

# Time Weighted/Integrated Real Time LBMP- Generator

		--- LBMP \$					--- Marginal Cost of Losses					--- Marginal Cost of Congestion													07/17/2024		
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	24138	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT		
		31.83	38.64	15.87	20.05	21.34	23.11	14.77	15.50	18.66	23.31	34.69	38.50	40.08	41.63	44.20	55.09	58.49	72.22	73.79	49.73	43.36	39.83	36.38	34.78		
		0.28	1.02	1.31	1.65	1.65	1.88	1.23	1.41	1.69	2.16	3.48	3.90	4.10	4.32	4.35	3.15	3.41	5.46	4.50	3.55	2.80	2.68	1.80	2.66		
		-29.17	-27.36	-0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.67	-21.59	-21.01	-9.14	-21.73	-6.33	-8.10	-6.11	-14.12	-3.75		
74TH STREET_GT_1	24260	31.83	38.66	15.90	20.10	21.42	23.20	14.82	15.54	18.70	23.36	34.74	38.50	40.09	41.67	44.25	55.13	58.54	72.35	73.86	49.82	43.43	39.93	36.45	34.90		
		0.30	1.05	1.35	1.70	1.73	1.96	1.28	1.45	1.73	2.21	3.53	3.90	4.11	4.36	4.39	3.20	3.46	5.59	4.58	3.64	2.88	2.77	1.88	2.78		
		-29.15	-27.35	-0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.67	-21.59	-21.00	-9.14	-21.72	-6.33	-8.09	-6.11	-14.11	-3.75		
74TH STREET_GT_2	24261	31.83	38.66	15.90	20.10	21.42	23.20	14.82	15.54	18.70	23.36	34.74	38.50	40.09	41.67	44.25	55.13	58.54	72.35	73.86	49.82	43.43	39.93	36.45	34.90		
		0.30	1.05	1.35	1.70	1.73	1.96	1.28	1.45	1.73	2.21	3.53	3.90	4.11	4.36	4.39	3.20	3.46	5.59	4.58	3.64	2.88	2.77	1.88	2.78		
		-29.15	-27.35	-0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.67	-21.59	-21.00	-9.14	-21.72	-6.33	-8.09	-6.11	-14.11	-3.75		
ADK HUDSON___FALLS	24011	7.03	15.87	15.70	19.66	21.04	22.69	14.55	15.19	18.23	22.54	33.11	36.82	38.64	40.07	41.09	34.29	40.20	63.79	54.31	42.88	35.00	33.52	22.43	31.97		
		0.14	0.63	0.93	1.26	1.36	1.46	1.01	1.09	1.26	1.39	1.90	2.20	2.66	2.77	2.57	1.84	2.07	4.09	3.79	3.02	2.54	2.48	1.63	2.10		
		-4.50	-4.98	-0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.33	-2.09	-4.06	-2.08	-2.96	0.00	0.00	0.00	-0.34	-1.49		
ADK RESOURCE___RCVRY	23798	7.00	15.87	15.76	19.76	21.19	22.84	14.66	15.32	18.39	22.67	33.25	36.98	38.85	40.37	41.40	34.48	40.43	64.39	54.92	43.31	35.30	33.80	22.61	32.23		
		0.13	0.64	0.99	1.37	1.50	1.60	1.12	1.23	1.42	1.51	2.04	2.38	2.87	3.06	2.87	2.04	2.31	4.70	4.41	3.46	2.84	2.76	1.81	2.36		
		-4.49	-4.97	-0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.33	-2.09	-4.05	-2.07	-2.95	0.00	0.00	0.00	-0.33	-1.49		
ADK S GLENS___FALLS	24028	7.03	15.87	15.70	19.66	21.04	22.69	14.55	15.19	18.23	22.54	33.11	36.82	38.64	40.07	41.09	34.29	40.20	63.79	54.31	42.88	35.00	33.52	22.43	31.97		
		0.14	0.63	0.93	1.26	1.36	1.46	1.01	1.09	1.26	1.39	1.90	2.20	2.66	2.77	2.57	1.84	2.07	4.09	3.79	3.02	2.54	2.48	1.63	2.10		
		-4.50	-4.98	-0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.33	-2.09	-4.06	-2.08	-2.96	0.00	0.00	0.00	-0.34	-1.49		
ADK_NYS___DAM	23527	8.13	16.86	15.65	19.59	20.94	22.55	14.46	15.07	18.09	22.45	33.15	36.73	38.39	39.90	41.00	34.95	41.16	63.50	54.00	42.15	34.39	33.05	22.30	31.76		
		0.19	0.68	0.91	1.20	1.26	1.32	0.92	0.98	1.12	1.30	1.95	2.12	2.41	2.59	2.37	1.71	1.82	3.26	2.72	2.30	1.93	2.01	1.40	1.95		
		-5.56	-5.92	-0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.44	-2.90	-5.26	-2.62	-3.72	0.00	0.00	0.00	-0.43	-1.44		
AIR_PRODUCTS___DRP	24190	7.26	15.81	15.17	18.95	20.25	21.81	13.97	14.54	17.45	21.71	32.15	35.46	37.01	38.37	39.51	33.36	39.06	60.86	51.51	40.46	33.08	31.76	21.42	30.70		
		0.09	0.33	0.43	0.56	0.57	0.58	0.43	0.44	0.48	0.56	0.94	0.85	1.03	1.07	0.97	0.76	0.62	1.01	0.78	0.61	0.62	0.72	0.60	0.88		
		-4.79	-5.22	-0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.36	-2.25	-4.36	-2.23	-3.18	0.00	0.00	0.00	-0.35	-1.44		
AKWESSNE_115KV_BK	355683	-1.28	5.84	9.15	14.94	19.21	20.75	13.13	13.63	16.39	20.45	30.05	33.32	21.19	12.43	36.76	52.60	33.10	56.08	46.44	39.03	31.77	30.33	19.94	27.66		
		-0.09	-0.31	-0.39	-0.48	-0.47	-0.49	-0.41	-0.46	-0.58	-0.70	-1.16	-1.28	-1.48	-1.42	-1.43	-1.00	-0.98	-1.53	-1.12	-0.82	-0.69	-0.71	-0.52	-0.71		
		3.56	4.11	4.38	2.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.31	23.45	0.00	-23.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
ALBANY_1_SOLAR	323833	6.73	15.48	15.44	19.35	20.68	22.24	14.22	14.68	17.57	21.82	32.07	35.11	36.36	37.79	39.26	33.28	38.82	60.72	51.45	40.56	33.16	31.83	21.51	31.19		
		0.13	0.54	0.72	0.95	0.99	1.01	0.67	0.59	0.60	0.67	0.86	0.50	0.38	0.49	0.72	0.72	0.48	0.94	0.82	0.71	0.70	0.78	0.76	1.40		
		-4.22	-4.68	-0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.35	-2.21	-4.27	-2.16	-3.08	0.00	0.00	0.00	-0.29	-1.41		
ALBANY_2_SOLAR	323834	6.73	15.47	15.44	19.34	20.67	22.24	14.21	14.68	17.57	21.81	32.06	35.10	36.36	37.78	39.25	33.27	38.81	60.70	51.44	40.54	33.15	31.81	21.50	31.18		
		0.13	0.54	0.71	0.95	0.99	1.00	0.67	0.59	0.59	0.66	0.85	0.49	0.38	0.48	0.70	0.71	0.46	0.92	0.81	0.69	0.68	0.76	0.75	1.40		
		-4.22	-4.68	-0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.35	-2.21	-4.27	-2.16	-3.08	0.00	0.00	0.00	-0.29	-1.41		
ALBANY___1	23571	7.26	15.81	15.17	18.95	20.25	21.81	13.97	14.54	17.45	21.71	32.15	35.46	37.01	38.37	39.51	33.36	39.06	60.86	51.51	40.46	33.08	31.76	21.42	30.70		
		0.09	0.33	0.43	0.56	0.57	0.58	0.43	0.44	0.48	0.56	0.94	0.85	1.03	1.07	0.97	0.76	0.62	1.01	0.78	0.61	0.62	0.72	0.60	0.88		
		-4.79	-5.22	-0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.36	-2.25	-4.36	-2.23	-3.18	0.00	0.00	0.00	-0.35	-1.44		

ALBANY___2 23572	7.26 0.09 -4.79	15.81 0.33 -5.22	15.17 0.43 -0.82	18.95 0.56 0.00	20.25 0.57 0.00	21.81 0.58 0.00	13.97 0.43 0.00	14.54 0.44 0.00	17.45 0.48 0.00	21.71 0.56 0.00	32.15 0.94 0.00	35.46 0.85 0.00	37.01 1.03 0.00	38.37 1.07 0.00	39.51 0.97 -0.36	33.36 0.76 -2.25	39.06 0.62 -4.36	60.86 1.01 -2.23	51.51 0.78 -3.18	40.46 0.61 0.00	33.08 0.62 0.00	31.76 0.72 0.00	21.42 0.60 -0.35	30.70 0.88 -1.44
ALBANY___3 23573	7.26 0.09 -4.79	15.81 0.33 -5.22	15.17 0.43 -0.82	18.95 0.56 0.00	20.25 0.57 0.00	21.81 0.58 0.00	13.97 0.43 0.00	14.54 0.44 0.00	17.45 0.48 0.00	21.71 0.56 0.00	32.15 0.94 0.00	35.46 0.85 0.00	37.01 1.03 0.00	38.37 1.07 0.00	39.51 0.97 -0.36	33.36 0.76 -2.25	39.06 0.62 -4.36	60.86 1.01 -2.23	51.51 0.78 -3.18	40.46 0.61 0.00	33.08 0.62 0.00	31.76 0.72 0.00	21.42 0.60 -0.35	30.70 0.88 -1.44
ALBANY___4 23574	7.26 0.09 -4.79	15.81 0.33 -5.22	15.17 0.43 -0.82	18.95 0.56 0.00	20.25 0.57 0.00	21.81 0.58 0.00	13.97 0.43 0.00	14.54 0.44 0.00	17.45 0.48 0.00	21.71 0.56 0.00	32.15 0.94 0.00	35.46 0.85 0.00	37.01 1.03 0.00	38.37 1.07 0.00	39.51 0.97 -0.36	33.36 0.76 -2.25	39.06 0.62 -4.36	60.86 1.01 -2.23	51.51 0.78 -3.18	40.46 0.61 0.00	33.08 0.62 0.00	31.76 0.72 0.00	21.42 0.60 -0.35	30.70 0.88 -1.44
ALBANY___LFGE 323615	7.26 0.12 -4.77	15.92 0.46 -5.20	15.34 0.60 -0.83	19.17 0.77 0.00	20.48 0.80 0.00	22.06 0.83 0.00	14.13 0.59 0.00	14.71 0.62 0.00	17.68 0.71 0.00	22.00 0.84 0.00	32.59 1.38 0.00	36.00 1.39 0.00	37.57 1.59 0.00	38.97 1.66 0.00	40.07 1.52 -0.35	33.77 1.19 -2.23	39.54 1.14 -4.33	61.72 1.88 -2.22	52.19 1.48 -3.16	41.04 1.19 0.00	33.52 1.06 0.00	32.18 1.13 0.00	21.68 0.86 -0.35	31.04 1.21 -1.46
ALCOA_PA_115KV_PL-6C 55860	-2.67 -0.11 4.94	4.21 -0.34 5.70	7.40 -0.45 6.07	13.76 -0.56 4.08	19.14 -0.54 0.00	20.68 -0.55 0.00	13.08 -0.46 0.00	13.60 -0.49 0.00	16.32 -0.65 0.00	20.35 -0.80 0.00	29.90 -1.32 0.00	33.16 -1.45 0.00	21.42 -1.66 12.90	12.96 -1.60 22.74	36.56 -1.64 0.00	67.59 -1.17 -38.42	32.95 -1.13 0.00	55.27 -2.35 0.00	46.24 -1.32 0.00	38.96 -0.90 0.00	31.71 -0.75 0.00	30.28 -0.77 0.00	19.91 -0.56 0.00	27.60 -0.77 0.00
ALCOA_RYNLDS___DRP 24188	-2.67 -0.11 4.94	4.21 -0.34 5.70	7.40 -0.45 6.07	13.76 -0.56 4.08	19.14 -0.54 0.00	20.68 -0.55 0.00	13.08 -0.46 0.00	13.60 -0.49 0.00	16.32 -0.65 0.00	20.35 -0.80 0.00	29.90 -1.32 0.00	33.16 -1.45 0.00	21.42 -1.66 12.90	12.96 -1.60 22.74	36.56 -1.64 0.00	67.59 -1.17 -38.42	32.95 -1.13 0.00	55.27 -2.35 0.00	46.24 -1.32 0.00	38.96 -0.90 0.00	31.71 -0.75 0.00	30.28 -0.77 0.00	19.91 -0.56 0.00	27.60 -0.77 0.00
ALCOA___DSASP 323711	-2.67 -0.11 4.94	4.21 -0.34 5.70	7.40 -0.45 6.07	13.76 -0.56 4.08	19.15 -0.54 0.00	20.68 -0.55 0.00	13.08 -0.46 0.00	13.60 -0.50 0.00	16.32 -0.65 0.00	20.35 -0.80 0.00	29.90 -1.31 0.00	33.16 -1.45 0.00	21.42 -1.66 12.90	12.96 -1.60 22.74	36.56 -1.64 0.00	67.59 -1.18 -38.42	32.95 -1.13 0.00	55.27 -2.35 0.00	46.24 -1.32 0.00	38.96 -0.90 0.00	31.72 -0.75 0.00	30.28 -0.77 0.00	19.91 -0.56 0.00	27.60 -0.77 0.00
ALLEGHENY___COGEN 23514	2.32 -0.06 0.00	10.09 -0.27 -0.10	13.59 -0.43 -0.10	17.89 -0.51 0.00	19.31 -0.37 0.00	20.90 -0.33 0.00	13.44 -0.09 0.00	14.16 0.07 0.00	17.14 0.17 0.00	21.47 0.32 0.00	31.24 0.03 0.00	33.63 -0.98 0.00	33.64 -2.34 0.00	34.53 -2.77 0.00	36.34 -2.04 -0.19	28.48 -1.86 0.00	31.53 -2.54 0.00	53.11 -4.50 0.00	43.89 -3.66 0.00	37.08 -2.77 0.00	32.57 0.11 0.00	31.58 0.54 0.00	20.69 0.23 0.00	28.59 0.04 -0.18
ALTAMONT_115KV_TB 2 55880	7.09 0.11 -4.60	15.71 0.41 -5.04	15.29 0.55 -0.82	19.11 0.72 0.00	20.43 0.74 0.00	22.02 0.78 0.00	14.08 0.54 0.00	14.66 0.56 0.00	17.61 0.63 0.00	21.90 0.75 0.00	32.37 1.16 0.00	35.81 1.20 0.00	37.35 1.37 0.00	38.72 1.42 0.00	39.88 1.36 -0.32	33.32 1.02 -1.95	39.12 1.04 -4.01	61.47 1.74 -2.11	51.95 1.39 -3.00	40.98 1.13 0.00	33.43 0.97 0.00	32.06 1.02 0.00	21.57 0.77 -0.33	30.94 1.12 -1.44
ALTONA_WT_PWR 323606	-1.24 -0.19 3.43	5.73 -0.55 3.98	9.06 -0.61 4.24	14.75 -0.62 3.02	19.18 -0.50 0.00	20.79 -0.44 0.00	13.17 -0.37 0.00	13.69 -0.40 0.00	16.41 -0.57 0.00	20.37 -0.78 0.00	29.52 -1.69 0.00	32.81 -1.80 0.00	20.64 -2.00 13.34	11.74 -2.05 23.51	36.02 -2.18 0.00	28.74 -1.61 0.00	32.46 -1.62 0.00	55.83 -1.79 0.00	46.19 -1.37 0.00	38.61 -1.24 0.00	31.42 -1.05 0.00	30.18 -0.86 0.00	20.12 -0.34 0.00	27.89 -0.48 0.00
AMERICAN_REF_FUEL 24010	2.19 -0.19 0.00	9.50 -0.86 -0.09	12.81 -1.20 -0.09	16.92 -1.48 0.00	18.23 -1.46 0.00	19.61 -1.62 0.00	12.53 -1.01 0.00	13.20 -0.89 0.00	16.05 -0.92 0.00	20.11 -1.05 0.00	29.54 -1.67 0.00	32.72 -1.89 0.00	33.36 -2.62 0.00	34.11 -3.20 0.00	35.35 -3.10 -0.26	28.17 -2.18 -0.01	31.77 -2.31 0.00	53.57 -4.06 -0.01	43.84 -3.73 -0.01	37.16 -2.69 0.00	30.41 -2.05 0.00	29.10 -1.94 0.00	19.17 -1.30 0.00	26.60 -1.93 -0.16
ARKWRIGHT___SUMMIT_WT_PWR 323751	2.29 -0.09 0.00	9.87 -0.49 -0.11	13.43 -0.59 -0.10	17.93 -0.46 0.00	19.25 -0.44 0.00	20.59 -0.64 0.00	13.22 -0.32 0.00	13.96 -0.14 0.00	17.17 0.19 0.00	21.57 0.42 0.00	31.83 0.62 0.00	35.46 0.85 0.00	36.28 0.29 0.00	37.19 -0.12 0.00	39.06 -0.06 -0.92	30.16 -0.18 0.00	34.06 -0.02 0.00	57.56 -0.06 0.00	47.00 -0.56 0.00	39.59 -0.26 0.00	32.12 -0.34 0.00	30.75 -0.29 0.00	20.25 -0.21 0.00	28.06 -0.50 -0.18
ARTHUR KILL_GT_1 23520	58.96 0.29 -56.29	43.18 1.00 -31.92	15.88 1.31 -0.65	20.07 1.67 0.00	21.37 1.67 -0.01	23.14 1.90 0.00	14.76 1.22 -0.01	15.47 1.37 0.00	18.55 1.57 -0.01	23.11 1.95 0.00	34.37 3.17 0.00	38.14 3.53 0.00	39.68 3.69 -0.01	40.55 3.92 0.67	42.09 3.91 0.01	47.73 2.76 -14.62	58.10 3.03 -21.00	71.78 5.03 -9.14	73.39 4.11 -21.72	49.43 3.26 -6.32	43.04 2.56 -8.02	42.64 2.49 -9.11	37.16 1.71 -14.99	53.63 2.52 -22.74
ARTHUR_KILL_2 23512	58.96 0.28 -56.29	43.14 0.95 -31.92	15.82 1.25 -0.65	20.00 1.60 0.00	21.29 1.60 -0.01	23.05 1.82 0.00	14.71 1.17 -0.01	15.41 1.32 0.00	18.49 1.51 -0.01	23.02 1.86 0.00	34.25 3.04 0.00	38.00 3.39 0.00	39.53 3.54 -0.01	40.39 3.75 0.67	41.92 3.73 0.01	47.60 2.63 -14.62	57.93 2.86 -21.00	71.47 4.71 -9.14	73.14 3.86 -21.72	49.23 3.06 -6.32	42.87 2.38 -8.02	42.48 2.32 -9.11	37.07 1.62 -14.99	53.51 2.40 -22.74
ARTHUR_KILL_3 23513	56.81 0.27 -54.16	43.11 0.92 -31.93	15.71 1.15 -0.64	19.84 1.45 0.00	21.15 1.46 0.00	22.91 1.67 0.00	14.63 1.09 0.00	15.34 1.24 0.00	18.47 1.49 0.00	23.06 1.91 0.00	34.26 3.04 0.00	37.97 3.36 0.00	39.59 3.60 0.00	41.29 3.83 -0.15	43.69 3.82 -1.67	48.59 2.65 -15.59	57.93 2.86 -21.00	71.35 4.59 -9.14	73.04 3.75 -21.73	49.14 2.96 -6.33	42.84 2.35 -8.03	39.47 2.31 -6.11	36.15 1.58 -14.11	53.49 2.38 -22.74

