51.55 3.38 -5.32	53.08 4.11 -1.20	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	82.54 7.36 -9.42	83.28 8.24 -0.16	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
NARROWS_GT1_7 24234	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.82 3.29 -0.29	51.11 3.42 -4.36	51.55 3.38 -5.32	53.08 4.11 -1.20	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	82.54 7.36 -9.42	83.28 8.24 -0.16	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
NARROWS_GT1_8 24235	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.82 3.29 -0.29	51.11 3.42 -4.36	51.55 3.38 -5.32	53.08 4.11 -1.20	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	82.54 7.36 -9.42	83.28 8.24 -0.16	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
NARROWS_GT2_1 24236	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.89 3.29 -0.36	52.14 3.42 -5.40	52.71 3.38 -6.48	53.26 4.11 -1.38	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	85.16 7.36 -12.04	83.34 8.24 -0.23	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
NARROWS_GT2_2 24237	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.89 3.29 -0.36	52.14 3.42 -5.40	52.71 3.38 -6.48	53.26 4.11 -1.38	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	85.16 7.36 -12.04	83.34 8.24 -0.23	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
NARROWS_GT2_3 24238	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.89 3.29 -0.36	52.14 3.42 -5.40	52.71 3.38 -6.48	53.26 4.11 -1.38	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	85.16 7.36 -12.04	83.34 8.24 -0.23	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
NARROWS_GT2_4 24239	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.89 3.29 -0.36	52.14 3.42 -5.40	52.71 3.38 -6.48	53.26 4.11 -1.38	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	85.16 7.36 -12.04	83.34 8.24 -0.23	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
NARROWS_GT2_5 24240	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.89 3.29 -0.36	52.14 3.42 -5.40	52.71 3.38 -6.48	53.26 4.11 -1.38	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	85.16 7.36 -12.04	83.34 8.24 -0.23	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
NARROWS_GT2_6 24241	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.89 3.29 -0.36	52.14 3.42 -5.40	52.71 3.38 -6.48	53.26 4.11 -1.38	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	85.16 7.36 -12.04	83.34 8.24 -0.23	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
NARROWS_GT2_7 24242	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.89 3.29 -0.36	52.14 3.42 -5.40	52.71 3.38 -6.48	53.26 4.11 -1.38	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	85.16 7.36 -12.04	83.34 8.24 -0.23	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
NARROWS_GT2_8 24243	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.89 3.29 -0.36	52.14 3.42 -5.40	52.71 3.38 -6.48	53.26 4.11 -1.38	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.35 6.80 -0.76	85.16 7.36 -12.04	83.34 8.24 -0.23	81.86 6.48 0.01	76.18 5.25 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	46.76 1.67 0.00	43.36 1.55 0.00	37.01 1.56 0.00	34.90 1.63 0.00	34.29 1.57 0.00	37.71 1.35 0.00	41.32 1.51 0.00	42.97 1.45 0.00	44.46 1.21 0.00	44.02 0.69 0.00	43.86 1.11 0.10	48.86 1.19 0.11	52.96 1.54 0.05	56.12 1.85 0.11	60.79 2.23 0.11	64.42 2.78 0.15	68.32 2.56 0.00	78.17 3.29 0.00	78.32 2.94 0.00	73.63 2.70 0.00	65.70 2.59 0.00	59.90 1.80 0.00	52.21 1.37 0.00	47.45 1.34 0.00
NCHELSEA_115KV_TR2 355582	48.11 3.02 0.00	44.66 2.84 0.00	38.25 2.80 0.00	35.84 2.56 0.00	35.18 2.45 0.00	38.73 2.36 0.00	42.56 2.75 0.00	44.59 3.07 0.00	46.32 3.07 0.00	46.23 2.90 0.00	46.08 2.87 -0.35	51.45 3.30 -0.38	55.54 3.91 -0.16	59.15 4.40 -0.37	63.74 4.69 -0.37	67.94 5.62 -0.53	72.39 6.64 0.00	82.29 7.41 0.00	81.49 6.11 0.00	75.97 5.04 0.00	67.40 4.29 0.00	61.06 2.96 0.00	53.48 2.64 0.00	48.51 2.40 0.00
NEG CAPITAL____MECHNVIL 23645	47.57 2.48 0.00	44.16 2.34 0.00	37.72 2.27 0.00	35.41 2.13 0.00	34.78 2.06 0.00	38.40 2.04 0.00	42.04 2.23 0.00	43.84 2.32 0.00	45.45 2.20 0.00	45.32 1.99 0.00	44.36 1.88 0.37	49.48 2.10 0.40	53.66 2.37 0.17	56.76 2.77 0.39	61.50 3.22 0.39	65.44 4.20 0.55	70.23 4.47 0.00	80.34 5.46 0.00	80.21 4.83 0.00	75.34 4.40 0.00	67.27 4.16 0.00	61.23 3.14 0.00	53.28 2.44 0.00	48.24 2.12 0.00
NEG CENTRAL_HIGH_ACRES 23767	44.64 -0.45 0.00	41.19 -0.63 0.00	35.10 -0.35 0.00	32.41 -0.87 0.00	31.91 -0.82 0.00	35.27 -1.09 0.00	38.41 -1.39 0.00	40.03 -1.49 0.00	42.29 -0.95 0.00	42.68 -0.65 0.00	42.43 -0.43 0.00	47.29 -0.48 0.00	51.00 -0.46 0.00	53.62 -0.76 0.00	57.97 -0.70 0.00	60.68 -1.11 0.00	64.97 -0.79 0.00	73.60 -1.27 0.00	74.10 -1.28 0.00	70.58 -0.35 0.00	62.60 -0.51 0.00	57.57 -0.52 0.00	50.56 -0.41 -0.13	45.56 -0.55 0.00



NEG CENTRAL___DRP 24199	45.50 0.41 0.00	42.07 0.25 0.00	35.84 0.39 0.00	33.27 0.00 0.00	32.82 0.10 0.00	36.33 -0.04 0.00	39.73 -0.08 0.00	41.48 -0.04 0.00	43.46 0.22 0.00	43.80 0.48 0.00	43.37 0.51 0.00	48.25 0.48 0.00	51.93 0.46 0.00	54.70 0.33 0.00	59.02 0.35 0.00	61.67 -0.12 0.00	66.34 0.59 0.00	75.48 0.60 0.00	75.99 0.60 0.00	72.21 1.28 0.00	64.12 1.01 0.00	59.08 0.99 0.00	51.76 0.61 -0.30	46.62 0.51 0.00
NEG CENTRAL___INDECK 23768	46.99 1.89 0.00	43.28 1.46 0.00	36.87 1.42 0.00	33.87 0.60 0.00	33.41 0.69 0.00	36.87 0.51 0.00	40.13 0.32 0.00	41.60 0.08 0.00	43.77 0.52 0.00	44.06 0.74 0.00	43.63 0.77 0.00	48.53 0.76 0.00	52.34 0.87 0.00	54.76 0.38 0.00	57.14 -1.53 0.00	60.13 -1.67 0.00	64.70 -1.05 0.00	73.53 -1.35 0.00	74.56 -0.83 0.00	72.07 1.13 0.00	64.30 1.20 0.00	59.32 1.22 0.00	53.58 2.74 0.00	48.19 2.08 0.00
NEG CENTRAL___SENECA 23627	45.77 0.68 0.00	42.28 0.46 0.00	36.05 0.60 0.00	33.37 0.10 0.00	32.92 0.20 0.00	36.40 0.04 0.00	39.81 0.00 0.00	41.52 0.00 0.00	43.59 0.35 0.00	44.02 0.69 0.00	43.58 0.73 0.00	48.44 0.67 0.00	52.13 0.67 0.00	54.81 0.44 0.00	59.20 0.53 0.00	61.61 -0.19 0.00	66.48 0.72 0.00	75.63 0.75 0.00	76.21 0.83 0.00	72.64 1.70 0.00	64.43 1.33 0.00	59.43 1.34 0.00	51.94 0.92 -0.18	46.94 0.83 0.00
NEG CENTRAL___STATE_STREET 24147	45.41 0.32 0.00	41.98 0.17 0.00	35.77 0.32 0.00	33.34 0.07 0.00	32.85 0.13 0.00	36.36 0.00 0.00	39.81 0.00 0.00	41.56 0.04 0.00	43.50 0.26 0.00	43.76 0.43 0.00	43.28 0.43 0.00	48.30 0.53 0.00	52.03 0.57 0.00	54.76 0.38 0.00	59.14 0.47 0.00	61.98 0.19 0.00	66.48 0.72 0.00	75.70 0.82 0.00	76.21 0.83 0.00	72.28 1.35 0.00	64.12 1.01 0.00	59.03 0.93 0.00	51.82 0.61 -0.37	46.48 0.37 0.00
NEG MILLWOOD___DRP 24198	48.34 3.25 0.00	44.83 3.01 0.00	38.39 2.94 0.00	35.94 2.66 0.00	35.27 2.55 0.00	38.91 2.55 0.00	42.75 2.95 0.00	44.80 3.28 0.00	46.62 3.37 0.00	46.57 3.25 0.00	46.46 3.21 -0.39	51.96 3.77 -0.41	56.07 4.43 -0.18	59.79 5.00 -0.41	64.48 5.40 -0.41	68.67 6.30 -0.58	73.25 7.50 0.00	83.04 8.16 0.00	82.17 6.78 0.00	76.54 5.60 0.00	67.90 4.80 0.00	61.41 3.31 0.00	53.79 2.95 0.00	48.74 2.63 0.00
NEG NORTH_FLCN_SEA 23793	44.37 -0.72 0.00	41.23 -0.59 0.00	34.53 -0.92 0.00	32.51 -0.77 0.00	32.03 -0.69 0.00	36.00 -0.36 0.00	39.49 -0.32 0.00	41.23 -0.29 0.00	42.99 -0.26 0.00	43.02 -0.30 0.00	42.64 -0.21 0.00	46.86 -0.91 0.00	50.23 -1.24 0.00	52.20 -2.18 0.00	56.03 -2.64 0.00	59.01 -2.78 0.00	62.27 -3.48 0.00	71.21 -3.67 0.00	71.99 -3.39 0.00	67.67 -3.26 0.00	60.08 -3.03 0.00	56.01 -2.09 0.00	49.67 -1.17 0.00	46.02 -0.09 0.00
NEG NORTH_KES_CHATEGAY 23792	44.28 -0.81 0.00	41.15 -0.67 0.00	34.42 -1.03 0.00	32.44 -0.83 0.00	31.94 -0.79 0.00	35.93 -0.44 0.00	39.37 -0.44 0.00	41.06 -0.46 0.00	42.81 -0.43 0.00	42.85 -0.48 0.00	42.38 -0.47 0.00	46.91 -0.86 0.00	50.28 -1.18 0.00	52.75 -1.63 0.00	56.85 -1.82 0.00	59.81 -1.98 0.00	63.25 -2.50 0.00	72.33 -2.55 0.00	73.12 -2.26 0.00	68.81 -2.13 0.00	61.15 -1.96 0.00	56.99 -1.10 0.00	50.23 -0.61 0.00	45.93 -0.18 0.00
NEG NORTH___ALICE_FALLS 23915	44.64 -0.45 0.00	41.48 -0.33 0.00	34.71 -0.74 0.00	32.68 -0.60 0.00	32.20 -0.52 0.00	36.18 -0.18 0.00	39.69 -0.12 0.00	41.44 -0.08 0.00	43.20 -0.04 0.00	43.28 -0.04 0.00	42.85 0.00 0.00	47.25 -0.53 0.00	50.64 -0.82 0.00	52.85 -1.52 0.00	56.79 -1.88 0.00	59.81 -1.98 0.00	63.19 -2.56 0.00	72.33 -2.55 0.00	73.12 -2.26 0.00	68.74 -2.20 0.00	61.09 -2.02 0.00	56.88 -1.22 0.00	50.28 -0.56 0.00	46.30 0.18 0.00
NEG NORTH___LWR_SARANAC 23913	44.64 -0.45 0.00	41.48 -0.33 0.00	34.71 -0.74 0.00	32.68 -0.60 0.00	32.20 -0.52 0.00	36.18 -0.18 0.00	39.69 -0.12 0.00	41.44 -0.08 0.00	43.20 -0.04 0.00	43.28 -0.04 0.00	42.85 0.00 0.00	47.25 -0.53 0.00	50.64 -0.82 0.00	52.85 -1.52 0.00	56.79 -1.88 0.00	59.81 -1.98 0.00	63.19 -2.56 0.00	72.33 -2.55 0.00	73.12 -2.26 0.00	68.74 -2.20 0.00	61.09 -2.02 0.00	56.88 -1.22 0.00	50.28 -0.56 0.00	46.30 0.18 0.00
NEG NORTH___PLATTSBURG 23628	44.60 -0.50 0.00	41.48 -0.34 0.00	34.71 -0.75 0.00	32.68 -0.60 0.00	32.20 -0.52 0.00	36.18 -0.18 0.00	39.69 -0.12 0.00	41.44 -0.08 0.00	43.20 -0.04 0.00	43.28 -0.04 0.00	42.85 0.00 0.00	47.25 -0.52 0.00	50.64 -0.83 0.00	52.85 -1.52 0.00	56.79 -1.88 0.00	59.38 -2.41 0.00	63.12 -2.63 0.00	72.33 -2.55 0.00	73.12 -2.26 0.00	68.74 -2.20 0.00	61.09 -2.02 0.00	56.87 -1.22 0.00	50.28 -0.56 0.00	46.30 0.19 0.00
NEG WEST_LEA_LOCKPORT 23791	44.46 -0.63 0.00	41.48 -0.33 0.00	35.42 -0.04 0.00	32.28 -1.00 0.00	31.81 -0.92 0.00	34.87 -1.49 0.00	37.62 -2.19 0.00	38.86 -2.66 0.00	41.13 -2.12 0.00	42.15 -1.17 0.00	42.00 -0.86 0.00	46.77 -1.00 0.00	50.43 -1.03 0.00	52.75 -1.63 0.00	56.85 -1.82 0.00	58.45 -3.34 0.00	63.58 -2.17 0.00	71.51 -3.37 0.00	71.92 -3.47 0.00	69.16 -1.77 0.00	61.47 -1.64 0.00	56.76 -1.34 0.00	49.87 -0.97 0.00	45.61 -0.51 0.00
NEG WEST___LANCASTR 23811	44.24 -0.86 0.00	41.02 -0.79 0.00	35.06 -0.39 0.00	32.04 -1.23 0.00	31.61 -1.11 0.00	34.80 -1.56 0.00	37.74 -2.07 0.00	39.24 -2.28 0.00	41.52 -1.73 0.00	42.59 -0.74 0.00	42.38 -0.47 0.00	47.25 -0.53 0.00	51.05 -0.41 0.00	53.51 -0.87 0.00	57.61 -1.06 0.00	59.13 -2.66 0.00	64.37 -1.38 0.00	72.56 -2.32 0.00	72.82 -2.56 0.00	70.01 -0.92 0.00	62.16 -0.95 0.00	57.40 -0.70 0.00	50.18 -0.66 0.00	45.47 -0.65 0.00
NEG_PENN_ALLEGHNY 23528	45.72 0.63 0.00	42.28 0.46 0.00	36.09 0.64 0.00	33.71 0.43 0.00	33.15 0.42 0.00	36.62 0.26 0.00	40.05 0.24 0.00	41.77 0.25 0.00	43.72 0.48 0.00	44.06 0.74 0.00	43.65 0.73 -0.07	48.74 0.91 -0.07	52.52 1.03 -0.03	55.37 0.92 -0.07	59.73 1.00 -0.07	63.05 1.17 -0.09	67.20 1.44 0.00	76.37 1.50 0.00	76.52 1.13 0.00	72.49 1.56 0.00	64.43 1.33 0.00	59.14 1.05 0.00	51.65 0.81 0.00	46.67 0.56 0.00
NEG___GEN_MONROE 24207	45.68 0.59 0.00	42.40 0.59 0.00	36.09 0.64 0.00	33.07 -0.20 0.00	32.62 -0.10 0.00	36.00 -0.36 0.00	39.05 -0.76 0.00	40.57 -0.95 0.00	42.73 -0.52 0.00	43.41 0.09 0.00	43.15 0.30 0.00	48.15 0.38 0.00	51.82 0.36 0.00	54.49 0.11 0.00	58.85 0.18 0.00	61.05 -0.74 0.00	65.82 0.07 0.00	74.50 -0.37 0.00	75.16 -0.23 0.00	71.86 0.92 0.00	63.80 0.69 0.00	58.85 0.76 0.00	51.45 0.61 0.00	46.76 0.65 0.00
NEPA___ENERGY 23901	45.14 0.05 0.00	41.82 0.00 0.00	35.70 0.25 0.00	32.68 -0.60 0.00	32.26 -0.46 0.00	35.53 -0.84 0.00	38.57 -1.23 0.00	40.11 -1.41 0.00	42.42 -0.82 0.00	43.54 0.22 0.00	43.37 0.51 0.00	48.35 0.57 0.00	52.18 0.72 0.00	54.65 0.27 0.00	58.85 0.18 0.00	60.43 -1.36 0.00	65.82 0.07 0.00	74.20 -0.67 0.00	74.48 -0.90 0.00	71.65 0.71 0.00	63.61 0.50 0.00	58.68 0.58 0.00	51.30 0.46 0.00	46.39 0.28 0.00

NEVERSINK___HYD 23608	47.57 2.48 0.00	44.20 2.38 0.00	37.83 2.38 0.00	35.47 2.20 0.00	34.82 2.10 0.00	38.36 2.00 0.00	42.16 2.35 0.00	44.47 2.95 0.00	46.19 2.94 0.00	46.14 2.81 0.00	45.83 2.70 -0.28	50.81 2.72 -0.32	54.79 3.19 -0.14	58.44 3.75 -0.31	62.98 3.99 -0.32	67.61 5.37 -0.44	71.60 5.85 0.00	81.47 6.59 0.00	80.51 5.13 0.00	75.19 4.26 0.00	66.77 3.66 0.00	60.59 2.50 0.00	52.98 2.13 0.00	48.05 1.94 0.00
NEWKRMKL_115KV_TB1 55635	45.99 0.90 0.00	42.65 0.84 0.00	36.55 1.10 0.00	34.51 1.23 0.00	33.87 1.15 0.00	37.16 0.80 0.00	40.76 0.96 0.00	42.60 1.08 0.00	44.11 0.86 0.00	44.02 0.69 0.00	43.26 0.69 0.28	48.33 0.86 0.30	52.36 1.03 0.13	55.39 1.31 0.29	59.84 1.47 0.30	63.41 2.04 0.42	68.18 2.43 0.00	77.72 2.85 0.00	77.42 2.04 0.00	72.50 1.56 0.00	64.62 1.51 0.00	58.85 0.76 0.00	51.40 0.56 0.00	46.62 0.51 0.00
NEWTON___FALLS_HYD 23847	45.50 0.41 0.00	42.15 0.33 0.00	35.42 -0.04 0.00	33.24 -0.03 0.00	32.75 0.03 0.00	36.76 0.40 0.00	40.29 0.48 0.00	41.98 0.46 0.00	43.89 0.65 0.00	43.84 0.52 0.00	43.28 0.43 0.00	48.11 0.33 0.00	51.62 0.15 0.00	54.59 0.22 0.00	58.85 0.18 0.00	61.36 -0.43 0.00	65.03 -0.72 0.00	73.98 -0.90 0.00	75.16 -0.23 0.00	70.94 0.00 0.00	63.74 0.63 0.00	59.38 1.28 0.00	52.24 1.22 -0.18	47.22 1.11 0.00
NGRID_A1_DSASP 323792	44.46 -0.63 0.00	40.73 -1.09 0.00	34.78 -0.67 0.00	31.78 -1.50 0.00	31.22 -1.50 0.00	34.69 -1.67 0.00	37.06 -2.75 0.00	38.16 -3.36 0.00	40.74 -2.51 0.00	41.42 -1.91 0.00	41.35 -1.50 0.00	45.96 -1.82 0.00	49.61 -1.85 0.00	51.82 -2.55 0.00	55.80 -2.87 0.00	57.96 -3.83 0.00	62.40 -3.35 0.00	70.08 -4.79 0.00	70.64 -4.75 0.00	67.89 -3.05 0.00	60.40 -2.71 0.00	55.60 -2.50 0.00	49.32 -1.52 0.00	44.73 -1.38 0.00
NGRID_A2_DSASP 323793	44.46 -0.63 0.00	40.73 -1.09 0.00	34.78 -0.67 0.00	31.78 -1.50 0.00	31.22 -1.50 0.00	34.69 -1.67 0.00	37.06 -2.75 0.00	38.16 -3.36 0.00	40.74 -2.51 0.00	41.42 -1.91 0.00	41.35 -1.50 0.00	45.96 -1.82 0.00	49.61 -1.85 0.00	51.82 -2.55 0.00	55.80 -2.87 0.00	57.96 -3.83 0.00	62.40 -3.35 0.00	70.08 -4.79 0.00	70.64 -4.75 0.00	67.89 -3.05 0.00	60.40 -2.71 0.00	55.60 -2.50 0.00	49.32 -1.52 0.00	44.73 -1.38 0.00
NGRID_A4_DSASP 323807	44.46 -0.63 0.00	40.73 -1.09 0.00	34.78 -0.67 0.00	31.78 -1.50 0.00	31.22 -1.50 0.00	34.69 -1.67 0.00	37.06 -2.75 0.00	38.16 -3.36 0.00	40.74 -2.51 0.00	41.42 -1.91 0.00	41.35 -1.50 0.00	45.96 -1.82 0.00	49.61 -1.85 0.00	51.82 -2.55 0.00	55.80 -2.87 0.00	57.96 -3.83 0.00	62.40 -3.35 0.00	70.08 -4.79 0.00	70.64 -4.75 0.00	67.89 -3.05 0.00	60.40 -2.71 0.00	55.60 -2.50 0.00	49.32 -1.52 0.00	44.73 -1.38 0.00
NIAGARA_115E_LBMP 323715	44.14 -0.95 0.00	41.15 -0.67 0.00	35.13 -0.32 0.00	32.11 -1.17 0.00	31.55 -1.18 0.00	34.43 -1.93 0.00	37.10 -2.71 0.00	38.28 -3.24 0.00	40.82 -2.42 0.00	41.55 -1.78 0.00	41.44 -1.41 0.00	46.10 -1.67 0.00	49.77 -1.70 0.00	51.99 -2.39 0.00	55.97 -2.70 0.00	58.15 -3.65 0.00	62.66 -3.09 0.00	70.46 -4.42 0.00	71.01 -4.37 0.00	68.24 -2.70 0.00	60.65 -2.46 0.00	55.83 -2.27 0.00	49.52 -1.32 0.00	44.87 -1.24 0.00
NIAGARA_115W_LBMP 323714	44.42 -0.68 0.00	40.60 -1.21 0.00	34.67 -0.78 0.00	31.71 -1.56 0.00	31.12 -1.60 0.00	34.65 -1.71 0.00	36.98 -2.83 0.00	38.07 -3.45 0.00	40.61 -2.64 0.00	41.33 -1.99 0.00	41.23 -1.63 0.00	45.81 -1.96 0.00	49.46 -2.01 0.00	51.71 -2.66 0.00	55.62 -3.05 0.00	57.83 -3.96 0.00	62.27 -3.49 0.00	69.93 -4.94 0.00	70.48 -4.90 0.00	67.75 -3.19 0.00	60.21 -2.90 0.00	55.43 -2.67 0.00	49.16 -1.68 0.00	44.59 -1.52 0.00
NIAGARA_230_LBMP 323716	44.55 -0.54 0.00	41.15 -0.67 0.00	35.13 -0.32 0.00	32.14 -1.13 0.00	31.58 -1.15 0.00	34.80 -1.56 0.00	37.50 -2.31 0.00	38.66 -2.86 0.00	41.21 -2.03 0.00	41.94 -1.39 0.00	41.83 -1.03 0.00	46.48 -1.29 0.00	50.18 -1.28 0.00	52.47 -1.90 0.00	56.44 -2.23 0.00	58.70 -3.09 0.00	63.19 -2.57 0.00	71.14 -3.74 0.00	71.62 -3.77 0.00	68.81 -2.13 0.00	61.09 -2.02 0.00	56.24 -1.86 0.00	49.82 -1.02 0.00	45.19 -0.92 0.00
NIAGARA___115KV_198_GIBSON 55903	44.10 -0.99 0.00	40.60 -1.21 0.00	34.67 -0.78 0.00	31.58 -1.70 0.00	31.12 -1.60 0.00	34.65 -1.71 0.00	36.98 -2.83 0.00	38.07 -3.45 0.00	40.30 -2.94 0.00	41.33 -1.99 0.00	41.18 -1.67 0.00	45.81 -1.96 0.00	49.40 -2.06 0.00	51.66 -2.72 0.00	55.62 -3.05 0.00	57.22 -4.57 0.00	62.14 -3.62 0.00	69.86 -5.02 0.00	70.26 -5.13 0.00	67.53 -3.40 0.00	60.02 -3.09 0.00	55.42 -2.67 0.00	48.81 -2.03 0.00	44.59 -1.52 0.00
NIAGARA____ 23760	44.55 -0.54 0.00	41.15 -0.67 0.00	35.13 -0.32 0.00	32.14 -1.13 0.00	31.58 -1.15 0.00	34.80 -1.56 0.00	37.50 -2.31 0.00	38.66 -2.86 0.00	41.21 -2.03 0.00	41.94 -1.39 0.00	41.83 -1.03 0.00	46.48 -1.29 0.00	50.18 -1.28 0.00	52.47 -1.90 0.00	56.44 -2.23 0.00	58.70 -3.09 0.00	63.19 -2.57 0.00	71.14 -3.74 0.00	71.62 -3.77 0.00	68.81 -2.13 0.00	61.09 -2.02 0.00	56.24 -1.86 0.00	49.82 -1.02 0.00	45.19 -0.92 0.00
NINE_MILE_1 23575	43.92 -1.17 0.00	40.69 -1.13 0.00	34.60 -0.85 0.00	32.38 -0.90 0.00	31.84 -0.88 0.00	35.27 -1.09 0.00	38.62 -1.19 0.00	40.28 -1.24 0.00	42.03 -1.21 0.00	42.20 -1.13 0.00	41.78 -1.07 0.00	46.58 -1.19 0.00	50.23 -1.24 0.00	52.96 -1.41 0.00	57.14 -1.53 0.00	60.18 -1.61 0.00	64.17 -1.58 0.00	73.01 -1.87 0.00	73.35 -2.03 0.00	69.31 -1.63 0.00	61.59 -1.52 0.00	56.59 -1.51 0.00	44.92 -1.32 4.60	44.82 -1.29 0.00
NINE_MILE_2 23744	43.92 -1.17 0.00	40.69 -1.13 0.00	34.60 -0.85 0.00	32.38 -0.90 0.00	31.84 -0.88 0.00	35.27 -1.09 0.00	38.62 -1.19 0.00	40.28 -1.24 0.00	42.03 -1.21 0.00	42.20 -1.13 0.00	41.78 -1.07 0.00	46.58 -1.19 0.00	50.23 -1.24 0.00	52.96 -1.41 0.00	57.14 -1.53 0.00	60.18 -1.61 0.00	64.17 -1.58 0.00	73.01 -1.87 0.00	73.42 -1.96 0.00	69.31 -1.63 0.00	61.59 -1.52 0.00	56.65 -1.45 0.00	44.88 -1.32 4.64	44.87 -1.24 0.00
NM_CAPITAL___DRP 24208	46.13 1.04 0.00	42.78 0.96 0.00	36.66 1.21 0.00	34.61 1.33 0.00	33.97 1.24 0.00	37.27 0.91 0.00	40.88 1.07 0.00	42.68 1.16 0.00	44.24 0.99 0.00	44.10 0.78 0.00	43.31 0.77 0.32	48.39 0.96 0.33	52.45 1.13 0.15	55.46 1.41 0.33	59.92 1.58 0.33	63.49 2.16 0.47	68.32 2.56 0.00	77.87 3.00 0.00	77.49 2.11 0.00	72.64 1.70 0.00	64.75 1.64 0.00	58.97 0.87 0.00	51.45 0.61 0.00	46.67 0.55 0.00
NM_CENTRAL___DRP 24181	44.87 -0.23 0.00	41.52 -0.29 0.00	35.38 -0.07 0.00	33.01 -0.27 0.00	32.53 -0.20 0.00	36.00 -0.36 0.00	39.41 -0.40 0.00	41.15 -0.37 0.00	42.94 -0.30 0.00	43.15 -0.17 0.00	42.73 -0.13 0.00	47.68 -0.10 0.00	51.36 -0.10 0.00	54.16 -0.22 0.00	58.49 -0.18 0.00	61.36 -0.43 0.00	65.69 -0.07 0.00	74.73 -0.15 0.00	75.08 -0.30 0.00	71.01 0.07 0.00	63.04 -0.06 0.00	57.98 -0.12 0.00	50.73 -0.25 -0.14	45.75 -0.37 0.00