ARTHUR_KILL_COGEN 323718	58.96 0.29 -56.29	43.18 1.00 -31.92	15.88 1.31 -0.65	20.07 1.67 0.00	21.37 1.67 -0.01	23.14 1.90 0.00	14.76 1.22 -0.01	15.47 1.37 0.00	18.55 1.57 -0.01	23.11 1.95 0.00	34.37 3.17 0.00	38.14 3.53 0.00	39.68 3.69 -0.01	40.55 3.92 0.67	42.09 3.91 0.01	47.73 2.76 -14.62	58.10 3.03 -21.00	71.78 5.03 -9.14	73.39 4.11 -21.72	49.43 3.26 -6.32	43.04 2.56 -8.02	42.64 2.49 -9.11	37.16 1.71 -14.99	53.63 2.52 -22.74
ASHOKAN____ 23654	2.60 0.22 0.00	11.84 0.85 -0.73	15.76 1.11 -0.73	19.84 1.44 0.00	21.18 1.50 0.00	22.86 1.62 0.00	14.64 1.10 0.00	15.27 1.18 0.00	18.32 1.35 0.00	22.88 1.73 0.00	33.68 2.47 0.00	37.22 2.61 0.00	38.89 2.91 0.00	40.50 3.19 0.00	42.05 3.40 -0.46	36.70 3.05 -3.30	42.21 3.11 -5.02	64.32 4.55 -2.15	54.43 3.81 -3.06	43.05 3.19 0.00	35.05 2.59 0.00	33.53 2.48 0.00	22.15 1.69 0.00	31.94 2.29 -1.28
ASTORIA_EAST_ENERGY_CC1 323581	31.85 0.32 -29.15	38.64 1.04 -27.35	15.85 1.29 -0.64	20.00 1.60 0.00	21.27 1.58 0.00	23.12 1.88 0.00	14.74 1.20 0.00	15.46 1.37 0.00	18.54 1.57 0.00	23.11 1.96 0.00	34.43 3.22 0.00	38.04 3.43 0.00	39.64 3.66 0.00	41.25 3.94 0.01	43.85 3.99 -1.66	54.77 2.83 -21.59	58.12 3.03 -21.01	71.67 4.91 -9.15	73.39 4.11 -21.73	49.42 3.24 -6.33	43.07 2.51 -8.09	39.55 2.41 -6.10	36.20 1.63 -14.10	34.61 2.49 -3.75
ASTORIA_EAST_ENERGY_CC2 323582	31.85 0.32 -29.15	38.64 1.04 -27.35	15.85 1.29 -0.64	20.00 1.60 0.00	21.27 1.58 0.00	23.12 1.88 0.00	14.74 1.20 0.00	15.46 1.37 0.00	18.54 1.57 0.00	23.11 1.96 0.00	34.43 3.22 0.00	38.04 3.43 0.00	39.64 3.66 0.00	41.25 3.94 0.01	43.85 3.99 -1.66	54.77 2.83 -21.59	58.12 3.03 -21.01	71.67 4.91 -9.15	73.39 4.11 -21.73	49.42 3.24 -6.33	43.07 2.51 -8.09	39.55 2.41 -6.10	36.20 1.63 -14.10	34.61 2.49 -3.75
ASTORIA_GT2_1 24094	31.85 0.32 -29.15	38.64 1.04 -27.35	15.86 1.30 -0.64	20.01 1.62 0.00	21.28 1.59 0.00	23.12 1.89 0.00	14.75 1.21 0.00	15.47 1.38 0.00	18.55 1.58 0.00	23.13 1.98 0.00	34.44 3.24 0.00	38.06 3.45 0.00	39.66 3.68 0.00	41.27 3.97 0.01	43.87 4.01 -1.66	54.79 2.85 -21.59	58.13 3.05 -21.01	71.71 4.94 -9.15	73.43 4.14 -21.73	49.44 3.26 -6.33	43.08 2.53 -8.09	39.57 2.43 -6.10	36.21 1.64 -14.10	34.62 2.51 -3.75
ASTORIA_GT2_2 24095	31.85 0.32 -29.15	38.64 1.04 -27.35	15.86 1.30 -0.64	20.01 1.62 0.00	21.28 1.59 0.00	23.12 1.89 0.00	14.75 1.21 0.00	15.47 1.38 0.00	18.55 1.58 0.00	23.13 1.98 0.00	34.44 3.24 0.00	38.06 3.45 0.00	39.66 3.68 0.00	41.27 3.97 0.01	43.87 4.01 -1.66	54.79 2.85 -21.59	58.13 3.05 -21.01	71.71 4.94 -9.15	73.43 4.14 -21.73	49.44 3.26 -6.33	43.08 2.53 -8.09	39.57 2.43 -6.10	36.21 1.64 -14.10	34.62 2.51 -3.75
ASTORIA_GT2_3 24096	31.85 0.32 -29.15	38.64 1.04 -27.35	15.86 1.30 -0.64	20.01 1.62 0.00	21.28 1.59 0.00	23.12 1.89 0.00	14.75 1.21 0.00	15.47 1.38 0.00	18.55 1.58 0.00	23.13 1.98 0.00	34.44 3.24 0.00	38.06 3.45 0.00	39.66 3.68 0.00	41.27 3.97 0.01	43.87 4.01 -1.66	54.79 2.85 -21.59	58.13 3.05 -21.01	71.71 4.94 -9.15	73.43 4.14 -21.73	49.44 3.26 -6.33	43.08 2.53 -8.09	39.57 2.43 -6.10	36.21 1.64 -14.10	34.62 2.51 -3.75
ASTORIA_GT2_4 24097	31.85 0.32 -29.15	38.64 1.04 -27.35	15.86 1.30 -0.64	20.01 1.62 0.00	21.28 1.59 0.00	23.12 1.89 0.00	14.75 1.21 0.00	15.47 1.38 0.00	18.55 1.58 0.00	23.13 1.98 0.00	34.44 3.24 0.00	38.06 3.45 0.00	39.66 3.68 0.00	41.27 3.97 0.01	43.87 4.01 -1.66	54.79 2.85 -21.59	58.13 3.05 -21.01	71.71 4.94 -9.15	73.43 4.14 -21.73	49.44 3.26 -6.33	43.08 2.53 -8.09	39.57 2.43 -6.10	36.21 1.64 -14.10	34.62 2.51 -3.75
ASTORIA_GT3_1 24098	31.85 0.32 -29.15	38.64 1.04 -27.35	15.86 1.30 -0.64	20.01 1.62 0.00	21.28 1.59 0.00	23.12 1.89 0.00	14.75 1.21 0.00	15.47 1.38 0.00	18.55 1.58 0.00	23.13 1.98 0.00	34.44 3.24 0.00	38.06 3.45 0.00	39.66 3.68 0.00	41.27 3.97 0.01	43.87 4.01 -1.66	54.79 2.85 -21.59	58.13 3.05 -21.01	71.71 4.94 -9.15	73.43 4.14 -21.73	49.44 3.26 -6.33	43.08 2.53 -8.09	39.57 2.43 -6.10	36.21 1.64 -14.10	34.62 2.51 -3.75
ASTORIA_GT3_2 24099	31.85 0.32 -29.15	38.64 1.04 -27.35	15.86 1.30 -0.64	20.01 1.62 0.00	21.28 1.59 0.00	23.12 1.89 0.00	14.75 1.21 0.00	15.47 1.38 0.00	18.55 1.58 0.00	23.13 1.98 0.00	34.44 3.24 0.00	38.06 3.45 0.00	39.66 3.68 0.00	41.27 3.97 0.01	43.87 4.01 -1.66	54.79 2.85 -21.59	58.13 3.05 -21.01	71.71 4.94 -9.15	73.43 4.14 -21.73	49.44 3.26 -6.33	43.08 2.53 -8.09	39.57 2.43 -6.10	36.21 1.64 -14.10	34.62 2.51 -3.75
ASTORIA_GT3_3 24100	31.85 0.32 -29.15	38.64 1.04 -27.35	15.86 1.30 -0.64	20.01 1.62 0.00	21.28 1.59 0.00	23.12 1.89 0.00	14.75 1.21 0.00	15.47 1.38 0.00	18.55 1.58 0.00	23.13 1.98 0.00	34.44 3.24 0.00	38.06 3.45 0.00	39.66 3.68 0.00	41.27 3.97 0.01	43.87 4.01 -1.66	54.79 2.85 -21.59	58.13 3.05 -21.01	71.71 4.94 -9.15	73.43 4.14 -21.73	49.44 3.26 -6.33	43.08 2.53 -8.09	39.57 2.43 -6.10	36.21 1.64 -14.10	34.62 2.51 -3.75
ASTORIA_GT3_4 24101	31.85 0.32 -29.15	38.64 1.04 -27.35	15.86 1.30 -0.64	20.01 1.62 0.00	21.28 1.59 0.00	23.12 1.89 0.00	14.75 1.21 0.00	15.47 1.38 0.00	18.55 1.58 0.00	23.13 1.98 0.00	34.44 3.24 0.00	38.06 3.45 0.00	39.66 3.68 0.00	41.27 3.97 0.01	43.87 4.01 -1.66	54.79 2.85 -21.59	58.13 3.05 -21.01	71.71 4.94 -9.15	73.43 4.14 -21.73	49.44 3.26 -6.33	43.08 2.53 -8.09	39.57 2.43 -6.10	36.21 1.64 -14.10	34.62 2.51 -3.75
ASTORIA_GT4_1 24102	31.85 0.32 -29.15	38.64 1.04 -27.35	15.86 1.30 -0.64	20.01 1.62 0.00	21.28 1.59 0.00	23.12 1.89 0.00	14.75 1.21 0.00	15.47 1.38 0.00	18.55 1.58 0.00	23.13 1.98 0.00	34.44 3.24 0.00	38.06 3.45 0.00	39.66 3.68 0.00	41.27 3.97 0.01	43.87 4.01 -1.66	54.79 2.85 -21.59	58.13 3.05 -21.01	71.71 4.94 -9.15	73.43 4.14 -21.73	49.44 3.26 -6.33	43.08 2.53 -8.09	39.57 2.43 -6.10	36.21 1.64 -14.10	34.62 2.51 -3.75
ASTORIA_GT4_2 24103	31.85 0.32 -29.15	38.64 1.04 -27.35	15.86 1.30 -0.64	20.01 1.62 0.00	21.28 1.59 0.00	23.12 1.89 0.00	14.75 1.21 0.00	15.47 1.38 0.00	18.55 1.58 0.00	23.13 1.98 0.00	34.44 3.24 0.00	38.06 3.45 0.00	39.66 3.68 0.00	41.27 3.97 0.01	43.87 4.01 -1.66	54.79 2.85 -21.59	58.13 3.05 -21.01	71.71 4.94 -9.15	73.43 4.14 -21.73	49.44 3.26 -6.33	43.08 2.53 -8.09	39.57 2.43 -6.10	36.21 1.64 -14.10	34.62 2.51 -3.75
ASTORIA_GT4_3 24104	31.85 0.32 -29.15	38.64 1.04 -27.35	15.86 1.30 -0.64	20.01 1.62 0.00	21.28 1.59 0.00	23.12 1.89 0.00	14.75 1.21 0.00	15.47 1.38 0.00	18.55 1.58 0.00	23.13 1.98 0.00	34.44 3.24 0.00	38.06 3.45 0.00	39.66 3.68 0.00	41.27 3.97 0.01	43.87 4.01 -1.66	54.79 2.85 -21.59	58.13 3.05 -21.01	71.71 4.94 -9.15	73.43 4.14 -21.73	49.44 3.26 -6.33	43.08 2.53 -8.09	39.57 2.43 -6.10	36.21 1.64 -14.10	34.62 2.51 -3.75

ASTORIA_GT4_4 24105	31.85 0.32 -29.15	38.64 1.04 -27.35	15.86 1.30 -0.64	20.01 1.62 0.00	21.28 1.59 0.00	23.12 1.89 0.00	14.75 1.21 0.00	15.47 1.38 0.00	18.55 1.58 0.00	23.13 1.98 0.00	34.44 3.24 0.00	38.06 3.45 0.00	39.66 3.68 0.00	41.27 3.97 0.01	43.87 4.01 -1.66	54.79 2.85 -21.59	58.13 3.05 -21.01	71.71 4.94 -9.15	73.43 4.14 -21.73	49.44 3.26 -6.33	43.08 2.53 -8.09	39.57 2.43 -6.10	36.21 1.64 -14.10	34.62 2.51 -3.75
ASTORIA_GT_1 23523	31.86 0.33 -29.15	38.67 1.06 -27.35	15.89 1.34 -0.64	20.05 1.66 0.00	21.33 1.65 0.00	23.18 1.95 0.00	14.79 1.25 0.00	15.51 1.42 0.00	18.60 1.63 0.00	23.19 2.04 0.00	34.55 3.34 0.00	38.17 3.56 0.00	39.78 3.79 0.00	41.39 4.09 0.01	44.01 4.15 -1.66	54.89 2.95 -21.59	58.26 3.18 -21.01	71.91 5.15 -9.15	73.59 4.30 -21.73	49.58 3.39 -6.33	43.19 2.63 -8.09	39.67 2.52 -6.10	36.27 1.71 -14.10	34.71 2.59 -3.75
ASTORIA_GT_10 24110	31.82 0.29 -29.15	38.58 0.98 -27.35	15.81 1.25 -0.64	19.96 1.57 0.00	21.25 1.57 0.00	23.04 1.80 0.00	14.69 1.15 0.00	15.40 1.31 0.00	18.47 1.50 0.00	23.03 1.88 0.00	34.32 3.11 0.00	37.99 3.38 0.00	39.52 3.54 0.00	41.07 3.77 0.01	42.27 3.79 -0.29	47.72 2.69 -14.68	57.96 2.88 -21.00	69.55 4.66 -7.27	44.36 3.87 7.07	31.17 3.04 11.72	27.99 2.38 6.85	30.26 2.30 3.08	35.67 1.57 -13.63	34.51 2.39 -3.75
ASTORIA_GT_11 24225	31.82 0.29 -29.15	38.58 0.98 -27.35	15.81 1.25 -0.64	19.96 1.57 0.00	21.25 1.57 0.00	23.04 1.80 0.00	14.69 1.15 0.00	15.40 1.31 0.00	18.47 1.50 0.00	23.03 1.88 0.00	34.32 3.11 0.00	37.99 3.38 0.00	39.52 3.54 0.00	41.07 3.77 0.01	42.27 3.79 -0.29	47.72 2.69 -14.68	57.96 2.88 -21.00	69.55 4.66 -7.27	44.36 3.87 7.07	31.17 3.04 11.72	27.99 2.38 6.85	30.26 2.30 3.08	35.67 1.57 -13.63	34.51 2.39 -3.75
ASTORIA_GT_12 24226	31.82 0.29 -29.15	38.58 0.98 -27.35	15.81 1.25 -0.64	19.96 1.57 0.00	21.25 1.57 0.00	23.04 1.80 0.00	14.69 1.15 0.00	15.40 1.31 0.00	18.47 1.50 0.00	23.03 1.88 0.00	34.32 3.11 0.00	37.99 3.38 0.00	39.52 3.54 0.00	41.07 3.77 0.01	42.27 3.79 -0.29	47.72 2.69 -14.68	57.96 2.88 -21.00	69.55 4.66 -7.27	44.36 3.87 7.07	31.17 3.04 11.72	27.99 2.38 6.85	30.26 2.30 3.08	35.67 1.57 -13.63	34.51 2.39 -3.75
ASTORIA_GT_13 24227	31.82 0.29 -29.15	38.58 0.98 -27.35	15.81 1.25 -0.64	19.96 1.57 0.00	21.25 1.57 0.00	23.04 1.80 0.00	14.69 1.15 0.00	15.40 1.31 0.00	18.47 1.50 0.00	23.03 1.88 0.00	34.32 3.11 0.00	37.99 3.38 0.00	39.52 3.54 0.00	41.07 3.77 0.01	42.27 3.79 -0.29	47.72 2.69 -14.68	57.96 2.88 -21.00	69.55 4.66 -7.27	44.36 3.87 7.07	31.17 3.04 11.72	27.99 2.38 6.85	30.26 2.30 3.08	35.67 1.57 -13.63	34.51 2.39 -3.75
ASTORIA_GT_5 24106	31.86 0.33 -29.15	38.67 1.06 -27.35	15.89 1.34 -0.64	20.06 1.66 0.00	21.33 1.65 0.00	23.18 1.95 0.00	14.79 1.25 0.00	15.51 1.42 0.00	18.60 1.63 0.00	23.19 2.04 0.00	34.55 3.34 0.00	38.17 3.56 0.00	39.78 3.80 0.00	41.40 4.10 0.01	44.01 4.15 -1.66	54.90 2.96 -21.59	58.27 3.18 -21.01	71.91 5.15 -9.15	73.59 4.30 -21.73	49.58 3.40 -6.33	43.19 2.64 -8.09	39.67 2.52 -6.10	36.26 1.70 -14.10	34.71 2.59 -3.75
ASTORIA_GT_7 24107	31.86 0.33 -29.15	38.67 1.06 -27.35	15.89 1.34 -0.64	20.06 1.66 0.00	21.33 1.65 0.00	23.18 1.95 0.00	14.79 1.25 0.00	15.51 1.42 0.00	18.60 1.63 0.00	23.19 2.04 0.00	34.55 3.34 0.00	38.17 3.56 0.00	39.78 3.80 0.00	41.40 4.10 0.01	44.01 4.15 -1.66	54.90 2.96 -21.59	58.27 3.18 -21.01	71.91 5.15 -9.15	73.59 4.30 -21.73	49.58 3.40 -6.33	43.19 2.64 -8.09	39.67 2.52 -6.10	36.26 1.70 -14.10	34.71 2.59 -3.75
ASTORIA_GT_8 24108	31.86 0.33 -29.15	38.67 1.06 -27.35	15.89 1.34 -0.64	20.06 1.66 0.00	21.33 1.65 0.00	23.18 1.95 0.00	14.79 1.25 0.00	15.51 1.42 0.00	18.60 1.63 0.00	23.19 2.04 0.00	34.55 3.34 0.00	38.17 3.56 0.00	39.78 3.80 0.00	41.40 4.10 0.01	44.01 4.15 -1.66	54.90 2.96 -21.59	58.27 3.18 -21.01	71.91 5.15 -9.15	73.59 4.30 -21.73	49.58 3.40 -6.33	43.19 2.64 -8.09	39.67 2.52 -6.10	36.26 1.70 -14.10	34.71 2.59 -3.75
ASTORIA___2 24149	31.85 0.32 -29.15	38.64 1.04 -27.35	15.86 1.30 -0.64	20.01 1.61 0.00	21.28 1.59 0.00	23.12 1.89 0.00	14.75 1.21 0.00	15.47 1.38 0.00	18.55 1.58 0.00	23.13 1.98 0.00	34.45 3.24 0.00	38.06 3.45 0.00	39.66 3.68 0.00	41.27 3.97 0.01	43.87 4.01 -1.66	54.78 2.85 -21.59	58.13 3.05 -21.01	71.71 4.94 -9.15	73.44 4.15 -21.73	49.45 3.27 -6.33	43.08 2.53 -8.09	39.57 2.43 -6.10	36.22 1.65 -14.10	34.62 2.50 -3.75
ASTORIA___3 23516	31.82 0.29 -29.15	38.58 0.98 -27.35	15.81 1.25 -0.64	19.96 1.57 0.00	21.25 1.57 0.00	23.04 1.80 0.00	14.69 1.15 0.00	15.40 1.30 0.00	18.47 1.49 0.00	23.03 1.88 0.00	34.32 3.11 0.00	37.98 3.37 0.00	39.52 3.54 0.00	41.07 3.77 0.01	42.27 3.79 -0.29	47.72 2.69 -14.68	57.95 2.88 -21.00	69.55 4.66 -7.27	44.35 3.87 7.07	31.18 3.04 11.72	27.99 2.37 6.85	30.26 2.30 3.08	35.67 1.57 -13.63	34.51 2.39 -3.75
ASTORIA___4 23517	31.82 0.29 -29.15	38.58 0.98 -27.35	15.81 1.25 -0.64	19.96 1.57 0.00	21.25 1.57 0.00	23.04 1.80 0.00	14.69 1.15 0.00	15.40 1.31 0.00	18.47 1.50 0.00	23.03 1.88 0.00	34.32 3.11 0.00	37.98 3.37 0.00	39.52 3.54 0.00	41.07 3.77 0.01	42.27 3.78 -0.29	47.72 2.69 -14.68	57.96 2.88 -21.00	69.55 4.66 -7.27	44.36 3.87 7.07	31.17 3.04 11.72	27.99 2.38 6.85	30.26 2.30 3.08	35.67 1.57 -13.63	34.51 2.39 -3.75
ASTORIA___5 23518	31.82 0.29 -29.15	38.58 0.98 -27.35	15.81 1.25 -0.64	19.96 1.57 0.00	21.25 1.57 0.00	23.04 1.80 0.00	14.69 1.15 0.00	15.40 1.30 0.00	18.47 1.49 0.00	23.03 1.88 0.00	34.32 3.11 0.00	37.98 3.37 0.00	39.52 3.54 0.00	41.07 3.77 0.01	42.27 3.79 -0.29	47.72 2.69 -14.68	57.95 2.88 -21.00	69.55 4.66 -7.27	44.35 3.87 7.07	31.18 3.04 11.72	27.99 2.37 6.85	30.26 2.30 3.08	35.67 1.57 -13.63	34.51 2.39 -3.75
AST_ENERGY_2_CC3 323677	31.81 0.27 -29.16	38.54 0.93 -27.35	15.74 1.18 -0.64	19.88 1.49 0.00	21.18 1.49 0.00	22.94 1.71 0.00	14.65 1.11 0.00	15.36 1.27 0.00	18.48 1.51 0.00	23.08 1.93 0.00	34.32 3.11 0.00	38.03 3.42 0.00	39.61 3.62 0.00	41.16 3.85 0.00	43.74 3.88 -1.67	54.71 2.78 -21.59	58.08 3.00 -21.00	71.56 4.80 -9.14	73.22 3.93 -21.73	49.29 3.11 -6.33	43.00 2.45 -8.09	39.53 2.38 -6.11	36.19 1.62 -14.11	34.54 2.43 -3.75
AST_ENERGY_2_CC4 323678	31.81 0.27 -29.16	38.54 0.93 -27.35	15.74 1.18 -0.64	19.88 1.49 0.00	21.18 1.49 0.00	22.94 1.71 0.00	14.65 1.11 0.00	15.36 1.27 0.00	18.48 1.51 0.00	23.08 1.93 0.00	34.32 3.11 0.00	38.03 3.42 0.00	39.61 3.62 0.00	41.16 3.85 0.00	43.74 3.88 -1.67	54.71 2.78 -21.59	58.08 3.00 -21.00	71.56 4.80 -9.14	73.22 3.93 -21.73	49.29 3.11 -6.33	43.00 2.45 -8.09	39.53 2.38 -6.11	36.19 1.62 -14.11	34.54 2.43 -3.75

ATHENS_STG_1 23668	8.77 0.14 -6.25	17.22 0.51 -6.46	15.31 0.67 -0.73	19.26 0.87 0.00	20.57 0.88 0.00	22.20 0.96 0.00	14.19 0.65 0.00	14.78 0.69 0.00	17.77 0.80 0.00	22.14 0.99 0.00	32.79 1.58 0.00	36.34 1.73 0.00	37.89 1.91 0.00	39.31 2.00 0.00	40.44 1.96 -0.28	35.27 1.39 -3.53	40.13 1.46 -4.60	62.56 2.35 -2.59	55.16 1.88 -5.73	42.82 1.49 -1.48	35.59 1.23 -1.89	33.78 1.31 -1.43	24.71 0.96 -3.29	31.66 1.40 -1.88
ATHENS_STG_2 23670	8.77 0.14 -6.25	17.22 0.51 -6.46	15.31 0.67 -0.73	19.26 0.87 0.00	20.57 0.88 0.00	22.20 0.96 0.00	14.19 0.65 0.00	14.78 0.69 0.00	17.77 0.80 0.00	22.14 0.99 0.00	32.79 1.58 0.00	36.34 1.73 0.00	37.89 1.91 0.00	39.31 2.00 0.00	40.44 1.96 -0.28	35.27 1.39 -3.53	40.13 1.46 -4.60	62.56 2.35 -2.59	55.16 1.88 -5.73	42.82 1.49 -1.48	35.59 1.23 -1.89	33.78 1.31 -1.43	24.71 0.96 -3.29	31.66 1.40 -1.88
ATHENS_STG_3 23677	8.77 0.14 -6.25	17.22 0.51 -6.46	15.31 0.67 -0.73	19.26 0.87 0.00	20.57 0.88 0.00	22.20 0.96 0.00	14.19 0.65 0.00	14.78 0.69 0.00	17.77 0.80 0.00	22.14 0.99 0.00	32.79 1.58 0.00	36.34 1.73 0.00	37.89 1.91 0.00	39.31 2.00 0.00	40.44 1.96 -0.28	35.27 1.39 -3.53	40.13 1.46 -4.60	62.56 2.35 -2.59	55.16 1.88 -5.73	42.82 1.49 -1.48	35.59 1.23 -1.89	33.78 1.31 -1.43	24.71 0.96 -3.29	31.66 1.40 -1.88
AUBURN___LFGE 323710	2.39 0.02 0.00	10.40 0.06 -0.07	14.07 0.07 -0.07	18.47 0.10 0.02	19.72 0.04 0.00	21.35 0.04 -0.07	13.70 0.16 0.00	14.34 0.24 0.00	17.33 0.36 0.00	21.70 0.43 -0.11	33.24 0.75 -1.29	37.35 0.85 -1.89	38.83 0.79 -2.06	40.04 0.53 -2.21	41.25 0.64 -2.42	28.56 0.62 2.41	36.53 0.77 -1.68	64.13 1.10 -5.41	52.87 0.91 -4.41	43.85 0.81 -3.18	35.18 0.66 -2.06	33.28 0.43 -1.80	20.86 0.24 -0.15	30.12 0.31 -1.44
BABYLON_RES_REC 323704	50.56 0.30 -47.89	68.71 1.03 -57.42	47.94 1.33 -32.69	48.99 1.67 -28.92	64.27 1.70 -42.88	32.12 1.91 -8.98	48.55 1.27 -33.75	49.26 1.43 -33.74	40.25 1.70 -21.57	40.15 2.07 -16.92	51.39 3.28 -16.90	55.14 3.69 -16.84	44.23 3.81 -4.44	94.22 4.16 -52.75	99.04 4.23 -56.61	120.25 3.09 -86.81	159.94 3.35 -122.52	269.76 5.34 -206.79	108.65 4.44 -56.65	50.32 3.48 -6.98	45.67 2.81 -10.40	52.70 2.87 -18.79	40.27 1.90 -17.92	41.46 3.13 -9.96
BABYLON__69_KV_BK2 356345	50.62 0.35 -47.89	68.95 1.26 -57.42	48.24 1.63 -32.69	49.36 2.05 -28.92	64.67 2.10 -42.88	32.56 2.35 -8.97	48.83 1.55 -33.74	53.19 1.75 -37.35	40.67 2.12 -21.57	43.23 2.65 -19.44	52.42 4.16 -17.05	56.13 4.68 -16.84	45.25 4.84 -4.44	95.26 5.20 -52.75	100.05 5.24 -56.62	135.28 3.88 -101.05	171.17 4.22 -132.87	274.48 6.85 -210.01	135.13 5.69 -81.88	56.34 4.54 -11.95	47.36 3.70 -11.19	53.48 3.65 -18.79	40.72 2.34 -17.92	41.89 3.56 -9.96
BALL_HILL_WT_PWR 323825	2.27 -0.11 0.00	9.82 -0.54 -0.10	13.33 -0.69 -0.10	17.63 -0.76 0.00	18.97 -0.71 0.00	20.38 -0.85 0.00	13.05 -0.49 0.00	13.76 -0.33 0.00	16.81 -0.16 0.00	21.10 -0.05 0.00	31.09 -0.12 0.00	34.57 -0.04 0.00	35.34 -0.64 0.00	36.24 -1.07 0.00	38.43 -0.85 -1.08	29.70 -0.65 0.00	33.48 -0.59 0.00	56.56 -1.06 0.00	46.21 -1.35 0.00	38.95 -0.89 0.00	31.73 -0.74 0.00	30.31 -0.74 0.00	19.98 -0.49 0.00	27.73 -0.82 -0.18
BARON_WINDS___WT_PWR 323822	2.29 -0.08 0.00	9.97 -0.42 -0.13	13.45 -0.60 -0.13	17.64 -0.76 0.00	19.10 -0.58 0.00	20.70 -0.55 -0.02	13.26 -0.27 0.00	13.93 -0.16 0.00	16.95 -0.02 0.00	21.30 0.12 -0.03	31.74 0.21 -0.32	35.49 0.40 -0.48	36.54 0.05 -0.51	37.65 -0.20 -0.55	39.35 0.18 -0.97	30.70 0.06 -0.29	34.59 0.09 -0.42	59.08 0.08 -1.37	48.30 -0.38 -1.12	40.32 -0.34 -0.81	32.83 -0.16 -0.52	31.31 -0.20 -0.46	20.43 -0.07 -0.04	28.69 -0.25 -0.56
BARRETT_IC_1 23704	50.56 0.29 -47.89	68.70 1.02 -57.42	47.92 1.31 -32.69	49.01 1.70 -28.92	64.31 1.74 -42.88	32.17 1.95 -8.98	48.52 1.24 -33.75	47.19 1.34 -31.75	40.14 1.60 -21.57	38.87 1.99 -15.73	51.23 3.20 -16.83	54.95 3.51 -16.84	44.05 3.63 -4.44	93.91 3.85 -52.75	98.73 3.93 -56.61	107.41 2.86 -74.20	116.64 3.09 -79.48	241.96 4.93 -179.40	97.39 4.01 -45.83	49.44 3.13 -6.46	45.08 2.47 -10.14	52.35 2.52 -18.79	40.12 1.74 -17.92	40.95 2.62 -9.96
BARRETT_IC_10 23701	50.56 0.29 -47.89	68.70 1.02 -57.42	47.92 1.31 -32.69	49.01 1.70 -28.92	64.31 1.74 -42.88	32.17 1.95 -8.98	48.52 1.24 -33.75	47.19 1.34 -31.75	40.14 1.60 -21.57	38.87 1.99 -15.73	51.23 3.20 -16.83	54.95 3.51 -16.84	44.05 3.63 -4.44	93.91 3.85 -52.75	98.73 3.93 -56.61	107.41 2.86 -74.20	116.64 3.09 -79.48	241.96 4.93 -179.40	97.39 4.01 -45.83	49.44 3.13 -6.46	45.08 2.47 -10.14	52.35 2.52 -18.79	40.12 1.74 -17.92	40.95 2.62 -9.96
BARRETT_IC_11 23702	50.56 0.29 -47.89	68.70 1.02 -57.42	47.92 1.31 -32.69	49.01 1.70 -28.92	64.31 1.74 -42.88	32.17 1.95 -8.98	48.52 1.24 -33.75	47.19 1.34 -31.75	40.14 1.60 -21.57	38.87 1.99 -15.73	51.23 3.20 -16.83	54.95 3.51 -16.84	44.05 3.63 -4.44	93.91 3.85 -52.75	98.73 3.93 -56.61	107.41 2.86 -74.20	116.64 3.09 -79.48	241.96 4.93 -179.40	97.39 4.01 -45.83	49.44 3.13 -6.46	45.08 2.47 -10.14	52.35 2.52 -18.79	40.12 1.74 -17.92	40.95 2.62 -9.96
BARRETT_IC_12 23703	50.56 0.29 -47.89	68.70 1.02 -57.42	47.92 1.31 -32.69	49.01 1.70 -28.92	64.31 1.74 -42.88	32.17 1.95 -8.98	48.52 1.24 -33.75	47.19 1.34 -31.75	40.14 1.60 -21.57	38.87 1.99 -15.73	51.23 3.20 -16.83	54.95 3.51 -16.84	44.05 3.63 -4.44	93.91 3.85 -52.75	98.73 3.93 -56.61	107.41 2.86 -74.20	116.64 3.09 -79.48	241.96 4.93 -179.40	97.39 4.01 -45.83	49.44 3.13 -6.46	45.08 2.47 -10.14	52.35 2.52 -18.79	40.12 1.74 -17.92	40.95 2.62 -9.96
BARRETT_IC_2 23705	50.56 0.29 -47.89	68.70 1.02 -57.42	47.92 1.31 -32.69	49.01 1.70 -28.92	64.31 1.74 -42.88	32.17 1.95 -8.98	48.52 1.24 -33.75	47.19 1.34 -31.75	40.14 1.60 -21.57	38.87 1.99 -15.73	51.23 3.20 -16.83	54.95 3.51 -16.84	44.05 3.63 -4.44	93.91 3.85 -52.75	98.73 3.93 -56.61	107.41 2.86 -74.20	116.64 3.09 -79.48	241.96 4.93 -179.40	97.39 4.01 -45.83	49.44 3.13 -6.46	45.08 2.47 -10.14	52.35 2.52 -18.79	40.12 1.74 -17.92	40.95 2.62 -9.96
BARRETT_IC_3 23706	50.56 0.29 -47.89	68.70 1.02 -57.42	47.92 1.31 -32.69	49.01 1.70 -28.92	64.31 1.74 -42.88	32.17 1.95 -8.98	48.52 1.24 -33.75	47.19 1.34 -31.75	40.14 1.60 -21.57	38.87 1.99 -15.73	51.23 3.20 -16.83	54.95 3.51 -16.84	44.05 3.63 -4.44	93.91 3.85 -52.75	98.73 3.93 -56.61	107.41 2.86 -74.20	116.64 3.09 -79.48	241.96 4.93 -179.40	97.39 4.01 -45.83	49.44 3.13 -6.46	45.08 2.47 -10.14	52.35 2.52 -18.79	40.12 1.74 -17.92	40.95 2.62 -9.96
BARRETT_IC_4 23707	50.56 0.29 -47.89	68.70 1.02 -57.42	47.92 1.31 -32.69	49.01 1.70 -28.92	64.31 1.74 -42.88	32.17 1.95 -8.98	48.52 1.24 -33.75	47.19 1.34 -31.75	40.14 1.60 -21.57	38.87 1.99 -15.73	51.23 3.20 -16.83	54.95 3.51 -16.84	44.05 3.63 -4.44	93.91 3.85 -52.75	98.73 3.93 -56.61	107.41 2.86 -74.20	116.64 3.09 -79.48	241.96 4.93 -179.40	97.39 4.01 -45.83	49.44 3.13 -6.46	45.08 2.47 -10.14	52.35 2.52 -18.79	40.12 1.74 -17.92	40.95 2.62 -9.96

BARRETT_IC_5 23708	50.56 0.29 -47.89	68.70 1.02 -57.42	47.92 1.31 -32.69	49.01 1.70 -28.92	64.31 1.74 -42.88	32.17 1.95 -8.98	48.52 1.24 -33.75	47.19 1.34 -31.75	40.14 1.60 -21.57	38.87 1.99 -15.73	51.23 3.20 -16.83	54.95 3.51 -16.84	44.05 3.63 -4.44	93.91 3.85 -52.75	98.73 3.93 -56.61	107.41 2.86 -74.20	116.64 3.09 -79.48	241.96 4.93 -179.40	97.39 4.01 -45.83	49.44 3.13 -6.46	45.08 2.47 -10.14	52.35 2.52 -18.79	40.12 1.74 -17.92	40.95 2.62 -9.96
BARRETT_IC_6 23709	50.56 0.29 -47.89	68.70 1.02 -57.42	47.92 1.31 -32.69	49.01 1.70 -28.92	64.31 1.74 -42.88	32.17 1.95 -8.98	48.52 1.24 -33.75	47.19 1.34 -31.75	40.14 1.60 -21.57	38.87 1.99 -15.73	51.23 3.20 -16.83	54.95 3.51 -16.84	44.05 3.63 -4.44	93.91 3.85 -52.75	98.73 3.93 -56.61	107.41 2.86 -74.20	116.64 3.09 -79.48	241.96 4.93 -179.40	97.39 4.01 -45.83	49.44 3.13 -6.46	45.08 2.47 -10.14	52.35 2.52 -18.79	40.12 1.74 -17.92	40.95 2.62 -9.96
BARRETT_IC_7 23710	50.56 0.29 -47.89	68.70 1.02 -57.42	47.92 1.31 -32.69	49.01 1.70 -28.92	64.31 1.74 -42.88	32.16 1.95 -8.97	48.52 1.24 -33.74	47.19 1.34 -31.75	40.14 1.60 -21.57	38.87 1.99 -15.73	51.23 3.20 -16.82	54.95 3.51 -16.84	44.04 3.63 -4.44	93.91 3.86 -52.75	98.74 3.93 -56.61	107.41 2.86 -74.20	116.65 3.10 -79.48	241.95 4.93 -179.40	97.39 4.01 -45.83	49.45 3.14 -6.46	45.07 2.47 -10.14	52.35 2.52 -18.78	40.12 1.74 -17.92	40.95 2.61 -9.96
BARRETT_IC_8 23711	50.56 0.29 -47.89	68.70 1.02 -57.42	47.92 1.31 -32.69	49.01 1.70 -28.92	64.31 1.74 -42.88	32.17 1.95 -8.98	48.52 1.24 -33.75	47.19 1.34 -31.75	40.14 1.60 -21.57	38.87 1.99 -15.73	51.23 3.20 -16.83	54.95 3.51 -16.84	44.05 3.63 -4.44	93.91 3.85 -52.75	98.73 3.93 -56.61	107.41 2.86 -74.20	116.64 3.09 -79.48	241.96 4.93 -179.40	97.39 4.01 -45.83	49.44 3.13 -6.46	45.08 2.47 -10.14	52.35 2.52 -18.79	40.12 1.74 -17.92	40.95 2.62 -9.96
BARRETT_IC_9 23700	50.56 0.29 -47.89	68.70 1.02 -57.42	47.92 1.31 -32.69	49.01 1.70 -28.92	64.31 1.74 -42.88	32.17 1.95 -8.98	48.52 1.24 -33.75	47.19 1.34 -31.75	40.14 1.60 -21.57	38.87 1.99 -15.73	51.23 3.20 -16.83	54.95 3.51 -16.84	44.05 3.63 -4.44	93.91 3.85 -52.75	98.73 3.93 -56.61	107.41 2.86 -74.20	116.64 3.09 -79.48	241.96 4.93 -179.40	97.39 4.01 -45.83	49.44 3.13 -6.46	45.08 2.47 -10.14	52.35 2.52 -18.79	40.12 1.74 -17.92	40.95 2.62 -9.96
BARRETT___1 23545	50.56 0.29 -47.89	68.70 1.02 -57.42	47.92 1.31 -32.69	49.01 1.70 -28.92	64.31 1.74 -42.88	32.17 1.95 -8.98	48.52 1.24 -33.75	47.19 1.34 -31.75	40.14 1.60 -21.57	38.87 1.99 -15.73	51.23 3.20 -16.83	54.95 3.51 -16.84	44.05 3.63 -4.44	93.91 3.85 -52.75	98.73 3.93 -56.61	107.41 2.86 -74.20	116.64 3.09 -79.48	241.96 4.93 -179.40	97.39 4.01 -45.83	49.44 3.13 -6.46	45.08 2.47 -10.14	52.35 2.52 -18.79	40.12 1.74 -17.92	40.95 2.62 -9.96
BARRETT___2 23546	50.56 0.29 -47.89	68.70 1.02 -57.42	47.92 1.31 -32.69	49.01 1.70 -28.92	64.31 1.74 -42.88	32.17 1.95 -8.98	48.52 1.24 -33.75	47.19 1.34 -31.75	40.14 1.60 -21.57	38.87 1.99 -15.73	51.23 3.20 -16.83	54.95 3.51 -16.84	44.05 3.63 -4.44	93.91 3.85 -52.75	98.73 3.93 -56.61	107.41 2.86 -74.20	116.64 3.09 -79.48	241.96 4.93 -179.40	97.39 4.01 -45.83	49.44 3.13 -6.46	45.08 2.47 -10.14	52.35 2.52 -18.79	40.12 1.74 -17.92	40.95 2.62 -9.96
BATAVIA__115KV_TB1 55881	2.32 -0.06 0.00	10.02 -0.33 -0.08	13.52 -0.49 -0.08	17.83 -0.56 0.00	19.19 -0.50 0.00	20.69 -0.54 0.00	13.26 -0.27 0.00	14.01 -0.09 0.00	17.07 0.10 0.00	21.39 0.24 0.00	31.46 0.25 0.00	34.85 0.24 0.00	35.60 -0.38 0.00	36.33 -0.97 0.00	37.51 -0.82 -0.13	29.85 -0.52 -0.02	33.52 -0.57 -0.02	56.72 -0.92 -0.02	46.66 -0.93 -0.03	39.54 -0.31 0.00	32.37 -0.09 0.00	30.95 -0.09 0.00	20.29 -0.17 0.00	28.06 -0.46 -0.15
BAYONEEC___CTG1 323682	31.81 0.28 -29.16	38.56 0.95 -27.35	15.76 1.20 -0.64	19.90 1.51 0.00	21.21 1.53 0.00	22.98 1.74 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.54 0.00	23.12 1.97 0.00	34.37 3.16 0.00	38.08 3.47 0.00	39.65 3.67 0.00	41.21 3.90 0.00	43.78 3.92 -1.67	48.72 2.79 -15.59	58.09 3.01 -21.00	71.60 4.84 -9.14	73.26 3.97 -21.73	49.31 3.13 -6.33	42.96 2.47 -8.03	39.56 2.40 -6.11	36.23 1.66 -14.11	34.60 2.48 -3.75
BAYONEEC___CTG10 323750	31.81 0.28 -29.16	38.56 0.95 -27.35	15.76 1.20 -0.64	19.90 1.51 0.00	21.21 1.53 0.00	22.98 1.74 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.54 0.00	23.12 1.97 0.00	34.37 3.16 0.00	38.08 3.47 0.00	39.65 3.67 0.00	41.21 3.90 0.00	43.78 3.92 -1.67	48.72 2.79 -15.59	58.09 3.01 -21.00	71.60 4.84 -9.14	73.26 3.97 -21.73	49.31 3.13 -6.33	42.96 2.47 -8.03	39.56 2.40 -6.11	36.23 1.66 -14.11	34.60 2.48 -3.75
BAYONEEC___CTG2 323683	31.81 0.28 -29.16	38.56 0.95 -27.35	15.76 1.20 -0.64	19.90 1.51 0.00	21.21 1.53 0.00	22.98 1.74 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.54 0.00	23.12 1.97 0.00	34.37 3.16 0.00	38.08 3.47 0.00	39.65 3.67 0.00	41.21 3.90 0.00	43.78 3.92 -1.67	48.72 2.79 -15.59	58.09 3.01 -21.00	71.60 4.84 -9.14	73.26 3.97 -21.73	49.31 3.13 -6.33	42.96 2.47 -8.03	39.56 2.40 -6.11	36.23 1.66 -14.11	34.60 2.48 -3.75
BAYONEEC___CTG3 323684	31.81 0.28 -29.16	38.56 0.95 -27.35	15.76 1.20 -0.64	19.90 1.51 0.00	21.21 1.53 0.00	22.98 1.74 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.54 0.00	23.12 1.97 0.00	34.37 3.16 0.00	38.08 3.47 0.00	39.65 3.67 0.00	41.21 3.90 0.00	43.78 3.92 -1.67	48.72 2.79 -15.59	58.09 3.01 -21.00	71.60 4.84 -9.14	73.26 3.97 -21.73	49.31 3.13 -6.33	42.96 2.47 -8.03	39.56 2.40 -6.11	36.23 1.66 -14.11	34.60 2.48 -3.75
BAYONEEC___CTG4 323685	31.81 0.28 -29.16	38.56 0.95 -27.35	15.76 1.20 -0.64	19.90 1.51 0.00	21.21 1.53 0.00	22.98 1.74 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.54 0.00	23.12 1.97 0.00	34.37 3.16 0.00	38.08 3.47 0.00	39.65 3.67 0.00	41.21 3.90 0.00	43.78 3.92 -1.67	48.72 2.79 -15.59	58.09 3.01 -21.00	71.60 4.84 -9.14	73.26 3.97 -21.73	49.31 3.13 -6.33	42.96 2.47 -8.03	39.56 2.40 -6.11	36.23 1.66 -14.11	34.60 2.48 -3.75
BAYONEEC___CTG5 323686	31.81 0.28 -29.16	38.56 0.95 -27.35	15.76 1.20 -0.64	19.90 1.51 0.00	21.21 1.53 0.00	22.98 1.74 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.54 0.00	23.12 1.97 0.00	34.37 3.16 0.00	38.08 3.47 0.00	39.65 3.67 0.00	41.21 3.90 0.00	43.78 3.92 -1.67	48.72 2.79 -15.59	58.09 3.01 -21.00	71.60 4.84 -9.14	73.26 3.97 -21.73	49.31 3.13 -6.33	42.96 2.47 -8.03	39.56 2.40 -6.11	36.23 1.66 -14.11	34.60 2.48 -3.75
BAYONEEC___CTG6 323687	31.81 0.28 -29.16	38.56 0.95 -27.35	15.76 1.20 -0.64	19.90 1.51 0.00	21.21 1.53 0.00	22.98 1.74 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.54 0.00	23.12 1.97 0.00	34.37 3.16 0.00	38.08 3.47 0.00	39.65 3.67 0.00	41.21 3.90 0.00	43.78 3.92 -1.67	48.72 2.79 -15.59	58.09 3.01 -21.00	71.60 4.84 -9.14	73.26 3.97 -21.73	49.31 3.13 -6.33	42.96 2.47 -8.03	39.56 2.40 -6.11	36.23 1.66 -14.11	34.60 2.48 -3.75

BAYONEEC___CTG7 323688	31.81 0.28 -29.16	38.56 0.95 -27.35	15.76 1.20 -0.64	19.90 1.51 0.00	21.21 1.53 0.00	22.98 1.74 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.54 0.00	23.12 1.97 0.00	34.37 3.16 0.00	38.08 3.47 0.00	39.65 3.67 0.00	41.21 3.90 0.00	43.78 3.92 -1.67	48.72 2.79 -15.59	58.09 3.01 -21.00	71.60 4.84 -9.14	73.26 3.97 -21.73	49.31 3.13 -6.33	42.96 2.47 -8.03	39.56 2.40 -6.11	36.23 1.66 -14.11	34.60 2.48 -3.75
BAYONEEC___CTG8 323689	31.81 0.28 -29.16	38.56 0.95 -27.35	15.76 1.20 -0.64	19.90 1.51 0.00	21.21 1.53 0.00	22.98 1.74 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.54 0.00	23.12 1.97 0.00	34.37 3.16 0.00	38.08 3.47 0.00	39.65 3.67 0.00	41.21 3.90 0.00	43.78 3.92 -1.67	48.72 2.79 -15.59	58.09 3.01 -21.00	71.60 4.84 -9.14	73.26 3.97 -21.73	49.31 3.13 -6.33	42.96 2.47 -8.03	39.56 2.40 -6.11	36.23 1.66 -14.11	34.60 2.48 -3.75
BAYONEEC___CTG9 323749	31.81 0.28 -29.16	38.56 0.95 -27.35	15.76 1.20 -0.64	19.90 1.51 0.00	21.21 1.53 0.00	22.98 1.74 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.54 0.00	23.12 1.97 0.00	34.37 3.16 0.00	38.08 3.47 0.00	39.65 3.67 0.00	41.21 3.90 0.00	43.78 3.92 -1.67	48.72 2.79 -15.59	58.09 3.01 -21.00	71.60 4.84 -9.14	73.26 3.97 -21.73	49.31 3.13 -6.33	42.96 2.47 -8.03	39.56 2.40 -6.11	36.23 1.66 -14.11	34.60 2.48 -3.75
BEACON___LESR 323632	7.33 0.12 -4.83	16.00 0.49 -5.25	15.32 0.58 -0.82	19.22 0.82 0.00	20.53 0.85 0.00	22.13 0.90 0.00	14.19 0.65 0.00	14.76 0.66 0.00	17.74 0.76 0.00	22.03 0.87 0.00	32.64 1.43 0.00	36.10 1.50 0.00	37.56 1.58 0.00	38.99 1.69 0.00	40.31 1.75 -0.36	34.02 1.39 -2.28	39.80 1.31 -4.42	62.09 2.22 -2.26	52.57 1.80 -3.21	41.17 1.32 0.00	33.60 1.14 0.00	32.24 1.19 0.00	21.73 0.91 -0.36	31.24 1.42 -1.44
BEAVER RIVER___HYD 24048	-32.37 -0.26 34.49	-30.43 -0.59 40.11	-29.68 -0.88 42.72	-13.66 -1.16 30.90	18.69 -0.99 0.00	20.32 -0.96 -0.04	13.08 -0.46 0.00	13.82 -0.28 0.00	16.71 -0.27 0.00	20.95 -0.27 -0.07	31.54 -0.47 -0.81	35.28 -0.53 -1.19	32.69 -0.49 2.80	31.02 -0.45 5.84	39.06 -0.67 -1.54	-42.12 -1.22 71.25	34.16 -1.18 -1.26	60.67 -1.24 -4.29	50.55 -0.50 -3.49	42.28 -0.09 -2.52	34.18 0.16 -1.56	32.49 0.08 -1.37	20.25 -0.32 -0.11	28.45 -0.97 -1.05
BEEBEE_GT_13 23619	2.32 -0.05 0.00	10.06 -0.27 -0.07	13.58 -0.40 -0.07	17.90 -0.50 0.00	19.20 -0.48 0.00	20.71 -0.53 0.00	13.26 -0.28 0.00	13.94 -0.15 0.00	16.92 -0.05 0.00	21.18 0.02 0.00	31.23 0.02 0.00	34.61 0.00 0.00	35.58 0.00 0.00	36.58 0.00 0.00	37.49 -0.62 0.08	29.93 -0.41 0.00	33.69 -0.39 0.00	57.04 -0.58 0.00	46.90 -0.66 0.00	39.48 -0.37 0.00	32.23 -0.23 0.00	30.77 -0.28 0.00	20.19 -0.28 0.00	27.97 -0.53 -0.13
BENSHRST_27_KV_BENSHRST_1 355998	80.69 0.32 -77.99	47.66 1.11 -36.29	16.01 1.44 -0.65	20.23 1.83 0.00	21.54 1.85 -0.01	23.33 2.10 0.00	14.90 1.35 -0.01	15.61 1.52 0.00	18.74 1.76 -0.01	23.36 2.20 0.00	34.80 3.59 0.00	38.58 3.96 0.00	40.15 4.16 -0.01	42.04 4.44 -0.30	55.05 4.45 -12.41	67.90 3.19 -34.36	58.51 3.43 -21.00	75.84 5.63 -12.59	136.66 4.72 -84.38	146.06 3.78 -102.43	74.06 2.97 -38.62	57.76 2.86 -23.86	37.38 1.92 -14.99	60.02 2.86 -28.79
BETHLEHEM___GRP 23843	7.26 0.09 -4.79	15.81 0.33 -5.22	15.17 0.43 -0.82	18.95 0.56 0.00	20.25 0.57 0.00	21.81 0.58 0.00	13.97 0.43 0.00	14.54 0.44 0.00	17.45 0.48 0.00	21.71 0.56 0.00	32.15 0.94 0.00	35.46 0.85 0.00	37.01 1.03 0.00	38.37 1.07 0.00	39.51 0.97 -0.36	33.36 0.76 -2.25	39.06 0.62 -4.36	60.86 1.01 -2.23	51.51 0.78 -3.18	40.46 0.61 0.00	33.08 0.62 0.00	31.76 0.72 0.00	21.42 0.60 -0.35	30.70 0.88 -1.44
BETHLEHEM___GS1 323560	7.26 0.09 -4.79	15.81 0.33 -5.22	15.17 0.43 -0.82	18.95 0.56 0.00	20.25 0.57 0.00	21.81 0.58 0.00	13.97 0.43 0.00	14.54 0.44 0.00	17.45 0.48 0.00	21.71 0.56 0.00	32.15 0.94 0.00	35.46 0.85 0.00	37.01 1.03 0.00	38.37 1.07 0.00	39.51 0.96 -0.36	33.35 0.75 -2.25	39.05 0.62 -4.36	60.86 1.01 -2.23	51.51 0.78 -3.18	40.46 0.61 0.00	33.08 0.62 0.00	31.76 0.72 0.00	21.42 0.61 -0.35	30.69 0.88 -1.44
BETHLEHEM___GS2 323561	7.26 0.09 -4.79	15.81 0.33 -5.22	15.17 0.43 -0.82	18.95 0.56 0.00	20.25 0.57 0.00	21.81 0.58 0.00	13.97 0.43 0.00	14.54 0.44 0.00	17.45 0.48 0.00	21.71 0.56 0.00	32.15 0.94 0.00	35.46 0.85 0.00	37.01 1.03 0.00	38.37 1.07 0.00	39.51 0.96 -0.36	33.35 0.75 -2.25	39.05 0.62 -4.36	60.86 1.01 -2.23	51.51 0.78 -3.18	40.46 0.61 0.00	33.08 0.62 0.00	31.76 0.72 0.00	21.42 0.61 -0.35	30.69 0.88 -1.44
BETHLEHEM___GS3 323562	7.26 0.09 -4.79	15.81 0.33 -5.22	15.17 0.43 -0.82	18.95 0.56 0.00	20.25 0.57 0.00	21.81 0.58 0.00	13.97 0.43 0.00	14.54 0.44 0.00	17.45 0.48 0.00	21.71 0.56 0.00	32.15 0.94 0.00	35.46 0.85 0.00	37.01 1.03 0.00	38.37 1.07 0.00	39.51 0.96 -0.36	33.35 0.75 -2.25	39.05 0.62 -4.36	60.86 1.01 -2.23	51.51 0.78 -3.18	40.46 0.61 0.00	33.08 0.62 0.00	31.76 0.72 0.00	21.42 0.61 -0.35	30.69 0.88 -1.44
BETHLEHEM___STEEL 23779	2.26 -0.11 0.00	9.80 -0.56 -0.10	13.25 -0.77 -0.10	17.49 -0.91 0.00	18.83 -0.85 0.00	20.28 -0.96 0.00	12.97 -0.57 0.00	13.67 -0.42 0.00	16.66 -0.31 0.00	20.90 -0.25 0.00	30.77 -0.44 0.00	34.16 -0.45 0.00	34.89 -1.09 0.00	35.74 -1.56 0.00	37.79 -1.36 -0.96	29.39 -0.96 0.00	33.16 -0.92 0.00	56.04 -1.58 0.00	45.85 -1.70 0.00	38.75 -1.10 0.00	31.60 -0.86 0.00	30.16 -0.88 0.00	19.86 -0.60 0.00	27.58 -0.96 -0.17
BETHLHEM_115KV_TB1 79974	7.24 0.09 -4.77	15.81 0.35 -5.19	15.20 0.46 -0.82	18.99 0.60 0.00	20.29 0.61 0.00	21.86 0.63 0.00	14.00 0.46 0.00	14.57 0.47 0.00	17.49 0.51 0.00	21.75 0.60 0.00	32.21 1.00 0.00	35.53 0.92 0.00	37.06 1.08 0.00	38.45 1.14 0.00	39.60 1.05 -0.35	33.40 0.82 -2.23	39.11 0.70 -4.33	60.99 1.15 -2.21	51.61 0.90 -3.15	40.56 0.70 0.00	33.15 0.69 0.00	31.82 0.78 0.00	21.45 0.64 -0.35	30.75 0.94 -1.44
BETHPAGE_CC_5 323564	50.57 0.29 -47.89	68.71 1.03 -57.42	47.93 1.32 -32.69	48.99 1.67 -28.92	64.28 1.71 -42.88	32.13 1.92 -8.98	48.55 1.26 -33.75	48.13 1.42 -32.61	40.25 1.70 -21.57	39.36 2.14 -16.07	51.44 3.38 -16.85	55.25 3.80 -16.84	44.41 3.99 -4.44	94.41 4.35 -52.75	99.26 4.45 -56.61	117.28 3.28 -83.65	167.69 3.53 -130.08	276.51 5.68 -213.21	99.71 4.63 -47.52	49.63 3.63 -6.14	45.67 2.90 -10.31	52.70 2.86 -18.79	40.23 1.85 -17.92	41.16 2.82 -9.96
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	2.27 -0.11 0.00	9.83 -0.53 -0.10	13.30 -0.72 -0.10	17.55 -0.85 0.00	18.89 -0.79 0.00	20.35 -0.89 0.00	13.01 -0.52 0.00	13.72 -0.37 0.00	16.73 -0.25 0.00	20.98 -0.17 0.00	30.89 -0.32 0.00	34.31 -0.30 0.00	35.05 -0.93 0.00	35.92 -1.38 0.00	37.95 -1.17 -0.92	29.54 -0.80 0.00	33.34 -0.74 0.00	56.35 -1.27 0.00	46.09 -1.47 0.00	38.94 -0.91 0.00	31.74 -0.73 0.00	30.28 -0.76 0.00	19.94 -0.52 0.00	27.69 -0.86 -0.18