NM_FRONTIER___DRP 24179	44.10 -0.99 0.00	40.60 -1.21 0.00	34.67 -0.78 0.00	31.58 -1.70 0.00	31.12 -1.60 0.00	34.65 -1.71 0.00	36.98 -2.83 0.00	38.07 -3.45 0.00	40.30 -2.94 0.00	41.33 -1.99 0.00	41.18 -1.67 0.00	45.81 -1.96 0.00	49.40 -2.06 0.00	51.66 -2.72 0.00	55.62 -3.05 0.00	57.22 -4.57 0.00	62.14 -3.62 0.00	69.86 -5.02 0.00	70.26 -5.13 0.00	67.53 -3.40 0.00	60.02 -3.09 0.00	55.42 -2.67 0.00	48.81 -2.03 0.00	44.59 -1.52 0.00
NM_ST_REGIS___HYD 24053	45.27 0.18 0.00	42.07 0.25 0.00	35.10 -0.35 0.00	33.01 -0.27 0.00	32.53 -0.20 0.00	36.62 0.25 0.00	40.17 0.36 0.00	41.85 0.33 0.00	43.63 0.39 0.00	43.67 0.35 0.00	43.20 0.34 0.00	47.87 0.10 0.00	51.26 -0.21 0.00	54.11 -0.27 0.00	58.38 -0.29 0.00	61.23 -0.56 0.00	64.31 -1.45 0.00	73.16 -1.72 0.00	74.10 -1.28 0.00	69.80 -1.13 0.00	62.22 -0.88 0.00	58.33 0.23 0.00	51.35 0.51 0.00	46.81 0.69 0.00
NORTHPORT___1 23551	47.71 2.61 0.00	45.67 3.84 -0.01	39.07 3.62 0.00	36.27 3.00 0.00	35.44 2.71 0.00	39.12 2.76 0.00	43.11 3.30 0.00	45.72 4.19 -0.01	46.84 3.59 0.00	47.30 3.81 -0.17	45.27 2.78 0.37	45.32 3.34 5.79	45.49 3.81 9.78	49.31 4.40 9.47	56.12 4.70 7.25	61.88 6.49 6.40	66.04 6.97 6.68	65.10 7.86 17.63	67.93 6.18 13.63	74.33 4.89 1.50	67.86 4.04 -0.71	57.12 2.55 3.53	45.27 2.18 7.76	45.19 1.29 2.21
NORTHPORT___2 23552	47.71 2.61 0.00	45.67 3.84 -0.01	39.07 3.62 0.00	36.27 3.00 0.00	35.44 2.71 0.00	39.12 2.76 0.00	43.11 3.30 0.00	45.72 4.19 -0.01	46.84 3.59 0.00	47.30 3.81 -0.17	45.27 2.78 0.37	45.32 3.34 5.79	45.49 3.81 9.78	49.31 4.40 9.47	56.12 4.70 7.25	61.88 6.49 6.40	66.04 6.97 6.68	65.10 7.86 17.63	67.93 6.18 13.63	74.33 4.89 1.50	67.86 4.04 -0.71	57.12 2.55 3.53	45.27 2.18 7.76	45.19 1.29 2.21
NORTHPORT___3 23553	47.03 1.94 0.00	45.17 3.35 -0.01	38.64 3.19 0.00	35.90 2.63 0.00	35.11 2.39 0.00	38.72 2.36 0.00	42.68 2.87 0.00	45.22 3.69 -0.01	46.32 3.07 0.00	46.78 3.29 -0.17	45.05 2.57 0.38	45.05 3.06 5.78	45.10 3.50 9.87	48.87 4.08 9.59	55.74 4.40 7.33	61.34 6.06 6.51	66.02 6.77 6.51	64.84 7.71 17.75	67.68 5.95 13.66	73.87 4.47 1.54	67.40 3.66 -0.63	56.78 2.26 3.58	45.14 2.09 7.78	45.05 1.15 2.22
NORTHPORT___4 23650	47.03 1.94 0.00	45.17 3.35 -0.01	38.64 3.19 0.00	35.90 2.63 0.00	35.11 2.39 0.00	38.72 2.36 0.00	42.68 2.87 0.00	45.22 3.69 -0.01	46.32 3.07 0.00	46.78 3.29 -0.17	45.05 2.57 0.38	45.05 3.06 5.78	45.10 3.50 9.87	48.87 4.08 9.59	55.74 4.40 7.33	61.34 6.06 6.51	66.02 6.77 6.51	64.84 7.71 17.75	67.68 5.95 13.66	73.87 4.47 1.54	67.40 3.66 -0.63	56.78 2.26 3.58	45.14 2.09 7.78	45.05 1.15 2.22
NORTHPORT___IC 23718	48.16 3.07 0.00	45.66 3.85 0.00	39.07 3.62 0.00	36.27 2.99 0.00	35.44 2.72 0.00	39.13 2.76 0.00	43.11 3.30 0.00	45.63 4.11 0.00	47.05 3.81 0.00	47.30 3.81 -0.17	45.31 2.83 0.37	45.18 3.20 5.79	45.54 3.86 9.78	49.42 4.51 9.47	56.17 4.75 7.25	61.26 5.87 6.40	66.11 7.04 6.68	65.18 7.94 17.63	68.01 6.26 13.63	74.41 4.97 1.50	67.86 4.04 -0.71	57.13 2.56 3.53	45.37 2.29 7.76	45.15 1.25 2.21
NORTH___COUNTRY_ESR 323785	44.19 -0.90 0.00	41.07 -0.75 0.00	34.35 -1.10 0.00	32.34 -0.93 0.00	31.87 -0.85 0.00	35.85 -0.51 0.00	39.29 -0.52 0.00	41.02 -0.50 0.00	42.77 -0.47 0.00	42.81 -0.52 0.00	42.38 -0.47 0.00	46.86 -0.91 0.00	50.23 -1.24 0.00	52.69 -1.69 0.00	56.79 -1.88 0.00	59.32 -2.47 0.00	63.12 -2.63 0.00	72.19 -2.69 0.00	72.90 -2.49 0.00	68.60 -2.34 0.00	60.96 -2.15 0.00	56.82 -1.28 0.00	50.08 -0.76 0.00	45.79 -0.32 0.00
NPX_GEN_1385_PROXY 323591	47.53 2.43 0.00	45.67 3.84 -0.01	39.07 3.62 0.00	36.27 3.00 0.00	35.44 2.71 0.00	39.12 2.76 0.00	43.11 3.30 0.00	45.55 4.03 -0.01	46.40 3.16 0.00	46.87 3.38 -0.17	44.76 2.27 0.37	44.99 3.01 5.79	45.34 3.65 9.78	49.20 4.29 9.47	56.00 4.58 7.25	61.70 6.31 6.40	66.50 7.43 6.68	66.30 9.06 17.63	68.91 7.17 13.63	74.55 5.11 1.50	68.05 4.23 -0.71	57.30 2.73 3.53	45.83 2.04 7.05	44.17 0.97 2.91
NPX_GEN_CSC 323557	47.98 2.89 0.00	45.59 3.77 -0.01	38.86 3.40 0.00	36.03 2.76 0.00	35.21 2.49 0.00	38.87 2.51 0.00	42.87 3.07 0.00	45.60 4.07 -0.01	46.97 3.72 0.00	47.56 4.07 -0.17	46.87 3.47 -0.55	51.93 4.06 -0.10	57.16 4.58 -1.11	62.10 5.49 -2.24	66.20 5.87 -1.66	72.25 7.66 -2.80	86.01 8.35 -11.91	132.46 9.59 -48.00	87.20 7.77 -4.05	78.13 6.39 -0.81	70.59 5.11 -2.37	63.29 3.60 -1.59	54.47 2.85 -0.78	47.18 1.94 0.87
NSINS_S_GLNS_FALLS 23858	47.44 2.34 0.00	44.07 2.26 0.00	37.58 2.13 0.00	35.27 2.00 0.00	34.65 1.93 0.00	38.33 1.96 0.00	41.92 2.11 0.00	43.80 2.28 0.00	45.36 2.12 0.00	45.14 1.82 0.00	44.03 1.50 0.33	49.05 1.62 0.34	53.17 1.85 0.15	56.21 2.18 0.34	60.97 2.64 0.34	64.65 3.34 0.48	69.70 3.95 0.00	79.82 4.94 0.00	80.13 4.75 0.00	75.33 4.40 0.00	67.53 4.42 0.00	61.41 3.31 0.00	53.28 2.44 0.00	48.19 2.08 0.00
NUCOR_STEEL___DRP 24197	45.41 0.32 0.00	42.03 0.21 0.00	35.81 0.35 0.00	33.37 0.10 0.00	32.85 0.13 0.00	36.36 0.00 0.00	39.77 -0.04 0.00	41.52 0.00 0.00	43.37 0.13 0.00	43.63 0.30 0.00	43.15 0.30 0.00	48.15 0.38 0.00	51.88 0.41 0.00	54.65 0.27 0.00	59.02 0.35 0.00	61.85 0.06 0.00	66.34 0.59 0.00	75.55 0.67 0.00	76.06 0.68 0.00	72.07 1.13 0.00	63.93 0.82 0.00	58.91 0.81 0.00	51.75 0.51 -0.40	46.44 0.32 0.00
NUMBER_THREE_WT_PWR 323818	45.59 0.50 0.00	42.19 0.38 0.00	35.67 0.21 0.00	33.44 0.17 0.00	32.98 0.26 0.00	36.83 0.47 0.00	40.37 0.56 0.00	42.10 0.58 0.00	44.20 0.95 0.00	44.10 0.78 0.00	43.50 0.64 0.00	48.44 0.67 0.00	52.03 0.57 0.00	55.14 0.76 0.00	59.32 0.65 0.00	61.79 0.00 0.00	65.82 0.07 0.00	75.03 0.15 0.00	76.44 1.05 0.00	72.28 1.34 0.00	65.38 2.27 0.00	60.54 2.44 0.00	53.03 1.98 -0.21	47.68 1.57 0.00
NYISO_LBMP_REFERENCE 24008	45.09 0.00 0.00	41.82 0.00 0.00	35.45 0.00 0.00	33.27 0.00 0.00	32.72 0.00 0.00	36.36 0.00 0.00	39.81 0.00 0.00	41.52 0.00 0.00	43.25 0.00 0.00	43.32 0.00 0.00	42.85 0.00 0.00	47.77 0.00 0.00	51.46 0.00 0.00	54.38 0.00 0.00	58.67 0.00 0.00	61.79 0.00 0.00	65.75 0.00 0.00	74.88 0.00 0.00	75.38 0.00 0.00	70.94 0.00 0.00	63.11 0.00 0.00	58.10 0.00 0.00	50.84 0.00 0.00	46.11 0.00 0.00
NYPA_BRENTWD____GT 24164	48.61 3.52 0.00	46.30 4.48 -0.01	39.53 4.08 0.00	36.67 3.40 0.00	35.83 3.11 0.00	39.56 3.20 0.00	43.59 3.78 0.00	46.30 4.77 -0.01	47.61 4.37 0.00	48.13 4.64 -0.17	47.24 3.86 -0.53	52.86 4.59 -0.50	57.92 5.15 -1.31	62.70 5.76 -2.56	66.72 6.22 -1.83	73.07 8.03 -3.25	91.42 8.54 -17.12	97.90 9.43 -13.59	83.79 7.69 -0.71	78.49 6.60 -0.95	71.63 5.68 -2.84	64.44 4.07 -2.28	54.44 3.56 -0.04	48.35 2.44 0.21

NYPA_GOWANUS____GT5 24156	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.82 3.29 -0.29	51.11 3.42 -4.36	51.55 3.38 -5.32	53.08 4.11 -1.20	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.28 6.74 -0.76	82.54 7.36 -9.42	83.28 8.24 -0.16	81.78 6.40 0.01	76.10 5.18 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
NYPA_GOWANUS____GT6 24157	48.84 3.74 -0.01	45.38 3.55 -0.01	38.94 3.48 -0.01	36.38 3.10 -0.01	35.68 2.95 -0.01	39.24 2.87 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.82 3.29 -0.29	51.11 3.42 -4.36	51.55 3.38 -5.32	53.08 4.11 -1.20	56.46 4.79 -0.21	60.05 5.22 -0.45	64.17 5.05 -0.46	69.28 6.74 -0.76	82.54 7.36 -9.42	83.28 8.24 -0.16	81.78 6.40 0.01	76.10 5.18 0.01	67.52 4.42 0.01	60.76 2.67 0.01	54.14 3.30 0.00	49.40 3.27 -0.01
NYPA_HARLEM__RVR__GT1 24160	48.57 3.47 -0.01	45.17 3.35 -0.01	38.79 3.33 -0.01	36.24 2.96 -0.01	35.54 2.81 -0.01	39.21 2.84 -0.01	43.08 3.27 -0.01	45.39 3.86 -0.01	46.73 3.16 -0.33	51.45 3.21 -4.92	51.92 3.13 -5.94	52.95 3.87 -1.31	56.46 4.79 -0.21	60.05 5.22 -0.45	64.30 5.16 -0.47	68.97 6.43 -0.76	84.10 7.04 -11.31	82.95 7.86 -0.21	81.80 6.40 -0.01	76.05 5.11 -0.01	67.41 4.29 -0.01	60.88 2.79 0.01	54.15 3.30 -0.01	49.12 3.00 -0.01
NYPA_HARLEM__RVR__GT2 24161	48.57 3.47 -0.01	45.17 3.35 -0.01	38.79 3.33 -0.01	36.24 2.96 -0.01	35.54 2.81 -0.01	39.21 2.84 -0.01	43.08 3.27 -0.01	45.39 3.86 -0.01	46.73 3.16 -0.33	51.45 3.21 -4.92	51.92 3.13 -5.94	52.95 3.87 -1.31	56.46 4.79 -0.21	60.05 5.22 -0.45	64.30 5.16 -0.47	68.97 6.43 -0.76	84.10 7.04 -11.31	82.95 7.86 -0.21	81.80 6.40 -0.01	76.05 5.11 -0.01	67.41 4.29 -0.01	60.88 2.79 0.01	54.15 3.30 -0.01	49.12 3.00 -0.01
NYPA_KENT____GT 24152	48.75 3.65 -0.01	45.29 3.47 -0.01	38.90 3.44 -0.01	36.31 3.03 -0.01	35.61 2.88 -0.01	39.21 2.84 -0.01	43.12 3.30 -0.01	45.39 3.86 -0.01	46.97 3.38 -0.35	52.11 3.51 -5.28	52.62 3.43 -6.34	53.24 4.11 -1.36	56.46 4.79 -0.21	60.00 5.17 -0.45	64.23 5.10 -0.46	69.28 6.74 -0.76	84.79 7.30 -11.74	83.33 8.24 -0.22	81.78 6.40 0.01	76.04 5.11 0.01	67.45 4.35 0.01	60.76 2.67 0.01	54.10 3.26 0.00	49.30 3.18 -0.01
NYPA_POUCH1____GT 24155	48.80 3.70 -0.01	45.38 3.55 -0.01	38.90 3.44 -0.01	36.34 3.06 -0.01	35.64 2.91 -0.01	39.21 2.84 -0.01	43.04 3.22 -0.01	45.27 3.74 -0.01	46.59 3.07 -0.28	50.64 3.21 -4.11	51.01 3.13 -5.03	52.75 3.82 -1.15	54.85 4.48 1.09	55.67 4.90 3.61	56.59 4.75 6.83	68.04 6.49 0.23	81.47 7.04 -8.68	82.29 7.93 0.52	80.59 6.03 0.83	74.42 4.83 1.35	57.22 4.10 9.98	57.50 2.38 2.98	53.94 3.10 0.00	49.30 3.18 -0.01
NYPA_VERNON____GT2 24162	48.66 3.56 -0.01	45.21 3.39 -0.01	38.83 3.37 -0.01	36.24 2.96 -0.01	35.58 2.85 -0.01	39.17 2.80 -0.01	43.08 3.27 -0.01	45.39 3.86 -0.01	47.05 3.46 -0.34	52.03 3.55 -5.16	52.53 3.47 -6.20	53.27 4.15 -1.34	56.46 4.79 -0.21	60.00 5.17 -0.45	64.29 5.16 -0.46	69.28 6.74 -0.76	84.48 7.30 -11.43	83.33 8.24 -0.21	81.86 6.48 0.01	76.04 5.11 0.01	67.39 4.29 0.01	60.82 2.73 0.01	54.05 3.20 0.00	49.21 3.09 -0.01
NYPA_VERNON____GT3 24163	48.66 3.56 -0.01	45.21 3.39 -0.01	38.83 3.37 -0.01	36.24 2.96 -0.01	35.58 2.85 -0.01	39.17 2.80 -0.01	43.08 3.27 -0.01	45.39 3.86 -0.01	47.05 3.46 -0.34	52.03 3.55 -5.16	52.53 3.47 -6.20	53.27 4.15 -1.34	56.46 4.79 -0.21	60.00 5.17 -0.45	64.29 5.16 -0.46	69.28 6.74 -0.76	84.48 7.30 -11.43	83.33 8.24 -0.21	81.86 6.48 0.01	76.04 5.11 0.01	67.39 4.29 0.01	60.82 2.73 0.01	54.05 3.20 0.00	49.21 3.09 -0.01
NYPA____ASTORIA_CC1 323568	48.62 3.52 -0.01	45.17 3.35 -0.01	38.79 3.33 -0.01	36.24 2.96 -0.01	35.54 2.81 -0.01	39.13 2.76 -0.01	43.04 3.22 -0.01	45.35 3.82 -0.01	46.96 3.38 -0.34	51.85 3.42 -5.11	52.35 3.34 -6.15	53.16 4.06 -1.33	56.40 4.73 -0.21	59.94 5.11 -0.45	64.17 5.05 -0.46	69.09 6.55 -0.76	84.23 7.17 -11.31	83.10 8.02 -0.21	81.63 6.25 0.01	75.89 4.96 0.01	67.20 4.10 0.01	60.71 2.62 0.01	53.99 3.15 0.00	49.17 3.04 -0.01
NYPA____ASTORIA_CC2 323569	48.62 3.52 -0.01	45.17 3.35 -0.01	38.79 3.33 -0.01	36.24 2.96 -0.01	35.54 2.81 -0.01	39.13 2.76 -0.01	43.04 3.22 -0.01	45.35 3.82 -0.01	46.96 3.38 -0.34	51.85 3.42 -5.11	52.35 3.34 -6.15	53.16 4.06 -1.33	56.40 4.73 -0.21	59.94 5.11 -0.45	64.17 5.05 -0.46	69.09 6.55 -0.76	84.23 7.17 -11.31	83.10 8.02 -0.21	81.63 6.25 0.01	75.89 4.96 0.01	67.20 4.10 0.01	60.71 2.62 0.01	53.99 3.15 0.00	49.17 3.04 -0.01
NYPA____HOLTSVILL 23794	48.16 3.07 0.00	45.80 3.97 -0.01	39.10 3.65 0.00	36.27 3.00 0.00	35.44 2.71 0.00	39.12 2.76 0.00	43.15 3.34 0.00	45.81 4.28 -0.01	47.14 3.89 0.00	47.69 4.20 -0.17	46.92 3.51 -0.55	51.91 4.01 -0.12	57.10 4.53 -1.10	61.93 5.33 -2.22	66.40 5.69 -2.04	71.97 7.41 -2.77	110.51 8.09 -36.68	167.21 9.13 -83.20	111.40 7.39 -28.62	77.84 6.10 -0.81	70.43 4.98 -2.34	63.17 3.49 -1.58	53.89 2.95 -0.10	47.99 2.03 0.16
NYPA____HELLGATE_GT1 24158	48.57 3.47 -0.01	45.17 3.35 -0.01	38.79 3.33 -0.01	36.24 2.96 -0.01	35.54 2.81 -0.01	39.21 2.84 -0.01	43.08 3.27 -0.01	45.39 3.86 -0.01	46.73 3.16 -0.33	51.45 3.21 -4.92	51.92 3.13 -5.94	52.95 3.87 -1.31	56.46 4.79 -0.21	60.05 5.22 -0.45	64.30 5.16 -0.47	68.97 6.43 -0.76	84.10 7.04 -11.31	82.95 7.86 -0.21	81.80 6.40 -0.01	76.05 5.11 -0.01	67.41 4.29 -0.01	60.88 2.79 0.01	54.15 3.30 -0.01	49.12 3.00 -0.01
NYPA____HELLGATE_GT2 24159	48.57 3.47 -0.01	45.17 3.35 -0.01	38.79 3.33 -0.01	36.24 2.96 -0.01	35.54 2.81 -0.01	39.21 2.84 -0.01	43.08 3.27 -0.01	45.39 3.86 -0.01	46.73 3.16 -0.33	51.45 3.21 -4.92	51.92 3.13 -5.94	52.95 3.87 -1.31	56.46 4.79 -0.21	60.05 5.22 -0.45	64.30 5.16 -0.47	68.97 6.43 -0.76	84.10 7.04 -11.31	82.95 7.86 -0.21	81.80 6.40 -0.01	76.05 5.11 -0.01	67.41 4.29 -0.01	60.88 2.79 0.01	54.15 3.30 -0.01	49.12 3.00 -0.01
NYS_BARGE____HYD 23848	44.82 -0.27 0.00	41.57 -0.25 0.00	35.49 0.04 0.00	32.44 -0.83 0.00	31.87 -0.85 0.00	34.91 -1.46 0.00	37.66 -2.15 0.00	38.91 -2.61 0.00	41.47 -1.77 0.00	42.20 -1.13 0.00	42.13 -0.73 0.00	46.82 -0.96 0.00	50.59 -0.88 0.00	52.85 -1.52 0.00	56.97 -1.70 0.00	59.20 -2.59 0.00	63.78 -1.97 0.00	71.66 -3.22 0.00	72.29 -3.09 0.00	69.52 -1.42 0.00	61.78 -1.33 0.00	56.82 -1.28 0.00	50.43 -0.41 0.00	45.61 -0.51 0.00
OAK ORCHARD____HYD 24046	45.45 0.36 0.00	41.98 0.17 0.00	35.73 0.28 0.00	32.94 -0.33 0.00	32.43 -0.30 0.00	35.78 -0.58 0.00	38.89 -0.91 0.00	40.44 -1.08 0.00	42.86 -0.39 0.00	43.32 0.00 0.00	43.07 0.22 0.00	48.06 0.29 0.00	51.83 0.36 0.00	54.49 0.11 0.00	58.79 0.12 0.00	61.54 -0.25 0.00	65.95 0.20 0.00	74.51 -0.37 0.00	75.01 -0.38 0.00	71.57 0.64 0.00	63.55 0.44 0.00	58.45 0.35 0.00	51.30 0.46 0.00	46.39 0.28 0.00