BINGHAMTON___COGEN 23790	2.42 0.04 0.00	10.51 0.06 -0.19	14.20 0.09 -0.19	18.53 0.13 0.00	19.82 0.13 0.00	21.41 0.14 -0.03	13.69 0.15 0.00	14.29 0.20 0.00	17.29 0.32 0.00	21.67 0.48 -0.05	32.52 0.74 -0.57	36.42 0.95 -0.86	37.75 0.84 -0.92	39.10 0.80 -0.99	40.41 1.04 -1.18	31.63 0.75 -0.53	35.65 0.82 -0.75	61.42 1.37 -2.43	50.42 0.89 -1.97	41.91 0.63 -1.43	33.88 0.49 -0.92	32.27 0.42 -0.81	20.85 0.32 -0.07	29.68 0.38 -0.92
BIXINCNT_115KV_LOAD 355685	2.27 -0.11 0.00	9.86 -0.51 -0.11	13.43 -0.60 -0.11	17.72 -0.68 0.00	19.09 -0.59 0.00	20.62 -0.61 0.00	13.17 -0.37 0.00	13.88 -0.22 0.00	16.89 -0.08 0.00	21.26 0.10 0.00	31.26 0.05 0.00	34.76 0.15 0.00	35.61 -0.37 0.00	36.60 -0.71 0.00	38.54 -0.44 -0.79	30.00 -0.35 0.00	33.79 -0.29 0.00	57.11 -0.51 0.00	46.58 -0.98 0.00	39.25 -0.60 0.00	32.01 -0.46 0.00	30.50 -0.55 0.00	20.13 -0.33 0.00	28.00 -0.57 -0.19
BLACK RIVER___HYD 24047	-21.44 -0.21 23.61	-17.76 -0.58 27.44	-16.14 -0.83 29.23	-3.81 -1.05 21.15	18.82 -0.87 0.00	20.47 -0.84 -0.07	13.17 -0.37 0.00	13.92 -0.17 0.00	16.86 -0.11 0.00	21.18 -0.09 -0.11	32.34 -0.17 -1.30	36.27 -0.26 -1.91	35.07 -0.18 0.73	34.31 -0.25 2.74	40.22 -0.45 -2.48	-19.99 -1.33 49.02	34.74 -1.17 -1.84	62.42 -1.29 -6.09	51.92 -0.60 -4.95	43.37 -0.06 -3.58	35.01 0.28 -2.27	33.19 0.17 -1.98	20.34 -0.28 -0.16	28.98 -0.90 -1.50
BLACKRVR_115KV_TB2 79977	-21.45 -0.21 23.61	-17.76 -0.58 27.44	-16.14 -0.83 29.23	-3.81 -1.05 21.15	18.82 -0.87 0.00	20.47 -0.84 -0.07	13.17 -0.37 0.00	13.92 -0.17 0.00	16.86 -0.11 0.00	21.17 -0.09 -0.11	32.34 -0.17 -1.30	36.26 -0.26 -1.91	35.07 -0.18 0.73	34.31 -0.25 2.74	40.22 -0.45 -2.48	-19.99 -1.33 49.02	34.75 -1.17 -1.84	62.42 -1.29 -6.09	51.92 -0.60 -4.95	43.37 -0.06 -3.58	35.01 0.28 -2.27	33.20 0.17 -1.98	20.34 -0.28 -0.16	28.98 -0.90 -1.50
BLISS_WT_PWR 323608	2.26 -0.12 0.00	9.85 -0.52 -0.11	13.42 -0.60 -0.11	17.71 -0.69 0.00	19.09 -0.60 0.00	20.62 -0.62 0.00	13.16 -0.38 0.00	13.87 -0.22 0.00	16.89 -0.09 0.00	21.25 0.10 0.00	31.26 0.05 0.00	34.77 0.16 0.00	35.63 -0.35 0.00	36.63 -0.68 0.00	38.58 -0.40 -0.79	30.06 -0.28 0.00	33.81 -0.26 0.00	57.11 -0.51 0.00	46.56 -1.00 0.00	39.24 -0.61 0.00	32.00 -0.46 0.00	30.49 -0.56 0.00	20.13 -0.33 0.00	27.99 -0.57 -0.19
BLUESTONE___WT_PWR 323821	2.50 0.12 0.00	11.01 0.54 -0.21	14.87 0.74 -0.21	19.17 0.78 0.00	20.13 0.44 0.00	21.83 0.57 -0.03	14.06 0.52 0.00	14.66 0.56 0.00	17.88 0.91 0.00	22.60 1.41 -0.04	33.90 2.19 -0.50	37.86 2.41 -0.84	38.97 2.20 -0.80	40.68 2.53 -0.85	42.19 2.98 -1.01	33.36 2.47 -0.54	37.32 2.54 -0.70	64.23 4.53 -2.09	53.25 3.99 -1.70	44.28 3.20 -1.23	35.79 2.53 -0.80	34.05 2.31 -0.70	21.98 1.47 -0.06	31.12 1.87 -0.87
BLUE_CIRC_CHEM_DRP 24182	6.79 0.11 -4.30	15.46 0.45 -4.75	15.32 0.60 -0.81	19.18 0.79 0.00	20.50 0.82 0.00	22.07 0.84 0.00	14.11 0.57 0.00	14.62 0.53 0.00	17.52 0.55 0.00	21.77 0.61 0.00	32.03 0.82 0.00	35.04 0.43 0.00	36.26 0.27 0.00	37.63 0.33 0.00	38.92 0.38 -0.35	32.91 0.37 -2.20	38.48 0.15 -4.25	60.14 0.36 -2.16	50.92 0.29 -3.07	40.09 0.23 0.00	32.77 0.30 0.00	31.46 0.41 0.00	21.29 0.53 -0.30	30.95 1.17 -1.41
BOC_GAS_DRP 24189	7.11 0.10 -4.63	15.71 0.38 -5.06	15.24 0.51 -0.82	19.06 0.66 0.00	20.36 0.68 0.00	21.95 0.71 0.00	14.04 0.50 0.00	14.61 0.51 0.00	17.54 0.57 0.00	21.83 0.68 0.00	32.27 1.06 0.00	35.67 1.06 0.00	37.15 1.17 0.00	38.54 1.23 0.00	39.69 1.18 -0.32	33.17 0.87 -1.95	38.95 0.83 -4.04	61.11 1.37 -2.12	51.66 1.09 -3.02	40.71 0.86 0.00	33.22 0.76 0.00	31.87 0.83 0.00	21.46 0.67 -0.33	30.81 1.00 -1.44
BOONVILLE_115KV_TB1 79983	30.56 -0.12 -28.30	42.98 -0.14 -32.86	48.64 -0.26 -34.99	42.70 -0.36 -24.67	19.45 -0.23 0.00	21.09 -0.17 -0.03	13.56 0.02 0.00	14.24 0.15 0.00	17.24 0.27 0.00	21.61 0.42 -0.04	32.28 0.59 -0.48	36.01 0.69 -0.71	35.76 0.72 0.94	35.91 0.80 2.20	39.82 0.71 -0.92	-5.46 0.19 35.99	35.40 0.34 -0.99	62.71 1.48 -3.61	52.13 1.64 -2.94	43.55 1.57 -2.12	35.13 1.42 -1.25	33.41 1.28 -1.09	21.10 0.54 -0.09	29.52 0.29 -0.85
BORALEX_4TH_BRANCH 23824	8.13 0.19 -5.56	16.86 0.68 -5.92	15.65 0.91 -0.82	19.60 1.20 0.00	20.94 1.26 0.00	22.55 1.32 0.00	14.45 0.91 0.00	15.07 0.98 0.00	18.09 1.12 0.00	22.45 1.30 0.00	33.15 1.95 0.00	36.73 2.12 0.00	38.39 2.41 0.00	39.90 2.59 0.00	41.00 2.37 -0.44	34.95 1.71 -2.90	41.16 1.82 -5.26	63.50 3.26 -2.62	54.01 2.73 -3.72	42.14 2.29 0.00	34.39 1.93 0.00	33.05 2.01 0.00	22.30 1.40 -0.43	31.76 1.95 -1.44
BOWLINE___1 23526	-43.40 0.22 45.99	-30.49 0.75 41.50	15.50 0.96 -0.62	19.61 1.21 0.00	20.91 1.23 0.00	22.62 1.39 0.00	14.45 0.91 0.00	15.12 1.03 0.00	18.20 1.23 0.00	22.73 1.58 0.00	33.75 2.54 0.00	37.47 2.86 0.00	39.12 3.14 0.00	40.66 3.36 0.00	43.67 3.36 -2.12	31.86 2.39 0.87	58.88 2.57 -22.24	73.77 4.09 -12.05	54.91 3.29 -4.06	32.92 2.58 9.51	22.35 2.06 12.17	23.88 2.02 9.19	1.05 1.38 20.80	27.60 2.05 2.83
BOWLINE___2 23595	-43.44 0.22 46.04	-30.54 0.74 41.54	15.49 0.96 -0.62	19.61 1.21 0.00	20.90 1.22 0.00	22.61 1.38 0.00	14.43 0.90 0.00	15.10 1.01 0.00	18.17 1.20 0.00	22.69 1.54 0.00	33.70 2.49 0.00	37.42 2.81 0.00	39.06 3.08 0.00	40.60 3.30 0.00	43.64 3.32 -2.12	31.81 2.38 0.92	58.80 2.57 -22.15	73.73 4.10 -12.01	54.86 3.31 -4.00	32.92 2.58 9.51	22.33 2.04 12.17	23.85 1.99 9.19	1.02 1.36 20.80	27.55 2.01 2.83
BRADY___115KV_TB2 356060	-5.07 -0.10 7.36	1.83 -0.25 8.17	4.89 -0.32 8.71	10.28 -0.40 7.72	19.33 -0.36 0.00	20.91 -0.33 0.00	13.24 -0.30 0.00	13.77 -0.33 0.00	16.48 -0.49 0.00	20.58 -0.57 0.00	30.18 -1.03 0.00	33.41 -1.20 0.00	22.29 -1.42 12.27	14.27 -1.41 21.63	36.62 -1.57 0.00	-206.03 -1.14 235.24	33.01 -1.06 0.00	55.66 -1.96 0.00	46.54 -1.01 0.00	39.52 -0.33 0.00	32.23 -0.23 0.00	30.78 -0.27 0.00	20.18 -0.28 0.00	27.93 -0.44 0.00
BRANSCOMB___SOLAR 323811	7.17 0.15 -4.63	15.98 0.62 -5.09	15.64 0.87 -0.85	19.54 1.15 0.00	20.90 1.22 0.00	22.53 1.30 0.00	14.43 0.89 0.00	15.03 0.93 0.00	18.01 1.04 0.00	22.31 1.16 0.00	32.90 1.69 0.00	36.50 1.89 0.00	38.31 2.32 0.00	39.81 2.50 0.00	40.76 2.23 -0.34	34.17 1.67 -2.16	40.14 1.87 -4.19	63.26 3.50 -2.15	53.68 3.07 -3.05	42.32 2.47 0.00	34.52 2.06 0.00	33.10 2.05 0.00	22.18 1.37 -0.35	31.69 1.83 -1.48
BRENTWOD_69_KV_W. BRTWOOD 56703	50.61 0.34 -47.89	68.88 1.20 -57.42	48.15 1.54 -32.69	49.25 1.94 -28.92	64.56 1.99 -42.88	32.44 2.23 -8.97	48.76 1.48 -33.74	53.71 1.66 -37.95	40.54 2.00 -21.57	43.13 2.49 -19.49	52.24 3.98 -17.05	55.91 4.46 -16.84	45.03 4.61 -4.44	94.92 4.86 -52.75	99.51 4.70 -56.62	132.80 3.39 -99.06	156.14 3.67 -118.40	263.48 5.89 -199.97	130.52 4.92 -78.04	55.14 3.91 -11.38	46.91 3.26 -11.19	53.11 3.28 -18.79	40.48 2.10 -17.92	41.62 3.28 -9.96



BRISTLHL_115KV_TB1 79998	0.64 -0.03 1.70	8.17 -0.15 1.94	11.63 -0.22 2.07	16.55 -0.31 1.54	19.35 -0.34 0.00	21.01 -0.38 -0.15	13.38 -0.16 0.00	13.97 -0.12 0.00	16.87 -0.10 0.00	21.25 -0.13 -0.24	33.79 -0.17 -2.75	38.46 -0.19 -4.04	40.24 -0.21 -4.47	41.76 -0.32 -4.78	43.18 -0.25 -5.24	26.40 -0.25 3.70	37.38 -0.32 -3.62	68.90 -0.39 -11.68	56.61 -0.45 -9.50	46.38 -0.34 -6.87	36.59 -0.31 -4.43	34.61 -0.31 -3.88	20.52 -0.26 -0.32	30.81 -0.46 -2.90
BROOKHAVEN___DRP 24191	50.60 0.33 -47.89	68.84 1.16 -57.42	48.08 1.47 -32.69	49.18 1.87 -28.92	64.52 1.95 -42.88	32.42 2.21 -8.97	48.76 1.47 -33.74	74.23 1.70 -58.43	40.55 2.00 -21.57	57.17 2.51 -33.52	53.11 3.99 -17.90	55.82 4.37 -16.84	44.95 4.53 -4.44	94.88 4.82 -52.75	99.71 4.89 -56.63	216.18 3.60 -182.23	238.41 3.87 -200.47	298.20 6.21 -234.37	269.64 5.33 -216.75	84.19 4.13 -40.21	51.87 3.36 -16.05	53.15 3.32 -18.79	40.49 2.11 -17.92	41.65 3.31 -9.96
BROOKLYN_NAVY_YARD 23515	31.81 0.27 -29.16	38.56 0.95 -27.35	15.76 1.20 -0.64	19.90 1.51 0.00	21.21 1.53 0.00	22.98 1.75 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.54 0.00	23.12 1.97 0.00	34.38 3.17 0.00	38.09 3.48 0.00	39.66 3.67 0.00	41.23 3.93 0.00	43.82 3.95 -1.67	54.78 2.85 -21.59	58.18 3.10 -21.00	71.73 4.97 -9.14	73.36 4.07 -21.73	49.40 3.22 -6.33	43.08 2.53 -8.09	39.59 2.44 -6.11	36.22 1.64 -14.11	34.57 2.45 -3.75
BROOKLYN___ARMY_DRP 323595	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.70 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.27 3.65 0.00	39.81 3.83 -0.01	41.68 4.07 -0.30	54.67 4.06 -12.41	67.60 2.89 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.36 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
BROOKVLE_69_KV_TB1 55790	50.58 0.31 -47.89	68.80 1.11 -57.42	48.05 1.44 -32.69	49.22 1.90 -28.92	64.52 1.95 -42.88	32.38 2.17 -8.97	48.70 1.42 -33.74	47.42 1.57 -31.75	40.42 1.88 -21.57	39.24 2.37 -15.73	51.78 3.75 -16.82	55.66 4.21 -16.84	44.89 4.47 -4.44	94.94 4.88 -52.75	99.85 5.04 -56.61	135.94 3.76 -101.83	298.01 4.11 -259.82	366.26 6.60 -302.04	102.62 5.28 -49.78	50.58 4.15 -6.58	45.94 3.27 -10.21	53.01 3.18 -18.78	40.43 2.05 -17.92	41.32 2.99 -9.96
BROOME_2_LFGE 323671	2.42 0.04 0.00	10.51 0.06 -0.19	14.20 0.09 -0.19	18.52 0.12 0.00	19.82 0.13 0.00	21.41 0.14 -0.03	13.69 0.15 0.00	14.29 0.19 0.00	17.29 0.32 0.00	21.68 0.48 -0.05	32.52 0.74 -0.57	36.42 0.95 -0.86	37.75 0.84 -0.92	39.09 0.80 -0.99	40.41 1.04 -1.18	31.63 0.75 -0.53	35.64 0.82 -0.75	61.41 1.37 -2.43	50.41 0.88 -1.97	41.90 0.62 -1.43	33.88 0.49 -0.92	32.27 0.41 -0.81	20.85 0.31 -0.07	29.68 0.38 -0.92
BROOME___LFGE 323600	2.42 0.04 0.00	10.51 0.06 -0.19	14.20 0.09 -0.19	18.52 0.12 0.00	19.82 0.13 0.00	21.41 0.14 -0.03	13.69 0.15 0.00	14.29 0.19 0.00	17.29 0.32 0.00	21.68 0.48 -0.05	32.52 0.74 -0.57	36.42 0.95 -0.86	37.75 0.84 -0.92	39.09 0.80 -0.99	40.41 1.04 -1.18	31.63 0.75 -0.53	35.64 0.82 -0.75	61.41 1.37 -2.43	50.41 0.88 -1.97	41.90 0.62 -1.43	33.88 0.49 -0.92	32.27 0.41 -0.81	20.85 0.31 -0.07	29.68 0.38 -0.92
BROWNFLS_115KV_TB_3_5 80003	-21.60 -0.25 23.73	-18.09 -0.69 27.66	-16.53 -0.99 29.46	-4.69 -1.32 21.77	18.46 -1.23 0.00	20.03 -1.23 -0.03	12.82 -0.72 0.00	13.54 -0.55 0.00	16.33 -0.64 0.00	20.43 -0.77 -0.05	30.58 -1.18 -0.55	34.16 -1.26 -0.82	28.27 -1.32 6.39	24.19 -1.23 11.89	37.76 -1.49 -1.06	-93.09 -1.65 121.78	33.26 -1.67 -0.86	58.22 -2.34 -2.94	48.46 -1.49 -2.39	40.64 -0.94 -1.73	32.92 -0.61 -1.07	31.32 -0.65 -0.94	19.86 -0.68 -0.08	27.74 -1.34 -0.71
BROWNSV1_27_KV_LOAD 356125	31.85 0.31 -29.16	38.71 1.10 -27.35	15.96 1.40 -0.64	20.17 1.78 0.00	21.50 1.81 0.00	23.28 2.05 0.00	14.88 1.34 0.00	15.60 1.51 0.00	18.78 1.81 0.00	23.46 2.31 0.00	34.87 3.66 0.00	38.67 4.06 0.00	40.27 4.29 0.00	41.86 4.56 0.00	44.48 4.62 -1.67	55.31 3.38 -21.59	58.74 3.66 -21.00	72.70 5.94 -9.14	74.13 4.84 -21.73	50.06 3.88 -6.33	43.64 3.08 -8.09	40.11 2.96 -6.11	36.55 1.98 -14.11	35.02 2.90 -3.75
BURROWS___LYONSDAL 23803	2.21 -0.17 0.00	10.03 -0.25 -0.02	13.52 -0.42 -0.02	17.54 -0.57 0.28	19.26 -0.43 0.00	20.91 -0.36 -0.03	13.45 -0.09 0.00	14.15 0.05 0.00	17.13 0.15 0.00	21.48 0.28 -0.05	32.11 0.36 -0.55	35.84 0.43 -0.81	35.15 0.47 1.30	34.95 0.55 2.91	39.65 0.41 -1.04	-12.69 -0.13 42.91	35.11 -0.01 -1.04	62.26 0.90 -3.74	51.81 1.21 -3.05	43.29 1.24 -2.20	34.94 1.16 -1.31	33.22 1.03 -1.15	20.91 0.35 -0.10	29.26 0.00 -0.89
CAITHNESS_CC_1 323624	50.60 0.33 -47.89	68.83 1.15 -57.42	48.07 1.46 -32.69	49.16 1.85 -28.92	64.49 1.92 -42.88	32.39 2.18 -8.98	48.73 1.45 -33.75	74.25 1.67 -58.48	40.51 1.97 -21.57	57.02 2.46 -33.41	53.04 3.93 -17.90	55.75 4.30 -16.84	44.88 4.46 -4.44	94.82 4.76 -52.75	99.64 4.82 -56.63	215.34 3.52 -181.47	236.92 3.78 -199.06	297.16 6.01 -233.53	266.81 5.12 -214.13	83.53 4.02 -39.66	51.76 3.28 -16.02	53.08 3.25 -18.79	40.45 2.07 -17.92	41.60 3.26 -9.96
CALPINE BETH_PAGE_GT4 24209	50.56 0.29 -47.89	68.70 1.02 -57.42	47.91 1.30 -32.69	48.97 1.66 -28.92	64.26 1.69 -42.88	32.10 1.89 -8.97	48.53 1.25 -33.74	47.91 1.41 -32.41	40.23 1.69 -21.57	39.26 2.12 -15.99	51.40 3.35 -16.84	55.21 3.77 -16.84	44.37 3.96 -4.44	94.38 4.32 -52.75	99.23 4.43 -56.61	119.19 3.26 -85.59	182.88 3.52 -145.28	286.97 5.66 -223.68	99.86 4.59 -47.72	48.52 3.62 -5.05	45.38 2.87 -10.05	52.67 2.84 -18.78	40.22 1.84 -17.92	41.12 2.79 -9.96
CALPINE_BETH_PAGE_GT_4 323586	50.56 0.29 -47.89	68.70 1.02 -57.42	47.91 1.30 -32.69	48.97 1.66 -28.92	64.26 1.69 -42.88	32.11 1.89 -8.98	48.53 1.25 -33.75	47.91 1.41 -32.41	40.23 1.69 -21.57	39.26 2.12 -15.99	51.41 3.35 -16.84	55.22 3.77 -16.84	44.38 3.96 -4.44	94.37 4.32 -52.75	99.23 4.42 -56.61	119.19 3.25 -85.59	182.87 3.52 -145.28	286.97 5.66 -223.69	99.87 4.59 -47.72	48.51 3.60 -5.06	45.38 2.87 -10.05	52.67 2.83 -18.79	40.22 1.84 -17.92	41.13 2.79 -9.96
CALPINE_BP_GT1 23823	50.56 0.29 -47.89	68.70 1.02 -57.42	47.91 1.30 -32.69	48.97 1.66 -28.92	64.26 1.69 -42.88	32.11 1.89 -8.98	48.53 1.25 -33.75	47.91 1.41 -32.41	40.23 1.69 -21.57	39.26 2.12 -15.99	51.41 3.35 -16.84	55.22 3.77 -16.84	44.38 3.96 -4.44	94.37 4.32 -52.75	99.23 4.42 -56.61	119.19 3.25 -85.59	182.87 3.52 -145.28	286.97 5.66 -223.69	99.87 4.59 -47.72	48.51 3.60 -5.06	45.38 2.87 -10.05	52.67 2.83 -18.79	40.22 1.84 -17.92	41.13 2.79 -9.96
CALSPAN___DRP 24200	2.26 -0.11 0.00	9.80 -0.56 -0.10	13.25 -0.77 -0.10	17.49 -0.91 0.00	18.83 -0.85 0.00	20.28 -0.96 0.00	12.97 -0.57 0.00	13.67 -0.42 0.00	16.66 -0.31 0.00	20.90 -0.25 0.00	30.77 -0.44 0.00	34.16 -0.45 0.00	34.89 -1.09 0.00	35.74 -1.56 0.00	37.79 -1.36 -0.96	29.39 -0.96 0.00	33.16 -0.92 0.00	56.04 -1.58 0.00	45.85 -1.70 0.00	38.75 -1.10 0.00	31.60 -0.86 0.00	30.16 -0.88 0.00	19.86 -0.60 0.00	27.58 -0.96 -0.17

CALVERTON___SOLAR 323806	50.61 0.34 -47.89	68.85 1.17 -57.42	48.10 1.49 -32.69	49.21 1.90 -28.92	64.57 2.00 -42.88	32.49 2.28 -8.98	48.80 1.52 -33.75	74.28 1.76 -58.42	40.61 2.06 -21.57	57.29 2.59 -33.56	53.22 4.10 -17.91	55.92 4.48 -16.84	45.08 4.66 -4.44	94.99 4.93 -52.75	99.82 5.00 -56.63	216.58 3.70 -182.54	239.07 3.99 -201.01	298.78 6.47 -234.69	270.85 5.54 -217.75	84.50 4.22 -40.43	51.99 3.45 -16.07	53.25 3.41 -18.79	40.54 2.17 -17.92	41.71 3.38 -9.96
CANDIGU_WT_PWR 323617	2.29 -0.08 0.00	9.97 -0.42 -0.13	13.45 -0.60 -0.13	17.64 -0.76 0.00	19.10 -0.58 0.00	20.70 -0.55 -0.02	13.26 -0.27 0.00	13.93 -0.16 0.00	16.95 -0.02 0.00	21.30 0.12 -0.03	31.74 0.21 -0.32	35.49 0.40 -0.48	36.54 0.05 -0.51	37.65 -0.20 -0.55	39.35 0.18 -0.97	30.70 0.06 -0.29	34.59 0.09 -0.42	59.08 0.08 -1.37	48.30 -0.38 -1.12	40.32 -0.34 -0.81	32.83 -0.16 -0.52	31.31 -0.20 -0.46	20.43 -0.07 -0.04	28.69 -0.25 -0.56
CARR STREET_E_SYR 24060	2.36 -0.02 0.00	10.20 -0.11 -0.05	13.81 -0.16 -0.05	18.15 -0.22 0.03	19.43 -0.25 0.00	21.00 -0.28 -0.04	13.45 -0.09 0.00	14.04 -0.05 0.00	16.98 0.00 0.00	21.25 0.03 -0.07	32.12 0.08 -0.84	35.95 0.11 -1.23	37.41 0.08 -1.35	38.75 0.00 -1.45	39.88 0.10 -1.59	26.22 0.04 4.17	35.21 0.02 -1.11	61.27 0.05 -3.60	50.41 -0.08 -2.93	41.89 -0.08 -2.12	33.75 -0.08 -1.37	32.13 -0.12 -1.20	20.46 -0.10 -0.10	29.10 -0.23 -0.96
CARTHAGE___PAPER 23857	-25.67 -0.23 27.82	-22.61 -0.53 32.34	-21.31 -0.79 34.45	-7.54 -1.01 24.92	18.86 -0.83 0.00	20.52 -0.78 -0.06	13.20 -0.34 0.00	13.93 -0.17 0.00	16.85 -0.12 0.00	21.15 -0.10 -0.10	32.10 -0.22 -1.11	35.97 -0.27 -1.63	34.22 -0.23 1.53	33.12 -0.24 3.94	39.85 -0.46 -2.11	-28.46 -1.19 57.62	34.66 -1.03 -1.61	61.95 -1.06 -5.39	51.61 -0.33 -4.39	43.17 0.14 -3.17	34.85 0.40 -1.99	33.07 0.28 -1.74	20.41 -0.20 -0.14	28.91 -0.79 -1.33
CASSADAGA_WT_PWR 323784	2.29 -0.09 0.00	9.93 -0.44 -0.11	13.52 -0.51 -0.11	18.09 -0.31 0.00	19.43 -0.25 0.00	20.81 -0.43 0.00	13.35 -0.18 0.00	14.11 0.01 0.00	17.36 0.39 0.00	21.82 0.67 0.00	32.19 0.98 0.00	35.87 1.26 0.00	36.69 0.71 0.00	37.64 0.34 0.00	39.35 0.26 -0.90	30.38 0.04 0.00	34.29 0.21 0.00	57.96 0.34 0.00	47.31 -0.25 0.00	39.86 0.01 0.00	32.39 -0.07 0.00	31.01 -0.03 0.00	20.40 -0.06 0.00	28.30 -0.25 -0.19
CE_DUNWOOD___DRP 24194	33.73 0.24 -31.11	40.25 0.85 -29.14	15.65 1.10 -0.64	19.78 1.38 0.00	21.09 1.40 0.00	22.83 1.59 0.00	14.58 1.04 0.00	15.27 1.17 0.00	18.38 1.41 0.00	22.94 1.79 0.00	34.08 2.87 0.00	37.81 3.20 0.00	39.42 3.44 0.00	40.98 3.67 0.00	43.62 3.71 -1.71	55.87 2.69 -22.83	58.65 2.91 -21.67	71.66 4.65 -9.39	74.28 3.78 -22.95	49.79 2.99 -6.95	43.71 2.36 -8.89	40.06 2.30 -6.71	37.40 1.56 -15.38	34.69 2.31 -4.00
CE_MILLWOOD___DRP 24193	35.16 0.23 -32.54	41.53 0.82 -30.45	15.61 1.06 -0.64	19.73 1.33 0.00	21.03 1.35 0.00	22.76 1.53 0.00	14.54 1.00 0.00	15.23 1.13 0.00	18.33 1.35 0.00	22.88 1.72 0.00	33.98 2.77 0.00	37.70 3.09 0.00	39.32 3.33 0.00	40.87 3.57 0.00	43.57 3.61 -1.77	101.90 2.61 -68.94	67.28 2.83 -30.37	71.91 4.50 -9.78	114.10 3.66 -62.89	78.27 2.88 -35.53	80.20 2.28 -45.45	67.60 2.23 -34.32	93.47 1.52 -71.49	46.41 2.24 -15.79
CE_NYC2_DRP 24202	31.82 0.29 -29.15	38.59 0.98 -27.35	15.82 1.26 -0.64	19.98 1.58 0.00	21.26 1.58 0.00	23.05 1.82 0.00	14.70 1.16 0.00	15.41 1.32 0.00	18.49 1.52 0.00	23.06 1.91 0.00	34.37 3.16 0.00	38.04 3.43 0.00	39.57 3.59 0.00	41.13 3.83 0.01	42.32 3.84 -0.29	47.76 2.73 -14.68	58.01 2.93 -21.00	69.62 4.73 -7.27	44.41 3.92 7.07	31.23 3.09 11.72	28.04 2.42 6.85	30.31 2.34 3.08	35.70 1.61 -13.63	34.55 2.44 -3.75
CE_NYC_DRP 24195	31.81 0.28 -29.16	38.57 0.96 -27.35	15.78 1.22 -0.64	19.92 1.53 0.00	21.23 1.54 0.00	23.00 1.77 0.00	14.69 1.15 0.00	15.41 1.31 0.00	18.54 1.57 0.00	23.16 2.01 0.00	34.44 3.23 0.00	38.18 3.57 0.00	39.75 3.77 0.00	41.31 4.01 0.00	43.90 4.04 -1.67	54.84 2.90 -21.59	58.22 3.14 -21.01	71.79 5.03 -9.14	73.41 4.12 -21.73	49.44 3.26 -6.33	43.12 2.57 -8.09	39.63 2.48 -6.11	36.26 1.69 -14.11	34.63 2.51 -3.75
CHAFFEE___LFGE 323603	2.27 -0.10 0.00	9.87 -0.49 -0.10	13.35 -0.67 -0.10	17.60 -0.80 0.00	18.95 -0.74 0.00	20.41 -0.82 0.00	13.06 -0.48 0.00	13.78 -0.32 0.00	16.79 -0.19 0.00	21.05 -0.10 0.00	30.99 -0.22 0.00	34.42 -0.19 0.00	35.17 -0.82 0.00	36.07 -1.24 0.00	38.04 -1.03 -0.87	29.68 -0.67 0.00	33.48 -0.60 0.00	56.48 -1.14 0.00	46.19 -1.37 0.00	39.08 -0.78 0.00	31.83 -0.63 0.00	30.37 -0.67 0.00	20.00 -0.46 0.00	27.76 -0.79 -0.18
CHATEAUG_35_KV_LOAD 355732	-2.04 -0.18 4.24	4.78 -0.54 4.94	8.05 -0.61 5.26	13.87 -0.67 3.86	19.09 -0.59 0.00	20.68 -0.55 0.00	13.07 -0.46 0.00	13.60 -0.49 0.00	16.33 -0.65 0.00	20.33 -0.82 0.00	29.62 -1.59 0.00	32.87 -1.74 0.00	20.90 -1.98 13.10	12.20 -2.02 23.08	36.17 -2.03 0.00	11.24 -1.53 17.58	32.52 -1.56 0.00	55.87 -1.75 0.00	46.27 -1.29 0.00	38.78 -1.07 0.00	31.55 -0.92 0.00	30.22 -0.83 0.00	20.03 -0.43 0.00	27.74 -0.63 0.00
CHATEAUG_WT_PWR 323614	-1.21 -0.19 3.40	5.75 -0.56 3.95	9.09 -0.63 4.21	14.73 -0.68 2.99	19.10 -0.59 0.00	20.70 -0.53 0.00	13.09 -0.45 0.00	13.61 -0.48 0.00	16.35 -0.63 0.00	20.34 -0.82 0.00	29.55 -1.66 0.00	32.83 -1.78 0.00	20.66 -1.97 13.35	11.75 -2.03 23.53	36.08 -2.11 0.00	28.78 -1.56 0.00	32.48 -1.60 0.00	55.74 -1.88 0.00	46.17 -1.39 0.00	38.63 -1.22 0.00	31.43 -1.03 0.00	30.14 -0.90 0.00	20.04 -0.42 0.00	27.77 -0.60 0.00
CHAT_HIGH_FALL_HYD 323578	-2.04 -0.18 4.24	4.78 -0.54 4.94	8.05 -0.61 5.26	13.87 -0.67 3.86	19.09 -0.59 0.00	20.68 -0.55 0.00	13.07 -0.46 0.00	13.60 -0.49 0.00	16.33 -0.65 0.00	20.33 -0.82 0.00	29.62 -1.59 0.00	32.87 -1.74 0.00	20.90 -1.98 13.10	12.20 -2.02 23.08	36.17 -2.03 0.00	11.24 -1.53 17.58	32.52 -1.56 0.00	55.87 -1.75 0.00	46.27 -1.29 0.00	38.78 -1.07 0.00	31.55 -0.92 0.00	30.22 -0.83 0.00	20.03 -0.43 0.00	27.74 -0.63 0.00
CHAUTAUQUA___LFGE 323629	2.30 -0.08 0.00	9.90 -0.47 -0.10	13.46 -0.56 -0.10	17.87 -0.53 0.00	19.20 -0.48 0.00	20.59 -0.64 0.00	13.20 -0.33 0.00	13.94 -0.16 0.00	17.08 0.11 0.00	21.44 0.29 0.00	31.63 0.42 0.00	35.22 0.61 0.00	36.04 0.05 0.00	36.94 -0.37 0.00	38.99 -0.18 -0.98	30.11 -0.24 0.00	33.96 -0.12 0.00	57.39 -0.23 0.00	46.85 -0.71 0.00	39.43 -0.42 0.00	32.10 -0.36 0.00	30.67 -0.37 0.00	20.22 -0.24 0.00	28.05 -0.50 -0.18
CHERRYST_13_KV_LD 356241	31.83 0.29 -29.16	38.61 1.00 -27.35	15.83 1.27 -0.64	19.99 1.60 0.00	21.31 1.62 0.00	23.08 1.85 0.00	14.75 1.21 0.00	15.48 1.38 0.00	18.63 1.66 0.00	23.28 2.13 0.00	34.62 3.41 0.00	38.38 3.77 0.00	39.97 3.98 0.00	41.53 4.22 0.00	44.13 4.27 -1.67	55.02 3.08 -21.59	58.41 3.33 -21.01	72.11 5.35 -9.14	73.68 4.39 -21.73	49.64 3.46 -6.33	43.27 2.72 -8.09	39.77 2.62 -6.11	36.34 1.76 -14.11	34.73 2.61 -3.75

CHESTROR_138KV_BK263 355645	-25.74 0.19 28.31	-14.41 0.67 25.34	15.37 0.86 -0.58	19.48 1.09 0.00	20.78 1.10 0.00	22.48 1.24 0.00	14.37 0.83 0.00	15.02 0.93 0.00	18.09 1.12 0.00	22.59 1.44 0.00	33.47 2.26 0.00	37.16 2.55 0.00	38.79 2.81 0.00	40.32 3.01 0.00	50.71 3.11 -9.40	82.15 2.27 -49.53	148.51 2.45 -111.99	119.04 3.93 -57.49	123.44 3.17 -72.71	35.71 2.50 6.64	25.92 1.96 8.50	26.53 1.90 6.42	7.15 1.31 14.62	28.57 1.89 1.70
CH_MIDHUDSON___DRP 24192	7.59 0.22 -5.00	16.29 0.79 -5.24	15.60 1.02 -0.66	19.69 1.29 0.00	21.00 1.31 0.00	22.73 1.49 0.00	14.53 0.99 0.00	15.21 1.11 0.00	18.31 1.33 0.00	22.87 1.72 0.00	33.96 2.75 0.00	37.67 3.06 0.00	39.31 3.33 0.00	40.88 3.58 0.00	42.88 3.67 -1.01	40.44 2.71 -7.38	48.12 2.92 -11.13	67.66 4.78 -5.26	58.93 3.88 -7.49	42.95 3.10 0.00	34.93 2.47 0.00	33.46 2.42 0.00	22.64 1.65 -0.53	31.87 2.35 -1.15
CH_MISC_IPPS 23765	2.61 0.23 0.00	11.74 0.83 -0.65	15.63 1.07 -0.64	19.74 1.35 0.00	21.05 1.37 0.00	22.78 1.55 0.00	14.57 1.03 0.00	15.25 1.16 0.00	18.37 1.41 0.00	23.03 1.88 0.00	34.19 2.98 0.00	37.98 3.37 0.00	39.66 3.68 0.00	41.27 3.97 0.00	43.32 4.12 -1.01	40.74 3.06 -7.34	48.38 3.26 -11.05	67.96 5.28 -5.06	59.05 4.29 -7.20	43.26 3.41 0.00	35.17 2.70 0.00	33.67 2.62 0.00	22.46 1.77 -0.23	32.00 2.50 -1.13
CH_RES_BVR_FALLS 23983	2.30 -0.08 0.00	10.04 -0.22 0.00	13.63 -0.28 0.00	18.10 -0.33 -0.04	19.37 -0.31 0.00	20.91 -0.33 0.00	13.30 -0.24 0.00	13.87 -0.23 0.00	16.67 -0.30 0.00	20.80 -0.36 0.00	30.61 -0.60 0.00	33.95 -0.66 0.00	42.19 -0.70 -6.91	48.84 -0.64 -12.18	37.52 -0.67 0.00	35.46 -0.55 -5.66	33.49 -0.59 0.00	56.71 -0.91 0.00	46.96 -0.60 0.00	39.40 -0.45 0.00	32.09 -0.37 0.00	30.67 -0.38 0.00	20.17 -0.29 0.00	27.94 -0.44 0.00
CH_RES_NIAGARA 23895	2.19 -0.18 0.00	9.47 -0.88 -0.09	12.77 -1.24 -0.09	16.80 -1.60 0.00	18.05 -1.63 0.00	19.43 -1.81 0.00	12.40 -1.14 0.00	13.06 -1.04 0.00	15.87 -1.10 0.00	19.88 -1.27 0.00	29.18 -2.03 0.00	32.33 -2.28 0.00	32.96 -3.03 0.00	33.67 -3.63 0.00	34.27 -3.57 0.36	27.79 -2.56 0.00	31.36 -2.72 0.00	52.93 -4.69 0.00	43.31 -4.25 0.00	36.70 -3.15 0.00	30.05 -2.41 0.00	28.77 -2.27 0.00	18.94 -1.52 0.00	26.31 -2.22 -0.16
CH_RES_SYRACUSE 23985	2.38 0.00 0.00	10.29 -0.02 -0.06	13.93 -0.04 -0.06	18.31 -0.06 0.03	19.59 -0.09 0.00	21.21 -0.10 -0.08	13.57 0.03 0.00	14.17 0.08 0.00	17.12 0.15 0.00	21.48 0.20 -0.13	33.07 0.33 -1.53	37.23 0.38 -2.24	38.81 0.35 -2.47	40.23 0.28 -2.64	41.49 0.40 -2.90	27.66 0.30 2.98	36.41 0.32 -2.01	64.65 0.54 -6.49	53.17 0.33 -5.28	43.95 0.28 -3.82	35.14 0.21 -2.46	33.33 0.13 -2.16	20.70 0.06 -0.18	30.04 0.00 -1.67
CLINTON_WT_PWR 323605	-1.21 -0.19 3.40	5.75 -0.56 3.95	9.09 -0.63 4.21	14.73 -0.68 2.99	19.10 -0.59 0.00	20.70 -0.53 0.00	13.09 -0.45 0.00	13.61 -0.48 0.00	16.35 -0.63 0.00	20.34 -0.82 0.00	29.55 -1.66 0.00	32.83 -1.78 0.00	20.66 -1.97 13.35	11.75 -2.03 23.53	36.08 -2.11 0.00	28.78 -1.56 0.00	32.48 -1.60 0.00	55.74 -1.88 0.00	46.17 -1.39 0.00	38.63 -1.22 0.00	31.43 -1.03 0.00	30.14 -0.90 0.00	20.04 -0.42 0.00	27.77 -0.60 0.00
CLINTON___LFGE 323618	-1.40 -0.16 3.62	5.61 -0.44 4.21	8.95 -0.49 4.48	14.68 -0.49 3.22	19.32 -0.36 0.00	20.96 -0.27 0.00	13.28 -0.26 0.00	13.81 -0.28 0.00	16.53 -0.44 0.00	20.52 -0.64 0.00	29.64 -1.57 0.00	33.00 -1.62 0.00	20.91 -1.79 13.28	12.02 -1.87 23.41	36.24 -1.95 0.00	23.61 -1.43 5.30	32.66 -1.41 0.00	56.49 -1.13 0.00	46.56 -0.99 0.00	38.89 -0.96 0.00	31.65 -0.82 0.00	30.43 -0.61 0.00	20.31 -0.15 0.00	28.14 -0.23 0.00
COBBLENY_34_KV_TB1 80064	2.28 -0.10 0.00	9.87 -0.49 -0.10	13.35 -0.67 -0.10	17.59 -0.80 0.00	18.94 -0.74 0.00	20.40 -0.83 0.00	13.05 -0.48 0.00	13.77 -0.32 0.00	16.78 -0.19 0.00	21.05 -0.10 0.00	30.98 -0.23 0.00	34.41 -0.19 0.00	35.16 -0.82 0.00	36.05 -1.26 0.00	38.00 -1.07 -0.87	29.62 -0.73 0.00	33.43 -0.64 0.00	56.47 -1.15 0.00	46.19 -1.36 0.00	39.06 -0.80 0.00	31.83 -0.63 0.00	30.37 -0.68 0.00	19.99 -0.48 0.00	27.75 -0.80 -0.18
COFFEEN___115KV_TB3 355620	-20.68 -0.19 22.87	-16.81 -0.49 26.57	-15.10 -0.72 28.30	-3.00 -0.91 20.49	18.96 -0.72 0.00	20.63 -0.67 -0.07	13.28 -0.26 0.00	14.03 -0.07 0.00	17.00 0.03 0.00	21.35 0.08 -0.11	32.66 0.11 -1.33	36.62 0.05 -1.96	35.51 0.11 0.59	34.78 0.01 2.53	40.54 -0.19 -2.54	-18.34 -1.20 47.49	34.97 -0.99 -1.88	62.86 -0.97 -6.21	52.25 -0.36 -5.05	43.67 0.17 -3.65	35.33 0.55 -2.31	33.48 0.41 -2.03	20.51 -0.12 -0.17	29.22 -0.69 -1.53
COLDSPRG_115KV_BK1 355956	2.32 -0.06 0.00	10.12 -0.25 -0.11	13.75 -0.27 -0.11	18.25 -0.15 0.00	19.62 -0.07 0.00	21.11 -0.13 0.00	13.53 -0.01 0.00	14.28 0.18 0.00	17.47 0.50 0.00	21.95 0.80 0.00	32.34 1.13 0.00	36.00 1.39 0.00	36.82 0.84 0.00	37.81 0.50 0.00	39.38 0.40 -0.78	30.53 0.19 0.00	34.39 0.32 0.00	58.14 0.52 0.00	47.38 -0.18 0.00	39.91 0.06 0.00	32.60 0.13 0.00	31.18 0.13 0.00	20.53 0.07 0.00	28.60 0.04 -0.19
COLONIE_LFGE___ 323577	7.43 0.15 -4.90	16.14 0.55 -5.33	15.49 0.74 -0.84	19.36 0.97 0.00	20.70 1.01 0.00	22.30 1.07 0.00	14.27 0.74 0.00	14.88 0.78 0.00	17.86 0.89 0.00	22.19 1.04 0.00	32.78 1.57 0.00	36.32 1.71 0.00	37.97 1.99 0.00	39.39 2.08 0.00	40.46 1.90 -0.36	34.05 1.40 -2.30	40.02 1.49 -4.45	62.51 2.61 -2.28	52.98 2.17 -3.25	41.62 1.76 0.00	33.93 1.47 0.00	32.58 1.53 0.00	21.91 1.08 -0.37	31.31 1.48 -1.46
COOPERNY_115KV_TB1 80082	-8.70 0.14 11.22	0.92 0.49 9.83	14.99 0.63 -0.44	19.19 0.80 0.00	20.49 0.80 0.00	22.13 0.90 0.00	14.15 0.61 0.00	14.77 0.68 0.00	17.78 0.81 0.00	22.20 1.05 0.00	32.88 1.67 0.00	36.51 1.90 0.00	38.07 2.09 0.00	39.53 2.23 0.00	39.85 2.29 0.64	24.26 1.68 7.76	26.77 1.80 9.11	55.93 2.96 4.65	39.62 2.36 10.30	39.04 1.85 2.67	30.49 1.44 3.41	29.86 1.39 2.58	15.41 0.97 6.01	29.37 1.34 0.34
COPENHAGEN_WT_PWR 323753	-19.39 -0.23 21.54	-15.44 -0.66 25.03	-13.70 -0.95 26.66	-2.10 -1.19 19.31	18.69 -1.00 0.00	20.34 -0.97 -0.07	13.09 -0.45 0.00	13.86 -0.23 0.00	16.80 -0.18 0.00	21.09 -0.18 -0.12	32.28 -0.32 -1.39	36.23 -0.43 -2.05	35.32 -0.33 0.33	34.79 -0.36 2.16	40.29 -0.56 -2.65	-15.89 -1.45 44.79	34.67 -1.36 -1.95	62.53 -1.52 -6.43	51.98 -0.81 -5.23	43.39 -0.24 -3.78	34.95 0.09 -2.40	33.13 -0.01 -2.10	20.23 -0.41 -0.17	28.88 -1.08 -1.59
CORNELL_____ 23752	2.44 0.06 0.00	10.59 0.19 -0.14	14.31 0.26 -0.14	18.73 0.33 0.00	20.02 0.33 0.00	21.66 0.38 -0.04	13.87 0.33 0.00	14.52 0.43 0.00	17.57 0.60 0.00	22.05 0.83 -0.07	33.28 1.29 -0.78	37.15 1.36 -1.18	38.53 1.25 -1.29	39.93 1.24 -1.38	41.28 1.49 -1.60	32.26 1.17 -0.74	36.51 1.39 -1.05	63.38 2.36 -3.40	52.17 1.85 -2.76	43.37 1.52 -2.00	34.97 1.22 -1.29	33.25 1.07 -1.13	21.23 0.67 -0.09	30.23 0.79 -1.06