OAKDALE___35_KV_LOAD 356122	45.59 0.50 0.00	42.19 0.38 0.00	36.05 0.60 0.00	33.61 0.33 0.00	33.11 0.39 0.00	36.54 0.18 0.00	39.97 0.16 0.00	41.64 0.12 0.00	43.55 0.30 0.00	43.89 0.56 0.00	43.52 0.60 -0.07	48.54 0.76 0.00	52.29 0.82 0.00	55.19 0.82 0.00	59.49 0.82 0.00	62.29 0.49 0.00	66.94 1.18 0.00	76.08 1.20 0.00	76.14 0.75 0.00	72.14 1.21 0.00	64.18 1.07 0.00	58.91 0.81 0.00	51.45 0.61 0.00	46.53 0.42 0.00
OCC_CHEM___DRP 24175	44.19 -0.90 0.00	40.73 -1.09 0.00	34.78 -0.67 0.00	31.68 -1.60 0.00	31.22 -1.51 0.00	34.69 -1.67 0.00	37.06 -2.75 0.00	38.16 -3.36 0.00	40.43 -2.81 0.00	41.42 -1.91 0.00	41.27 -1.59 0.00	45.96 -1.82 0.00	49.51 -1.96 0.00	51.82 -2.56 0.00	55.79 -2.87 0.00	57.40 -4.39 0.00	62.33 -3.42 0.00	70.09 -4.79 0.00	70.41 -4.98 0.00	67.67 -3.26 0.00	60.20 -2.90 0.00	55.60 -2.50 0.00	48.96 -1.88 0.00	44.69 -1.43 0.00
OH_GEN_PROXY 24063	44.55 -0.54 0.00	41.15 -0.67 0.00	35.13 -0.32 0.00	32.14 -1.13 0.00	31.58 -1.15 0.00	34.80 -1.56 0.00	37.54 -2.27 0.00	38.74 -2.78 0.00	41.30 -1.95 0.00	42.03 -1.30 0.00	41.91 -0.94 0.00	46.58 -1.19 0.00	50.28 -1.18 0.00	52.58 -1.79 0.00	56.61 -2.06 0.00	58.89 -2.90 0.00	63.39 -2.36 0.00	71.36 -3.52 0.00	71.84 -3.54 0.00	68.95 -1.99 0.00	61.28 -1.83 0.00	56.36 -1.74 0.00	50.63 -0.91 -0.70	44.49 -0.92 0.70
OLIN_CORP_DRP 24177	43.97 -1.13 0.00	41.19 -0.63 0.00	35.17 -0.28 0.00	32.04 -1.23 0.00	31.58 -1.15 0.00	34.51 -1.85 0.00	37.22 -2.59 0.00	38.36 -3.16 0.00	40.65 -2.59 0.00	41.63 -1.69 0.00	41.48 -1.37 0.00	46.20 -1.58 0.00	49.77 -1.70 0.00	52.09 -2.28 0.00	56.09 -2.58 0.00	57.71 -4.08 0.00	62.73 -3.02 0.00	70.54 -4.34 0.00	70.94 -4.45 0.00	68.24 -2.70 0.00	60.58 -2.52 0.00	55.95 -2.15 0.00	49.21 -1.63 0.00	44.96 -1.15 0.00
OLIN_CORP_DSASP 323712	44.46 -0.63 0.00	40.73 -1.09 0.00	34.78 -0.67 0.00	31.78 -1.50 0.00	31.22 -1.50 0.00	34.69 -1.67 0.00	37.06 -2.75 0.00	38.16 -3.36 0.00	40.74 -2.51 0.00	41.42 -1.91 0.00	41.35 -1.50 0.00	45.96 -1.82 0.00	49.61 -1.85 0.00	51.82 -2.55 0.00	55.80 -2.87 0.00	57.96 -3.83 0.00	62.40 -3.35 0.00	70.08 -4.79 0.00	70.64 -4.75 0.00	67.89 -3.05 0.00	60.40 -2.71 0.00	55.60 -2.50 0.00	49.32 -1.52 0.00	44.73 -1.38 0.00
ONEIDA_HERK_LFGE 323681	46.04 0.95 0.00	42.61 0.79 0.00	36.12 0.67 0.00	33.87 0.60 0.00	33.38 0.65 0.00	37.16 0.80 0.00	40.73 0.92 0.00	42.48 0.96 0.00	44.45 1.21 0.00	44.41 1.08 0.00	43.80 0.94 0.00	48.82 1.05 0.00	52.55 1.08 0.00	55.68 1.30 0.00	60.02 1.35 0.00	62.96 1.17 0.00	67.13 1.38 0.00	76.45 1.57 0.00	77.49 2.11 0.00	73.06 2.13 0.00	65.57 2.46 0.00	60.36 2.26 0.00	52.57 1.73 0.00	47.55 1.43 0.00
ONEIDA___115KV_TB4 55905	46.40 1.31 0.00	42.90 1.09 0.00	36.48 1.03 0.00	34.14 0.87 0.00	33.67 0.95 0.00	37.38 1.02 0.00	40.96 1.15 0.00	42.72 1.20 0.00	44.63 1.38 0.00	44.62 1.30 0.00	44.05 1.20 0.00	49.16 1.39 0.00	52.90 1.44 0.00	56.06 1.69 0.00	60.49 1.82 0.00	63.46 1.67 0.00	67.92 2.17 0.00	77.27 2.40 0.00	78.17 2.79 0.00	73.84 2.91 0.00	65.88 2.78 0.00	60.48 2.38 0.00	52.67 1.83 0.00	47.59 1.48 0.00
ONONDAGA_REF_OCCRA 23987	45.05 -0.05 0.00	41.69 -0.13 0.00	35.49 0.04 0.00	33.14 -0.13 0.00	32.66 -0.07 0.00	36.14 -0.22 0.00	39.57 -0.24 0.00	41.31 -0.21 0.00	43.12 -0.13 0.00	43.32 0.00 0.00	42.85 0.00 0.00	47.82 0.05 0.00	51.57 0.10 0.00	54.38 0.00 0.00	58.73 0.06 0.00	61.61 -0.19 0.00	65.95 0.20 0.00	75.03 0.15 0.00	75.46 0.08 0.00	71.36 0.43 0.00	63.36 0.25 0.00	58.27 0.17 0.00	50.99 0.00 -0.15	45.93 -0.18 0.00
ONONDAGA___COGEN 23986	45.05 -0.05 0.00	41.73 -0.08 0.00	35.52 0.07 0.00	33.14 -0.13 0.00	32.66 -0.07 0.00	36.14 -0.22 0.00	39.57 -0.24 0.00	41.31 -0.21 0.00	43.16 -0.09 0.00	43.37 0.04 0.00	42.90 0.04 0.00	47.87 0.10 0.00	51.57 0.10 0.00	54.32 -0.05 0.00	58.67 0.00 0.00	61.54 -0.25 0.00	65.88 0.13 0.00	75.03 0.15 0.00	75.46 0.08 0.00	71.36 0.43 0.00	63.30 0.19 0.00	58.27 0.17 0.00	51.37 0.05 -0.48	46.02 -0.09 0.00
ONTARIO___LFGE 23819	45.86 0.77 0.00	42.28 0.46 0.00	36.05 0.60 0.00	33.41 0.13 0.00	32.92 0.20 0.00	36.40 0.04 0.00	39.81 0.00 0.00	41.52 0.00 0.00	43.68 0.43 0.00	44.02 0.69 0.00	43.63 0.77 0.00	48.44 0.67 0.00	52.18 0.72 0.00	54.87 0.49 0.00	59.20 0.53 0.00	62.10 0.31 0.00	66.54 0.79 0.00	75.70 0.83 0.00	76.29 0.91 0.00	72.78 1.84 0.00	64.56 1.45 0.00	59.43 1.34 0.00	52.09 1.07 -0.18	46.95 0.83 0.00
ORANGEVILLE_WT_PWR 323706	45.05 -0.05 0.00	41.61 -0.21 0.00	35.56 0.11 0.00	32.64 -0.63 0.00	32.10 -0.62 0.00	35.38 -0.98 0.00	38.38 -1.43 0.00	39.69 -1.83 0.00	42.08 -1.17 0.00	42.68 -0.65 0.00	42.47 -0.39 0.00	47.29 -0.48 0.00	51.00 -0.46 0.00	53.18 -1.20 0.00	57.14 -1.53 0.00	59.57 -2.22 0.00	64.17 -1.58 0.00	72.48 -2.40 0.00	73.27 -2.11 0.00	70.72 -0.21 0.00	63.04 -0.06 0.00	58.04 -0.06 0.00	51.15 0.31 0.00	46.16 0.05 0.00
ORANGEVILLE___ESR 323794	45.05 -0.05 0.00	41.61 -0.21 0.00	35.56 0.11 0.00	32.64 -0.63 0.00	32.10 -0.62 0.00	35.38 -0.98 0.00	38.38 -1.43 0.00	39.69 -1.83 0.00	42.08 -1.17 0.00	42.68 -0.65 0.00	42.47 -0.39 0.00	47.29 -0.48 0.00	51.00 -0.46 0.00	53.18 -1.20 0.00	57.14 -1.53 0.00	59.57 -2.22 0.00	64.17 -1.58 0.00	72.48 -2.40 0.00	73.27 -2.11 0.00	70.72 -0.21 0.00	63.04 -0.06 0.00	58.04 -0.06 0.00	51.15 0.31 0.00	46.16 0.05 0.00
OSWEGATCHIE___HYD 24044	45.50 0.40 0.00	42.15 0.33 0.00	35.42 -0.04 0.00	33.24 -0.03 0.00	32.75 0.03 0.00	36.76 0.40 0.00	40.29 0.48 0.00	41.98 0.46 0.00	43.89 0.65 0.00	43.85 0.52 0.00	43.28 0.43 0.00	48.15 0.38 0.00	51.62 0.15 0.00	54.60 0.22 0.00	58.85 0.18 0.00	61.17 -0.62 0.00	65.03 -0.72 0.00	73.98 -0.90 0.00	75.16 -0.23 0.00	71.01 0.07 0.00	63.74 0.63 0.00	59.37 1.28 0.00	52.29 1.27 -0.18	47.22 1.10 0.00
OSWEGO___5 23606	44.28 -0.81 0.00	41.02 -0.80 0.00	34.88 -0.57 0.00	32.61 -0.67 0.00	32.10 -0.62 0.00	35.56 -0.80 0.00	38.89 -0.91 0.00	40.57 -0.95 0.00	42.38 -0.86 0.00	42.50 -0.82 0.00	42.13 -0.73 0.00	46.96 -0.81 0.00	50.59 -0.88 0.00	53.40 -0.98 0.00	57.55 -1.12 0.00	60.68 -1.11 0.00	64.63 -1.12 0.00	73.53 -1.35 0.00	73.95 -1.43 0.00	69.87 -1.06 0.00	62.10 -1.01 0.00	57.05 -1.04 0.00	52.86 -0.91 -2.94	45.19 -0.92 0.00
OSWEGO___6 23613	44.28 -0.81 0.00	41.02 -0.80 0.00	34.88 -0.57 0.00	32.61 -0.67 0.00	32.10 -0.62 0.00	35.56 -0.80 0.00	38.89 -0.91 0.00	40.57 -0.95 0.00	42.38 -0.86 0.00	42.50 -0.82 0.00	42.13 -0.73 0.00	46.96 -0.81 0.00	50.59 -0.88 0.00	53.40 -0.98 0.00	57.55 -1.12 0.00	60.68 -1.11 0.00	64.63 -1.12 0.00	73.53 -1.35 0.00	73.95 -1.43 0.00	69.87 -1.06 0.00	62.10 -1.01 0.00	57.05 -1.04 0.00	52.86 -0.91 -2.94	45.19 -0.92 0.00

OUTOKUMPU-AB___DRP 24206	45.05 -0.05 0.00	41.73 -0.08 0.00	35.66 0.21 0.00	32.48 -0.80 0.00	32.00 -0.72 0.00	35.27 -1.09 0.00	37.98 -1.83 0.00	39.28 -2.24 0.00	41.60 -1.64 0.00	42.63 -0.69 0.00	42.51 -0.34 0.00	47.34 -0.43 0.00	51.10 -0.36 0.00	53.45 -0.92 0.00	57.61 -1.06 0.00	59.20 -2.60 0.00	64.37 -1.38 0.00	72.18 -2.70 0.00	72.67 -2.71 0.00	69.87 -1.06 0.00	62.16 -0.95 0.00	57.34 -0.76 0.00	50.38 -0.46 0.00	45.93 -0.18 0.00
OXBOW___BTM 323836	45.00 -0.09 0.00	41.32 -0.50 0.00	35.28 -0.18 0.00	32.24 -1.03 0.00	31.67 -1.05 0.00	35.05 -1.31 0.00	37.58 -2.23 0.00	38.78 -2.74 0.00	41.39 -1.86 0.00	42.11 -1.21 0.00	42.08 -0.77 0.00	46.77 -1.01 0.00	50.54 -0.92 0.00	52.80 -1.58 0.00	56.85 -1.82 0.00	59.07 -2.72 0.00	63.65 -2.11 0.00	71.06 -3.82 0.00	71.62 -3.77 0.00	68.81 -2.13 0.00	61.53 -1.58 0.00	56.65 -1.45 0.00	50.18 -0.66 0.00	45.42 -0.69 0.00
OXBOW___ 24026	44.69 -0.41 0.00	41.31 -0.50 0.00	35.27 -0.18 0.00	32.11 -1.16 0.00	31.67 -1.05 0.00	35.05 -1.31 0.00	37.58 -2.23 0.00	38.78 -2.74 0.00	41.08 -2.16 0.00	42.11 -1.21 0.00	42.00 -0.86 0.00	46.77 -1.00 0.00	50.43 -1.03 0.00	52.80 -1.58 0.00	56.85 -1.82 0.00	58.45 -3.34 0.00	63.52 -2.24 0.00	70.98 -3.89 0.00	71.31 -4.07 0.00	68.60 -2.34 0.00	61.34 -1.77 0.00	56.64 -1.45 0.00	49.77 -1.07 0.00	45.42 -0.69 0.00
OXY_CHEM_DSASP 323612	44.19 -0.90 0.00	40.73 -1.09 0.00	34.78 -0.67 0.00	31.68 -1.60 0.00	31.22 -1.51 0.00	34.69 -1.67 0.00	37.06 -2.75 0.00	38.16 -3.36 0.00	40.43 -2.81 0.00	41.42 -1.91 0.00	41.27 -1.59 0.00	45.96 -1.82 0.00	49.51 -1.96 0.00	51.82 -2.56 0.00	55.79 -2.87 0.00	57.40 -4.39 0.00	62.33 -3.42 0.00	70.09 -4.79 0.00	70.41 -4.98 0.00	67.67 -3.26 0.00	60.20 -2.90 0.00	55.60 -2.50 0.00	48.96 -1.88 0.00	44.69 -1.43 0.00
OZONE_PARK_ESR 323760	48.97 3.88 0.00	45.41 3.60 0.00	39.00 3.55 0.00	36.40 3.13 0.00	35.70 2.98 0.00	39.31 2.95 0.00	43.27 3.46 0.00	45.59 4.07 0.00	47.67 4.15 -0.27	51.67 4.25 -4.10	51.99 4.11 -5.02	53.66 4.73 -1.16	56.86 5.20 -0.20	60.65 5.82 -0.45	65.29 6.16 -0.46	70.01 7.48 -0.74	83.93 8.75 -9.43	84.86 9.81 -0.17	83.45 8.07 0.00	77.53 6.60 0.00	68.60 5.49 0.00	61.93 3.83 0.00	54.45 3.61 0.00	49.48 3.37 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	44.19 -0.90 0.00	40.73 -1.09 0.00	34.78 -0.67 0.00	31.68 -1.60 0.00	31.22 -1.51 0.00	34.69 -1.67 0.00	37.06 -2.75 0.00	38.16 -3.36 0.00	40.43 -2.81 0.00	41.42 -1.91 0.00	41.27 -1.59 0.00	45.96 -1.82 0.00	49.51 -1.96 0.00	51.82 -2.56 0.00	55.79 -2.87 0.00	57.40 -4.39 0.00	62.33 -3.42 0.00	70.09 -4.79 0.00	70.41 -4.98 0.00	67.67 -3.26 0.00	60.20 -2.90 0.00	55.60 -2.50 0.00	48.96 -1.88 0.00	44.69 -1.43 0.00
PACKARD___115KV_DUPONT_184 80571	44.19 -0.90 0.00	40.73 -1.09 0.00	34.78 -0.67 0.00	31.68 -1.60 0.00	31.22 -1.51 0.00	34.69 -1.67 0.00	37.06 -2.75 0.00	38.16 -3.36 0.00	40.43 -2.81 0.00	41.42 -1.91 0.00	41.27 -1.59 0.00	45.96 -1.82 0.00	49.51 -1.96 0.00	51.82 -2.56 0.00	55.79 -2.87 0.00	57.40 -4.39 0.00	62.33 -3.42 0.00	70.09 -4.79 0.00	70.41 -4.98 0.00	67.67 -3.26 0.00	60.20 -2.90 0.00	55.60 -2.50 0.00	48.96 -1.88 0.00	44.69 -1.43 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	48.79 3.70 0.00	45.29 3.47 0.00	38.86 3.40 0.00	36.30 3.03 0.00	35.60 2.88 0.00	39.23 2.87 0.00	43.15 3.34 0.00	45.42 3.90 0.00	46.91 3.33 -0.34	51.58 3.34 -4.92	52.05 3.26 -5.94	52.95 3.87 -1.31	56.55 4.89 -0.20	60.22 5.38 -0.45	64.36 5.22 -0.47	68.61 6.06 -0.77	84.29 7.23 -11.31	83.25 8.16 -0.21	82.03 6.63 -0.02	76.27 5.32 -0.02	67.54 4.42 -0.02	61.00 2.90 0.00	54.31 3.46 -0.01	49.25 3.14 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	49.47 4.37 0.00	45.91 4.10 0.00	39.46 4.01 0.00	36.80 3.53 0.00	36.09 3.37 0.00	39.78 3.42 0.00	43.71 3.90 0.00	45.96 4.44 0.00	47.52 3.94 -0.34	52.19 3.94 -4.92	52.65 3.86 -5.94	53.57 4.49 -1.31	57.27 5.61 -0.20	60.92 6.09 -0.45	65.18 6.04 -0.47	69.54 6.98 -0.77	85.28 8.22 -11.31	84.38 9.28 -0.21	83.16 7.76 -0.02	77.34 6.38 -0.02	68.49 5.36 -0.02	61.87 3.78 0.00	55.02 4.17 -0.01	49.90 3.78 0.00
PATROON___115KV_TB1 80586	46.17 1.08 0.00	42.82 1.00 0.00	36.69 1.24 0.00	34.61 1.33 0.00	33.97 1.24 0.00	37.31 0.95 0.00	40.88 1.07 0.00	42.72 1.20 0.00	44.28 1.04 0.00	44.19 0.87 0.00	43.42 0.86 0.29	48.47 1.00 0.31	52.51 1.18 0.13	55.60 1.52 0.30	60.06 1.70 0.31	63.65 2.29 0.43	68.45 2.70 0.00	78.02 3.14 0.00	77.72 2.34 0.00	72.78 1.84 0.00	64.87 1.77 0.00	59.08 0.99 0.00	51.55 0.71 0.00	46.76 0.65 0.00
PATTRSNVILLE___SOLAR 323815	46.99 1.89 0.00	43.61 1.80 0.00	37.19 1.74 0.00	34.94 1.66 0.00	34.36 1.64 0.00	38.00 1.64 0.00	41.52 1.71 0.00	43.18 1.66 0.00	44.67 1.42 0.00	44.54 1.21 0.00	43.78 1.16 0.23	48.81 1.29 0.25	52.85 1.49 0.11	55.82 1.69 0.24	60.42 2.00 0.25	64.16 2.72 0.35	68.58 2.83 0.00	78.40 3.52 0.00	78.62 3.24 0.00	74.13 3.20 0.00	66.26 3.15 0.00	60.54 2.44 0.00	52.72 1.88 0.00	47.77 1.66 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	44.69 -0.41 0.00	41.48 -0.33 0.00	35.42 -0.04 0.00	32.34 -0.93 0.00	31.90 -0.82 0.00	35.09 -1.27 0.00	38.02 -1.79 0.00	39.53 -1.99 0.00	41.82 -1.43 0.00	42.89 -0.43 0.00	42.77 -0.09 0.00	47.68 -0.10 0.00	51.51 0.05 0.00	53.94 -0.44 0.00	58.08 -0.59 0.00	59.63 -2.16 0.00	64.96 -0.79 0.00	73.16 -1.72 0.00	73.50 -1.88 0.00	70.65 -0.28 0.00	62.67 -0.44 0.00	57.81 -0.29 0.00	50.59 -0.25 0.00	45.88 -0.23 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	48.34 3.25 0.00	44.83 3.01 0.00	38.39 2.94 0.00	35.94 2.66 0.00	35.27 2.55 0.00	38.91 2.55 0.00	42.75 2.95 0.00	44.80 3.28 0.00	46.62 3.37 0.00	46.57 3.25 -0.39	46.46 3.21 -0.41	51.96 3.77 -0.18	56.07 4.43 -0.41	59.79 5.00 -0.41	64.48 5.40 -0.58	68.67 6.30 0.00	73.25 7.50 0.00	83.04 8.16 0.00	82.17 6.78 0.00	76.54 5.60 0.00	67.90 4.80 0.00	61.41 3.31 0.00	53.79 2.95 0.00	48.74 2.63 0.00
PEEKSKILL___ 23653	47.84 2.75 0.00	44.45 2.64 0.00	38.18 2.73 0.00	35.70 2.43 0.00	35.05 2.32 0.00	38.58 2.22 0.00	42.39 2.59 0.00	44.55 3.03 0.00	46.15 2.90 -0.01	46.48 3.03 -0.12	46.33 2.92 -0.56	51.64 3.39 -0.48	55.47 3.81 -0.20	59.18 4.35 -0.45	63.76 4.63 -0.45	68.67 6.24 -0.64	72.80 6.77 -0.28	82.44 7.56 -0.01	81.27 5.88 0.00	75.69 4.75 0.00	67.15 4.04 0.00	60.77 2.67 0.00	53.23 2.39 0.00	48.37 2.26 0.00
PGE MADISON___WINDPWR 24146	48.65 3.56 0.00	44.91 3.09 0.00	38.18 2.73 0.00	35.64 2.36 0.00	35.21 2.49 0.00	39.20 2.84 0.00	43.03 3.22 0.00	44.93 3.41 0.00	46.88 3.63 0.00	46.71 3.38 0.00	45.85 2.92 -0.08	51.12 3.34 0.00	54.96 3.50 0.00	58.29 3.92 0.00	62.77 4.11 0.00	66.05 4.26 0.00	70.55 4.80 0.00	80.50 5.62 0.00	82.24 6.86 0.00	78.18 7.24 0.00	69.93 6.82 0.00	64.08 5.99 0.00	55.47 4.63 0.00	49.94 3.83 0.00