CORONA_69_KV_TB1 355595	50.58 0.31 -47.89	68.80 1.12 -57.42	48.05 1.44 -32.69	49.17 1.86 -28.92	64.46 1.89 -42.88	32.33 2.12 -8.97	48.66 1.38 -33.74	47.37 1.52 -31.75	40.35 1.81 -21.57	39.08 2.20 -15.73	51.57 3.54 -16.82	55.34 3.89 -16.84	44.58 4.16 -4.44	94.49 4.43 -52.75	99.36 4.55 -56.61	121.01 3.37 -87.29	202.63 3.68 -164.87	301.05 5.96 -237.47	100.08 4.82 -47.70	50.12 3.81 -6.46	45.61 3.00 -10.14	52.79 2.96 -18.78	40.34 1.96 -17.92	41.22 2.88 -9.96
CORTLAND_115KV_TB3 80093	2.42 0.04 0.00	10.52 0.13 -0.13	14.22 0.18 -0.13	18.60 0.23 0.03	19.92 0.24 0.00	21.54 0.27 -0.04	13.79 0.25 0.00	14.41 0.31 0.00	17.42 0.45 0.00	21.84 0.62 -0.07	32.99 0.99 -0.79	36.85 1.07 -1.17	38.26 0.99 -1.29	39.62 0.94 -1.38	40.92 1.16 -1.56	28.10 0.89 3.14	36.18 1.04 -1.06	62.87 1.82 -3.43	51.75 1.40 -2.79	42.98 1.11 -2.02	34.68 0.90 -1.31	32.99 0.80 -1.14	21.07 0.51 -0.10	30.03 0.60 -1.05
COXSACKIE___GT 23611	2.59 0.21 0.00	11.95 0.91 -0.78	15.90 1.21 -0.77	19.99 1.59 0.00	21.36 1.67 0.00	23.00 1.77 0.00	14.75 1.21 0.00	15.31 1.22 0.00	18.27 1.30 0.00	22.63 1.48 0.00	33.17 1.96 0.00	36.37 1.76 0.00	37.94 1.96 0.00	39.55 2.24 0.00	41.53 2.94 -0.40	35.97 2.88 -2.74	41.40 2.67 -4.65	63.82 4.03 -2.17	54.41 3.76 -3.09	43.15 3.30 0.00	35.19 2.73 0.00	33.67 2.63 0.00	22.49 1.83 -0.19	32.30 2.57 -1.35
CPV_VALLEY___CC1 323721	-14.97 0.17 17.52	-4.67 0.58 15.51	15.20 0.75 -0.53	19.32 0.93 0.00	20.62 0.93 0.00	22.30 1.06 0.00	14.25 0.72 0.00	14.90 0.80 0.00	17.92 0.95 0.00	22.38 1.23 0.00	33.16 1.95 0.00	36.81 2.20 0.00	38.40 2.42 0.00	39.90 2.59 0.00	40.15 2.65 0.69	21.98 1.92 10.28	25.65 2.07 10.50	55.66 3.36 5.32	36.96 2.70 13.30	37.82 2.12 4.15	28.78 1.64 5.31	28.61 1.58 4.01	12.20 1.12 9.38	29.16 1.58 0.79
CPV_VALLEY___CC2 323722	-14.97 0.17 17.52	-4.67 0.58 15.51	15.20 0.75 -0.53	19.32 0.93 0.00	20.62 0.93 0.00	22.30 1.06 0.00	14.25 0.72 0.00	14.90 0.80 0.00	17.92 0.95 0.00	22.38 1.23 0.00	33.16 1.95 0.00	36.81 2.20 0.00	38.40 2.42 0.00	39.90 2.59 0.00	40.15 2.65 0.69	21.98 1.92 10.28	25.65 2.07 10.50	55.66 3.36 5.32	36.96 2.70 13.30	37.82 2.12 4.15	28.78 1.64 5.31	28.61 1.58 4.01	12.20 1.12 9.38	29.16 1.58 0.79
CRESCENT___HYD 24018	7.43 0.15 -4.90	16.14 0.55 -5.33	15.49 0.74 -0.84	19.36 0.97 0.00	20.70 1.01 0.00	22.30 1.07 0.00	14.27 0.74 0.00	14.88 0.78 0.00	17.86 0.89 0.00	22.19 1.04 0.00	32.78 1.57 0.00	36.32 1.71 0.00	37.97 1.99 0.00	39.39 2.08 0.00	40.46 1.90 -0.36	34.05 1.40 -2.30	40.02 1.49 -4.45	62.51 2.61 -2.28	52.98 2.17 -3.25	41.62 1.76 0.00	33.93 1.47 0.00	32.58 1.53 0.00	21.91 1.08 -0.37	31.31 1.48 -1.46
CRICKET___VALLEY_CC1 323756	14.56 0.19 -11.99	22.60 0.67 -11.67	15.47 0.87 -0.69	19.50 1.11 0.00	20.81 1.12 0.00	22.56 1.33 0.00	14.43 0.89 0.00	15.09 0.99 0.00	18.16 1.19 0.00	22.62 1.47 0.00	33.60 2.39 0.00	37.16 2.55 0.00	38.79 2.81 0.00	40.30 3.00 0.00	42.36 3.00 -1.16	45.50 2.20 -12.95	50.25 2.37 -13.80	67.35 3.82 -5.91	63.00 3.08 -12.36	45.18 2.47 -2.86	38.13 2.00 -3.66	35.83 2.02 -2.77	28.56 1.42 -6.68	32.81 2.05 -2.39
CRICKET___VALLEY_CC2 323757	14.56 0.19 -11.99	22.60 0.67 -11.67	15.47 0.87 -0.69	19.50 1.11 0.00	20.81 1.12 0.00	22.56 1.33 0.00	14.43 0.89 0.00	15.09 0.99 0.00	18.16 1.19 0.00	22.62 1.47 0.00	33.60 2.39 0.00	37.16 2.55 0.00	38.79 2.81 0.00	40.30 3.00 0.00	42.36 3.00 -1.16	45.50 2.20 -12.95	50.25 2.37 -13.80	67.35 3.82 -5.91	63.00 3.08 -12.36	45.18 2.47 -2.86	38.13 2.00 -3.66	35.83 2.02 -2.77	28.56 1.42 -6.68	32.81 2.05 -2.39
CRICKET___VALLEY_CC3 323758	14.56 0.19 -11.99	22.60 0.67 -11.67	15.47 0.87 -0.69	19.50 1.11 0.00	20.81 1.12 0.00	22.56 1.33 0.00	14.43 0.89 0.00	15.09 0.99 0.00	18.16 1.19 0.00	22.62 1.47 0.00	33.60 2.39 0.00	37.16 2.55 0.00	38.79 2.81 0.00	40.30 3.00 0.00	42.36 3.00 -1.16	45.50 2.20 -12.95	50.25 2.37 -13.80	67.35 3.82 -5.91	63.00 3.08 -12.36	45.18 2.47 -2.86	38.13 2.00 -3.66	35.83 2.02 -2.77	28.56 1.42 -6.68	32.81 2.05 -2.39
CRUCIBLE_METL_DRP 24180	2.38 0.00 0.00	10.29 -0.02 -0.06	13.93 -0.04 -0.06	18.30 -0.06 0.03	19.59 -0.09 0.00	21.21 -0.11 -0.08	13.57 0.03 0.00	14.17 0.08 0.00	17.12 0.15 0.00	21.48 0.20 -0.13	33.07 0.33 -1.53	37.23 0.38 -2.24	38.81 0.35 -2.47	40.23 0.28 -2.64	41.49 0.39 -2.90	27.66 0.29 2.98	36.41 0.32 -2.01	64.65 0.54 -6.49	53.17 0.33 -5.28	43.95 0.28 -3.82	35.14 0.21 -2.46	33.33 0.13 -2.16	20.70 0.06 -0.18	30.04 0.00 -1.67
DAHOWA___HYDRO 323763	7.12 0.16 -4.58	15.96 0.65 -5.05	15.69 0.92 -0.85	19.61 1.22 0.00	20.98 1.29 0.00	22.62 1.39 0.00	14.49 0.95 0.00	15.10 1.00 0.00	18.10 1.13 0.00	22.41 1.26 0.00	33.01 1.80 0.00	36.64 2.03 0.00	38.46 2.48 0.00	39.95 2.64 0.00	40.92 2.39 -0.34	34.24 1.76 -2.14	40.19 1.98 -4.14	63.49 3.74 -2.12	53.90 3.32 -3.02	42.53 2.68 0.00	34.69 2.22 0.00	33.25 2.20 0.00	22.27 1.47 -0.34	31.79 1.93 -1.49
DANC___LFGE 323619	-12.07 -0.16 14.29	-6.82 -0.49 16.59	-4.46 -0.70 17.67	4.69 -0.89 12.81	18.89 -0.80 0.00	20.52 -0.80 -0.09	13.17 -0.37 0.00	13.86 -0.23 0.00	16.78 -0.19 0.00	21.08 -0.22 -0.15	32.59 -0.34 -1.72	36.72 -0.42 -2.53	36.67 -0.36 -1.05	36.77 -0.44 0.09	40.91 -0.55 -3.27	-0.70 -1.08 29.97	35.37 -1.04 -2.34	64.00 -1.26 -7.63	52.95 -0.81 -6.21	43.95 -0.39 -4.49	35.20 -0.13 -2.87	33.37 -0.19 -2.51	20.28 -0.39 -0.21	29.37 -0.90 -1.90
DANSKAMMER___1 23586	2.61 0.23 0.00	11.74 0.83 -0.65	15.63 1.07 -0.64	19.74 1.35 0.00	21.05 1.37 0.00	22.78 1.55 0.00	14.57 1.03 0.00	15.25 1.16 0.00	18.37 1.41 0.00	23.03 1.88 0.00	34.19 2.98 0.00	37.98 3.37 0.00	39.66 3.68 0.00	41.27 3.97 0.00	43.32 4.12 -1.01	40.74 3.06 -7.34	48.38 3.26 -11.05	67.96 5.28 -5.06	59.05 4.29 -7.20	43.26 3.41 0.00	35.17 2.70 0.00	33.67 2.62 0.00	22.46 1.77 -0.23	32.00 2.50 -1.13
DANSKAMMER___2 23589	2.61 0.23 0.00	11.74 0.83 -0.65	15.63 1.07 -0.64	19.74 1.35 0.00	21.05 1.37 0.00	22.78 1.55 0.00	14.57 1.03 0.00	15.25 1.16 0.00	18.37 1.41 0.00	23.03 1.88 0.00	34.19 2.98 0.00	37.98 3.37 0.00	39.66 3.68 0.00	41.27 3.97 0.00	43.32 4.12 -1.01	40.74 3.06 -7.34	48.38 3.26 -11.05	67.96 5.28 -5.06	59.05 4.29 -7.20	43.26 3.41 0.00	35.17 2.70 0.00	33.67 2.62 0.00	22.46 1.77 -0.23	32.00 2.50 -1.13
DANSKAMMER___3 23590	2.61 0.23 0.00	11.74 0.83 -0.65	15.63 1.07 -0.64	19.74 1.35 0.00	21.05 1.37 0.00	22.78 1.55 0.00	14.57 1.03 0.00	15.25 1.16 0.00	18.37 1.41 0.00	23.03 1.88 0.00	34.19 2.98 0.00	37.98 3.37 0.00	39.66 3.68 0.00	41.27 3.97 0.00	43.32 4.12 -1.01	40.74 3.06 -7.34	48.38 3.26 -11.05	67.96 5.28 -5.06	59.05 4.29 -7.20	43.26 3.41 0.00	35.17 2.70 0.00	33.67 2.62 0.00	22.46 1.77 -0.23	32.00 2.50 -1.13

DANSKAMMER___4 23591	2.61 0.23 0.00	11.74 0.83 -0.65	15.63 1.07 -0.64	19.74 1.35 0.00	21.05 1.37 0.00	22.78 1.55 0.00	14.57 1.03 0.00	15.25 1.16 0.00	18.37 1.41 0.00	23.03 1.88 0.00	34.19 2.98 0.00	37.98 3.37 0.00	39.66 3.68 0.00	41.27 3.97 0.00	43.32 4.12 -1.01	40.74 3.06 -7.34	48.38 3.26 -11.05	67.96 5.28 -5.06	59.05 4.29 -7.20	43.26 3.41 0.00	35.17 2.70 0.00	33.67 2.62 0.00	22.46 1.77 -0.23	32.00 2.50 -1.13
DANSKAMMER___DIESEL 23592	2.61 0.23 0.00	11.73 0.83 -0.65	15.63 1.07 -0.64	19.75 1.35 0.00	21.05 1.37 0.00	22.78 1.55 0.00	14.57 1.03 0.00	15.25 1.16 0.00	18.38 1.41 0.00	23.03 1.88 0.00	34.19 2.98 0.00	37.98 3.37 0.00	39.66 3.68 0.00	41.28 3.97 0.00	43.32 4.12 -1.01	40.74 3.06 -7.34	48.38 3.26 -11.05	67.96 5.28 -5.06	59.04 4.29 -7.20	43.26 3.41 0.00	35.17 2.70 0.00	33.67 2.62 0.00	22.46 1.77 -0.23	32.00 2.50 -1.13
DARBY___SOLAR 323810	7.16 0.15 -4.63	15.97 0.61 -5.09	15.62 0.86 -0.85	19.54 1.14 0.00	20.90 1.21 0.00	22.53 1.30 0.00	14.43 0.89 0.00	15.04 0.94 0.00	18.03 1.06 0.00	22.33 1.18 0.00	32.89 1.68 0.00	36.50 1.89 0.00	38.31 2.32 0.00	39.80 2.49 0.00	40.77 2.23 -0.34	34.16 1.66 -2.16	40.13 1.86 -4.19	63.27 3.51 -2.14	53.71 3.10 -3.05	42.35 2.50 0.00	34.54 2.08 0.00	33.11 2.07 0.00	22.20 1.39 -0.35	31.70 1.84 -1.48
DASHVILLE___HYD 23610	2.59 0.22 0.00	11.70 0.76 -0.67	15.57 0.98 -0.67	19.65 1.25 0.00	20.95 1.26 0.00	22.67 1.44 0.00	14.49 0.95 0.00	15.17 1.08 0.00	18.28 1.31 0.00	22.88 1.73 0.00	33.98 2.77 0.00	37.79 3.19 0.00	39.47 3.49 0.00	41.05 3.75 0.00	42.59 3.87 -0.53	37.25 2.84 -4.07	42.68 3.07 -5.53	64.31 4.58 -2.12	54.28 3.71 -3.02	42.80 2.95 0.00	34.78 2.31 0.00	33.32 2.27 0.00	21.99 1.53 0.00	31.67 2.12 -1.17
DEERFIELD_69_KV_DEERFIELD LD 355887	50.62 0.35 -47.89	68.93 1.25 -57.42	48.20 1.59 -32.69	49.45 2.14 -28.92	65.02 2.45 -42.88	33.02 2.81 -8.97	49.17 1.89 -33.74	74.65 2.18 -58.38	41.10 2.56 -21.57	57.95 3.18 -33.62	54.09 4.97 -17.91	56.77 5.33 -16.84	46.02 5.60 -4.44	95.88 5.83 -52.75	100.62 5.80 -56.63	217.66 4.33 -182.98	240.60 4.65 -201.87	300.33 7.50 -235.21	273.17 6.25 -219.36	85.30 4.68 -40.77	52.35 3.79 -16.09	53.67 3.83 -18.79	40.84 2.46 -17.92	42.13 3.80 -9.96
DELAWARE___LFGE 323621	2.49 0.11 0.00	10.91 0.40 -0.26	14.72 0.54 -0.26	19.10 0.71 0.00	20.39 0.71 0.00	22.02 0.77 -0.01	14.08 0.54 0.00	14.65 0.56 0.00	17.66 0.69 0.00	22.06 0.88 -0.02	32.95 1.44 -0.30	37.40 2.15 -0.64	38.09 1.70 -0.41	39.47 1.72 -0.44	40.54 1.81 -0.54	32.08 1.38 -0.35	35.99 1.51 -0.41	61.24 2.53 -1.09	50.46 2.02 -0.89	42.12 1.62 -0.64	34.18 1.30 -0.41	32.64 1.24 -0.36	21.33 0.84 -0.03	30.21 1.13 -0.71
DERFIELD_115KV_TB7 355931	4.92 0.03 -2.52	13.28 0.10 -2.92	17.16 0.12 -3.11	20.76 0.17 -2.20	19.85 0.16 0.00	21.41 0.17 0.00	13.67 0.14 0.00	14.25 0.15 0.00	17.14 0.17 0.00	21.37 0.21 0.00	31.55 0.34 0.00	35.00 0.39 0.00	37.11 0.43 -0.70	38.96 0.43 -1.23	38.62 0.42 0.00	27.62 0.30 3.02	34.37 0.29 0.00	58.09 0.47 0.00	47.93 0.38 0.00	40.13 0.28 0.00	32.71 0.24 0.00	31.29 0.25 0.00	20.64 0.18 0.00	28.62 0.24 0.00
DOGLEVILLE___HYD 23807	5.00 0.10 -2.52	13.58 0.40 -2.92	17.55 0.52 -3.11	21.27 0.67 -2.20	20.34 0.66 0.00	21.91 0.67 0.00	14.04 0.50 0.00	14.57 0.47 0.00	17.38 0.41 0.00	21.54 0.39 0.00	32.00 0.79 0.00	35.79 1.19 0.00	38.05 1.37 -0.70	39.69 1.16 -1.23	39.43 1.24 0.00	28.27 0.95 3.02	35.03 0.96 0.00	59.81 2.19 0.00	49.39 1.84 0.00	41.28 1.42 0.00	33.70 1.24 0.00	32.27 1.23 0.00	21.32 0.86 0.00	29.52 1.15 0.00
DUNKIRK___115KV_TB_200 55889	2.30 -0.08 0.00	9.88 -0.48 -0.10	13.44 -0.58 -0.10	17.82 -0.57 0.00	19.16 -0.52 0.00	20.56 -0.67 0.00	13.18 -0.36 0.00	13.91 -0.19 0.00	17.04 0.06 0.00	21.38 0.23 0.00	31.52 0.31 0.00	35.11 0.50 0.00	35.92 -0.06 0.00	36.82 -0.48 0.00	38.89 -0.29 -0.99	30.03 -0.32 0.00	33.88 -0.20 0.00	57.28 -0.34 0.00	46.76 -0.80 0.00	39.35 -0.50 0.00	32.04 -0.42 0.00	30.60 -0.44 0.00	20.18 -0.29 0.00	28.01 -0.55 -0.18
DUNKIRK___1 23563	2.30 -0.08 0.00	9.88 -0.48 -0.10	13.44 -0.58 -0.10	17.82 -0.57 0.00	19.16 -0.52 0.00	20.56 -0.67 0.00	13.18 -0.36 0.00	13.91 -0.19 0.00	17.04 0.06 0.00	21.38 0.23 0.00	31.52 0.31 0.00	35.11 0.50 0.00	35.92 -0.06 0.00	36.82 -0.48 0.00	38.89 -0.29 -0.99	30.03 -0.32 0.00	33.88 -0.20 0.00	57.28 -0.34 0.00	46.76 -0.80 0.00	39.35 -0.50 0.00	32.04 -0.42 0.00	30.60 -0.44 0.00	20.18 -0.29 0.00	28.01 -0.55 -0.18
DUNKIRK___2 23564	2.30 -0.08 0.00	9.88 -0.48 -0.10	13.44 -0.58 -0.10	17.82 -0.57 0.00	19.16 -0.52 0.00	20.56 -0.67 0.00	13.18 -0.36 0.00	13.91 -0.19 0.00	17.04 0.06 0.00	21.38 0.23 0.00	31.52 0.31 0.00	35.11 0.50 0.00	35.92 -0.06 0.00	36.82 -0.48 0.00	38.89 -0.29 -0.99	30.03 -0.32 0.00	33.88 -0.20 0.00	57.28 -0.34 0.00	46.76 -0.80 0.00	39.35 -0.50 0.00	32.04 -0.42 0.00	30.60 -0.44 0.00	20.18 -0.29 0.00	28.01 -0.55 -0.18
DUNKIRK___3 23565	2.29 -0.09 0.00	9.85 -0.51 -0.10	13.38 -0.64 -0.10	17.70 -0.69 0.00	19.04 -0.64 0.00	20.46 -0.78 0.00	13.10 -0.44 0.00	13.82 -0.28 0.00	16.89 -0.08 0.00	21.20 0.05 0.00	31.24 0.02 0.00	34.76 0.14 0.00	35.55 -0.43 0.00	36.44 -0.86 0.00	38.59 -0.64 -1.04	29.82 -0.53 0.00	33.64 -0.44 0.00	56.85 -0.77 0.00	46.42 -1.14 0.00	39.10 -0.76 0.00	31.84 -0.63 0.00	30.40 -0.64 0.00	20.04 -0.42 0.00	27.84 -0.72 -0.18
DUNKIRK___4 23566	2.29 -0.09 0.00	9.85 -0.51 -0.10	13.38 -0.64 -0.10	17.70 -0.69 0.00	19.04 -0.64 0.00	20.46 -0.78 0.00	13.10 -0.44 0.00	13.82 -0.28 0.00	16.89 -0.08 0.00	21.20 0.05 0.00	31.24 0.02 0.00	34.76 0.14 0.00	35.55 -0.43 0.00	36.44 -0.86 0.00	38.59 -0.64 -1.04	29.82 -0.53 0.00	33.64 -0.44 0.00	56.85 -0.77 0.00	46.42 -1.14 0.00	39.10 -0.76 0.00	31.84 -0.63 0.00	30.40 -0.64 0.00	20.04 -0.42 0.00	27.84 -0.72 -0.18
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	31.76 0.26 -29.12	38.47 0.89 -27.32	15.70 1.14 -0.64	19.85 1.45 0.00	21.15 1.46 0.00	22.89 1.66 0.00	14.62 1.09 0.00	15.32 1.23 0.00	18.43 1.46 0.00	23.00 1.85 0.00	34.19 2.98 0.00	37.92 3.31 0.00	39.52 3.54 0.00	41.08 3.77 0.00	43.69 3.83 -1.67	54.69 2.77 -21.57	58.07 3.00 -20.99	71.54 4.79 -9.13	73.19 3.92 -21.71	49.26 3.09 -6.32	42.99 2.44 -8.08	39.53 2.38 -6.10	36.18 1.62 -14.10	34.51 2.40 -3.74
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	-6.12 0.21 8.71	3.65 0.75 7.36	15.50 0.96 -0.62	19.61 1.22 0.00	20.91 1.23 0.00	22.63 1.39 0.00	14.46 0.92 0.00	15.13 1.04 0.00	18.23 1.26 0.00	22.79 1.64 0.00	33.80 2.59 0.00	37.54 2.93 0.00	39.19 3.21 0.00	40.77 3.46 0.00	42.71 3.61 -0.91	36.30 2.64 -3.31	46.28 2.84 -9.37	66.63 4.56 -4.45	54.61 3.70 -3.36	40.63 2.94 2.16	32.00 2.31 2.77	31.20 2.24 2.09	17.22 1.52 4.77	30.71 2.15 -0.19