PIERCEFIELD___HYD 23852	45.41 0.32 0.00	42.15 0.33 0.00	35.17 -0.28 0.00	33.04 -0.23 0.00	32.56 -0.16 0.00	36.69 0.33 0.00	40.21 0.40 0.00	41.89 0.37 0.00	43.68 0.43 0.00	43.67 0.35 0.00	43.20 0.34 0.00	47.96 0.19 0.00	51.31 -0.15 0.00	54.21 -0.16 0.00	58.49 -0.18 0.00	61.36 -0.43 0.00	64.37 -1.38 0.00	73.08 -1.80 0.00	74.03 -1.36 0.00	69.73 -1.21 0.00	62.29 -0.82 0.00	58.39 0.29 0.00	51.45 0.61 0.00	46.85 0.74 0.00
PINELAWN_CC_1 323563	48.48 3.38 0.00	45.97 4.14 -0.01	39.32 3.86 0.00	36.47 3.19 0.00	35.67 2.95 0.00	39.34 2.98 0.00	43.39 3.58 0.00	46.01 4.49 -0.01	47.44 4.19 0.00	47.91 4.42 -0.17	46.87 3.43 -0.58	52.07 3.96 -0.34	58.28 4.53 -2.29	64.04 5.17 -4.49	67.28 5.58 -3.03	74.61 7.35 -5.47	85.63 7.95 -11.92	96.66 9.06 -12.73	84.13 7.39 -1.36	78.79 6.03 -1.82	73.56 5.05 -5.41	65.81 3.49 -4.23	55.13 3.05 -1.24	48.06 2.03 0.08
PJM_GEN_HTTP_PROXY 323702	48.29 3.20 0.00	44.91 3.09 0.00	38.53 3.08 0.00	36.00 2.73 0.00	35.34 2.62 0.00	38.91 2.54 0.00	42.83 3.02 0.00	45.09 3.57 0.00	47.00 3.55 -0.21	50.11 3.68 -3.10	50.27 3.51 -3.91	52.82 4.06 -0.99	56.14 4.48 -0.20	59.83 5.00 -0.45	64.47 5.34 -0.46	69.67 7.16 -0.72	80.64 7.75 -7.13	83.69 8.68 -0.13	82.24 6.86 0.00	76.40 5.46 0.00	67.71 4.60 0.00	61.12 3.02 0.00	54.39 2.85 -0.70	48.18 2.77 0.70
PJM_GEN_KEystone 24065	46.13 1.04 0.00	42.74 0.92 0.00	36.62 1.17 0.00	34.04 0.77 0.00	33.41 0.69 0.00	36.80 0.44 0.00	40.25 0.44 0.00	42.06 0.54 0.00	44.03 0.78 -0.01	44.84 1.21 -0.30	44.66 1.24 -0.56	49.51 1.43 -0.30	53.18 1.70 -0.02	56.08 1.74 0.03	60.17 1.76 0.26	64.49 2.41 -0.29	69.25 2.89 -0.61	77.76 2.92 0.04	77.21 1.89 0.06	72.90 2.06 0.09	64.05 1.64 0.70	58.76 0.87 0.21	52.46 0.92 -0.70	46.15 0.74 0.70
PJM_GEN_NEPTUNE_PROXY 323594	47.89 2.80 0.00	45.29 3.47 -0.01	38.82 3.37 0.00	36.10 2.83 0.00	35.31 2.58 0.00	38.94 2.58 0.00	42.92 3.11 0.00	45.39 3.86 -0.01	46.92 3.67 0.00	47.30 3.81 -0.17	46.90 3.43 -0.62	52.17 3.92 -0.48	56.25 4.37 -0.41	60.21 4.95 -0.89	64.64 5.28 -0.69	69.85 6.98 -1.08	79.50 7.49 -6.26	86.00 8.46 -2.66	82.39 6.86 -0.15	76.74 5.60 -0.20	68.46 4.79 -0.56	61.86 3.31 -0.45	54.77 3.10 -0.83	47.48 2.08 0.71
PJM_GEN_VFT_PROXY 323633	48.11 3.02 0.00	44.70 2.88 0.00	38.43 2.98 0.00	35.87 2.60 0.00	35.18 2.46 0.00	38.72 2.36 0.00	42.68 2.87 0.00	44.96 3.44 0.00	46.93 3.42 -0.27	50.98 3.55 -4.10	51.26 3.38 -5.02	52.80 3.87 -1.16	54.55 4.17 1.08	55.44 4.68 3.62	56.81 4.98 6.84	68.35 6.80 0.24	81.79 7.36 -8.67	82.59 8.24 0.53	80.95 6.40 0.84	74.62 5.04 1.35	57.28 4.16 9.99	57.79 2.67 2.99	54.13 2.59 -0.70	47.99 2.58 0.70
PLATSBURG_115KV_PMLD1 355749	44.46 -0.63 0.00	41.31 -0.50 0.00	34.57 -0.89 0.00	32.58 -0.70 0.00	32.10 -0.62 0.00	36.07 -0.29 0.00	39.53 -0.28 0.00	41.27 -0.25 0.00	43.03 -0.22 0.00	43.11 -0.22 0.00	42.68 -0.17 0.00	47.01 -0.76 0.00	50.38 -1.08 0.00	52.53 -1.85 0.00	56.44 -2.23 0.00	59.38 -2.41 0.00	62.73 -3.02 0.00	71.73 -3.14 0.00	72.52 -2.86 0.00	68.17 -2.77 0.00	60.52 -2.59 0.00	56.41 -1.68 0.00	49.93 -0.92 0.00	46.07 -0.05 0.00
PLEASANTVLY___LBMP 24000	47.53 2.43 0.00	44.12 2.30 0.00	37.86 2.41 0.00	35.50 2.23 0.00	34.82 2.09 0.00	38.29 1.93 0.00	42.08 2.27 0.00	44.14 2.62 0.00	45.75 2.51 0.00	45.79 2.47 0.00	45.69 2.36 -0.48	51.05 2.77 -0.51	54.87 3.19 -0.22	58.46 3.59 -0.50	62.99 3.81 -0.50	67.26 4.76 -0.71	71.47 5.72 0.00	81.24 6.36 0.00	80.36 4.98 0.00	74.98 4.04 0.00	66.58 3.47 0.00	60.30 2.21 0.00	52.82 1.98 0.00	47.96 1.84 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	48.07 2.98 0.00	44.62 2.80 0.00	38.29 2.84 0.00	35.84 2.56 0.00	35.14 2.42 0.00	38.69 2.33 0.00	42.56 2.75 0.00	44.72 3.20 0.00	46.39 3.16 0.01	46.32 3.21 0.21	46.14 3.09 -0.20	51.78 3.58 -0.43	55.73 4.07 -0.20	59.46 4.62 -0.46	64.00 4.87 -0.46	68.37 5.93 -0.64	72.30 7.04 0.49	82.81 7.94 0.01	81.79 6.41 0.00	76.11 5.18 0.00	67.46 4.35 0.00	61.00 2.90 0.00	53.48 2.64 0.00	48.56 2.44 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	48.07 2.98 0.00	44.62 2.80 0.00	38.29 2.84 0.00	35.84 2.56 0.00	35.14 2.42 0.00	38.69 2.33 0.00	42.56 2.75 0.00	44.72 3.20 0.00	46.39 3.16 0.01	46.32 3.21 0.21	46.14 3.09 -0.20	51.78 3.58 -0.43	55.73 4.07 -0.20	59.46 4.62 -0.46	64.00 4.87 -0.46	68.37 5.93 -0.64	72.30 7.04 0.49	82.81 7.94 0.01	81.79 6.41 0.00	76.11 5.18 0.00	67.46 4.35 0.00	61.00 2.90 0.00	53.48 2.64 0.00	48.56 2.44 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	47.89 2.80 0.00	44.41 2.59 0.00	38.08 2.62 0.00	35.70 2.43 0.00	35.01 2.29 0.00	38.54 2.18 0.00	42.36 2.55 0.00	44.39 2.86 0.00	46.10 2.85 0.00	46.01 2.69 0.00	45.47 2.61 0.00	50.78 3.01 0.00	55.01 3.55 0.00	58.40 4.02 0.00	62.95 4.28 0.00	66.98 5.19 0.00	71.93 6.18 0.00	81.84 6.96 0.00	81.04 5.65 0.00	75.62 4.68 0.00	67.08 3.98 0.00	60.77 2.67 0.00	53.23 2.39 0.00	48.28 2.17 0.00
POLETTI_____ 23519	48.43 3.34 0.00	44.91 3.09 0.00	38.57 3.12 0.00	36.04 2.76 0.00	35.34 2.62 0.00	38.87 2.51 0.00	42.83 3.03 0.00	45.09 3.57 0.00	47.19 3.68 -0.27	51.15 3.73 -4.10	51.48 3.60 -5.02	53.09 4.16 -1.16	56.14 4.48 -0.20	59.83 5.00 -0.45	64.41 5.28 -0.46	69.20 6.67 -0.74	83.00 7.82 -9.42	83.81 8.76 -0.17	82.24 6.86 0.00	76.40 5.46 0.00	67.65 4.54 0.00	61.06 2.96 0.00	53.74 2.90 0.00	48.88 2.77 0.00
POMONA___ESR 323819	47.75 2.66 0.00	44.41 2.59 0.00	38.14 2.69 0.00	35.70 2.43 0.00	35.05 2.32 0.00	38.54 2.18 0.00	42.36 2.55 0.00	44.51 2.99 0.00	46.10 2.85 0.00	46.27 2.95 0.00	46.14 2.87 -0.41	51.50 3.29 -0.44	55.41 3.75 -0.19	59.10 4.29 -0.43	63.68 4.58 -0.44	68.58 6.18 -0.61	72.39 6.64 0.00	82.29 7.41 0.00	81.19 5.80 0.00	75.62 4.68 0.00	67.09 3.98 0.00	60.71 2.62 0.00	53.13 2.29 0.00	48.28 2.17 0.00
PORT_JEFF_3 23555	48.25 3.16 0.00	45.92 4.10 -0.01	39.17 3.72 0.00	36.33 3.06 0.00	35.50 2.78 0.00	39.20 2.84 0.00	43.23 3.42 0.00	45.93 4.40 -0.01	47.27 4.02 0.00	47.82 4.33 -0.17	47.00 3.60 -0.55	51.91 4.06 -0.08	57.05 4.48 -1.11	61.96 5.33 -2.25	66.42 5.58 -2.18	71.94 7.35 -2.80	117.84 8.02 -44.06	178.60 9.06 -94.66	118.69 7.31 -36.00	77.71 5.96 -0.82	70.34 4.86 -2.37	63.10 3.43 -1.57	53.79 2.90 -0.05	48.07 2.12 0.17
PORT_JEFF_4 23616	48.25 3.16 0.00	45.92 4.10 -0.01	39.17 3.72 0.00	36.33 3.06 0.00	35.50 2.78 0.00	39.20 2.84 0.00	43.23 3.42 0.00	45.93 4.40 -0.01	47.27 4.02 0.00	47.82 4.33 -0.17	47.00 3.60 -0.55	51.91 4.06 -0.08	57.05 4.48 -1.11	61.96 5.33 -2.25	66.42 5.58 -2.18	71.94 7.35 -2.80	117.84 8.02 -44.06	178.60 9.06 -94.66	118.69 7.31 -36.00	77.71 5.96 -0.82	70.34 4.86 -2.37	63.10 3.43 -1.57	53.79 2.90 -0.05	48.07 2.12 0.17

PORT_JEFF_IC 23713	48.70 3.61 0.00	46.00 4.18 0.00	39.25 3.79 0.00	36.37 3.09 0.00	35.54 2.81 0.00	39.23 2.87 0.00	43.27 3.46 0.00	45.92 4.40 0.00	47.49 4.24 0.00	47.91 4.42 -0.17	47.19 3.81 -0.52	51.81 4.11 0.07	57.39 4.79 -1.14	62.35 5.66 -2.32	66.99 5.69 -2.63	71.52 6.86 -2.87	143.20 8.15 -69.29	218.61 9.28 -134.45	144.33 7.61 -61.34	77.96 6.17 -0.86	70.54 4.99 -2.45	63.22 3.60 -1.52	53.87 3.15 0.12	48.06 2.17 0.22
PPL PILGRIM_ST_GT1 24216	48.61 3.52 0.00	46.30 4.48 -0.01	39.53 4.08 0.00	36.67 3.40 0.00	35.83 3.11 0.00	39.56 3.20 0.00	43.59 3.78 0.00	46.30 4.77 -0.01	47.61 4.37 0.00	48.13 4.64 -0.17	47.24 3.86 -0.53	52.86 4.59 -0.50	57.92 5.15 -1.31	62.70 5.76 -2.56	66.72 6.22 -1.83	73.07 8.03 -3.25	91.42 8.54 -17.12	97.90 9.43 -13.59	83.79 7.69 -0.71	78.49 6.60 -0.95	71.63 5.68 -2.84	64.44 4.07 -2.28	54.44 3.56 -0.04	48.35 2.44 0.21
PPL PILGRIM_ST_GT2 24217	48.61 3.52 0.00	46.30 4.48 -0.01	39.53 4.08 0.00	36.67 3.40 0.00	35.83 3.11 0.00	39.56 3.20 0.00	43.59 3.78 0.00	46.30 4.77 -0.01	47.61 4.37 0.00	48.13 4.64 -0.17	47.24 3.86 -0.53	52.86 4.59 -0.50	57.92 5.15 -1.31	62.70 5.76 -2.56	66.72 6.22 -1.83	73.07 8.03 -3.25	91.42 8.54 -17.12	97.90 9.43 -13.59	83.79 7.69 -0.71	78.49 6.60 -0.95	71.63 5.68 -2.84	64.44 4.07 -2.28	54.44 3.56 -0.04	48.35 2.44 0.21
PPL_SHRM_GT3 24213	48.02 2.93 0.00	45.63 3.80 -0.01	38.89 3.44 0.00	36.03 2.76 0.00	35.21 2.49 0.00	38.91 2.54 0.00	42.92 3.11 0.00	45.64 4.11 -0.01	46.97 3.72 0.00	47.61 4.12 -0.17	46.86 3.47 -0.54	51.88 4.06 -0.05	57.17 4.58 -1.13	62.14 5.49 -2.28	66.87 5.92 -2.28	72.35 7.72 -2.84	123.32 8.49 -49.08	186.41 9.66 -101.87	124.24 7.91 -40.94	78.29 6.52 -0.83	70.75 5.24 -2.41	63.34 3.66 -1.59	53.76 2.90 -0.02	47.91 1.98 0.18
PPL_SHRM_GT4 24214	48.02 2.93 0.00	45.63 3.80 -0.01	38.89 3.44 0.00	36.03 2.76 0.00	35.21 2.49 0.00	38.91 2.54 0.00	42.92 3.11 0.00	45.64 4.11 -0.01	46.97 3.72 0.00	47.61 4.12 -0.17	46.86 3.47 -0.54	51.88 4.06 -0.05	57.17 4.58 -1.13	62.14 5.49 -2.28	66.87 5.92 -2.28	72.35 7.72 -2.84	123.32 8.49 -49.08	186.41 9.66 -101.87	124.24 7.91 -40.94	78.29 6.52 -0.83	70.75 5.24 -2.41	63.34 3.66 -1.59	53.76 2.90 -0.02	47.91 1.98 0.18
PROJECT___ORANGE 1 24174	44.87 -0.23 0.00	41.57 -0.25 0.00	35.38 -0.07 0.00	33.04 -0.23 0.00	32.53 -0.20 0.00	36.00 -0.36 0.00	39.41 -0.40 0.00	41.15 -0.37 0.00	42.94 -0.30 0.00	43.15 -0.17 0.00	42.73 -0.13 0.00	47.68 -0.10 0.00	51.36 -0.10 0.00	54.21 -0.16 0.00	58.49 -0.18 0.00	61.36 -0.43 0.00	65.69 -0.07 0.00	74.73 -0.15 0.00	75.16 -0.23 0.00	71.01 0.07 0.00	63.04 -0.06 0.00	57.98 -0.12 0.00	50.70 -0.25 -0.11	45.79 -0.32 0.00
PROJECT___ORANGE 2 24166	44.87 -0.23 0.00	41.57 -0.25 0.00	35.38 -0.07 0.00	33.04 -0.23 0.00	32.53 -0.20 0.00	36.00 -0.36 0.00	39.41 -0.40 0.00	41.15 -0.37 0.00	42.94 -0.30 0.00	43.15 -0.17 0.00	42.73 -0.13 0.00	47.68 -0.10 0.00	51.36 -0.10 0.00	54.21 -0.16 0.00	58.49 -0.18 0.00	61.36 -0.43 0.00	65.69 -0.07 0.00	74.73 -0.15 0.00	75.16 -0.23 0.00	71.01 0.07 0.00	63.04 -0.06 0.00	57.98 -0.12 0.00	50.70 -0.25 -0.11	45.79 -0.32 0.00
PUCKETT___SOLAR 323809	46.35 1.26 0.00	42.86 1.05 0.00	36.59 1.13 0.00	34.17 0.90 0.00	33.64 0.91 0.00	37.20 0.84 0.00	40.73 0.92 0.00	42.43 0.91 0.00	44.28 1.04 0.00	44.45 1.12 0.00	43.96 1.03 -0.08	49.03 1.19 -0.07	52.78 1.29 -0.03	55.80 1.36 -0.07	60.14 1.41 -0.07	63.49 1.60 -0.09	67.72 1.97 0.00	77.12 2.24 0.00	77.64 2.26 0.00	73.63 2.69 0.00	65.63 2.53 0.00	60.19 2.09 0.00	52.47 1.63 0.00	47.36 1.25 0.00
PYRITES___HYD 24023	46.08 0.99 0.00	42.78 0.96 0.00	35.63 0.18 0.00	33.51 0.23 0.00	33.02 0.29 0.00	37.27 0.91 0.00	40.84 1.04 0.00	42.52 1.00 0.00	44.24 0.99 0.00	44.15 0.82 0.00	43.58 0.73 0.00	48.35 0.57 0.00	51.77 0.31 0.00	54.76 0.38 0.00	59.08 0.41 0.00	61.98 0.19 0.00	65.09 -0.66 0.00	74.13 -0.75 0.00	75.38 0.00 0.00	71.15 0.21 0.00	63.61 0.50 0.00	59.55 1.45 0.00	52.26 1.42 0.00	47.54 1.43 0.00
QUAKERRD_115KV_BK1 80622	44.33 -0.77 0.00	41.02 -0.79 0.00	34.92 -0.53 0.00	32.24 -1.03 0.00	31.77 -0.95 0.00	35.13 -1.24 0.00	38.22 -1.59 0.00	39.82 -1.70 0.00	41.90 -1.34 0.00	42.46 -0.87 0.00	42.17 -0.69 0.00	47.06 -0.72 0.00	50.69 -0.77 0.00	53.34 -1.03 0.00	57.67 -1.00 0.00	60.06 -1.73 0.00	64.63 -1.12 0.00	73.16 -1.72 0.00	73.57 -1.81 0.00	70.01 -0.92 0.00	62.16 -0.95 0.00	57.23 -0.87 0.00	50.03 -0.81 0.00	45.33 -0.78 0.00
QUENSBRY_115KV_TB8 356137	47.48 2.39 0.00	44.07 2.26 0.00	37.54 2.09 0.00	35.24 1.96 0.00	34.65 1.93 0.00	38.36 2.00 0.00	41.96 2.15 0.00	43.85 2.33 0.00	45.45 2.21 0.00	45.19 1.86 0.00	44.08 1.54 0.32	49.06 1.62 0.33	53.17 1.85 0.14	56.22 2.18 0.33	61.10 2.76 0.33	64.72 3.40 0.46	69.83 4.08 0.00	80.04 5.17 0.00	80.51 5.13 0.00	75.62 4.68 0.00	67.84 4.73 0.00	61.64 3.54 0.00	53.43 2.59 0.00	48.24 2.12 0.00
RAMAPO___LBMP 323565	47.66 2.57 0.00	44.24 2.43 0.00	38.00 2.55 0.00	35.57 2.30 0.00	34.91 2.19 0.00	38.40 2.04 0.00	42.20 2.39 0.00	44.30 2.78 0.00	45.97 2.72 0.00	46.14 2.82 -0.41	45.96 2.70 -0.43	51.31 3.11 -0.19	55.25 3.60 -0.43	58.88 4.08 -0.43	63.38 4.28 -0.43	67.65 5.25 -0.60	72.13 6.38 0.00	81.99 7.11 0.00	80.81 5.43 0.00	75.33 4.40 0.00	66.83 3.72 0.00	60.48 2.38 0.00	53.03 2.19 0.00	48.10 1.98 0.00
RANKINE____ 23646	45.05 -0.05 0.00	41.82 0.00 0.00	35.74 0.28 0.00	32.58 -0.70 0.00	32.13 -0.59 0.00	35.34 -1.02 0.00	38.26 -1.55 0.00	39.61 -1.91 0.00	41.95 -1.30 0.00	42.98 -0.35 0.00	42.81 -0.04 0.00	47.72 -0.05 0.00	51.51 0.05 0.00	53.94 -0.44 0.00	58.08 -0.59 0.00	59.69 -2.10 0.00	64.90 -0.85 0.00	73.08 -1.80 0.00	73.50 -1.88 0.00	70.65 -0.28 0.00	62.73 -0.38 0.00	57.92 -0.17 0.00	50.79 -0.05 0.00	46.16 0.05 0.00
RAVENSWOOD_GT2_1 24244	48.47 3.38 0.00	44.95 3.14 0.00	38.61 3.16 0.00	36.07 2.80 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.13 3.61 0.00	47.18 3.59 -0.34	52.12 3.64 -5.16	52.57 3.51 -6.20	53.17 4.06 -1.34	56.24 4.58 -0.20	59.89 5.06 -0.45	64.41 5.28 -0.46	69.04 6.49 -0.77	85.30 7.69 -11.86	83.70 8.61 -0.22	82.32 6.94 0.00	76.47 5.53 0.00	67.71 4.61 0.00	61.12 3.02 0.00	53.84 3.00 0.00	48.93 2.81 0.00
RAVENSWOOD_GT2_2 24245	48.47 3.38 0.00	44.95 3.14 0.00	38.61 3.16 0.00	36.07 2.80 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.13 3.61 0.00	47.18 3.59 -0.34	52.12 3.64 -5.16	52.57 3.51 -6.20	53.17 4.06 -1.34	56.24 4.58 -0.20	59.89 5.06 -0.45	64.41 5.28 -0.46	69.04 6.49 -0.77	85.30 7.69 -11.86	83.70 8.61 -0.22	82.32 6.94 0.00	76.47 5.53 0.00	67.71 4.61 0.00	61.12 3.02 0.00	53.84 3.00 0.00	48.93 2.81 0.00



RAVENSWOOD_GT2_3 24246	48.47 3.38 0.00	44.99 3.18 0.00	38.64 3.19 0.00	36.07 2.80 0.00	35.40 2.68 0.00	38.98 2.62 0.00	42.91 3.11 0.00	45.17 3.65 0.00	47.22 3.63 -0.34	52.14 3.68 -5.13	52.59 3.56 -6.18	53.22 4.11 -1.33	56.30 4.63 -0.20	59.94 5.11 -0.45	64.47 5.34 -0.46	69.11 6.55 -0.76	85.31 7.76 -11.79	83.78 8.69 -0.21	82.32 6.94 0.00	76.54 5.60 0.00	67.78 4.67 0.00	61.18 3.08 0.00	53.84 3.00 0.00	48.97 2.86 0.00
RAVENSWOOD_GT2_4 24247	48.47 3.38 0.00	44.99 3.18 0.00	38.64 3.19 0.00	36.07 2.80 0.00	35.40 2.68 0.00	38.98 2.62 0.00	42.91 3.11 0.00	45.17 3.65 0.00	47.22 3.63 -0.34	52.14 3.68 -5.13	52.59 3.56 -6.18	53.22 4.11 -1.33	56.30 4.63 -0.20	59.94 5.11 -0.45	64.47 5.34 -0.46	69.11 6.55 -0.76	85.31 7.76 -11.79	83.78 8.69 -0.21	82.32 6.94 0.00	76.54 5.60 0.00	67.78 4.67 0.00	61.18 3.08 0.00	53.84 3.00 0.00	48.97 2.86 0.00
RAVENSWOOD_GT3_1 24248	48.43 3.34 0.00	44.95 3.14 0.00	38.61 3.16 0.00	36.07 2.80 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.13 3.61 0.00	47.20 3.63 -0.33	51.93 3.68 -4.92	52.35 3.56 -5.94	53.18 4.11 -1.30	56.24 4.58 -0.20	59.89 5.06 -0.45	64.47 5.34 -0.46	69.10 6.55 -0.76	84.82 7.76 -11.31	83.77 8.69 -0.21	82.32 6.94 0.00	76.54 5.60 0.00	67.71 4.61 0.00	61.18 3.08 0.00	53.84 3.00 0.00	48.93 2.81 0.00
RAVENSWOOD_GT3_2 24249	48.43 3.34 0.00	44.95 3.14 0.00	38.61 3.16 0.00	36.07 2.80 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.13 3.61 0.00	47.20 3.63 -0.33	51.93 3.68 -4.92	52.35 3.56 -5.94	53.18 4.11 -1.30	56.24 4.58 -0.20	59.89 5.06 -0.45	64.47 5.34 -0.46	69.10 6.55 -0.76	84.82 7.76 -11.31	83.77 8.69 -0.21	82.32 6.94 0.00	76.54 5.60 0.00	67.71 4.61 0.00	61.18 3.08 0.00	53.84 3.00 0.00	48.93 2.81 0.00
RAVENSWOOD_GT3_3 24250	48.52 3.43 0.00	45.04 3.22 0.00	38.68 3.23 0.00	36.10 2.83 0.00	35.44 2.72 0.00	38.98 2.62 0.00	42.91 3.11 0.00	45.22 3.70 0.00	47.29 3.72 -0.33	52.05 3.77 -4.96	52.48 3.64 -5.99	53.28 4.20 -1.31	56.35 4.68 -0.20	60.00 5.17 -0.45	64.58 5.46 -0.46	69.29 6.74 -0.76	85.05 7.89 -11.41	83.92 8.84 -0.21	82.47 7.09 0.00	76.68 5.75 0.00	67.84 4.73 0.00	61.29 3.20 0.00	53.89 3.05 0.00	49.02 2.91 0.00
RAVENSWOOD_GT3_4 24251	48.52 3.43 0.00	45.04 3.22 0.00	38.68 3.23 0.00	36.10 2.83 0.00	35.44 2.72 0.00	38.98 2.62 0.00	42.91 3.11 0.00	45.22 3.70 0.00	47.29 3.72 -0.33	52.05 3.77 -4.96	52.48 3.64 -5.99	53.28 4.20 -1.31	56.35 4.68 -0.20	60.00 5.17 -0.45	64.58 5.46 -0.46	69.29 6.74 -0.76	85.05 7.89 -11.41	83.92 8.84 -0.21	82.47 7.09 0.00	76.68 5.75 0.00	67.84 4.73 0.00	61.29 3.20 0.00	53.89 3.05 0.00	49.02 2.91 0.00
RAVENSWOOD_GT_1 23729	48.70 3.61 0.00	45.20 3.39 0.00	38.82 3.37 0.00	36.24 2.96 0.00	35.57 2.85 0.00	39.16 2.80 0.00	43.07 3.26 0.00	45.34 3.82 0.00	47.13 3.55 -0.34	52.03 3.55 -5.16	52.53 3.47 -6.20	53.22 4.11 -1.34	56.50 4.84 -0.20	60.05 5.22 -0.45	64.23 5.10 -0.46	68.74 6.18 -0.77	84.55 7.36 -11.43	83.33 8.24 -0.22	81.87 6.48 0.00	76.11 5.18 0.00	67.40 4.29 0.00	60.83 2.73 0.00	54.09 3.25 0.00	49.20 3.09 0.00
RAVENSWOOD_GT_10 24258	48.47 3.38 0.00	44.95 3.14 0.00	38.61 3.16 0.00	36.07 2.80 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.13 3.61 0.00	47.18 3.59 -0.34	52.12 3.64 -5.16	52.57 3.51 -6.20	53.22 4.11 -1.34	56.24 4.58 -0.20	59.89 5.06 -0.45	64.47 5.34 -0.46	69.11 6.55 -0.77	85.30 7.69 -11.85	83.70 8.61 -0.22	82.32 6.94 0.00	76.47 5.53 0.00	67.71 4.61 0.00	61.18 3.08 0.00	53.84 3.00 0.00	48.93 2.81 0.00
RAVENSWOOD_GT_11 24259	48.47 3.38 0.00	44.95 3.14 0.00	38.61 3.16 0.00	36.07 2.80 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.13 3.61 0.00	47.18 3.59 -0.34	52.12 3.64 -5.16	52.57 3.51 -6.20	53.22 4.11 -1.34	56.24 4.58 -0.20	59.89 5.06 -0.45	64.47 5.34 -0.46	69.11 6.55 -0.77	85.30 7.69 -11.85	83.70 8.61 -0.22	82.32 6.94 0.00	76.47 5.53 0.00	67.71 4.61 0.00	61.18 3.08 0.00	53.84 3.00 0.00	48.93 2.81 0.00
RAVENSWOOD_GT_4 24252	48.47 3.38 0.00	44.95 3.14 0.00	38.61 3.16 0.00	36.07 2.80 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.13 3.61 0.00	47.18 3.59 -0.34	52.12 3.64 -5.16	52.57 3.51 -6.20	53.22 4.11 -1.34	56.24 4.58 -0.20	59.89 5.06 -0.45	64.47 5.34 -0.46	69.11 6.55 -0.77	85.30 7.69 -11.85	83.70 8.61 -0.22	82.32 6.94 0.00	76.47 5.53 0.00	67.71 4.61 0.00	61.18 3.08 0.00	53.84 3.00 0.00	48.93 2.81 0.00
RAVENSWOOD_GT_5 24254	48.47 3.38 0.00	44.95 3.14 0.00	38.61 3.16 0.00	36.07 2.80 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.13 3.61 0.00	47.18 3.59 -0.34	52.12 3.64 -5.16	52.57 3.51 -6.20	53.22 4.11 -1.34	56.24 4.58 -0.20	59.89 5.06 -0.45	64.47 5.34 -0.46	69.11 6.55 -0.77	85.30 7.69 -11.85	83.70 8.61 -0.22	82.32 6.94 0.00	76.47 5.53 0.00	67.71 4.61 0.00	61.18 3.08 0.00	53.84 3.00 0.00	48.93 2.81 0.00
RAVENSWOOD_GT_6 24253	48.47 3.38 0.00	44.95 3.14 0.00	38.61 3.16 0.00	36.07 2.80 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.13 3.61 0.00	47.18 3.59 -0.34	52.12 3.64 -5.16	52.57 3.51 -6.20	53.22 4.11 -1.34	56.24 4.58 -0.20	59.89 5.06 -0.45	64.47 5.34 -0.46	69.11 6.55 -0.77	85.30 7.69 -11.85	83.70 8.61 -0.22	82.32 6.94 0.00	76.47 5.53 0.00	67.71 4.61 0.00	61.18 3.08 0.00	53.84 3.00 0.00	48.93 2.81 0.00
RAVENSWOOD_GT_7 24255	48.47 3.38 0.00	44.95 3.14 0.00	38.61 3.16 0.00	36.07 2.80 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.13 3.61 0.00	47.18 3.59 -0.34	52.12 3.64 -5.16	52.57 3.51 -6.20	53.22 4.11 -1.34	56.24 4.58 -0.20	59.89 5.06 -0.45	64.47 5.34 -0.46	69.11 6.55 -0.77	85.30 7.69 -11.85	83.70 8.61 -0.22	82.32 6.94 0.00	76.47 5.53 0.00	67.71 4.61 0.00	61.18 3.08 0.00	53.84 3.00 0.00	48.93 2.81 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	48.47 3.38 0.00	44.95 3.14 0.00	38.61 3.16 0.00	36.07 2.80 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.13 3.61 0.00	47.18 3.59 -0.34	52.12 3.64 -5.16	52.57 3.51 -6.20	53.22 4.11 -1.34	56.24 4.58 -0.20	59.89 5.06 -0.45	64.47 5.34 -0.46	69.11 6.55 -0.77	85.30 7.69 -11.85	83.70 8.61 -0.22	82.32 6.94 0.00	76.47 5.53 0.00	67.71 4.61 0.00	61.18 3.08 0.00	53.84 3.00 0.00	48.93 2.81 0.00
RAVENSWOOD_GT_9 24257	48.47 3.38 0.00	44.95 3.14 0.00	38.61 3.16 0.00	36.07 2.80 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.13 3.61 0.00	47.18 3.59 -0.34	52.12 3.64 -5.16	52.57 3.51 -6.20	53.22 4.11 -1.34	56.24 4.58 -0.20	59.89 5.06 -0.45	64.47 5.34 -0.46	69.11 6.55 -0.77	85.30 7.69 -11.85	83.70 8.61 -0.22	82.32 6.94 0.00	76.47 5.53 0.00	67.71 4.61 0.00	61.18 3.08 0.00	53.84 3.00 0.00	48.93 2.81 0.00

RAVENSWOOD___1 23533	48.62 3.52 -0.01	45.17 3.35 -0.01	38.79 3.33 -0.01	36.24 2.96 -0.01	35.54 2.81 -0.01	39.13 2.76 -0.01	43.08 3.27 -0.01	45.35 3.82 -0.01	47.00 3.42 -0.34	51.94 3.51 -5.11	52.43 3.43 -6.15	53.21 4.11 -1.33	56.46 4.79 -0.21	59.94 5.11 -0.45	64.17 5.05 -0.46	69.16 6.61 -0.76	84.29 7.23 -11.31	83.18 8.09 -0.21	81.71 6.33 0.01	75.97 5.04 0.01	67.26 4.16 0.01	60.76 2.67 0.01	53.99 3.15 0.00	49.17 3.04 -0.01
RAVENSWOOD___2 23534	48.53 3.43 -0.01	45.09 3.26 -0.01	38.72 3.26 -0.01	36.18 2.89 -0.01	35.48 2.75 -0.01	39.06 2.69 -0.01	43.00 3.19 -0.01	45.27 3.74 -0.01	46.91 3.33 -0.34	51.81 3.38 -5.11	52.30 3.30 -6.15	53.12 4.01 -1.33	56.25 4.58 -0.21	59.62 4.79 -0.45	63.65 4.52 -0.46	68.61 6.06 -0.76	83.69 6.64 -11.30	82.50 7.41 -0.21	81.03 5.66 0.01	75.26 4.33 0.01	66.69 3.60 0.01	60.35 2.26 0.01	53.89 3.05 0.00	49.08 2.95 -0.01
RAVENSWOOD___3 23535	48.38 3.29 0.00	44.95 3.14 0.00	38.61 3.15 0.00	36.07 2.80 0.00	35.37 2.65 0.00	38.94 2.58 0.00	42.87 3.07 0.00	45.13 3.61 0.00	47.12 3.55 -0.33	52.04 3.68 -5.04	52.44 3.51 -6.07	53.20 4.11 -1.32	56.19 4.53 -0.20	59.89 5.06 -0.45	64.47 5.34 -0.46	69.66 7.10 -0.76	85.02 7.69 -11.58	83.70 8.61 -0.21	82.24 6.86 0.00	76.47 5.54 0.00	67.71 4.60 0.00	61.17 3.08 0.00	53.79 2.95 0.00	48.93 2.81 0.00
RAVENSWOOD___4 23820	48.62 3.52 -0.01	45.17 3.35 -0.01	38.79 3.33 -0.01	36.24 2.96 -0.01	35.54 2.81 -0.01	39.13 2.76 -0.01	43.04 3.22 -0.01	45.35 3.82 -0.01	46.96 3.38 -0.34	51.85 3.47 -5.06	52.33 3.38 -6.10	53.15 4.06 -1.32	56.40 4.73 -0.21	59.94 5.11 -0.45	64.11 4.98 -0.46	69.09 6.55 -0.76	84.04 7.10 -11.18	83.02 7.93 -0.21	81.63 6.25 0.01	75.82 4.89 0.01	67.20 4.10 0.01	60.71 2.62 0.01	53.99 3.15 0.00	49.17 3.04 -0.01
RCPL_TRUST___DRP 24196	48.47 3.38 0.00	44.99 3.18 0.00	38.61 3.16 0.00	36.07 2.80 0.00	35.40 2.68 0.00	38.98 2.62 0.00	42.91 3.11 0.00	45.17 3.65 0.00	47.17 3.72 -0.21	50.24 3.81 -3.10	50.40 3.64 -3.91	52.97 4.20 -0.99	56.35 4.68 -0.20	60.05 5.22 -0.45	64.64 5.51 -0.46	69.31 6.80 -0.72	80.91 8.02 -7.13	83.92 8.91 -0.13	82.54 7.16 0.00	76.68 5.75 0.00	67.84 4.73 0.00	61.29 3.20 0.00	53.84 3.00 0.00	48.97 2.86 0.00
RED___ROCHESTER 323720	45.81 0.72 0.00	42.28 0.46 0.00	35.98 0.53 0.00	33.14 -0.13 0.00	32.62 -0.10 0.00	36.00 -0.36 0.00	39.13 -0.68 0.00	40.73 -0.79 0.00	43.20 -0.04 0.00	43.67 0.34 0.00	43.45 0.60 0.00	48.53 0.76 0.00	52.34 0.87 0.00	55.03 0.65 0.00	59.49 0.82 0.00	62.23 0.44 0.00	66.67 0.92 0.00	75.33 0.45 0.00	75.91 0.53 0.00	72.43 1.49 0.00	64.24 1.14 0.00	59.02 0.93 0.00	51.80 0.96 0.00	46.76 0.65 0.00
REGAN___SOLAR 323812	48.52 3.43 0.00	44.99 3.18 0.00	38.29 2.84 0.00	35.94 2.66 0.00	35.37 2.65 0.00	39.20 2.84 0.00	42.75 2.95 0.00	44.43 2.91 0.00	45.88 2.64 0.00	45.62 2.29 0.00	44.87 2.23 0.21	50.03 2.48 0.22	54.14 2.78 0.10	57.25 3.10 0.22	62.03 3.58 0.22	65.99 4.51 0.31	70.49 4.74 0.00	80.87 5.99 0.00	81.19 5.80 0.00	76.90 5.96 0.00	68.98 5.87 0.00	62.92 4.82 0.00	54.66 3.81 0.00	49.34 3.23 0.00
RENSSELAER___COGEN 23796	45.77 0.68 0.00	42.48 0.67 0.00	36.41 0.96 0.00	34.34 1.06 0.00	33.74 1.02 0.00	37.02 0.66 0.00	40.60 0.80 0.00	42.35 0.83 0.00	43.89 0.65 0.00	43.80 0.48 0.00	43.04 0.47 0.28	48.05 0.58 0.30	52.05 0.72 0.13	55.06 0.98 0.29	59.48 1.11 0.30	63.35 1.98 0.42	67.79 2.04 0.00	77.27 2.40 0.00	76.89 1.51 0.00	72.07 1.13 0.00	64.24 1.14 0.00	58.56 0.46 0.00	51.10 0.26 0.00	46.39 0.28 0.00
REPUBLIC_115KV_BARTNBRK 55605	49.29 4.19 0.00	45.75 3.93 0.00	38.78 3.33 0.00	36.27 2.99 0.00	35.73 3.01 0.00	39.78 3.42 0.00	43.39 3.58 0.00	45.46 3.94 0.00	47.05 3.81 0.00	46.62 3.29 0.00	45.45 2.91 0.32	50.64 3.20 0.33	54.92 3.60 0.14	58.24 4.19 0.33	63.56 5.22 0.33	67.38 6.06 0.46	72.85 7.10 0.00	83.86 8.99 0.00	84.28 8.90 0.00	79.38 8.44 0.00	71.44 8.33 0.00	64.89 6.80 0.00	55.82 4.98 0.00	50.22 4.10 0.00
REVERE_CPPR_DRP 24186	46.76 1.67 0.00	43.24 1.42 0.00	36.73 1.28 0.00	34.34 1.06 0.00	33.90 1.18 0.00	37.71 1.35 0.00	41.32 1.51 0.00	43.10 1.58 0.00	45.06 1.82 0.00	45.06 1.73 0.00	44.40 1.54 0.00	49.54 1.77 0.00	53.32 1.85 0.00	56.50 2.12 0.00	60.96 2.29 0.00	63.89 2.10 0.00	68.38 2.63 0.00	77.80 2.92 0.00	79.00 3.62 0.00	74.55 3.62 0.00	66.70 3.60 0.00	61.29 3.20 0.00	53.28 2.44 0.00	48.10 1.98 0.00
REYNLDPA_13_KV_LD 356490	45.14 0.05 0.00	41.94 0.13 0.00	35.10 -0.35 0.00	33.01 -0.27 0.00	32.46 -0.26 0.00	36.40 0.04 0.00	39.89 0.08 0.00	41.60 0.08 0.00	43.33 0.09 0.00	43.41 0.09 0.00	42.94 0.09 0.00	47.72 -0.05 0.00	51.26 -0.21 0.00	54.11 -0.27 0.00	58.38 -0.29 0.00	61.36 -0.43 0.00	64.70 -1.05 0.00	73.83 -1.05 0.00	74.48 -0.90 0.00	70.01 -0.92 0.00	62.29 -0.82 0.00	57.98 -0.12 0.00	50.89 0.05 0.00	46.30 0.18 0.00
REYNOLDS_115KV_TB3 80639	46.26 1.17 0.00	42.90 1.09 0.00	36.80 1.35 0.00	34.70 1.43 0.00	34.06 1.34 0.00	37.38 1.02 0.00	41.00 1.19 0.00	42.81 1.29 0.00	44.33 1.08 0.00	44.23 0.91 0.35	43.36 0.86 0.37	48.46 1.05 0.16	52.54 1.24 0.36	55.54 1.52 0.36	60.01 1.70 0.36	63.57 2.29 0.51	68.45 2.70 0.00	78.10 3.22 0.00	77.72 2.34 0.00	72.78 1.84 0.00	64.94 1.83 0.00	59.08 0.99 0.00	51.60 0.76 0.00	46.76 0.65 0.00
RIVERBAY____ 323610	49.47 4.37 0.00	45.91 4.10 0.00	39.46 4.01 0.00	36.80 3.53 0.00	36.09 3.37 0.00	39.78 3.42 0.00	43.71 3.90 0.00	45.96 4.44 0.00	47.52 3.94 -0.34	52.19 3.94 -4.92	52.65 3.86 -5.94	53.57 4.49 -1.31	57.27 5.61 -0.20	60.92 6.09 -0.45	65.18 6.04 -0.47	69.54 6.98 -0.77	85.28 8.22 -11.31	84.38 9.28 -0.21	83.16 7.76 -0.02	77.34 6.38 -0.02	68.49 5.36 -0.02	61.87 3.78 0.00	55.02 4.17 -0.01	49.90 3.78 0.00
RIVERSDE_115KV_TB3 55908	46.13 1.04 0.00	42.78 0.96 0.00	36.66 1.21 0.00	34.61 1.33 0.00	33.97 1.24 0.00	37.27 0.91 0.00	40.88 1.07 0.00	42.68 1.16 0.00	44.24 0.99 0.00	44.10 0.78 0.00	43.31 0.77 0.32	48.39 0.96 0.33	52.45 1.13 0.15	55.46 1.41 0.33	59.92 1.58 0.33	63.49 2.16 0.47	68.32 2.56 0.00	77.87 3.00 0.00	77.49 2.11 0.00	72.64 1.70 0.00	64.75 1.64 0.00	58.97 0.87 0.00	51.45 0.61 0.00	46.67 0.55 0.00
ROARING___BROOK_WT_PWR 323790	44.46 -0.63 0.00	41.32 -0.50 0.00	34.96 -0.50 0.00	32.88 -0.40 0.00	32.33 -0.39 0.00	36.00 -0.36 0.00	39.49 -0.32 0.00	41.27 -0.25 0.00	43.03 -0.22 0.00	43.11 -0.22 0.00	42.64 -0.21 0.00	47.44 -0.33 0.00	51.00 -0.46 0.00	53.83 -0.54 0.00	58.03 -0.64 0.00	60.99 -0.81 0.00	64.90 -0.86 0.00	73.98 -0.90 0.00	74.56 -0.83 0.00	70.30 -0.64 0.00	62.60 -0.51 0.00	57.75 -0.35 0.00	50.59 -0.25 0.00	45.93 -0.18 0.00

ROCHESRG_115KV_T4 355643	45.09 0.00 0.00	41.82 0.00 0.00	35.59 0.14 0.00	32.74 -0.53 0.00	32.30 -0.43 0.00	35.67 -0.69 0.00	38.73 -1.07 0.00	40.27 -1.25 0.00	42.47 -0.78 0.00	43.11 -0.22 0.00	42.85 0.00 0.00	47.82 0.05 0.00	51.46 0.00 0.00	54.16 -0.22 0.00	58.49 -0.18 0.00	60.74 -1.05 0.00	65.49 -0.26 0.00	74.05 -0.82 0.00	74.48 -0.90 0.00	71.08 0.14 0.00	63.11 0.00 0.00	58.10 0.00 0.00	50.84 0.00 0.00	46.16 0.05 0.00
ROCHESTER_9_IC 23652	45.36 0.27 0.00	42.03 0.21 0.00	35.81 0.35 0.00	32.94 -0.33 0.00	32.46 -0.26 0.00	35.85 -0.51 0.00	38.97 -0.84 0.00	40.52 -1.00 0.00	42.73 -0.52 0.00	43.41 0.09 0.00	43.15 0.30 0.00	48.20 0.43 0.00	51.88 0.41 0.00	54.59 0.22 0.00	58.96 0.29 0.00	61.30 -0.49 0.00	66.08 0.33 0.00	74.73 -0.15 0.00	75.08 -0.30 0.00	71.65 0.71 0.00	63.61 0.50 0.00	58.56 0.46 0.00	51.25 0.41 0.00	46.48 0.37 0.00
ROCKVIEW_13_KV_LD 356306	48.38 3.29 0.00	44.91 3.09 0.00	38.54 3.08 0.00	36.00 2.73 0.00	35.34 2.62 0.00	38.91 2.55 0.00	42.79 2.99 0.00	45.01 3.49 0.00	46.75 3.50 0.00	46.92 3.60 0.00	46.76 3.47 -0.43	52.25 4.01 -0.46	56.19 4.53 -0.20	59.94 5.11 -0.45	64.53 5.40 -0.46	68.99 6.55 -0.65	73.51 7.76 0.00	83.56 8.69 0.00	82.47 7.09 0.00	76.75 5.82 0.00	67.97 4.86 0.00	61.35 3.25 0.00	53.84 3.00 0.00	48.88 2.77 0.00
ROME____115KV_TB2 80656	46.76 1.67 0.00	43.24 1.42 0.00	36.73 1.28 0.00	34.34 1.06 0.00	33.90 1.18 0.00	37.71 1.35 0.00	41.32 1.51 0.00	43.10 1.58 0.00	45.06 1.82 0.00	45.06 1.73 0.00	44.40 1.54 0.00	49.54 1.77 0.00	53.32 1.85 0.00	56.50 2.12 0.00	60.96 2.29 0.00	63.89 2.10 0.00	68.38 2.63 0.00	77.80 2.92 0.00	79.00 3.62 0.00	74.55 3.62 0.00	66.70 3.60 0.00	61.29 3.20 0.00	53.28 2.44 0.00	48.10 1.98 0.00
ROSETON____1 23587	47.44 2.34 0.00	44.07 2.26 0.00	37.83 2.38 0.00	35.47 2.20 0.00	34.82 2.10 0.00	38.25 1.89 0.00	42.04 2.23 0.00	44.10 2.58 0.00	45.62 2.38 0.00	45.75 2.42 0.00	45.53 2.27 -0.40	50.88 2.67 -0.43	54.69 3.04 -0.19	58.28 3.48 -0.42	62.79 3.70 -0.43	67.52 5.13 -0.60	71.34 5.59 0.00	81.09 6.21 0.00	80.14 4.75 0.00	74.69 3.76 0.00	66.32 3.22 0.00	60.19 2.09 0.00	52.72 1.88 0.00	47.91 1.80 0.00
ROSETON____2 23588	47.44 2.34 0.00	44.07 2.26 0.00	37.83 2.38 0.00	35.47 2.20 0.00	34.82 2.10 0.00	38.25 1.89 0.00	42.04 2.23 0.00	44.10 2.58 0.00	45.62 2.38 0.00	45.75 2.42 0.00	45.53 2.27 -0.40	50.88 2.67 -0.43	54.69 3.04 -0.19	58.28 3.48 -0.42	62.79 3.70 -0.43	67.52 5.13 -0.60	71.34 5.59 0.00	81.09 6.21 0.00	80.14 4.75 0.00	74.69 3.76 0.00	66.32 3.22 0.00	60.19 2.09 0.00	52.72 1.88 0.00	47.91 1.80 0.00
ROTRTDAM_115KV_TB3 80664	46.58 1.49 0.00	43.24 1.42 0.00	36.91 1.45 0.00	34.70 1.43 0.00	34.10 1.37 0.00	37.63 1.27 0.00	41.20 1.39 0.00	42.93 1.41 0.00	44.59 1.34 0.00	44.49 1.17 0.00	43.72 1.11 0.24	48.81 1.29 0.26	52.84 1.49 0.11	55.81 1.69 0.25	60.35 1.94 0.26	63.84 2.41 0.36	68.58 2.83 0.00	78.17 3.29 0.00	78.17 2.79 0.00	73.42 2.48 0.00	65.51 2.40 0.00	59.78 1.68 0.00	52.21 1.37 0.00	47.31 1.20 0.00
RUSSELL____1 23602	45.63 0.54 0.00	42.28 0.46 0.00	35.98 0.53 0.00	33.07 -0.20 0.00	32.62 -0.10 0.00	36.00 -0.36 0.00	39.13 -0.68 0.00	40.73 -0.79 0.00	42.99 -0.26 0.00	43.67 0.35 0.00	43.41 0.56 0.00	48.54 0.76 0.00	52.29 0.82 0.00	55.03 0.65 0.00	59.49 0.82 0.00	61.79 0.00 0.00	66.61 0.85 0.00	75.33 0.45 0.00	75.76 0.38 0.00	72.28 1.35 0.00	64.12 1.01 0.00	59.03 0.93 0.00	51.60 0.76 0.00	46.76 0.65 0.00
RUSSELL____2 23532	45.63 0.54 0.00	42.28 0.46 0.00	35.98 0.53 0.00	33.07 -0.20 0.00	32.62 -0.10 0.00	36.00 -0.36 0.00	39.13 -0.68 0.00	40.73 -0.79 0.00	42.99 -0.26 0.00	43.67 0.35 0.00	43.41 0.56 0.00	48.54 0.76 0.00	52.29 0.82 0.00	55.03 0.65 0.00	59.49 0.82 0.00	61.79 0.00 0.00	66.61 0.85 0.00	75.33 0.45 0.00	75.76 0.38 0.00	72.28 1.35 0.00	64.12 1.01 0.00	59.03 0.93 0.00	51.60 0.76 0.00	46.76 0.65 0.00
RUSSELL____3 23549	45.63 0.54 0.00	42.28 0.46 0.00	35.98 0.53 0.00	33.07 -0.20 0.00	32.62 -0.10 0.00	36.00 -0.36 0.00	39.13 -0.68 0.00	40.73 -0.79 0.00	42.99 -0.26 0.00	43.67 0.35 0.00	43.41 0.56 0.00	48.54 0.76 0.00	52.29 0.82 0.00	55.03 0.65 0.00	59.49 0.82 0.00	61.79 0.00 0.00	66.61 0.85 0.00	75.33 0.45 0.00	75.76 0.38 0.00	72.28 1.35 0.00	64.12 1.01 0.00	59.03 0.93 0.00	51.60 0.76 0.00	46.76 0.65 0.00
RUSSELL____4 23556	45.63 0.54 0.00	42.28 0.46 0.00	35.98 0.53 0.00	33.07 -0.20 0.00	32.62 -0.10 0.00	36.00 -0.36 0.00	39.13 -0.68 0.00	40.73 -0.79 0.00	42.99 -0.26 0.00	43.67 0.35 0.00	43.41 0.56 0.00	48.54 0.76 0.00	52.29 0.82 0.00	55.03 0.65 0.00	59.49 0.82 0.00	61.79 0.00 0.00	66.61 0.85 0.00	75.33 0.45 0.00	75.76 0.38 0.00	72.28 1.35 0.00	64.12 1.01 0.00	59.03 0.93 0.00	51.60 0.76 0.00	46.76 0.65 0.00
RUSSELL____STATION 23914	45.63 0.54 0.00	42.28 0.46 0.00	35.98 0.53 0.00	33.07 -0.20 0.00	32.62 -0.10 0.00	36.00 -0.36 0.00	39.13 -0.68 0.00	40.73 -0.79 0.00	42.99 -0.26 0.00	43.67 0.35 0.00	43.41 0.56 0.00	48.54 0.76 0.00	52.29 0.82 0.00	55.03 0.65 0.00	59.49 0.82 0.00	61.79 0.00 0.00	66.61 0.85 0.00	75.33 0.45 0.00	75.76 0.38 0.00	72.28 1.35 0.00	64.12 1.01 0.00	59.03 0.93 0.00	51.60 0.76 0.00	46.76 0.65 0.00
S SALMON____HYD 24043	45.09 0.00 0.00	41.69 -0.13 0.00	35.42 -0.04 0.00	33.11 -0.17 0.00	32.62 -0.10 0.00	36.25 -0.11 0.00	39.69 -0.12 0.00	41.35 -0.17 0.00	43.25 0.00 0.00	43.32 0.00 0.00	42.77 -0.09 0.00	47.68 -0.10 0.00	51.31 -0.15 0.00	54.16 -0.22 0.00	58.32 -0.35 0.00	61.23 -0.56 0.00	65.16 -0.59 0.00	74.28 -0.60 0.00	75.16 -0.23 0.00	71.15 0.21 0.00	63.49 0.38 0.00	58.39 0.29 0.00	51.98 0.36 -0.79	46.25 0.14 0.00
S.PERRY__115KV_TB1 80734	46.81 1.71 0.00	43.28 1.46 0.00	36.87 1.42 0.00	33.81 0.53 0.00	33.41 0.69 0.00	36.87 0.51 0.00	40.13 0.32 0.00	41.60 0.08 0.00	43.59 0.35 0.00	44.02 0.69 0.00	43.58 0.73 0.00	48.54 0.76 0.00	52.24 0.77 0.00	54.76 0.38 0.00	57.14 -1.53 0.00	59.57 -2.22 0.00	64.63 -1.12 0.00	73.46 -1.42 0.00	74.40 -0.98 0.00	71.93 0.99 0.00	64.18 1.07 0.00	59.32 1.22 0.00	53.33 2.49 0.00	48.19 2.08 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	44.82 -0.27 0.00	41.61 -0.21 0.00	35.52 0.07 0.00	32.41 -0.87 0.00	31.94 -0.79 0.00	35.16 -1.20 0.00	37.98 -1.83 0.00	39.28 -2.24 0.00	41.56 -1.69 0.00	42.59 -0.74 0.00	42.43 -0.43 0.00	47.29 -0.48 0.00	51.00 -0.46 0.00	53.40 -0.98 0.00	57.50 -1.17 0.00	59.13 -2.66 0.00	64.24 -1.51 0.00	72.33 -2.55 0.00	72.74 -2.64 0.00	69.87 -1.06 0.00	62.03 -1.07 0.00	57.28 -0.81 0.00	50.28 -0.56 0.00	45.79 -0.32 0.00