E179THST_138_KV_TB4_REV_LBMP_J 345001	31.84 0.31 -29.15	38.61 1.00 -27.35	15.82 1.26 -0.64	19.97 1.58 0.00	21.25 1.57 0.00	23.08 1.84 0.00	14.73 1.19 0.00	15.44 1.35 0.00	18.51 1.54 0.00	23.10 1.95 0.00	34.39 3.18 0.00	38.01 3.40 0.00	39.60 3.61 0.00	41.18 3.89 0.01	43.77 3.92 -1.66	54.74 2.80 -21.59	58.10 3.01 -21.01	71.62 4.86 -9.15	73.33 4.04 -21.73	49.38 3.19 -6.33	43.05 2.50 -8.09	39.57 2.42 -6.10	36.21 1.64 -14.10	34.59 2.47 -3.75
E179THST_13_KV_LOAD 356214	31.86 0.32 -29.15	38.68 1.07 -27.35	15.91 1.35 -0.64	20.09 1.69 0.00	21.39 1.70 0.00	23.22 1.99 0.00	14.82 1.28 0.00	15.54 1.45 0.00	18.64 1.67 0.00	23.26 2.11 0.00	34.63 3.41 0.00	38.28 3.67 0.00	39.89 3.91 0.00	41.49 4.19 0.01	44.09 4.23 -1.66	55.00 3.06 -21.59	58.39 3.30 -21.01	72.12 5.36 -9.15	73.73 4.44 -21.73	49.71 3.53 -6.33	43.32 2.77 -8.09	39.82 2.67 -6.10	36.36 1.79 -14.10	34.80 2.69 -3.75
EAST HAMPTON___GT 23717	50.60 0.33 -47.89	68.85 1.17 -57.42	48.08 1.47 -32.69	49.45 2.14 -28.92	65.28 2.71 -42.88	33.42 3.20 -8.98	49.46 2.18 -33.75	74.96 2.49 -58.37	41.41 2.86 -21.57	58.22 3.45 -33.62	54.42 5.30 -17.91	56.98 5.54 -16.84	46.27 5.85 -4.44	95.95 5.90 -52.75	100.44 5.62 -56.63	217.50 4.14 -183.01	240.36 4.35 -201.93	299.76 6.88 -235.25	272.68 5.65 -219.48	84.71 4.06 -40.79	51.91 3.35 -16.10	53.46 3.62 -18.79	40.77 2.39 -17.92	42.11 3.78 -9.96
EAST RIVER___6 23660	31.82 0.28 -29.16	38.56 0.95 -27.35	15.77 1.21 -0.64	19.90 1.51 0.00	21.20 1.52 0.00	22.97 1.74 0.00	14.68 1.14 0.00	15.41 1.31 0.00	18.55 1.57 0.00	23.18 2.03 0.00	34.46 3.25 0.00	38.22 3.61 0.00	39.80 3.82 0.00	41.36 4.06 0.00	43.95 4.09 -1.67	54.87 2.93 -21.59	58.23 3.15 -21.01	71.78 5.03 -9.14	73.44 4.15 -21.73	49.50 3.32 -6.33	43.16 2.61 -8.09	39.64 2.48 -6.11	36.24 1.67 -14.11	34.59 2.47 -3.75
EAST RIVER___7 23524	31.82 0.28 -29.16	38.56 0.95 -27.35	15.77 1.21 -0.64	19.90 1.51 0.00	21.20 1.52 0.00	22.97 1.74 0.00	14.68 1.14 0.00	15.41 1.31 0.00	18.55 1.57 0.00	23.18 2.03 0.00	34.46 3.25 0.00	38.22 3.61 0.00	39.80 3.82 0.00	41.36 4.06 0.00	43.95 4.09 -1.67	54.87 2.93 -21.59	58.23 3.15 -21.01	71.78 5.03 -9.14	73.44 4.15 -21.73	49.50 3.32 -6.33	43.16 2.61 -8.09	39.64 2.48 -6.11	36.24 1.67 -14.11	34.59 2.47 -3.75
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	33.73 0.24 -31.11	40.25 0.85 -29.14	15.65 1.10 -0.64	19.78 1.38 0.00	21.09 1.40 0.00	22.83 1.59 0.00	14.58 1.04 0.00	15.27 1.17 0.00	18.38 1.41 0.00	22.94 1.79 0.00	34.08 2.87 0.00	37.81 3.20 0.00	39.42 3.44 0.00	40.98 3.67 0.00	43.62 3.71 -1.71	55.87 2.69 -22.83	58.65 2.91 -21.67	71.66 4.65 -9.39	74.28 3.78 -22.95	49.79 2.99 -6.95	43.71 2.36 -8.89	40.06 2.30 -6.71	37.40 1.56 -15.38	34.69 2.31 -4.00
EAST_HAMPTON___DIESEL 23722	50.59 0.32 -47.89	68.82 1.14 -57.42	48.04 1.43 -32.69	49.42 2.10 -28.92	65.27 2.70 -42.88	33.42 3.21 -8.98	49.47 2.18 -33.75	74.97 2.50 -58.37	41.42 2.88 -21.57	58.23 3.46 -33.62	54.42 5.30 -17.91	56.97 5.52 -16.84	46.25 5.83 -4.44	95.92 5.86 -52.75	100.38 5.56 -56.63	217.44 4.09 -183.01	240.28 4.28 -201.93	299.62 6.75 -235.25	272.57 5.55 -219.47	84.61 3.96 -40.79	51.81 3.25 -16.10	53.38 3.54 -18.79	40.73 2.36 -17.92	42.06 3.72 -9.96
EAST_POINT___SOLAR 323840	2.56 0.18 0.00	11.90 0.69 -0.95	15.77 0.91 -0.94	19.62 1.22 0.00	21.02 1.33 0.00	22.74 1.50 0.00	14.55 1.01 0.00	14.81 0.72 0.00	17.65 0.68 0.00	21.90 0.75 0.00	32.01 0.81 0.00	36.77 2.17 0.00	37.64 1.66 0.00	38.60 1.29 0.00	40.03 1.83 0.00	32.36 2.01 0.00	36.28 2.20 0.00	62.61 4.99 0.00	51.87 4.31 0.00	43.47 3.62 0.00	35.33 2.87 0.00	33.71 2.66 0.00	22.34 1.63 -0.24	32.11 2.08 -1.65
EAST_PULASKI___ESR 323781	-4.74 -0.09 7.04	1.82 -0.29 8.15	4.81 -0.43 8.68	11.52 -0.56 6.32	19.14 -0.55 0.00	20.79 -0.58 -0.13	13.28 -0.26 0.00	13.90 -0.19 0.00	16.81 -0.17 0.00	21.16 -0.20 -0.21	33.36 -0.28 -2.43	37.86 -0.32 -3.57	38.72 -0.32 -3.06	39.52 -0.43 -2.65	42.37 -0.45 -4.63	15.01 -0.65 14.69	36.64 -0.66 -3.24	67.22 -0.85 -10.46	55.33 -0.74 -8.51	45.57 -0.43 -6.15	36.16 -0.26 -3.96	34.21 -0.30 -3.47	20.43 -0.32 -0.29	30.32 -0.64 -2.59
EAST_RIVER___1 323558	31.81 0.28 -29.16	38.57 0.96 -27.35	15.78 1.22 -0.64	19.92 1.53 0.00	21.23 1.55 0.00	23.00 1.76 0.00	14.69 1.15 0.00	15.41 1.31 0.00	18.54 1.57 0.00	23.16 2.01 0.00	34.44 3.22 0.00	38.17 3.56 0.00	39.75 3.77 0.00	41.31 4.00 0.00	43.90 4.03 -1.67	54.83 2.89 -21.59	58.22 3.13 -21.01	71.78 5.02 -9.14	73.41 4.12 -21.73	49.44 3.26 -6.33	43.12 2.57 -8.09	39.63 2.48 -6.11	36.26 1.68 -14.11	34.63 2.51 -3.75
EAST_RIVER___2 323559	31.82 0.28 -29.16	38.56 0.95 -27.35	15.77 1.21 -0.64	19.90 1.51 0.00	21.20 1.52 0.00	22.97 1.74 0.00	14.68 1.14 0.00	15.41 1.31 0.00	18.55 1.57 0.00	23.18 2.03 0.00	34.46 3.25 0.00	38.22 3.61 0.00	39.80 3.82 0.00	41.36 4.06 0.00	43.95 4.09 -1.67	54.87 2.93 -21.59	58.23 3.15 -21.01	71.78 5.03 -9.14	73.44 4.15 -21.73	49.50 3.32 -6.33	43.16 2.61 -8.09	39.64 2.48 -6.11	36.24 1.67 -14.11	34.59 2.47 -3.75
EAST___DELAWARE_HYD 23607	-3.54 0.14 6.06	5.73 0.45 4.98	15.05 0.56 -0.57	19.08 0.68 0.00	20.34 0.66 0.00	22.01 0.77 0.00	14.08 0.54 0.00	14.73 0.64 0.00	17.76 0.79 0.00	22.21 1.06 0.00	32.86 1.65 0.00	36.50 1.88 0.00	38.15 2.17 0.00	39.73 2.42 0.00	41.08 2.74 -0.15	31.67 1.94 0.62	36.79 2.08 -0.63	60.90 3.29 0.00	48.25 2.77 2.09	40.49 2.15 1.51	32.14 1.61 1.94	31.11 1.53 1.46	18.06 1.01 3.41	30.11 1.36 -0.37
EIGHT_POINT___WT_PWR 323820	2.22 -0.16 0.00	9.85 -0.54 -0.12	13.23 -0.81 -0.12	17.50 -0.89 0.00	19.05 -0.63 0.00	20.59 -0.66 -0.02	13.15 -0.39 0.00	13.94 -0.16 0.00	17.00 0.03 0.00	21.42 0.24 -0.03	31.95 0.42 -0.32	35.82 0.72 -0.48	36.88 0.38 -0.52	38.03 0.17 -0.55	39.72 0.55 -0.97	31.00 0.35 -0.30	34.90 0.39 -0.43	59.63 0.63 -1.38	48.81 0.13 -1.13	40.80 0.14 -0.81	33.25 0.26 -0.53	31.74 0.23 -0.46	20.68 0.19 -0.04	28.95 0.03 -0.55
ELBRIDGE_115KV_TB2 80188	2.37 -0.01 0.00	10.25 -0.07 -0.06	13.87 -0.11 -0.06	18.23 -0.14 0.03	19.49 -0.19 0.00	21.10 -0.22 -0.08	13.50 -0.04 0.00	14.10 0.01 0.00	17.04 0.07 0.00	21.36 0.07 -0.14	33.00 0.17 -1.62	37.18 0.20 -2.38	38.74 0.14 -2.62	40.11 0.01 -2.80	41.37 0.11 -3.07	28.01 0.09 2.43	36.31 0.11 -2.13	64.60 0.13 -6.85	53.18 0.05 -5.58	43.93 0.04 -4.03	35.09 0.03 -2.60	33.27 -0.05 -2.28	20.60 -0.05 -0.19	30.01 -0.13 -1.76
ELEC_TRO_TEK 24086	50.56 0.29 -47.89	68.71 1.03 -57.42	47.93 1.32 -32.69	49.01 1.69 -28.92	64.30 1.73 -42.88	32.15 1.94 -8.97	48.55 1.27 -33.74	47.26 1.42 -31.75	40.24 1.70 -21.57	39.01 2.13 -15.73	51.43 3.39 -16.82	55.22 3.77 -16.84	44.39 3.97 -4.44	94.35 4.29 -52.75	99.20 4.40 -56.61	122.45 3.23 -88.88	212.83 3.50 -175.25	307.77 5.62 -244.53	100.05 4.57 -47.93	49.90 3.58 -6.46	45.43 2.82 -10.14	52.60 2.78 -18.78	40.22 1.84 -17.92	41.06 2.73 -9.96

ELLENBURG_WT_PWR 323604	-1.21 -0.19 3.40	5.75 -0.56 3.95	9.09 -0.63 4.21	14.73 -0.68 2.99	19.10 -0.59 0.00	20.70 -0.53 0.00	13.09 -0.45 0.00	13.61 -0.48 0.00	16.35 -0.63 0.00	20.34 -0.82 0.00	29.55 -1.66 0.00	32.83 -1.78 0.00	20.66 -1.97 13.35	11.75 -2.03 23.53	36.08 -2.11 0.00	28.78 -1.56 0.00	32.48 -1.60 0.00	55.74 -1.88 0.00	46.17 -1.39 0.00	38.63 -1.22 0.00	31.43 -1.03 0.00	30.14 -0.90 0.00	20.04 -0.42 0.00	27.77 -0.60 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	2.25 -0.13 0.00	9.74 -0.62 -0.10	13.17 -0.84 -0.10	17.38 -1.02 0.00	18.71 -0.97 0.00	20.14 -1.09 0.00	12.88 -0.66 0.00	13.58 -0.52 0.00	16.54 -0.43 0.00	20.75 -0.41 0.00	30.53 -0.68 0.00	33.88 -0.73 0.00	34.59 -1.39 0.00	35.42 -1.88 0.00	38.00 -1.73 -1.54	29.12 -1.22 0.00	32.86 -1.22 0.00	55.52 -2.10 0.00	45.43 -2.13 0.00	38.40 -1.45 0.00	31.33 -1.13 0.00	29.93 -1.12 0.00	19.70 -0.77 0.00	27.36 -1.19 -0.17
EMPIRE_CC_1 323656	8.82 0.13 -6.31	17.31 0.48 -6.57	15.33 0.62 -0.79	19.20 0.80 0.00	20.51 0.82 0.00	22.06 0.83 0.00	14.15 0.61 0.00	14.75 0.65 0.00	17.71 0.74 0.00	21.96 0.81 0.00	32.42 1.21 0.00	35.86 1.25 0.00	37.44 1.46 0.00	38.80 1.50 0.00	40.04 1.34 -0.51	37.05 0.96 -5.74	41.47 0.98 -6.42	62.24 1.66 -2.96	55.16 1.32 -6.29	42.43 1.08 -1.50	35.29 0.91 -1.92	33.54 1.05 -1.45	24.77 0.86 -3.44	31.50 1.13 -2.00
EMPIRE_CC_2 323658	8.82 0.13 -6.31	17.31 0.48 -6.57	15.33 0.62 -0.79	19.20 0.80 0.00	20.51 0.82 0.00	22.06 0.83 0.00	14.15 0.61 0.00	14.75 0.65 0.00	17.71 0.74 0.00	21.96 0.81 0.00	32.42 1.21 0.00	35.86 1.25 0.00	37.44 1.46 0.00	38.80 1.50 0.00	40.04 1.34 -0.51	37.05 0.96 -5.74	41.47 0.98 -6.42	62.24 1.66 -2.96	55.16 1.32 -6.29	42.43 1.08 -1.50	35.29 0.91 -1.92	33.54 1.05 -1.45	24.77 0.86 -3.44	31.50 1.13 -2.00
ENORWICH_115KV_TB1 80156	2.54 0.16 0.00	11.13 0.68 -0.19	15.04 0.94 -0.19	19.56 1.17 0.00	20.75 1.06 0.00	22.49 1.23 -0.03	14.48 0.94 0.00	15.12 1.03 0.00	18.41 1.44 0.00	23.23 2.03 -0.05	34.90 3.10 -0.60	38.96 3.39 -0.96	40.01 3.07 -0.96	41.59 3.26 -1.03	43.08 3.69 -1.20	33.99 3.10 -0.55	38.39 3.54 -0.78	66.46 6.31 -2.53	54.95 5.33 -2.06	45.72 4.38 -1.49	36.88 3.45 -0.96	35.03 3.14 -0.84	22.45 1.92 -0.07	31.72 2.40 -0.94
ERIE_ST__34_KV_TB1-2 80199	2.28 -0.10 0.00	9.87 -0.49 -0.10	13.35 -0.67 -0.10	17.61 -0.78 0.00	18.95 -0.73 0.00	20.42 -0.81 0.00	13.06 -0.47 0.00	13.79 -0.30 0.00	16.80 -0.17 0.00	21.09 -0.06 0.00	31.06 -0.15 0.00	34.48 -0.13 0.00	35.24 -0.74 0.00	36.09 -1.22 0.00	38.05 -0.93 -0.79	29.74 -0.61 0.00	33.56 -0.52 0.00	56.81 -0.82 0.00	46.42 -1.13 0.00	39.28 -0.57 0.00	31.97 -0.49 0.00	30.49 -0.56 0.00	20.06 -0.40 0.00	27.85 -0.70 -0.18
ERIE_WT_PWR 323693	2.26 -0.12 0.00	9.80 -0.56 -0.10	13.26 -0.75 -0.10	17.51 -0.88 0.00	18.85 -0.83 0.00	20.29 -0.94 0.00	12.98 -0.56 0.00	13.69 -0.40 0.00	16.68 -0.29 0.00	20.92 -0.23 0.00	30.81 -0.40 0.00	34.20 -0.41 0.00	34.94 -1.04 0.00	35.79 -1.51 0.00	37.85 -1.30 -0.96	29.47 -0.88 0.00	33.23 -0.85 0.00	56.09 -1.53 0.00	45.89 -1.67 0.00	38.79 -1.06 0.00	31.63 -0.83 0.00	30.18 -0.86 0.00	19.88 -0.58 0.00	27.61 -0.94 -0.17
ESPRGFLD_115KV_TB1 80157	2.50 0.12 0.00	10.69 0.46 0.03	14.50 0.62 0.03	19.22 0.82 0.00	20.56 0.88 0.00	22.23 1.00 0.00	14.25 0.71 0.00	14.82 0.72 0.00	17.87 0.90 0.00	22.31 1.16 0.00	32.81 1.60 0.00	36.56 1.95 0.00	38.03 2.04 0.00	39.15 1.84 0.00	40.33 2.14 0.00	32.22 1.88 0.00	36.22 2.15 0.00	61.59 3.97 0.00	50.89 3.33 0.00	42.61 2.76 0.00	34.60 2.14 0.00	32.97 1.93 0.00	21.63 1.17 0.00	29.78 1.46 0.06
ETNA_115_KV_TB1_REV_LBMP_C 345029	2.43 0.05 0.00	10.58 0.18 -0.14	14.30 0.24 -0.14	18.71 0.31 0.00	20.00 0.31 0.00	21.63 0.35 -0.04	13.86 0.32 0.00	14.49 0.40 0.00	17.54 0.56 0.00	22.00 0.78 -0.07	33.24 1.22 -0.81	37.12 1.28 -1.22	38.50 1.18 -1.34	39.90 1.16 -1.43	41.23 1.40 -1.64	32.22 1.10 -0.76	36.47 1.31 -1.09	63.38 2.24 -3.52	52.17 1.75 -2.86	43.34 1.42 -2.07	34.95 1.15 -1.33	33.23 1.01 -1.17	21.19 0.63 -0.10	30.21 0.74 -1.09
ETNA____115KV_TB2 80207	2.43 0.05 0.00	10.58 0.18 -0.14	14.30 0.24 -0.14	18.71 0.31 0.00	20.00 0.31 0.00	21.63 0.35 -0.04	13.86 0.32 0.00	14.49 0.40 0.00	17.54 0.56 0.00	22.00 0.78 -0.07	33.24 1.22 -0.81	37.12 1.28 -1.22	38.50 1.18 -1.34	39.90 1.16 -1.43	41.23 1.40 -1.64	32.22 1.10 -0.76	36.47 1.31 -1.09	63.38 2.24 -3.52	52.17 1.75 -2.86	43.34 1.42 -2.07	34.95 1.15 -1.33	33.23 1.01 -1.17	21.19 0.63 -0.10	30.21 0.74 -1.09
EUCLID__115KV_TB2 356179	2.35 -0.03 0.00	10.17 -0.14 -0.05	13.76 -0.21 -0.05	18.08 -0.28 0.03	19.37 -0.32 0.00	20.92 -0.35 -0.04	13.40 -0.14 0.00	13.99 -0.11 0.00	16.90 -0.07 0.00	21.13 -0.08 -0.06	31.81 -0.10 -0.70	35.56 -0.09 -1.04	36.99 -0.13 -1.14	38.31 -0.21 -1.22	39.40 -0.13 -1.34	25.76 -0.15 4.44	34.83 -0.18 -0.94	60.39 -0.27 -3.04	49.71 -0.32 -2.47	41.36 -0.28 -1.79	33.38 -0.24 -1.15	31.80 -0.25 -1.01	20.35 -0.19 -0.08	28.84 -0.35 -0.82
E_CANADA_CAP_HY 24051	2.52 0.14 0.00	11.79 0.54 -0.98	15.61 0.72 -0.98	19.36 0.97 0.00	20.75 1.07 0.00	22.45 1.22 0.00	14.38 0.84 0.00	14.88 0.79 0.00	17.87 0.90 0.00	22.19 1.04 0.00	32.47 1.26 0.00	36.36 1.75 0.00	37.84 1.86 0.00	38.76 1.45 0.00	39.95 1.76 0.00	32.08 1.73 0.00	36.03 1.95 0.00	61.73 4.11 0.00	51.10 3.55 0.00	42.84 2.99 0.00	34.79 2.33 0.00	33.17 2.12 0.00	21.95 1.27 -0.21	31.70 1.62 -1.71
E_CANADA_MHWK_HY 24050	5.00 0.10 -2.52	13.58 0.40 -2.92	17.55 0.52 -3.11	21.27 0.67 -2.20	20.34 0.66 0.00	21.91 0.67 0.00	14.04 0.50 0.00	14.57 0.47 0.00	17.38 0.41 0.00	21.54 0.39 0.00	32.00 0.79 0.00	35.79 1.19 0.00	38.05 1.37 -0.70	39.69 1.16 -1.23	39.43 1.24 0.00	28.27 0.95 3.02	35.03 0.96 0.00	59.81 2.19 0.00	49.39 1.84 0.00	41.28 1.42 0.00	33.70 1.24 0.00	32.27 1.23 0.00	21.32 0.86 0.00	29.52 1.15 0.00
E_FISHKILL__LBMP 23776	12.74 0.21 -10.15	20.95 0.73 -9.96	15.52 0.95 -0.66	19.60 1.20 0.00	20.91 1.22 0.00	22.62 1.39 0.00	14.46 0.92 0.00	15.12 1.03 0.00	18.19 1.22 0.00	22.70 1.54 0.00	33.70 2.49 0.00	37.35 2.74 0.00	38.96 2.98 0.00	40.48 3.17 0.00	42.68 3.21 -1.28	45.53 2.33 -12.85	51.71 2.51 -15.13	68.28 3.98 -6.68	63.51 3.24 -12.72	44.75 2.57 -2.33	37.49 2.06 -2.98	35.34 2.05 -2.25	27.70 1.41 -5.82	32.56 2.07 -2.12
FALCON__SEABRD_CC1 323796	-1.28 -0.16 3.50	5.73 -0.46 4.07	9.09 -0.50 4.33	14.79 -0.50 3.11	19.32 -0.36 0.00	20.95 -0.28 0.00	13.26 -0.28 0.00	13.78 -0.31 0.00	16.43 -0.55 0.00	20.33 -0.82 0.00	29.28 -1.94 0.00	32.57 -2.04 0.00	20.42 -2.24 13.32	11.51 -2.32 23.47	35.73 -2.47 0.00	25.53 -1.84 2.99	32.22 -1.85 0.00	55.58 -2.04 0.00	45.91 -1.64 0.00	38.34 -1.51 0.00	31.21 -1.25 0.00	30.16 -0.88 0.00	20.24 -0.22 0.00	28.11 -0.26 0.00