SAWYER___23_KV_LOAD 55526	44.82 -0.27 0.00	41.61 -0.21 0.00	35.52 0.07 0.00	32.41 -0.87 0.00	31.94 -0.79 0.00	35.16 -1.20 0.00	37.98 -1.83 0.00	39.28 -2.24 0.00	41.56 -1.69 0.00	42.59 -0.74 0.00	42.43 -0.43 0.00	47.29 -0.48 0.00	51.00 -0.46 0.00	53.40 -0.98 0.00	57.50 -1.17 0.00	59.13 -2.66 0.00	64.24 -1.51 0.00	72.33 -2.55 0.00	72.74 -2.64 0.00	69.87 -1.06 0.00	62.03 -1.07 0.00	57.28 -0.81 0.00	50.28 -0.56 0.00	45.79 -0.32 0.00
SELKIRK___I 23801	46.26 1.17 0.00	42.95 1.13 0.00	36.73 1.27 0.00	34.64 1.36 0.00	34.03 1.31 0.00	37.42 1.06 0.00	40.92 1.11 0.00	42.60 1.08 0.00	44.06 0.82 0.00	43.97 0.65 0.00	43.33 0.64 0.17	48.36 0.76 0.17	52.26 0.87 0.08	55.35 1.14 0.17	59.85 1.35 0.17	63.65 2.10 0.24	67.86 2.10 0.00	77.43 2.55 0.00	77.27 1.89 0.00	72.64 1.70 0.00	64.81 1.70 0.00	59.20 1.10 0.00	51.65 0.81 0.00	46.95 0.83 0.00
SELKIRK___II 23799	45.99 0.90 0.00	42.70 0.88 0.00	36.59 1.13 0.00	34.47 1.20 0.00	33.87 1.14 0.00	37.23 0.87 0.00	40.80 1.00 0.00	42.56 1.04 0.00	44.11 0.86 0.00	44.06 0.74 0.00	43.38 0.73 0.20	48.42 0.86 0.21	52.40 1.03 0.09	55.42 1.25 0.21	59.86 1.41 0.21	63.72 2.22 0.29	67.99 2.24 0.00	77.50 2.62 0.00	77.19 1.81 0.00	72.35 1.42 0.00	64.49 1.39 0.00	58.85 0.75 0.00	51.40 0.56 0.00	46.67 0.56 0.00
SENECA OSWGO___HYD 24041	44.37 -0.72 0.00	41.07 -0.75 0.00	34.96 -0.50 0.00	32.64 -0.63 0.00	32.13 -0.59 0.00	35.60 -0.77 0.00	38.93 -0.88 0.00	40.65 -0.87 0.00	42.47 -0.78 0.00	42.59 -0.74 0.00	42.17 -0.69 0.00	47.01 -0.77 0.00	50.69 -0.77 0.00	53.45 -0.92 0.00	57.61 -1.05 0.00	60.68 -1.11 0.00	64.70 -1.05 0.00	73.68 -1.20 0.00	74.10 -1.28 0.00	70.09 -0.85 0.00	62.22 -0.88 0.00	57.23 -0.87 0.00	51.29 -0.76 -1.21	45.29 -0.83 0.00
SENECA___115KV_TB3 355854	45.09 0.00 0.00	41.90 0.08 0.00	35.77 0.32 0.00	32.64 -0.63 0.00	32.20 -0.52 0.00	35.42 -0.95 0.00	38.30 -1.51 0.00	39.69 -1.83 0.00	42.03 -1.21 0.00	43.06 -0.26 0.00	42.90 0.04 0.00	47.82 0.05 0.00	51.62 0.15 0.00	54.05 -0.33 0.00	58.20 -0.47 0.00	59.81 -1.98 0.00	65.03 -0.72 0.00	73.23 -1.65 0.00	73.65 -1.73 0.00	70.79 -0.14 0.00	62.86 -0.25 0.00	58.04 -0.06 0.00	50.89 0.05 0.00	46.25 0.14 0.00
SENECA___ENERGY 23797	45.36 0.27 0.00	41.86 0.04 0.00	35.67 0.21 0.00	33.17 -0.10 0.00	32.66 -0.07 0.00	36.15 -0.22 0.00	39.57 -0.24 0.00	41.27 -0.25 0.00	43.33 0.09 0.00	43.63 0.31 0.00	43.20 0.34 0.00	48.11 0.34 0.00	51.83 0.36 0.00	54.54 0.16 0.00	58.90 0.24 0.00	61.91 0.12 0.00	66.15 0.40 0.00	75.25 0.38 0.00	75.84 0.46 0.00	72.00 1.07 0.00	63.93 0.82 0.00	58.80 0.70 0.00	51.68 0.51 -0.34	46.39 0.28 0.00
SHOEMAKER___GT 23640	47.35 2.25 0.00	43.99 2.17 0.00	37.72 2.27 0.00	35.37 2.10 0.00	34.72 2.00 0.00	38.22 1.85 0.00	41.92 2.11 0.00	43.93 2.41 0.00	45.49 2.25 0.00	45.58 2.25 0.00	45.41 2.18 -0.38	50.70 2.53 -0.40	54.57 2.93 -0.17	58.14 3.37 -0.39	62.65 3.58 -0.40	67.30 4.95 -0.56	71.08 5.32 0.00	80.87 5.99 0.00	79.75 4.37 0.00	74.48 3.55 0.00	66.20 3.09 0.00	60.13 2.03 0.00	52.62 1.78 0.00	47.77 1.66 0.00
SHOEMAKR_138KV_BK 111 55601	47.39 2.30 0.00	43.95 2.13 0.00	37.72 2.27 0.00	35.34 2.06 0.00	34.72 2.00 0.00	38.18 1.82 0.00	41.92 2.11 0.00	43.93 2.41 0.00	45.58 2.34 0.00	45.62 2.30 0.00	45.45 2.23 -0.37	50.70 2.53 -0.40	54.62 2.98 -0.17	58.19 3.43 -0.39	62.70 3.64 -0.40	66.80 4.45 -0.56	71.14 5.39 0.00	80.87 5.99 0.00	79.76 4.37 0.00	74.55 3.62 0.00	66.20 3.09 0.00	60.07 1.98 0.00	52.62 1.78 0.00	47.73 1.61 0.00
SHOREHAM_IC_1 23715	48.02 2.93 0.00	45.63 3.80 -0.01	38.89 3.44 0.00	36.03 2.76 0.00	35.21 2.49 0.00	38.91 2.54 0.00	42.92 3.11 0.00	45.64 4.11 -0.01	46.97 3.72 0.00	47.61 4.12 -0.17	46.86 3.47 -0.54	51.88 4.06 -0.05	57.17 4.58 -1.13	62.14 5.49 -2.28	66.87 5.92 -2.28	72.35 7.72 -2.84	123.32 8.49 -49.08	186.41 9.66 -101.87	124.24 7.91 -40.94	78.29 6.52 -0.83	70.75 5.24 -2.41	63.34 3.66 -1.59	53.76 2.90 -0.02	47.91 1.98 0.18
SHOREHAM_IC_2 23716	48.38 3.29 0.00	45.62 3.81 0.00	38.89 3.44 0.00	36.04 2.76 0.00	35.21 2.49 0.00	38.91 2.55 0.00	42.91 3.11 0.00	45.59 4.07 0.00	47.14 3.89 0.00	47.61 4.12 -0.17	46.95 3.56 -0.54	51.74 3.92 -0.05	57.22 4.63 -1.13	62.20 5.55 -2.28	66.93 5.98 -2.28	71.73 7.11 -2.84	123.31 8.48 -49.08	186.40 9.66 -101.87	124.39 8.07 -40.94	78.37 6.60 -0.83	70.76 5.24 -2.41	63.34 3.66 -1.59	53.81 2.95 -0.02	47.87 1.94 0.18
SISSONVILLE____ 23735	45.41 0.32 0.00	42.15 0.33 0.00	35.17 -0.28 0.00	33.04 -0.23 0.00	32.56 -0.16 0.00	36.69 0.33 0.00	40.21 0.40 0.00	41.89 0.37 0.00	43.68 0.43 0.00	43.67 0.35 0.00	43.20 0.34 0.00	47.96 0.19 0.00	51.31 -0.15 0.00	54.21 -0.16 0.00	58.49 -0.18 0.00	61.36 -0.43 0.00	64.37 -1.38 0.00	73.08 -1.80 0.00	74.03 -1.36 0.00	69.73 -1.21 0.00	62.29 -0.82 0.00	58.39 0.29 0.00	51.45 0.61 0.00	46.85 0.74 0.00
SITHE_IND_GS1 24169	43.92 -1.17 0.00	40.69 -1.13 0.00	34.60 -0.85 0.00	32.38 -0.90 0.00	31.84 -0.88 0.00	35.27 -1.09 0.00	38.57 -1.23 0.00	40.23 -1.29 0.00	42.03 -1.21 0.00	42.16 -1.17 0.00	41.78 -1.07 0.00	46.58 -1.19 0.00	50.23 -1.24 0.00	52.96 -1.41 0.00	57.14 -1.53 0.00	60.18 -1.61 0.00	64.17 -1.58 0.00	73.01 -1.87 0.00	73.35 -2.03 0.00	69.31 -1.63 0.00	61.59 -1.52 0.00	56.59 -1.51 0.00	45.28 -1.32 4.24	44.82 -1.29 0.00
SITHE_IND_GS2 24170	43.92 -1.17 0.00	40.69 -1.13 0.00	34.60 -0.85 0.00	32.38 -0.90 0.00	31.84 -0.88 0.00	35.27 -1.09 0.00	38.57 -1.23 0.00	40.23 -1.29 0.00	42.03 -1.21 0.00	42.16 -1.17 0.00	41.78 -1.07 0.00	46.58 -1.19 0.00	50.23 -1.24 0.00	52.96 -1.41 0.00	57.14 -1.53 0.00	60.18 -1.61 0.00	64.17 -1.58 0.00	73.01 -1.87 0.00	73.35 -2.03 0.00	69.31 -1.63 0.00	61.59 -1.52 0.00	56.59 -1.51 0.00	45.28 -1.32 4.24	44.82 -1.29 0.00
SITHE_IND_GS3 24171	43.92 -1.17 0.00	40.69 -1.13 0.00	34.60 -0.85 0.00	32.38 -0.90 0.00	31.84 -0.88 0.00	35.27 -1.09 0.00	38.57 -1.23 0.00	40.23 -1.29 0.00	42.03 -1.21 0.00	42.16 -1.17 0.00	41.78 -1.07 0.00	46.58 -1.19 0.00	50.23 -1.24 0.00	52.96 -1.41 0.00	57.14 -1.53 0.00	60.18 -1.61 0.00	64.17 -1.58 0.00	73.01 -1.87 0.00	73.35 -2.03 0.00	69.31 -1.63 0.00	61.59 -1.52 0.00	56.59 -1.51 0.00	45.28 -1.32 4.24	44.82 -1.29 0.00
SITHE_IND_GS4 24172	43.92 -1.17 0.00	40.69 -1.13 0.00	34.60 -0.85 0.00	32.38 -0.90 0.00	31.84 -0.88 0.00	35.27 -1.09 0.00	38.57 -1.23 0.00	40.23 -1.29 0.00	42.03 -1.21 0.00	42.16 -1.17 0.00	41.78 -1.07 0.00	46.58 -1.19 0.00	50.23 -1.24 0.00	52.96 -1.41 0.00	57.14 -1.53 0.00	60.18 -1.61 0.00	64.17 -1.58 0.00	73.01 -1.87 0.00	73.35 -2.03 0.00	69.31 -1.63 0.00	61.59 -1.52 0.00	56.59 -1.51 0.00	45.28 -1.32 4.24	44.82 -1.29 0.00

SITHE___BATAVIA 24024	46.22 1.13 0.00	42.74 0.92 0.00	36.41 0.96 0.00	33.31 0.03 0.00	32.79 0.07 0.00	36.00 -0.36 0.00	38.97 -0.84 0.00	40.48 -1.04 0.00	43.12 -0.13 0.00	43.71 0.39 0.00	43.54 0.68 0.00	48.53 0.76 0.00	52.34 0.87 0.00	54.87 0.49 0.00	59.26 0.59 0.00	61.73 -0.06 0.00	66.41 0.66 0.00	74.88 0.00 0.00	75.61 0.23 0.00	72.71 1.77 0.00	64.56 1.45 0.00	59.37 1.28 0.00	52.32 1.48 0.00	47.18 1.06 0.00
SITHE___INDEPEND 23800	43.92 -1.17 0.00	40.69 -1.13 0.00	34.60 -0.85 0.00	32.34 -0.93 0.00	31.84 -0.88 0.00	35.27 -1.09 0.00	38.57 -1.23 0.00	40.23 -1.29 0.00	41.99 -1.25 0.00	42.15 -1.17 0.00	41.78 -1.07 0.00	46.58 -1.19 0.00	50.18 -1.29 0.00	52.91 -1.47 0.00	57.14 -1.53 0.00	60.00 -1.79 0.00	64.11 -1.64 0.00	73.01 -1.87 0.00	73.35 -2.04 0.00	69.30 -1.63 0.00	61.53 -1.58 0.00	56.59 -1.51 0.00	45.28 -1.32 4.24	44.82 -1.29 0.00
SITHE___MASSENA 23902	45.23 0.14 0.00	42.03 0.21 0.00	35.10 -0.35 0.00	32.97 -0.30 0.00	32.46 -0.26 0.00	36.51 0.15 0.00	39.97 0.16 0.00	41.69 0.17 0.00	43.42 0.17 0.00	43.45 0.13 0.00	43.03 0.17 0.00	47.77 0.00 0.00	51.21 -0.26 0.00	54.05 -0.32 0.00	58.38 -0.29 0.00	60.87 -0.93 0.00	64.57 -1.18 0.00	73.68 -1.20 0.00	74.33 -1.06 0.00	69.94 -0.99 0.00	62.29 -0.82 0.00	58.04 -0.06 0.00	50.94 0.10 0.00	46.48 0.37 0.00
SITHE___OGDNSBRG 24021	45.95 0.86 0.00	42.65 0.84 0.00	35.56 0.11 0.00	33.41 0.13 0.00	32.92 0.20 0.00	37.16 0.80 0.00	40.68 0.88 0.00	42.31 0.79 0.00	43.98 0.74 0.00	43.89 0.56 0.00	43.37 0.51 0.00	48.11 0.33 0.00	51.51 0.05 0.00	54.49 0.11 0.00	58.85 0.18 0.00	61.73 -0.06 0.00	64.96 -0.79 0.00	74.05 -0.82 0.00	75.23 -0.15 0.00	71.01 0.07 0.00	63.42 0.32 0.00	59.26 1.16 0.00	52.01 1.17 0.00	47.36 1.25 0.00
SITHE___STERLING 23777	46.40 1.31 0.00	42.90 1.09 0.00	36.48 1.03 0.00	34.14 0.86 0.00	33.67 0.95 0.00	37.38 1.02 0.00	40.96 1.16 0.00	42.73 1.20 0.00	44.63 1.38 0.00	44.62 1.30 0.00	44.05 1.20 0.00	49.16 1.39 0.00	52.96 1.49 0.00	56.06 1.69 0.00	60.49 1.82 0.00	63.71 1.92 0.00	67.92 2.17 0.00	77.35 2.47 0.00	78.25 2.86 0.00	73.85 2.91 0.00	65.88 2.77 0.00	60.48 2.38 0.00	52.67 1.83 0.00	47.59 1.48 0.00
SLEIGHT__34_KV_TB1 80719	45.05 -0.05 0.00	41.69 -0.13 0.00	35.49 0.04 0.00	32.81 -0.47 0.00	32.36 -0.36 0.00	35.78 -0.58 0.00	39.01 -0.80 0.00	40.69 -0.83 0.00	42.81 -0.43 0.00	43.28 -0.04 0.00	42.94 0.09 0.00	47.96 0.19 0.00	51.62 0.15 0.00	54.32 -0.05 0.00	58.73 0.06 0.00	61.17 -0.62 0.00	65.82 0.07 0.00	74.65 -0.22 0.00	75.16 -0.23 0.00	71.43 0.50 0.00	63.36 0.25 0.00	58.39 0.29 0.00	51.11 0.10 -0.17	46.11 0.00 0.00
SMITHTWN_69_KV_BK 1 55830	48.84 3.74 0.00	46.12 4.31 0.00	39.35 3.90 0.00	36.47 3.19 0.00	35.67 2.94 0.00	39.34 2.98 0.00	43.39 3.58 0.00	46.05 4.53 0.00	47.62 4.37 0.00	48.04 4.55 -0.17	47.31 3.99 -0.47	51.77 4.44 0.45	57.64 5.20 -0.98	62.65 6.09 -2.18	68.58 6.39 -3.52	72.16 7.60 -2.77	205.74 9.07 -130.92	321.27 10.26 -236.14	207.84 8.59 -123.86	78.82 7.02 -0.86	71.26 5.68 -2.48	63.47 4.12 -1.25	53.78 3.51 0.57	48.17 2.40 0.35
SOUTH CAIRO___GT 23612	47.21 2.12 0.00	43.78 1.97 0.00	37.33 1.88 0.00	35.20 1.93 0.00	34.55 1.83 0.00	38.03 1.67 0.00	41.72 1.91 0.00	43.35 1.83 0.00	44.80 1.56 0.00	44.28 0.95 0.00	44.08 1.33 0.10	49.05 1.39 0.11	53.27 1.85 0.05	56.45 2.18 0.11	61.14 2.58 0.11	64.79 3.15 0.15	68.84 3.09 0.00	78.85 3.97 0.00	79.15 3.77 0.00	74.48 3.55 0.00	66.39 3.28 0.00	60.54 2.44 0.00	52.72 1.88 0.00	47.87 1.75 0.00
SOUTH HAMPTN___IC 23720	48.88 3.79 0.00	46.42 4.60 -0.01	39.53 4.08 0.00	36.63 3.36 0.00	35.80 3.07 0.00	39.52 3.16 0.00	43.59 3.78 0.00	46.47 4.94 -0.01	47.96 4.71 0.00	48.69 5.20 -0.17	48.07 4.67 -0.55	53.41 5.54 -0.10	58.75 6.17 -1.12	63.81 7.18 -2.25	68.49 7.68 -2.14	74.05 9.45 -2.81	117.46 10.19 -41.51	176.62 11.61 -90.14	118.48 9.73 -33.37	79.91 8.15 -0.82	72.05 6.56 -2.38	64.63 4.94 -1.60	54.83 3.92 -0.07	48.81 2.86 0.17
SOUTHDOWN_115KV_TB1 355954	45.99 0.90 0.00	42.57 0.75 0.00	36.34 0.89 0.00	33.14 -0.13 0.00	32.79 0.07 0.00	36.07 -0.29 0.00	39.37 -0.44 0.00	41.15 -0.37 0.00	43.59 0.35 0.00	44.75 1.43 0.00	44.65 1.80 0.00	49.68 1.91 0.00	53.73 2.26 0.00	56.17 1.79 0.00	60.49 1.82 0.00	61.67 -0.12 0.00	67.13 1.38 0.00	75.48 0.60 0.00	75.99 0.60 0.00	73.28 2.34 0.00	65.00 1.89 0.00	60.30 2.21 0.00	52.62 1.78 0.00	47.54 1.43 0.00
SOUTHOLD_69_KV_BK 2 55809	50.14 5.05 0.00	47.17 5.35 0.00	40.13 4.68 0.00	37.17 3.89 0.00	36.35 3.63 0.00	40.18 3.82 0.00	44.31 4.50 0.00	47.29 5.77 0.00	49.13 5.88 0.00	49.86 6.37 -0.17	49.36 5.96 -0.55	54.75 6.88 -0.10	60.45 7.87 -1.12	65.49 8.86 -2.25	70.20 9.39 -2.14	74.98 10.38 -2.81	119.06 11.64 -41.67	178.49 13.25 -90.36	120.21 11.31 -33.52	81.26 9.51 -0.82	73.06 7.57 -2.38	65.74 6.04 -1.60	55.79 4.88 -0.07	49.59 3.64 0.17
SOUTHOLD___IC 23719	49.78 4.69 0.00	47.18 5.35 -0.01	40.13 4.68 0.00	37.17 3.89 0.00	36.32 3.60 0.00	40.18 3.82 0.00	44.31 4.50 0.00	47.34 5.81 -0.01	49.00 5.75 0.00	49.82 6.33 -0.17	49.27 5.87 -0.55	54.89 7.03 -0.10	60.40 7.82 -1.12	65.44 8.81 -2.25	70.14 9.33 -2.14	75.66 11.06 -2.81	119.00 11.58 -41.67	178.49 13.26 -90.36	120.06 11.15 -33.52	81.19 9.44 -0.82	73.06 7.57 -2.38	65.73 6.04 -1.60	55.75 4.83 -0.07	49.64 3.69 0.17
SOUTH_FORK_WT_PWR 323839	49.74 4.65 0.00	47.18 5.35 -0.01	40.09 4.64 0.00	37.17 3.89 0.00	36.35 3.63 0.00	40.21 3.85 0.00	44.35 4.54 0.00	47.42 5.89 -0.01	49.08 5.84 0.00	49.95 6.46 -0.17	49.40 6.00 -0.55	55.03 7.16 -0.10	60.50 7.92 -1.12	65.44 8.81 -2.25	70.02 9.21 -2.14	75.41 10.81 -2.81	118.38 11.04 -41.58	177.69 12.58 -90.24	119.23 10.41 -33.44	80.48 8.72 -0.82	72.43 6.94 -2.38	65.33 5.63 -1.60	55.44 4.52 -0.07	49.45 3.50 0.17
SPIERFLS_115KV_TB 1 80737	47.17 2.07 0.00	43.82 2.01 0.00	37.37 1.91 0.00	35.07 1.80 0.00	34.49 1.77 0.00	38.14 1.78 0.00	41.72 1.91 0.00	43.60 2.08 0.00	45.15 1.90 0.00	44.97 1.65 0.00	43.82 1.29 0.32	48.78 1.34 0.33	52.86 1.54 0.14	55.84 1.79 0.33	60.63 2.29 0.33	64.23 2.90 0.46	69.30 3.55 0.00	79.37 4.49 0.00	79.83 4.45 0.00	74.98 4.04 0.00	67.21 4.10 0.00	61.12 3.02 0.00	53.03 2.19 0.00	47.91 1.80 0.00
ST LAWRENCE____ 23600	44.60 -0.50 0.00	41.44 -0.38 0.00	34.74 -0.71 0.00	32.64 -0.63 0.00	32.13 -0.59 0.00	36.03 -0.33 0.00	39.45 -0.36 0.00	41.15 -0.37 0.00	42.86 -0.39 0.00	42.93 -0.39 0.00	42.47 -0.39 0.00	47.20 -0.57 0.00	50.74 -0.72 0.00	53.50 -0.87 0.00	57.73 -0.94 0.00	60.31 -1.48 0.00	64.04 -1.71 0.00	73.08 -1.80 0.00	73.65 -1.73 0.00	69.31 -1.63 0.00	61.66 -1.45 0.00	57.34 -0.76 0.00	50.33 -0.51 0.00	45.79 -0.32 0.00

STATE_CA_115KV_115_LB 55624	46.17 1.08 0.00	42.82 1.00 0.00	36.69 1.24 0.00	34.61 1.33 0.00	33.97 1.24 0.00	37.31 0.95 0.00	40.88 1.07 0.00	42.72 1.20 0.00	44.28 1.04 0.00	44.19 0.87 0.00	43.42 0.86 0.29	48.47 1.00 0.31	52.56 1.24 0.13	55.59 1.52 0.30	60.12 1.76 0.31	63.64 2.29 0.43	68.45 2.70 0.00	78.10 3.22 0.00	77.72 2.34 0.00	72.78 1.84 0.00	64.87 1.77 0.00	59.08 0.99 0.00	51.55 0.71 0.00	46.76 0.65 0.00
STATE_ST_34_KV_LOAD 55959	45.41 0.32 0.00	41.98 0.17 0.00	35.77 0.32 0.00	33.34 0.07 0.00	32.85 0.13 0.00	36.36 0.00 0.00	39.81 0.00 0.00	41.56 0.04 0.00	43.50 0.26 0.00	43.76 0.43 0.00	43.28 0.43 0.00	48.30 0.53 0.00	52.03 0.57 0.00	54.76 0.38 0.00	59.14 0.47 0.00	61.98 0.19 0.00	66.48 0.72 0.00	75.70 0.82 0.00	76.21 0.83 0.00	72.28 1.35 0.00	64.12 1.01 0.00	59.03 0.93 0.00	51.82 0.61 -0.37	46.48 0.37 0.00
STATION_5_MISC_HYD 23604	45.54 0.45 0.00	42.03 0.21 0.00	35.81 0.35 0.00	33.01 -0.27 0.00	32.46 -0.26 0.00	35.85 -0.51 0.00	38.97 -0.84 0.00	40.52 -1.00 0.00	42.94 -0.30 0.00	43.41 0.09 0.00	43.20 0.34 0.00	48.20 0.43 0.00	51.98 0.51 0.00	54.65 0.27 0.00	59.02 0.35 0.00	61.73 -0.06 0.00	66.15 0.40 0.00	74.73 -0.15 0.00	75.23 -0.15 0.00	71.79 0.85 0.00	63.74 0.63 0.00	58.56 0.46 0.00	51.45 0.61 0.00	46.48 0.37 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	45.27 0.18 0.00	41.90 0.08 0.00	35.70 0.25 0.00	32.97 -0.30 0.00	32.53 -0.20 0.00	35.93 -0.44 0.00	39.21 -0.60 0.00	40.86 -0.66 0.00	42.99 -0.26 0.00	43.50 0.17 0.00	43.15 0.30 0.00	48.11 0.33 0.00	51.77 0.31 0.00	54.49 0.11 0.00	58.90 0.23 0.00	61.36 -0.43 0.00	66.08 0.33 0.00	74.88 0.00 0.00	75.38 0.00 0.00	71.79 0.85 0.00	63.68 0.57 0.00	58.62 0.52 0.00	51.35 0.36 -0.16	46.39 0.28 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	45.09 0.00 0.00	41.77 -0.04 0.00	35.56 0.11 0.00	32.74 -0.53 0.00	32.30 -0.43 0.00	35.67 -0.69 0.00	38.77 -1.04 0.00	40.40 -1.12 0.00	42.60 -0.65 0.00	43.19 -0.13 0.00	42.94 0.09 0.00	47.96 0.19 0.00	51.67 0.21 0.00	54.38 0.00 0.00	58.79 0.12 0.00	61.11 -0.68 0.00	65.82 0.07 0.00	74.43 -0.45 0.00	74.86 -0.53 0.00	71.36 0.43 0.00	63.30 0.19 0.00	58.27 0.17 0.00	50.94 0.10 0.00	46.21 0.09 0.00
STA_56___34_KV_BUS2 355983	45.09 0.00 0.00	41.77 -0.04 0.00	35.56 0.11 0.00	32.74 -0.53 0.00	32.30 -0.43 0.00	35.67 -0.69 0.00	38.77 -1.04 0.00	40.40 -1.12 0.00	42.60 -0.65 0.00	43.19 -0.13 0.00	42.94 0.09 0.00	47.96 0.19 0.00	51.67 0.21 0.00	54.38 0.00 0.00	58.79 0.12 0.00	61.11 -0.68 0.00	65.82 0.07 0.00	74.43 -0.45 0.00	74.86 -0.53 0.00	71.36 0.43 0.00	63.30 0.19 0.00	58.27 0.17 0.00	50.94 0.10 0.00	46.21 0.09 0.00
STA_67___115KV_BK2 355882	45.27 0.18 0.00	41.94 0.13 0.00	35.74 0.28 0.00	32.87 -0.40 0.00	32.39 -0.33 0.00	35.78 -0.58 0.00	38.89 -0.92 0.00	40.44 -1.08 0.00	42.64 -0.61 0.00	43.28 -0.04 0.00	43.03 0.17 0.00	48.06 0.29 0.00	51.72 0.26 0.00	54.43 0.05 0.00	58.79 0.12 0.00	61.05 -0.74 0.00	65.82 0.07 0.00	74.43 -0.45 0.00	74.86 -0.53 0.00	71.43 0.50 0.00	63.42 0.32 0.00	58.39 0.29 0.00	51.09 0.25 0.00	46.35 0.23 0.00
STA_7___115KV_9TRANS 80674	45.63 0.54 0.00	42.28 0.46 0.00	35.98 0.53 0.00	33.07 -0.20 0.00	32.62 -0.10 0.00	36.00 -0.36 0.00	39.13 -0.68 0.00	40.73 -0.79 0.00	42.99 -0.26 0.00	43.67 0.35 0.00	43.41 0.56 0.00	48.54 0.76 0.00	52.29 0.82 0.00	55.03 0.65 0.00	59.49 0.82 0.00	61.79 0.00 0.00	66.61 0.85 0.00	75.33 0.45 0.00	75.76 0.38 0.00	72.28 1.35 0.00	64.12 1.01 0.00	59.03 0.93 0.00	51.60 0.76 0.00	46.76 0.65 0.00
STA_82___115KV_TB1 80780	45.27 0.18 0.00	41.94 0.13 0.00	35.74 0.28 0.00	32.87 -0.40 0.00	32.39 -0.33 0.00	35.78 -0.58 0.00	38.89 -0.92 0.00	40.44 -1.08 0.00	42.64 -0.61 0.00	43.28 -0.04 0.00	43.03 0.17 0.00	48.06 0.29 0.00	51.72 0.26 0.00	54.43 0.05 0.00	58.79 0.12 0.00	61.11 -0.68 0.00	65.82 0.07 0.00	74.50 -0.37 0.00	74.86 -0.53 0.00	71.43 0.50 0.00	63.42 0.32 0.00	58.39 0.29 0.00	51.09 0.25 0.00	46.35 0.23 0.00
STEEL___WIND 323596	45.32 0.23 0.00	41.86 0.04 0.00	35.73 0.28 0.00	32.71 -0.57 0.00	32.17 -0.56 0.00	35.38 -0.98 0.00	38.26 -1.55 0.00	39.65 -1.87 0.00	42.25 -0.99 0.00	43.02 -0.30 0.00	42.94 0.09 0.00	47.77 0.00 0.00	51.67 0.21 0.00	53.94 -0.44 0.00	58.08 -0.59 0.00	60.49 -1.30 0.00	65.09 -0.66 0.00	73.23 -1.65 0.00	73.88 -1.51 0.00	71.01 0.07 0.00	63.04 -0.06 0.00	57.98 -0.12 0.00	51.20 0.36 0.00	46.21 0.09 0.00
STEPHTWN_115KV_BK_2 55603	46.35 1.26 0.00	42.95 1.13 0.00	36.80 1.35 0.00	34.70 1.43 0.00	34.06 1.34 0.00	37.42 1.05 0.00	41.04 1.23 0.00	42.89 1.37 0.00	44.46 1.21 0.00	44.32 1.00 0.28	43.56 0.99 0.30	48.62 1.15 0.13	52.72 1.39 0.13	55.77 1.69 0.29	60.31 1.94 0.30	63.91 2.53 0.42	68.78 3.02 0.00	78.47 3.59 0.00	78.10 2.71 0.00	73.21 2.27 0.00	65.25 2.15 0.00	59.38 1.28 0.00	51.81 0.97 0.00	46.99 0.88 0.00
STEBEN_REC_LFGE 323667	45.68 0.59 0.00	42.23 0.42 0.00	36.02 0.57 0.00	33.07 -0.20 0.00	32.66 -0.07 0.00	36.11 -0.25 0.00	39.41 -0.40 0.00	41.02 -0.50 0.00	43.16 -0.09 0.00	43.76 0.43 0.00	43.37 0.51 0.00	48.30 0.53 0.00	51.93 0.46 0.00	54.27 -0.11 0.00	58.26 -0.41 0.00	60.06 -1.73 0.00	65.29 -0.46 0.00	74.20 -0.67 0.00	75.08 -0.30 0.00	72.43 1.49 0.00	64.50 1.39 0.00	59.72 1.63 0.00	52.16 1.32 0.00	47.22 1.11 0.00
STILLWATER___SOLAR 323814	47.39 2.30 0.00	43.99 2.17 0.00	37.58 2.13 0.00	35.27 2.00 0.00	34.65 1.93 0.00	38.25 1.89 0.00	41.88 2.07 0.00	43.68 2.16 0.00	45.19 1.95 0.00	45.06 1.73 0.00	44.04 1.54 0.35	49.17 1.77 0.37	53.26 1.96 0.16	56.29 2.28 0.37	61.00 2.70 0.37	64.92 3.64 0.52	69.70 3.94 0.00	79.74 4.86 0.00	79.68 4.29 0.00	74.84 3.90 0.00	66.96 3.85 0.00	61.00 2.90 0.00	53.07 2.23 0.00	48.05 1.94 0.00
STONY___BROOK 24151	48.43 3.34 0.00	46.09 4.27 -0.01	39.32 3.86 0.00	36.44 3.16 0.00	35.63 2.91 0.00	39.31 2.94 0.00	43.35 3.54 0.00	46.05 4.53 -0.01	47.44 4.19 0.00	48.04 4.55 -0.17	47.22 3.86 -0.51	52.06 4.44 0.16	57.61 4.99 -1.15	62.59 5.87 -2.34	67.66 6.10 -2.89	72.60 7.91 -2.89	158.88 8.68 -84.45	243.91 9.81 -159.23	160.14 8.07 -76.69	78.40 6.60 -0.87	70.94 5.36 -2.47	63.45 3.89 -1.46	53.92 3.30 0.23	48.26 2.40 0.25
STURGEON_POOL_HYD 23609	47.66 2.57 0.00	44.24 2.43 0.00	37.90 2.45 0.00	35.54 2.26 0.00	34.88 2.16 0.00	38.36 2.00 0.00	42.16 2.35 0.00	44.22 2.70 0.00	45.93 2.68 0.00	45.84 2.51 0.00	45.74 2.66 -0.23	50.99 2.96 -0.25	55.07 3.50 -0.11	58.65 4.02 -0.25	63.20 4.28 -0.25	67.27 5.13 -0.35	71.60 5.85 0.00	81.32 6.44 0.00	80.51 5.13 0.00	75.12 4.19 0.00	66.58 3.47 0.00	60.36 2.27 0.00	52.92 2.08 0.00	48.05 1.94 0.00

ST_LAW_115_BK7_LBMP 345037	44.64 -0.45 0.00	41.44 -0.38 0.00	34.71 -0.75 0.00	32.64 -0.63 0.00	32.10 -0.62 0.00	36.03 -0.33 0.00	39.45 -0.36 0.00	41.15 -0.37 0.00	42.86 -0.39 0.00	42.93 -0.39 0.00	42.47 -0.39 0.00	47.20 -0.57 0.00	50.69 -0.77 0.00	53.50 -0.87 0.00	57.73 -0.94 0.00	60.25 -1.54 0.00	63.98 -1.77 0.00	73.01 -1.87 0.00	73.57 -1.81 0.00	69.23 -1.70 0.00	61.59 -1.52 0.00	57.34 -0.76 0.00	50.33 -0.51 0.00	45.79 -0.32 0.00
ST_LAW_115_BK8_LBMP 345038	44.64 -0.45 0.00	41.44 -0.38 0.00	34.71 -0.75 0.00	32.64 -0.63 0.00	32.10 -0.62 0.00	36.03 -0.33 0.00	39.45 -0.36 0.00	41.15 -0.37 0.00	42.86 -0.39 0.00	42.93 -0.39 0.00	42.47 -0.39 0.00	47.20 -0.57 0.00	50.69 -0.77 0.00	53.50 -0.87 0.00	57.73 -0.94 0.00	60.25 -1.54 0.00	63.98 -1.77 0.00	73.01 -1.87 0.00	73.57 -1.81 0.00	69.23 -1.70 0.00	61.59 -1.52 0.00	57.34 -0.76 0.00	50.33 -0.51 0.00	45.79 -0.32 0.00
ST_LAW_230_BK5_LBMP 345035	44.60 -0.50 0.00	41.44 -0.38 0.00	34.74 -0.71 0.00	32.64 -0.63 0.00	32.13 -0.59 0.00	36.03 -0.33 0.00	39.45 -0.36 0.00	41.15 -0.37 0.00	42.86 -0.39 0.00	42.93 -0.39 0.00	42.47 -0.39 0.00	47.20 -0.57 0.00	50.74 -0.72 0.00	53.50 -0.87 0.00	57.73 -0.94 0.00	60.31 -1.48 0.00	64.04 -1.71 0.00	73.08 -1.80 0.00	73.65 -1.73 0.00	69.31 -1.63 0.00	61.66 -1.45 0.00	57.34 -0.76 0.00	50.33 -0.51 0.00	45.79 -0.32 0.00
ST_LAW_230_BK6_LBMP 345036	44.60 -0.50 0.00	41.44 -0.38 0.00	34.74 -0.71 0.00	32.64 -0.63 0.00	32.13 -0.59 0.00	36.03 -0.33 0.00	39.45 -0.36 0.00	41.15 -0.37 0.00	42.86 -0.39 0.00	42.93 -0.39 0.00	42.47 -0.39 0.00	47.20 -0.57 0.00	50.74 -0.72 0.00	53.50 -0.87 0.00	57.73 -0.94 0.00	60.31 -1.48 0.00	64.04 -1.71 0.00	73.08 -1.80 0.00	73.65 -1.73 0.00	69.31 -1.63 0.00	61.66 -1.45 0.00	57.34 -0.76 0.00	50.33 -0.51 0.00	45.79 -0.32 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	47.57 2.48 0.00	44.12 2.30 0.00	37.86 2.41 0.00	35.47 2.20 0.00	34.82 2.09 0.00	38.33 1.96 0.00	42.08 2.27 0.00	44.14 2.62 0.00	45.84 2.59 0.00	45.88 2.56 0.00	45.73 2.49 -0.39	51.05 2.87 -0.41	54.99 3.35 -0.18	58.59 3.81 -0.41	63.13 4.05 -0.41	67.31 4.94 -0.58	71.74 5.98 0.00	81.54 6.66 0.00	80.43 5.05 0.00	75.05 4.11 0.00	66.58 3.47 0.00	60.36 2.27 0.00	52.87 2.03 0.00	47.96 1.84 0.00
SWANROAD_115KV_TB1 355699	44.01 -1.08 0.00	41.27 -0.54 0.00	35.24 -0.21 0.00	32.08 -1.20 0.00	31.61 -1.11 0.00	34.51 -1.85 0.00	37.22 -2.59 0.00	38.41 -3.11 0.00	40.65 -2.59 0.00	41.68 -1.65 0.00	41.53 -1.33 0.00	46.24 -1.53 0.00	49.82 -1.65 0.00	52.15 -2.23 0.00	56.15 -2.52 0.00	57.77 -4.02 0.00	62.79 -2.96 0.00	70.61 -4.27 0.00	71.01 -4.37 0.00	68.31 -2.62 0.00	60.71 -2.40 0.00	56.01 -2.09 0.00	49.26 -1.58 0.00	45.01 -1.11 0.00
SYNERGY___BIOGAS 323694	45.95 0.86 0.00	42.74 0.92 0.00	36.41 0.96 0.00	33.21 -0.07 0.00	32.79 0.07 0.00	36.00 -0.36 0.00	38.97 -0.84 0.00	40.48 -1.04 0.00	42.86 -0.39 0.00	43.71 0.39 0.00	43.45 0.60 0.00	48.54 0.76 0.00	52.24 0.77 0.00	54.81 0.44 0.00	59.26 0.59 0.00	61.11 -0.68 0.00	66.34 0.59 0.00	74.80 -0.07 0.00	75.38 0.00 0.00	72.50 1.56 0.00	64.43 1.33 0.00	59.38 1.28 0.00	51.91 1.07 0.00	47.18 1.06 0.00
SYRACUSE___ENERGY_ST1 323597	45.05 -0.05 0.00	41.73 -0.08 0.00	35.52 0.07 0.00	33.14 -0.13 0.00	32.66 -0.07 0.00	36.14 -0.22 0.00	39.57 -0.24 0.00	41.31 -0.21 0.00	43.16 -0.09 0.00	43.37 0.04 0.00	42.90 0.04 0.00	47.87 0.10 0.00	51.57 0.10 0.00	54.32 -0.05 0.00	58.67 0.00 0.00	61.54 -0.25 0.00	65.88 0.13 0.00	75.03 0.15 0.00	75.46 0.08 0.00	71.36 0.43 0.00	63.30 0.19 0.00	58.27 0.17 0.00	51.37 0.05 -0.48	46.02 -0.09 0.00
SYRACUSE___ENERGY_ST2 323598	45.05 -0.05 0.00	41.73 -0.08 0.00	35.52 0.07 0.00	33.14 -0.13 0.00	32.66 -0.07 0.00	36.14 -0.22 0.00	39.57 -0.24 0.00	41.31 -0.21 0.00	43.16 -0.09 0.00	43.37 0.04 0.00	42.90 0.04 0.00	47.87 0.10 0.00	51.57 0.10 0.00	54.32 -0.05 0.00	58.67 0.00 0.00	61.54 -0.25 0.00	65.88 0.13 0.00	75.03 0.15 0.00	75.46 0.08 0.00	71.36 0.43 0.00	63.30 0.19 0.00	58.27 0.17 0.00	51.37 0.05 -0.48	46.02 -0.09 0.00
SYRACUSE___POWER 24017	45.00 -0.09 0.00	41.65 -0.17 0.00	35.49 0.04 0.00	33.14 -0.13 0.00	32.62 -0.10 0.00	36.11 -0.25 0.00	39.53 -0.28 0.00	41.27 -0.25 0.00	43.07 -0.17 0.00	43.28 -0.04 0.00	42.85 0.00 0.00	47.82 0.05 0.00	51.51 0.05 0.00	54.32 -0.05 0.00	58.67 0.00 0.00	61.54 -0.25 0.00	65.88 0.13 0.00	75.03 0.15 0.00	75.38 0.00 0.00	71.29 0.35 0.00	63.30 0.19 0.00	58.21 0.12 0.00	50.94 -0.05 -0.15	45.93 -0.18 0.00
TALLMAN_138KV_BK151 55660	47.80 2.71 0.00	44.37 2.55 0.00	38.08 2.62 0.00	35.64 2.36 0.00	35.01 2.29 0.00	38.51 2.15 0.00	42.32 2.51 0.00	44.43 2.91 0.00	46.14 2.90 0.00	46.27 2.95 0.00	46.13 2.87 -0.41	51.50 3.30 -0.43	55.46 3.81 -0.19	59.10 4.30 -0.43	63.68 4.58 -0.43	67.96 5.56 -0.60	72.39 6.64 0.00	82.29 7.41 0.00	81.11 5.73 0.00	75.62 4.68 0.00	67.08 3.98 0.00	60.65 2.56 0.00	53.18 2.34 0.00	48.24 2.12 0.00
TEALLAVE_115KV_TB7 355573	44.87 -0.23 0.00	41.52 -0.29 0.00	35.38 -0.07 0.00	33.01 -0.27 0.00	32.53 -0.20 0.00	36.00 -0.36 0.00	39.41 -0.40 0.00	41.15 -0.37 0.00	42.94 -0.30 0.00	43.15 -0.17 0.00	42.73 -0.13 0.00	47.68 -0.10 0.00	51.36 -0.10 0.00	54.16 -0.22 0.00	58.49 -0.18 0.00	61.36 -0.43 0.00	65.69 -0.07 0.00	74.73 -0.15 0.00	75.08 -0.30 0.00	71.01 0.07 0.00	63.04 -0.06 0.00	57.98 -0.12 0.00	50.73 -0.25 -0.14	45.75 -0.37 0.00
TELGRAPH_34_KV_EAST 80808	45.09 0.00 0.00	42.03 0.21 0.00	35.88 0.43 0.00	32.68 -0.60 0.00	32.23 -0.49 0.00	35.34 -1.02 0.00	38.18 -1.63 0.00	39.57 -1.95 0.00	41.90 -1.34 0.00	42.85 -0.48 0.00	42.64 -0.21 0.00	47.53 -0.24 0.00	51.26 -0.21 0.00	53.67 -0.71 0.00	57.97 -0.70 0.00	59.69 -2.10 0.00	64.83 -0.92 0.00	73.01 -1.87 0.00	73.50 -1.88 0.00	70.65 -0.28 0.00	62.73 -0.38 0.00	57.86 -0.23 0.00	50.74 -0.10 0.00	46.25 0.14 0.00
TEMPLE___115KV_TB 2 55572	44.87 -0.23 0.00	41.57 -0.25 0.00	35.38 -0.07 0.00	33.04 -0.23 0.00	32.53 -0.20 0.00	36.00 -0.36 0.00	39.41 -0.40 0.00	41.15 -0.37 0.00	42.94 -0.30 0.00	43.15 -0.17 0.00	42.73 -0.13 0.00	47.68 -0.10 0.00	51.36 -0.10 0.00	54.21 -0.16 0.00	58.49 -0.18 0.00	61.36 -0.43 0.00	65.69 -0.07 0.00	74.73 -0.15 0.00	75.16 -0.23 0.00	71.01 0.07 0.00	63.04 -0.06 0.00	57.98 -0.12 0.00	50.70 -0.25 -0.11	45.79 -0.32 0.00
TIANA___69_KV_BK 1 55817	49.11 4.01 0.00	46.25 4.43 0.00	39.39 3.94 0.00	36.50 3.23 0.00	35.67 2.94 0.00	39.42 3.05 0.00	43.47 3.66 0.00	46.21 4.69 0.00	47.92 4.67 0.00	48.43 4.94 -0.17	47.82 4.41 -0.55	52.93 5.06 -0.10	58.45 5.87 -1.12	63.48 6.85 -2.25	68.15 7.33 -2.14	73.06 8.47 -2.81	117.26 9.86 -41.64	176.43 11.23 -90.32	118.45 9.57 -33.50	79.70 7.94 -0.82	71.86 6.37 -2.38	64.46 4.76 -1.60	54.73 3.81 -0.07	48.62 2.67 0.17

TILDEN___115KV_TB1 80814	45.00 -0.09 0.00	41.65 -0.17 0.00	35.49 0.04 0.00	33.14 -0.13 0.00	32.62 -0.10 0.00	36.11 -0.25 0.00	39.53 -0.28 0.00	41.27 -0.25 0.00	43.07 -0.17 0.00	43.28 -0.04 0.00	42.85 0.00 0.00	47.82 0.05 0.00	51.51 0.05 0.00	54.32 -0.05 0.00	58.67 0.00 0.00	61.54 -0.25 0.00	65.88 0.13 0.00	75.03 0.15 0.00	75.38 0.00 0.00	71.29 0.35 0.00	63.30 0.19 0.00	58.21 0.12 0.00	50.94 -0.05 -0.15	45.93 -0.18 0.00
TRIGEN___CC 323695	48.47 3.38 0.00	45.41 3.60 0.00	38.93 3.47 0.00	36.24 2.96 0.00	35.47 2.75 0.00	39.09 2.73 0.00	43.07 3.26 0.00	45.51 3.99 0.00	47.23 3.98 0.00	47.48 3.99 -0.17	47.20 3.73 -0.62	52.42 4.16 -0.49	63.71 4.79 -7.46	74.26 5.38 -14.50	73.51 5.63 -9.21	85.64 6.80 -17.05	96.88 7.89 -23.23	115.89 8.91 -32.11	87.40 7.31 -4.71	83.37 6.10 -6.33	87.17 5.24 -18.83	76.99 3.72 -15.17	59.63 3.51 -5.28	48.58 2.44 -0.02
TRINITY___115KV__4 BK 55933	45.95 0.86 0.00	42.65 0.84 0.00	36.55 1.10 0.00	34.51 1.23 0.00	33.83 1.11 0.00	37.16 0.80 0.00	40.72 0.92 0.00	42.56 1.04 0.00	44.07 0.82 0.00	43.97 0.65 0.00	43.21 0.64 0.29	48.23 0.76 0.30	52.26 0.93 0.13	55.28 1.20 0.30	59.72 1.35 0.30	63.28 1.92 0.42	68.05 2.30 0.00	77.57 2.70 0.00	77.27 1.88 0.00	72.36 1.42 0.00	64.56 1.45 0.00	58.74 0.64 0.00	51.30 0.46 0.00	46.53 0.42 0.00
UNION___PROCESSING_DRP 323587	45.27 0.18 0.00	41.98 0.17 0.00	35.74 0.28 0.00	32.87 -0.40 0.00	32.43 -0.29 0.00	35.78 -0.58 0.00	38.89 -0.92 0.00	40.48 -1.04 0.00	42.64 -0.61 0.00	43.32 0.00 0.00	43.03 0.17 0.00	48.06 0.29 0.00	51.77 0.31 0.00	54.43 0.05 0.00	58.79 0.12 0.00	61.11 -0.68 0.00	65.88 0.13 0.00	74.50 -0.37 0.00	74.93 -0.45 0.00	71.50 0.57 0.00	63.42 0.32 0.00	58.45 0.35 0.00	51.15 0.31 0.00	46.39 0.28 0.00
UPPER HUDSON___HYD 24058	47.17 2.08 0.00	43.82 2.01 0.00	37.36 1.91 0.00	35.07 1.80 0.00	34.49 1.77 0.00	38.14 1.78 0.00	41.72 1.91 0.00	43.60 2.08 0.00	45.10 1.86 0.00	44.97 1.65 0.00	43.82 1.28 0.32	48.78 1.34 0.33	52.86 1.54 0.14	55.84 1.79 0.33	60.62 2.29 0.33	64.54 3.21 0.46	69.23 3.48 0.00	79.37 4.49 0.00	79.75 4.37 0.00	74.98 4.04 0.00	67.21 4.10 0.00	61.12 3.02 0.00	53.03 2.18 0.00	47.91 1.80 0.00
UPPER RAQUET___HYD 24056	45.41 0.32 0.00	42.15 0.33 0.00	35.17 -0.28 0.00	33.04 -0.23 0.00	32.56 -0.16 0.00	36.69 0.33 0.00	40.21 0.40 0.00	41.89 0.37 0.00	43.68 0.43 0.00	43.67 0.34 0.00	43.20 0.34 0.00	47.96 0.19 0.00	51.31 -0.15 0.00	54.21 -0.16 0.00	58.49 -0.18 0.00	60.87 -0.93 0.00	64.37 -1.38 0.00	73.08 -1.80 0.00	74.03 -1.35 0.00	69.73 -1.21 0.00	62.22 -0.88 0.00	58.39 0.29 0.00	51.45 0.61 0.00	46.85 0.74 0.00
VALLEY44_115KV_TB2 355964	44.51 -0.59 0.00	41.19 -0.63 0.00	35.20 -0.25 0.00	32.24 -1.03 0.00	31.84 -0.88 0.00	35.05 -1.31 0.00	38.14 -1.67 0.00	39.69 -1.83 0.00	41.99 -1.25 0.00	43.11 -0.22 0.00	42.85 0.00 0.00	47.77 0.00 0.00	51.57 0.10 0.00	54.11 -0.27 0.00	58.20 -0.47 0.00	59.44 -2.35 0.00	64.83 -0.92 0.00	73.08 -1.80 0.00	73.35 -2.04 0.00	70.51 -0.43 0.00	62.67 -0.44 0.00	58.10 0.00 0.00	50.69 -0.15 0.00	45.79 -0.32 0.00
VALLEY___115KV_TB 1-4 80826	45.95 0.86 0.00	42.61 0.79 0.00	36.20 0.74 0.00	33.97 0.70 0.00	33.44 0.72 0.00	37.13 0.76 0.00	40.68 0.88 0.00	42.43 0.91 0.00	44.20 0.95 0.00	44.23 0.91 0.00	43.63 0.77 0.00	48.58 0.81 0.00	52.29 0.82 0.00	55.36 0.98 0.00	59.67 1.00 0.00	62.84 1.05 0.00	66.87 1.12 0.00	76.08 1.20 0.00	76.59 1.21 0.00	72.07 1.13 0.00	64.31 1.20 0.00	59.20 1.10 0.00	51.76 0.92 0.00	46.94 0.83 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	47.26 2.16 0.00	43.78 1.97 0.00	37.44 1.99 0.00	35.17 1.90 0.00	34.62 1.90 0.00	38.25 1.89 0.00	41.88 2.07 0.00	43.60 2.08 0.00	45.45 2.21 0.00	45.58 2.25 0.00	44.99 2.06 -0.08	50.33 2.48 -0.07	54.22 2.73 -0.03	57.55 3.10 -0.07	62.09 3.34 -0.07	65.54 3.65 -0.10	69.96 4.21 0.00	79.52 4.64 0.00	79.53 4.15 0.00	74.84 3.90 0.00	66.70 3.60 0.00	61.00 2.90 0.00	53.18 2.34 0.00	48.10 1.98 0.00
VISCHER___FERRY HYD 24020	46.90 1.81 0.00	43.53 1.72 0.00	37.29 1.84 0.00	35.04 1.76 0.00	34.42 1.70 0.00	37.89 1.53 0.00	41.52 1.71 0.00	43.30 1.78 0.00	44.89 1.64 0.00	44.75 1.43 0.00	43.74 1.33 0.44	48.84 1.53 0.46	53.01 1.75 0.20	55.99 2.07 0.46	60.56 2.35 0.46	64.48 3.33 0.65	69.30 3.55 0.00	79.07 4.19 0.00	78.85 3.47 0.00	73.92 2.98 0.00	66.01 2.90 0.00	60.07 1.98 0.00	52.36 1.52 0.00	47.45 1.34 0.00
V_A_10_SYNC_DSASP 323832	44.64 -0.45 0.00	41.48 -0.33 0.00	35.38 -0.07 0.00	32.38 -0.90 0.00	31.90 -0.82 0.00	35.20 -1.16 0.00	38.06 -1.75 0.00	39.36 -2.16 0.00	41.60 -1.64 0.00	42.46 -0.87 0.00	42.25 -0.60 0.00	47.10 -0.67 0.00	50.69 -0.77 0.00	53.18 -1.20 0.00	57.32 -1.35 0.00	59.20 -2.60 0.00	64.11 -1.64 0.00	72.33 -2.55 0.00	72.67 -2.71 0.00	69.66 -1.28 0.00	61.85 -1.26 0.00	57.05 -1.05 0.00	50.13 -0.71 0.00	45.61 -0.51 0.00
V_CMM_10_SYNC_DSASP 323787	44.87 -0.22 0.00	41.69 -0.13 0.00	34.92 -0.53 0.00	32.81 -0.47 0.00	32.30 -0.43 0.00	36.22 -0.14 0.00	39.65 -0.16 0.00	41.40 -0.12 0.00	43.12 -0.13 0.00	43.15 -0.17 0.00	42.73 -0.13 0.00	47.49 -0.28 0.00	51.00 -0.46 0.00	53.83 -0.54 0.00	58.03 -0.64 0.00	60.56 -1.24 0.00	64.31 -1.45 0.00	73.45 -1.42 0.00	74.03 -1.35 0.00	69.66 -1.27 0.00	61.91 -1.20 0.00	57.69 -0.40 0.00	50.59 -0.25 0.00	46.07 -0.05 0.00
V_CMP_10_SYNC_DSASP 323788	44.42 -0.68 0.00	41.32 -0.50 0.00	34.57 -0.88 0.00	32.54 -0.73 0.00	32.10 -0.62 0.00	36.07 -0.29 0.00	39.53 -0.28 0.00	41.27 -0.25 0.00	43.03 -0.22 0.00	43.11 -0.22 0.00	42.68 -0.17 0.00	47.01 -0.77 0.00	50.38 -1.08 0.00	52.53 -1.85 0.00	56.44 -2.23 0.00	58.95 -2.84 0.00	62.73 -3.02 0.00	71.74 -3.14 0.00	72.52 -2.86 0.00	68.17 -2.77 0.00	60.52 -2.59 0.00	56.41 -1.69 0.00	49.93 -0.91 0.00	46.07 -0.05 0.00
V_D_10_SYNC_DSASP 323841	45.18 0.09 0.00	41.98 0.17 0.00	35.10 -0.35 0.00	32.97 -0.30 0.00	32.46 -0.26 0.00	36.51 0.15 0.00	39.97 0.16 0.00	41.69 0.17 0.00	43.42 0.17 0.00	43.45 0.13 0.00	43.03 0.17 0.00	47.77 0.00 0.00	51.21 -0.26 0.00	54.05 -0.32 0.00	58.38 -0.29 0.00	60.87 -0.93 0.00	64.57 -1.18 0.00	73.68 -1.20 0.00	74.33 -1.06 0.00	69.94 -0.99 0.00	62.29 -0.82 0.00	58.04 -0.06 0.00	50.94 0.10 0.00	46.44 0.33 0.00
V_E_10_SYNC_DSASP 323830	48.65 3.56 0.00	44.91 3.09 0.00	38.18 2.73 0.00	35.64 2.36 0.00	35.21 2.49 0.00	39.20 2.84 0.00	43.03 3.22 0.00	44.93 3.41 0.00	46.88 3.63 0.00	46.71 3.38 0.00	45.85 2.92 -0.08	51.12 3.34 0.00	54.96 3.50 0.00	58.29 3.92 0.00	62.77 4.11 0.00	66.05 4.26 0.00	70.55 4.80 0.00	80.50 5.62 0.00	82.24 6.86 0.00	78.18 7.24 0.00	69.93 6.82 0.00	64.08 5.99 0.00	55.47 4.63 0.00	49.94 3.83 0.00



V_F_30_NSYNC___DSASP 323816	47.44 2.34 0.00	44.03 2.21 0.00	37.61 2.16 0.00	35.30 2.03 0.00	34.68 1.96 0.00	38.32 1.96 0.00	41.92 2.11 0.00	43.72 2.20 0.00	45.32 2.08 0.00	45.14 1.82 0.00	44.19 1.67 0.34	49.33 1.91 0.36	53.47 2.16 0.15	56.48 2.45 0.35	61.19 2.87 0.35	65.13 3.83 0.50	69.90 4.14 0.00	79.90 5.02 0.00	79.83 4.45 0.00	75.05 4.11 0.00	67.09 3.98 0.00	61.06 2.96 0.00	53.13 2.29 0.00	48.14 2.03 0.00
V_F_30_SYNC_DSASP 323786	46.17 1.08 0.00	42.82 1.00 0.00	36.69 1.24 0.00	34.61 1.33 0.00	33.97 1.24 0.00	37.31 0.95 0.00	40.88 1.07 0.00	42.72 1.20 0.00	44.28 1.04 0.00	44.19 0.87 0.00	43.42 0.86 0.29	48.47 1.00 0.31	52.51 1.18 0.13	55.60 1.52 0.30	60.06 1.70 0.31	63.65 2.29 0.43	68.45 2.70 0.00	78.02 3.14 0.00	77.72 2.34 0.00	72.78 1.84 0.00	64.87 1.77 0.00	59.08 0.99 0.00	51.55 0.71 0.00	46.76 0.65 0.00
V_XM_10_SYNC_DSASP 323789	44.42 -0.68 0.00	41.32 -0.50 0.00	34.57 -0.88 0.00	32.54 -0.73 0.00	32.10 -0.62 0.00	36.07 -0.29 0.00	39.53 -0.28 0.00	41.27 -0.25 0.00	43.03 -0.22 0.00	43.11 -0.22 0.00	42.68 -0.17 0.00	47.01 -0.77 0.00	50.38 -1.08 0.00	52.53 -1.85 0.00	56.44 -2.23 0.00	58.95 -2.84 0.00	62.73 -3.02 0.00	71.74 -3.14 0.00	72.52 -2.86 0.00	68.17 -2.77 0.00	60.52 -2.59 0.00	56.41 -1.69 0.00	49.93 -0.91 0.00	46.07 -0.05 0.00
W.BABYLN_69_KV_BK1 56697	49.38 4.28 0.00	46.50 4.68 0.00	39.67 4.22 0.00	36.80 3.53 0.00	35.99 3.27 0.00	39.71 3.35 0.00	43.79 3.98 0.00	46.42 4.90 0.00	48.05 4.80 0.00	48.43 4.94 -0.17	47.76 4.33 -0.58	53.00 4.87 -0.36	59.46 5.71 -2.29	65.34 6.47 -4.49	68.68 6.98 -3.03	75.48 8.22 -5.47	88.01 9.53 -12.73	99.69 10.71 -14.11	85.86 9.12 -1.36	80.49 7.73 -1.82	75.02 6.50 -5.41	67.17 4.82 -4.25	56.15 4.12 -1.19	48.93 2.91 0.09
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	47.89 2.80 0.00	44.49 2.68 0.00	38.18 2.73 0.00	35.74 2.46 0.00	35.08 2.36 0.00	38.62 2.25 0.00	42.44 2.63 0.00	44.55 3.03 0.00	46.23 2.98 0.00	46.36 3.03 0.00	46.22 2.96 -0.41	51.60 3.39 -0.44	55.57 3.91 -0.19	59.27 4.46 -0.43	63.80 4.69 -0.44	68.09 5.68 -0.61	72.59 6.84 0.00	82.44 7.56 0.00	81.34 5.96 0.00	75.83 4.89 0.00	67.21 4.10 0.00	60.83 2.73 0.00	53.28 2.44 0.00	48.37 2.26 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	48.47 3.38 0.00	44.99 3.18 0.00	38.61 3.16 0.00	36.07 2.80 0.00	35.40 2.68 0.00	38.98 2.62 0.00	42.91 3.11 0.00	45.17 3.65 0.00	47.17 3.72 -0.21	50.24 3.81 -3.10	50.40 3.64 -3.91	52.97 4.20 -0.99	56.35 4.68 -0.20	60.05 5.22 -0.45	64.64 5.51 -0.46	69.31 6.80 -0.72	80.91 8.02 -7.13	83.92 8.91 -0.13	82.54 7.16 0.00	76.68 5.75 0.00	67.84 4.73 0.00	61.29 3.20 0.00	53.84 3.00 0.00	48.97 2.86 0.00
W50THST__13_KV_LOAD 356117	48.74 3.65 0.00	45.20 3.39 0.00	38.82 3.37 0.00	36.27 2.99 0.00	35.57 2.85 0.00	39.20 2.84 0.00	43.19 3.38 0.00	45.46 3.94 0.00	47.56 4.11 -0.21	50.59 4.16 -3.10	50.79 4.03 -3.91	53.40 4.63 -0.99	56.81 5.15 -0.20	60.54 5.71 -0.45	65.17 6.04 -0.46	69.92 7.41 -0.72	81.50 8.61 -7.13	84.67 9.66 -0.13	83.15 7.76 0.00	77.18 6.24 0.00	68.28 5.17 0.00	61.64 3.54 0.00	54.20 3.36 0.00	49.25 3.14 0.00
WADING RIVER_IC_1 23522	47.98 2.89 0.00	45.59 3.77 -0.01	38.86 3.40 0.00	36.00 2.73 0.00	35.21 2.49 0.00	38.87 2.51 0.00	42.87 3.07 0.00	45.60 4.07 -0.01	46.97 3.72 0.00	47.56 4.07 -0.17	46.87 3.47 -0.55	51.93 4.06 -0.10	57.21 4.63 -1.11	62.11 5.49 -2.24	66.66 5.87 -2.12	72.25 7.66 -2.80	114.88 8.42 -40.71	173.52 9.59 -89.05	115.81 7.84 -32.59	78.14 6.39 -0.82	70.65 5.18 -2.37	63.29 3.60 -1.59	53.76 2.85 -0.08	47.89 1.94 0.16
WADING RIVER_IC_2 23547	47.98 2.89 0.00	45.59 3.77 -0.01	38.86 3.40 0.00	36.00 2.73 0.00	35.21 2.49 0.00	38.87 2.51 0.00	42.87 3.07 0.00	45.60 4.07 -0.01	46.97 3.72 0.00	47.56 4.07 -0.17	46.87 3.47 -0.55	51.93 4.06 -0.10	57.21 4.63 -1.11	62.11 5.49 -2.24	66.66 5.87 -2.12	72.25 7.66 -2.80	114.88 8.42 -40.71	173.52 9.59 -89.05	115.81 7.84 -32.59	78.14 6.39 -0.82	70.65 5.18 -2.37	63.29 3.60 -1.59	53.76 2.85 -0.08	47.89 1.94 0.16
WADING RIVER_IC_3 23601	47.98 2.89 0.00	45.59 3.77 -0.01	38.86 3.40 0.00	36.00 2.73 0.00	35.21 2.49 0.00	38.87 2.51 0.00	42.87 3.07 0.00	45.60 4.07 -0.01	46.97 3.72 0.00	47.56 4.07 -0.17	46.87 3.47 -0.55	51.93 4.06 -0.10	57.21 4.63 -1.11	62.11 5.49 -2.24	66.66 5.87 -2.12	72.25 7.66 -2.80	114.88 8.42 -40.71	173.52 9.59 -89.05	115.81 7.84 -32.59	78.14 6.39 -0.82	70.65 5.18 -2.37	63.29 3.60 -1.59	53.76 2.85 -0.08	47.89 1.94 0.16
WALDENNY_12_KV_BK2 80841	45.14 0.05 0.00	41.94 0.13 0.00	35.84 0.39 0.00	32.68 -0.60 0.00	32.20 -0.52 0.00	35.42 -0.95 0.00	38.30 -1.51 0.00	39.69 -1.83 0.00	42.03 -1.21 0.00	43.06 -0.26 0.00	42.94 0.09 0.00	47.82 0.05 0.00	51.67 0.21 0.00	54.05 -0.33 0.00	58.26 -0.41 0.00	59.88 -1.92 0.00	65.09 -0.66 0.00	73.23 -1.65 0.00	73.65 -1.73 0.00	70.79 -0.14 0.00	62.86 -0.25 0.00	57.98 -0.12 0.00	50.84 0.00 0.00	46.21 0.09 0.00
WALDEN__HYDRO 24148	47.80 2.71 0.00	44.33 2.51 0.00	38.00 2.55 0.00	35.60 2.33 0.00	34.95 2.23 0.00	38.47 2.11 0.00	42.28 2.47 0.00	44.34 2.82 0.00	46.01 2.77 0.00	46.01 2.69 -0.35	45.82 2.61 -0.38	51.16 3.01 -0.16	55.13 3.50 0.33	58.77 4.02 0.33	63.33 4.28 0.33	67.51 5.19 0.46	71.93 6.18 0.00	81.77 6.89 0.00	80.81 5.43 0.00	75.41 4.47 0.00	66.89 3.79 0.00	60.65 2.56 0.00	53.13 2.29 0.00	48.19 2.08 0.00
WARRENSBURG____ 23737	47.17 2.07 0.00	43.82 2.01 0.00	37.37 1.91 0.00	35.07 1.80 0.00	34.49 1.77 0.00	38.14 1.78 0.00	41.72 1.91 0.00	43.60 2.08 0.00	45.15 1.90 0.00	44.97 1.65 0.00	43.82 1.29 0.32	48.78 1.34 0.33	52.86 1.54 0.14	55.84 1.79 0.33	60.63 2.29 0.33	64.23 2.90 0.46	69.30 3.55 0.00	79.37 4.49 0.00	79.83 4.45 0.00	74.98 4.04 0.00	67.21 4.10 0.00	61.12 3.02 0.00	53.03 2.19 0.00	47.91 1.80 0.00
WATERSIDE____6 8 9 23538	48.70 3.61 0.00	45.16 3.35 0.00	38.78 3.33 0.00	36.20 2.93 0.00	35.54 2.81 0.00	39.13 2.76 0.00	43.03 3.22 0.00	45.34 3.82 0.00	47.04 3.46 -0.34	51.85 3.47 -5.06	52.33 3.39 -6.10	53.11 4.01 -1.32	56.45 4.79 -0.20	59.94 5.11 -0.45	64.06 4.93 -0.46	68.55 5.99 -0.77	84.04 7.10 -11.18	83.10 8.01 -0.21	81.64 6.26 0.00	75.90 4.97 0.00	67.21 4.10 0.00	60.71 2.61 0.00	54.04 3.20 0.00	49.16 3.04 0.00
WATKINRD_115KV_LN8_ILLION 55919	45.72 0.63 0.00	42.40 0.59 0.00	36.05 0.60 0.00	33.84 0.57 0.00	33.31 0.59 0.00	36.94 0.58 0.00	40.45 0.64 0.00	42.18 0.66 0.00	43.94 0.69 0.00	43.97 0.65 0.00	43.41 0.56 0.00	48.39 0.62 0.00	52.13 0.67 0.00	55.14 0.76 0.00	59.49 0.82 0.00	62.66 0.87 0.00	66.74 0.99 0.00	75.93 1.05 0.00	76.44 1.06 0.00	71.93 0.99 0.00	64.12 1.01 0.00	58.91 0.81 0.00	51.55 0.71 0.00	46.71 0.60 0.00

WDELAWARE___HYD 323627	47.48 2.39 0.00	44.07 2.26 0.00	37.72 2.27 0.00	35.37 2.10 0.00	34.72 2.00 0.00	38.25 1.89 0.00	42.04 2.23 0.00	44.34 2.82 0.00	46.05 2.81 0.00	45.97 2.64 0.00	45.70 2.57 -0.28	50.67 2.58 -0.32	54.69 3.09 -0.14	58.28 3.59 -0.31	62.86 3.87 -0.32	67.43 5.19 -0.44	71.41 5.66 0.00	81.24 6.36 0.00	80.28 4.90 0.00	74.98 4.04 0.00	66.58 3.47 0.00	60.42 2.33 0.00	52.82 1.98 0.00	47.91 1.80 0.00
WEST BABYLON___IC 23714	49.38 4.28 0.00	46.50 4.68 0.00	39.67 4.22 0.00	36.80 3.53 0.00	35.99 3.27 0.00	39.71 3.35 0.00	43.79 3.98 0.00	46.42 4.90 0.00	48.05 4.80 0.00	48.43 4.94 -0.17	47.76 4.33 -0.58	53.00 4.87 -0.36	59.46 5.71 -2.29	65.34 6.47 -4.49	68.68 6.98 -3.03	75.48 8.22 -5.47	88.01 9.53 -12.73	99.69 10.71 -14.11	85.86 9.12 -1.36	80.49 7.73 -1.82	75.02 6.50 -5.41	67.17 4.82 -4.25	56.15 4.12 -1.19	48.93 2.91 0.09
WEST CANADA___HYD 24049	45.36 0.27 0.00	42.07 0.25 0.00	35.77 0.32 0.00	33.61 0.33 0.00	33.05 0.33 0.00	36.62 0.26 0.00	40.09 0.28 0.00	41.81 0.29 0.00	43.55 0.30 0.00	43.59 0.26 0.00	43.11 0.26 0.00	48.06 0.29 0.00	51.83 0.36 0.00	54.76 0.38 0.00	59.08 0.41 0.00	62.47 0.68 0.00	66.48 0.72 0.00	75.63 0.75 0.00	75.98 0.60 0.00	71.50 0.56 0.00	63.67 0.57 0.00	58.45 0.35 0.00	51.10 0.26 0.00	46.30 0.19 0.00
WESTERN_NY_WIND 24143	45.90 0.81 0.00	42.69 0.88 0.00	36.41 0.96 0.00	33.17 -0.10 0.00	32.75 0.03 0.00	35.96 -0.40 0.00	38.89 -0.92 0.00	40.40 -1.12 0.00	42.77 -0.48 0.00	43.63 0.30 0.00	43.41 0.56 0.00	48.44 0.67 0.00	52.18 0.72 0.00	54.76 0.38 0.00	59.14 0.47 0.00	60.99 -0.80 0.00	66.21 0.46 0.00	74.65 -0.22 0.00	75.31 -0.08 0.00	72.36 1.42 0.00	64.31 1.20 0.00	59.26 1.16 0.00	51.81 0.97 0.00	47.13 1.01 0.00
WESTOVER___LESR 323668	45.68 0.59 0.00	42.28 0.46 0.00	36.09 0.64 0.00	33.64 0.37 0.00	33.15 0.43 0.00	36.62 0.25 0.00	40.05 0.24 0.00	41.73 0.21 0.00	43.63 0.39 0.00	44.02 0.69 0.00	43.61 0.69 -0.07	48.70 0.86 -0.07	52.42 0.93 -0.03	55.31 0.87 -0.06	59.67 0.94 -0.07	62.50 0.62 -0.09	67.07 1.32 0.00	76.23 1.35 0.00	76.36 0.98 0.00	72.36 1.42 0.00	64.31 1.20 0.00	59.08 0.99 0.00	51.60 0.76 0.00	46.62 0.51 0.00
WETHRSFD_WT_PWR 323626	45.05 -0.05 0.00	41.61 -0.21 0.00	35.56 0.11 0.00	32.64 -0.63 0.00	32.10 -0.62 0.00	35.38 -0.98 0.00	38.38 -1.43 0.00	39.74 -1.78 0.00	42.12 -1.12 0.00	42.68 -0.65 0.00	42.47 -0.39 0.00	47.29 -0.48 0.00	51.00 -0.46 0.00	53.18 -1.20 0.00	57.14 -1.53 0.00	59.63 -2.16 0.00	64.17 -1.58 0.00	72.48 -2.40 0.00	73.35 -2.03 0.00	70.72 -0.21 0.00	63.04 -0.06 0.00	58.04 -0.06 0.00	51.20 0.36 0.00	46.21 0.09 0.00
WHAVSTOR_138KV_BK127 55557	47.75 2.66 0.00	44.33 2.51 0.00	38.08 2.62 0.00	35.64 2.36 0.00	34.98 2.26 0.00	38.47 2.11 0.00	42.28 2.47 0.00	44.39 2.86 0.00	46.06 2.81 0.00	46.23 2.90 0.00	46.05 2.79 -0.41	51.41 3.20 -0.44	55.36 3.71 -0.19	59.00 4.19 -0.43	63.51 4.40 -0.44	67.84 5.44 -0.61	72.26 6.51 0.00	82.14 7.26 0.00	81.04 5.65 0.00	75.48 4.54 0.00	66.96 3.85 0.00	60.54 2.44 0.00	53.08 2.24 0.00	48.19 2.08 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	47.75 2.66 0.00	44.33 2.51 0.00	38.08 2.62 0.00	35.64 2.36 0.00	34.98 2.26 0.00	38.47 2.11 0.00	42.28 2.47 0.00	44.39 2.86 0.00	46.06 2.81 0.00	46.23 2.90 0.00	46.05 2.79 -0.41	51.41 3.20 -0.44	55.36 3.71 -0.19	59.00 4.19 -0.43	63.51 4.40 -0.44	67.84 5.44 -0.61	72.26 6.51 0.00	82.14 7.26 0.00	81.04 5.65 0.00	75.48 4.54 0.00	66.96 3.85 0.00	60.54 2.44 0.00	53.08 2.24 0.00	48.19 2.08 0.00
WHITEHAL_115KV_TB1 80871	47.62 2.53 0.00	44.20 2.38 0.00	37.51 2.06 0.00	35.17 1.90 0.00	34.62 1.90 0.00	38.43 2.07 0.00	42.00 2.19 0.00	43.97 2.45 0.00	45.45 2.21 0.00	45.10 1.78 0.00	43.95 1.41 0.32	48.92 1.48 0.33	53.07 1.75 0.14	56.22 2.18 0.33	61.27 2.93 0.33	64.97 3.65 0.46	70.16 4.41 0.00	80.72 5.84 0.00	81.26 5.88 0.00	76.47 5.53 0.00	68.72 5.62 0.00	62.34 4.24 0.00	53.79 2.95 0.00	48.42 2.31 0.00
WHITEPLN_13_KV_LOAD 356215	48.65 3.56 0.00	45.12 3.30 0.00	38.75 3.30 0.00	36.17 2.89 0.00	35.50 2.78 0.00	39.09 2.73 0.00	43.03 3.22 0.00	45.30 3.78 0.00	47.10 3.85 -0.01	47.42 3.94 -0.15	47.31 3.86 -0.60	52.75 4.49 -0.49	56.81 5.15 -0.20	60.54 5.71 -0.45	65.17 6.04 -0.46	69.67 7.23 -0.65	74.64 8.55 -0.34	84.47 9.58 -0.01	83.45 8.07 0.00	77.53 6.60 0.00	68.72 5.62 0.00	61.87 3.78 0.00	54.20 3.36 0.00	49.20 3.09 0.00
WM_FLOYD_69_KV_BK2 356380	48.79 3.70 0.00	46.00 4.18 0.00	39.21 3.76 0.00	36.34 3.06 0.00	35.50 2.78 0.00	39.20 2.84 0.00	43.23 3.42 0.00	45.92 4.40 0.00	47.53 4.28 0.00	47.95 4.46 -0.17	47.25 3.86 -0.54	52.14 4.30 -0.07	57.59 4.99 -1.13	62.59 5.93 -2.29	67.24 6.34 -2.24	72.18 7.54 -2.85	120.92 8.94 -46.23	181.75 10.18 -96.69	121.96 8.59 -37.98	78.87 7.09 -0.84	71.27 5.74 -2.42	63.83 4.12 -1.61	54.29 3.41 -0.05	48.24 2.31 0.18
WOODARD___115KV_TB2 355635	44.78 -0.32 0.00	41.48 -0.33 0.00	35.31 -0.14 0.00	32.97 -0.30 0.00	32.46 -0.26 0.00	35.96 -0.40 0.00	39.37 -0.44 0.00	41.06 -0.46 0.00	42.90 -0.35 0.00	43.06 -0.26 0.00	42.64 -0.21 0.00	47.58 -0.19 0.00	51.26 -0.21 0.00	54.05 -0.33 0.00	58.38 -0.29 0.00	61.23 -0.56 0.00	65.55 -0.20 0.00	74.58 -0.30 0.00	75.01 -0.38 0.00	70.87 -0.07 0.00	62.92 -0.19 0.00	57.86 -0.23 0.00	50.88 -0.31 -0.34	45.70 -0.42 0.00
WOODMERE_69_KV_BK1 55827	49.29 4.19 0.00	46.12 4.31 0.00	39.49 4.04 0.00	36.70 3.43 0.00	35.90 3.17 0.00	39.60 3.24 0.00	43.63 3.82 0.00	46.13 4.61 0.00	47.88 4.63 0.00	48.26 4.77 -0.17	48.06 4.59 -0.62	53.43 5.16 -0.49	74.52 5.92 -17.14	94.18 6.63 -33.17	85.84 7.04 -20.13	107.55 8.22 -37.54	121.75 9.47 -46.53	158.09 10.71 -72.51	95.54 9.20 -10.96	93.56 7.87 -14.75	113.74 6.75 -43.88	98.52 5.05 -35.37	67.35 4.63 -11.88	49.44 3.27 -0.05
YORK___WARBASSE 23770	48.93 3.83 0.00	45.37 3.55 0.00	38.93 3.47 0.00	36.37 3.09 0.00	35.67 2.94 0.00	39.23 2.87 0.00	43.11 3.30 0.00	45.34 3.82 0.00	46.93 3.37 -0.31	51.38 3.42 -4.63	51.86 3.39 -5.62	53.03 4.01 -1.25	56.50 4.84 -0.20	60.05 5.22 -0.45	64.17 5.05 -0.46	68.80 6.24 -0.77	83.22 7.36 -10.11	83.37 8.31 -0.19	81.87 6.48 0.00	76.26 5.32 0.00	67.59 4.48 0.00	60.77 2.67 0.00	54.20 3.36 0.00	49.39 3.27 0.00