FALCON___SEABRD_CC2 323797	-1.28 -0.16 3.50	5.73 -0.46 4.07	9.09 -0.50 4.33	14.79 -0.50 3.11	19.32 -0.36 0.00	20.95 -0.28 0.00	13.26 -0.28 0.00	13.78 -0.31 0.00	16.43 -0.55 0.00	20.33 -0.82 0.00	29.28 -1.94 0.00	32.57 -2.04 0.00	20.42 -2.24 13.32	11.51 -2.32 23.47	35.73 -2.47 0.00	25.53 -1.84 2.99	32.22 -1.85 0.00	55.58 -2.04 0.00	45.91 -1.64 0.00	38.34 -1.51 0.00	31.21 -1.25 0.00	30.16 -0.88 0.00	20.24 -0.22 0.00	28.11 -0.26 0.00
FAR ROCKAWAY___4 23548	50.59 0.32 -47.89	68.89 1.21 -57.42	48.19 1.58 -32.69	49.34 2.03 -28.92	64.64 2.07 -42.88	32.53 2.33 -8.97	48.79 1.51 -33.74	47.51 1.66 -31.75	40.47 1.92 -21.57	39.03 2.15 -15.73	51.53 3.49 -16.82	55.32 3.87 -16.84	44.74 4.32 -4.44	94.46 4.41 -52.75	99.35 4.54 -56.61	118.58 3.38 -84.86	186.82 3.70 -149.04	290.32 5.99 -226.71	99.73 4.82 -47.35	50.12 3.80 -6.46	45.60 3.00 -10.14	52.77 2.94 -18.78	40.32 1.94 -17.92	41.22 2.88 -9.96
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	31.81 0.28 -29.16	38.58 0.96 -27.35	15.79 1.23 -0.64	19.94 1.54 0.00	21.25 1.56 0.00	23.02 1.78 0.00	14.70 1.17 0.00	15.42 1.32 0.00	18.55 1.58 0.00	23.17 2.02 0.00	34.45 3.24 0.00	38.19 3.57 0.00	39.76 3.78 0.00	41.33 4.02 0.00	43.91 4.04 -1.67	54.84 2.90 -21.59	58.22 3.14 -21.00	71.80 5.04 -9.14	73.42 4.13 -21.73	49.45 3.27 -6.33	43.13 2.58 -8.09	39.65 2.50 -6.11	36.27 1.70 -14.11	34.66 2.54 -3.75
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	31.82 0.28 -29.16	38.59 0.98 -27.35	15.80 1.24 -0.64	19.96 1.56 0.00	21.27 1.59 0.00	23.04 1.81 0.00	14.71 1.18 0.00	15.43 1.34 0.00	18.57 1.59 0.00	23.19 2.03 0.00	34.47 3.26 0.00	38.21 3.60 0.00	39.79 3.80 0.00	41.34 4.04 0.00	43.93 4.07 -1.67	54.87 2.93 -21.59	58.25 3.17 -21.00	71.85 5.10 -9.14	73.47 4.18 -21.73	49.49 3.31 -6.33	43.17 2.62 -8.09	39.69 2.53 -6.11	36.30 1.72 -14.11	34.69 2.56 -3.75
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	31.81 0.27 -29.16	38.57 0.96 -27.35	15.78 1.22 -0.64	19.93 1.54 0.00	21.24 1.55 0.00	23.00 1.77 0.00	14.69 1.15 0.00	15.40 1.31 0.00	18.53 1.56 0.00	23.15 2.00 0.00	34.42 3.21 0.00	38.14 3.53 0.00	39.72 3.73 0.00	41.28 3.97 0.00	43.86 4.00 -1.67	54.80 2.87 -21.59	58.18 3.10 -21.00	71.73 4.97 -9.14	73.36 4.07 -21.73	49.40 3.22 -6.33	43.09 2.53 -8.09	39.62 2.46 -6.11	36.25 1.68 -14.11	34.63 2.51 -3.75
FARRAGUT___LBMP 323566	31.81 0.28 -29.16	38.56 0.95 -27.35	15.77 1.21 -0.64	19.92 1.52 0.00	21.22 1.53 0.00	22.99 1.75 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.52 1.54 0.00	23.13 1.98 0.00	34.39 3.18 0.00	38.11 3.50 0.00	39.68 3.70 0.00	41.24 3.93 0.00	43.82 3.96 -1.67	54.77 2.84 -21.59	58.14 3.06 -21.00	71.68 4.92 -9.14	73.31 4.03 -21.73	49.36 3.18 -6.33	43.06 2.51 -8.09	39.59 2.44 -6.11	36.24 1.67 -14.11	34.60 2.49 -3.75
FENNER___WINDPWR 24204	5.88 0.03 -3.47	14.50 0.13 -4.11	18.45 0.16 -4.37	21.61 0.20 -3.01	19.89 0.21 0.00	21.52 0.25 -0.03	13.78 0.24 0.00	14.39 0.30 0.00	17.40 0.43 0.00	21.83 0.62 -0.05	32.80 0.96 -0.64	36.64 1.08 -0.95	38.08 1.06 -1.04	39.53 1.10 -1.11	40.64 1.23 -1.22	25.03 0.92 6.25	36.06 1.11 -0.88	62.52 2.02 -2.89	51.56 1.66 -2.35	42.93 1.39 -1.70	34.69 1.12 -1.11	33.03 1.01 -0.97	21.14 0.60 -0.08	29.90 0.68 -0.85
FIBERTEK___ENERGY 23856	2.38 0.00 0.00	10.29 -0.02 -0.06	13.93 -0.04 -0.06	18.30 -0.06 0.03	19.59 -0.09 0.00	21.21 -0.11 -0.08	13.57 0.03 0.00	14.17 0.08 0.00	17.12 0.15 0.00	21.48 0.20 -0.13	33.07 0.33 -1.53	37.23 0.38 -2.24	38.81 0.35 -2.47	40.23 0.28 -2.64	41.49 0.39 -2.90	27.66 0.29 2.98	36.41 0.32 -2.01	64.65 0.54 -6.49	53.17 0.33 -5.28	43.95 0.28 -3.82	35.14 0.21 -2.46	33.33 0.13 -2.16	20.70 0.06 -0.18	30.04 0.00 -1.67
FITZPATRICK____ 23598	2.31 -0.07 0.00	10.00 -0.29 -0.04	13.54 -0.41 -0.04	17.84 -0.55 0.00	19.07 -0.61 0.00	20.11 -0.68 0.45	13.17 -0.37 0.00	13.74 -0.35 0.00	16.58 -0.39 0.00	19.94 -0.49 0.72	22.10 -0.72 8.39	21.50 -0.79 12.33	21.46 -0.86 13.66	21.75 -0.96 14.60	21.25 -0.93 16.02	21.79 -0.76 7.80	22.20 -0.86 11.01	20.79 -1.44 35.38	17.52 -1.25 28.79	18.00 -1.04 20.82	18.19 -0.84 13.43	18.47 -0.82 11.75	18.93 -0.55 0.98	19.07 -0.83 8.48
FLOWRFLD_69_KV_BK1 356044	50.62 0.35 -47.89	68.89 1.21 -57.42	48.15 1.55 -32.69	49.26 1.94 -28.92	64.57 2.00 -42.88	32.46 2.25 -8.97	48.77 1.49 -33.74	76.56 1.71 -60.75	40.60 2.05 -21.57	63.37 2.56 -39.65	53.49 4.00 -18.27	55.85 4.41 -16.84	44.95 4.53 -4.44	94.98 4.92 -52.75	99.87 5.04 -56.63	256.97 3.70 -222.92	299.29 3.96 -261.26	331.66 6.19 -267.85	381.47 5.20 -328.72	108.39 4.16 -64.37	54.14 3.40 -18.28	53.17 3.33 -18.80	40.51 2.13 -17.92	41.76 3.43 -9.96
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	2.62 0.24 0.00	11.77 0.87 -0.65	15.68 1.11 -0.65	19.80 1.41 0.00	21.12 1.43 0.00	22.85 1.62 0.00	14.61 1.07 0.00	15.30 1.21 0.00	18.44 1.47 0.00	23.10 1.95 0.00	34.30 3.08 0.00	38.09 3.48 0.00	39.78 3.80 0.00	41.40 4.10 0.00	43.50 4.26 -1.05	41.11 3.18 -7.58	48.91 3.37 -11.47	68.35 5.47 -5.26	59.49 4.44 -7.49	43.38 3.53 0.00	35.27 2.81 0.00	33.76 2.72 0.00	22.67 1.83 -0.37	32.08 2.58 -1.13
FORT ORANGE____ 23900	7.18 0.12 -4.68	15.83 0.46 -5.10	15.33 0.60 -0.82	19.18 0.78 0.00	20.49 0.81 0.00	22.07 0.84 0.00	14.13 0.59 0.00	14.65 0.56 0.00	17.54 0.56 0.00	21.77 0.62 0.00	32.19 0.98 0.00	35.50 0.89 0.00	37.05 1.07 0.00	38.45 1.15 0.00	39.68 1.13 -0.36	33.58 0.96 -2.27	39.32 0.84 -4.40	61.15 1.29 -2.25	51.84 1.08 -3.20	40.74 0.89 0.00	33.28 0.81 0.00	31.91 0.86 0.00	21.52 0.72 -0.34	30.86 1.06 -1.43
FORT_DRUM_COGEN 23780	-22.24 -0.22 24.40	-18.67 -0.58 28.36	-17.12 -0.84 30.20	-4.52 -1.06 21.86	18.80 -0.88 0.00	20.46 -0.85 -0.07	13.16 -0.38 0.00	13.91 -0.18 0.00	16.85 -0.12 0.00	21.16 -0.10 -0.11	32.29 -0.19 -1.26	36.20 -0.27 -1.86	34.90 -0.21 0.88	34.07 -0.26 2.97	40.14 -0.47 -2.41	-21.60 -1.32 50.62	34.71 -1.16 -1.80	62.30 -1.28 -5.96	51.81 -0.59 -4.85	43.30 -0.06 -3.50	34.96 0.28 -2.22	33.14 0.15 -1.94	20.33 -0.29 -0.16	28.94 -0.90 -1.47
FOX_HILLS___ESR 323835	80.67 0.30 -77.99	47.55 1.00 -36.29	15.88 1.31 -0.65	20.07 1.67 0.00	21.37 1.67 -0.01	23.14 1.90 0.00	14.77 1.22 -0.01	15.47 1.38 0.00	18.56 1.58 -0.01	23.11 1.96 0.00	34.41 3.21 0.00	38.16 3.55 0.00	39.70 3.71 -0.01	41.57 3.96 -0.30	54.55 3.94 -12.41	67.51 2.80 -34.36	58.09 3.01 -21.00	75.15 4.94 -12.59	136.05 4.11 -84.38	145.54 3.26 -102.43	73.64 2.56 -38.62	57.37 2.47 -23.86	37.15 1.70 -14.99	59.71 2.55 -28.79
FPL FAR_ROCK_GT1 24212	50.59 0.32 -47.89	68.89 1.21 -57.42	48.19 1.58 -32.69	49.34 2.02 -28.92	64.64 2.07 -42.88	32.54 2.33 -8.98	48.79 1.51 -33.75	47.51 1.66 -31.75	40.47 1.92 -21.57	39.03 2.15 -15.73	51.53 3.49 -16.83	55.32 3.87 -16.84	44.74 4.32 -4.44	94.46 4.40 -52.75	99.34 4.54 -56.61	118.58 3.37 -84.86	186.81 3.69 -149.04	290.32 5.99 -226.71	99.73 4.82 -47.35	50.12 3.80 -6.46	45.60 2.99 -10.15	52.77 2.94 -18.79	40.32 1.94 -17.92	41.22 2.89 -9.96



FPL FAR_ROCK_GT2 23815	50.59 0.32 -47.89	68.89 1.21 -57.42	48.19 1.58 -32.69	49.34 2.02 -28.92	64.64 2.07 -42.88	32.54 2.33 -8.98	48.79 1.51 -33.75	47.51 1.66 -31.75	40.47 1.92 -21.57	39.03 2.15 -15.73	51.53 3.49 -16.83	55.32 3.87 -16.84	44.74 4.32 -4.44	94.46 4.40 -52.75	99.34 4.54 -56.61	118.58 3.37 -84.86	186.81 3.69 -149.04	290.32 5.99 -226.71	99.73 4.82 -47.35	50.12 3.80 -6.46	45.60 2.99 -10.15	52.77 2.94 -18.79	40.32 1.94 -17.92	41.22 2.89 -9.96
FRANKLIN_FALL_HYD 24054	-4.06 -0.17 6.26	2.42 -0.52 7.32	5.51 -0.61 7.80	11.77 -0.70 5.92	19.06 -0.62 0.00	20.66 -0.58 0.00	13.08 -0.46 0.00	13.64 -0.46 0.00	16.40 -0.57 0.00	20.43 -0.72 0.00	29.82 -1.40 0.00	33.08 -1.53 0.00	21.74 -1.76 12.49	13.54 -1.75 22.01	36.39 -1.80 0.00	-28.64 -1.37 57.61	32.75 -1.32 0.00	56.35 -1.27 0.00	46.55 -1.01 0.00	39.00 -0.85 0.00	31.74 -0.73 0.00	30.35 -0.69 0.00	20.06 -0.41 0.00	27.73 -0.64 0.00
FREEPORT_EQUS_GT1 23764	50.58 0.31 -47.89	68.79 1.11 -57.42	48.05 1.44 -32.69	49.15 1.84 -28.92	64.44 1.87 -42.88	32.31 2.09 -8.98	48.65 1.37 -33.75	47.38 1.53 -31.75	40.34 1.79 -21.57	39.11 2.24 -15.73	51.49 3.46 -16.83	55.32 3.87 -16.84	44.45 4.03 -4.44	94.45 4.40 -52.75	99.33 4.52 -56.61	120.43 3.35 -86.73	198.97 3.65 -161.25	298.54 5.91 -235.01	99.99 4.81 -47.62	50.23 3.77 -6.61	45.68 3.00 -10.22	52.86 3.03 -18.79	40.36 1.98 -17.92	41.31 2.97 -9.96
FREEPORT___CT2 23818	50.58 0.31 -47.89	68.79 1.11 -57.42	48.05 1.44 -32.69	49.15 1.84 -28.92	64.44 1.87 -42.88	32.31 2.09 -8.98	48.65 1.37 -33.75	47.38 1.53 -31.75	40.34 1.79 -21.57	39.11 2.24 -15.73	51.49 3.46 -16.83	55.32 3.87 -16.84	44.45 4.03 -4.44	94.45 4.40 -52.75	99.33 4.52 -56.61	120.43 3.35 -86.73	198.97 3.65 -161.25	298.54 5.91 -235.01	99.99 4.81 -47.62	50.23 3.77 -6.61	45.68 3.00 -10.22	52.86 3.03 -18.79	40.36 1.98 -17.92	41.31 2.97 -9.96
FRESHKLS_33_KV_LOAD 356253	58.96 0.29 -56.29	43.18 1.00 -31.92	15.88 1.31 -0.65	20.07 1.67 0.00	21.37 1.67 -0.01	23.13 1.90 0.00	14.76 1.22 -0.01	15.47 1.37 0.00	18.55 1.57 -0.01	23.11 1.95 0.00	34.37 3.16 0.00	38.14 3.53 0.00	39.68 3.69 -0.01	40.56 3.92 0.67	42.10 3.92 0.01	47.74 2.77 -14.62	58.11 3.03 -21.00	71.78 5.03 -9.14	73.39 4.11 -21.72	49.43 3.26 -6.32	43.05 2.56 -8.02	42.64 2.49 -9.11	37.15 1.70 -14.99	53.63 2.52 -22.74
FULTON COGEN____ 23766	0.64 -0.03 1.70	8.17 -0.15 1.94	11.63 -0.22 2.07	16.55 -0.31 1.54	19.35 -0.34 0.00	21.01 -0.38 -0.15	13.38 -0.16 0.00	13.97 -0.12 0.00	16.87 -0.10 0.00	21.25 -0.13 -0.24	33.79 -0.17 -2.75	38.46 -0.19 -4.04	40.24 -0.21 -4.47	41.76 -0.32 -4.78	43.18 -0.25 -5.24	26.40 -0.25 3.70	37.38 -0.32 -3.62	68.90 -0.39 -11.68	56.61 -0.45 -9.50	46.38 -0.34 -6.87	36.59 -0.31 -4.43	34.61 -0.31 -3.88	20.52 -0.26 -0.32	30.81 -0.46 -2.90
FULTON___LFGE 323630	2.68 0.30 0.00	12.40 1.20 -0.94	16.44 1.59 -0.94	20.47 2.07 0.00	21.93 2.25 0.00	23.71 2.47 0.00	15.19 1.65 0.00	15.54 1.44 0.00	18.19 1.22 0.00	22.31 1.16 0.00	32.84 1.63 0.00	37.55 2.94 0.00	39.55 3.57 0.00	39.39 2.08 0.00	41.48 3.28 0.00	32.69 2.35 0.00	36.75 2.68 0.00	66.17 8.55 0.00	55.42 7.87 0.00	46.36 6.50 0.00	37.59 5.13 0.00	35.83 4.79 0.00	23.64 2.93 -0.25	33.78 3.77 -1.64
G.F.CEMENT___DRP 24184	7.03 0.14 -4.50	15.87 0.63 -4.98	15.70 0.93 -0.85	19.66 1.26 0.00	21.04 1.36 0.00	22.69 1.46 0.00	14.55 1.01 0.00	15.19 1.09 0.00	18.23 1.26 0.00	22.54 1.39 0.00	33.11 1.90 0.00	36.82 2.20 0.00	38.64 2.66 0.00	40.07 2.77 0.00	41.09 2.57 -0.33	34.29 1.84 -2.09	40.20 2.07 -4.06	63.79 4.09 -2.08	54.31 3.79 -2.96	42.88 3.02 0.00	35.00 2.54 0.00	33.52 2.48 0.00	22.43 1.63 -0.34	31.97 2.10 -1.49
GARDENVILLE___LBMP 24039	2.26 -0.12 0.00	9.77 -0.58 -0.10	13.22 -0.80 -0.10	17.45 -0.95 0.00	18.79 -0.89 0.00	20.23 -1.00 0.00	12.94 -0.60 0.00	13.64 -0.45 0.00	16.62 -0.35 0.00	20.85 -0.30 0.00	30.69 -0.52 0.00	34.06 -0.55 0.00	34.80 -1.18 0.00	35.65 -1.66 0.00	37.88 -1.48 -1.17	29.30 -1.05 0.00	33.05 -1.02 0.00	55.86 -1.76 0.00	45.69 -1.87 0.00	38.61 -1.24 0.00	31.49 -0.97 0.00	30.07 -0.97 0.00	19.80 -0.66 0.00	27.50 -1.05 -0.17
GARDNVLA_35_KV_LD 355827	2.27 -0.11 0.00	9.82 -0.54 -0.10	13.28 -0.74 -0.10	17.52 -0.87 0.00	18.87 -0.82 0.00	20.32 -0.92 0.00	12.99 -0.55 0.00	13.71 -0.39 0.00	16.70 -0.27 0.00	20.95 -0.20 0.00	30.86 -0.36 0.00	34.26 -0.35 0.00	34.99 -1.00 0.00	35.86 -1.45 0.00	37.83 -1.25 -0.88	29.50 -0.85 0.00	33.29 -0.78 0.00	56.26 -1.36 0.00	46.02 -1.54 0.00	38.89 -0.96 0.00	31.71 -0.76 0.00	30.25 -0.79 0.00	19.91 -0.55 0.00	27.64 -0.90 -0.18
GELCKHM___115KV_LOAD 80723	2.36 -0.02 0.00	10.21 -0.10 -0.05	13.82 -0.15 -0.05	18.16 -0.20 0.03	19.45 -0.23 0.00	21.02 -0.26 -0.05	13.46 -0.08 0.00	14.06 -0.04 0.00	16.98 0.01 0.00	21.26 0.02 -0.09	32.28 0.07 -0.99	36.17 0.09 -1.46	37.65 0.05 -1.61	39.01 -0.02 -1.73	40.16 0.07 -1.89	26.51 0.03 3.87	35.41 0.02 -1.32	61.92 0.04 -4.26	50.96 -0.07 -3.47	42.29 -0.07 -2.51	34.02 -0.07 -1.62	32.35 -0.11 -1.42	20.48 -0.10 -0.12	29.26 -0.23 -1.12
GENERAL___MILLS 23808	2.26 -0.11 0.00	9.80 -0.56 -0.10	13.25 -0.77 -0.10	17.49 -0.91 0.00	18.83 -0.85 0.00	20.28 -0.96 0.00	12.97 -0.57 0.00	13.67 -0.42 0.00	16.66 -0.31 0.00	20.90 -0.25 0.00	30.77 -0.44 0.00	34.16 -0.45 0.00	34.89 -1.09 0.00	35.74 -1.56 0.00	37.79 -1.36 -0.96	29.39 -0.96 0.00	33.16 -0.92 0.00	56.04 -1.58 0.00	45.85 -1.70 0.00	38.75 -1.10 0.00	31.60 -0.86 0.00	30.16 -0.88 0.00	19.86 -0.60 0.00	27.58 -0.96 -0.17
GE_PLASTICS___DRP 24183	7.12 0.10 -4.64	15.73 0.40 -5.07	15.26 0.53 -0.82	19.09 0.70 0.00	20.40 0.71 0.00	21.98 0.74 0.00	14.06 0.52 0.00	14.63 0.53 0.00	17.56 0.59 0.00	21.82 0.67 0.00	32.15 0.94 0.00	35.40 0.79 0.00	36.87 0.89 0.00	38.26 0.96 0.00	39.42 0.89 -0.34	33.12 0.68 -2.10	38.85 0.58 -4.20	60.73 0.94 -2.17	51.39 0.74 -3.09	40.43 0.58 0.00	33.00 0.54 0.00	31.68 0.64 0.00	21.40 0.61 -0.33	30.83 1.02 -1.43
GILBOA___1 23756	2.51 0.13 0.00	11.36 0.47 -0.63	15.21 0.66 -0.63	19.31 0.91 0.00	20.63 0.94 0.00	22.20 0.96 0.00	14.19 0.65 0.00	14.70 0.60 0.00	17.63 0.66 0.00	21.97 0.82 0.00	32.52 1.31 0.00	36.04 1.43 0.00	37.55 1.57 0.00	38.88 1.57 0.00	39.67 1.52 0.05	30.90 1.10 0.55	34.87 1.13 0.34	59.50 1.88 0.00	49.01 1.45 0.00	41.03 1.18 0.00	33.50 1.03 0.00	32.12 1.07 0.00	21.41 0.79 -0.16	30.60 1.13 -1.10
GILBOA___2 23757	2.51 0.13 0.00	11.36 0.47 -0.63	15.21 0.66 -0.63	19.31 0.91 0.00	20.63 0.94 0.00	22.20 0.96 0.00	14.19 0.65 0.00	14.70 0.60 0.00	17.63 0.66 0.00	21.97 0.82 0.00	32.52 1.31 0.00	36.04 1.43 0.00	37.55 1.57 0.00	38.88 1.57 0.00	39.67 1.52 0.05	30.90 1.10 0.55	34.87 1.13 0.34	59.50 1.88 0.00	49.01 1.45 0.00	41.03 1.18 0.00	33.50 1.03 0.00	32.12 1.07 0.00	21.41 0.79 -0.16	30.60 1.13 -1.10

GILBOA___3 23758	2.51 0.13 0.00	11.36 0.47 -0.63	15.21 0.66 -0.63	19.31 0.91 0.00	20.63 0.94 0.00	22.20 0.96 0.00	14.19 0.65 0.00	14.70 0.60 0.00	17.63 0.66 0.00	21.97 0.82 0.00	32.52 1.31 0.00	36.04 1.43 0.00	37.55 1.57 0.00	38.88 1.57 0.00	39.67 1.52 0.05	30.90 1.10 0.55	34.87 1.13 0.34	59.50 1.88 0.00	49.01 1.45 0.00	41.03 1.18 0.00	33.50 1.03 0.00	32.12 1.07 0.00	21.41 0.79 -0.16	30.60 1.13 -1.10
GILBOA___4 23759	2.51 0.13 0.00	11.36 0.47 -0.63	15.21 0.66 -0.63	19.31 0.91 0.00	20.63 0.94 0.00	22.20 0.96 0.00	14.19 0.65 0.00	14.70 0.60 0.00	17.63 0.66 0.00	21.97 0.82 0.00	32.52 1.31 0.00	36.04 1.43 0.00	37.55 1.57 0.00	38.88 1.57 0.00	39.67 1.52 0.05	30.90 1.10 0.55	34.87 1.13 0.34	59.50 1.88 0.00	49.01 1.45 0.00	41.03 1.18 0.00	33.50 1.03 0.00	32.12 1.07 0.00	21.41 0.79 -0.16	30.60 1.13 -1.10
GILBOA___ 23599	2.51 0.13 0.00	11.36 0.47 -0.63	15.21 0.66 -0.63	19.31 0.92 0.00	20.63 0.94 0.00	22.20 0.96 0.00	14.19 0.65 0.00	14.70 0.60 0.00	17.63 0.66 0.00	21.97 0.82 0.00	32.52 1.31 0.00	36.04 1.43 0.00	37.55 1.57 0.00	38.88 1.58 0.00	39.67 1.53 0.05	30.90 1.11 0.55	34.87 1.13 0.34	59.50 1.88 0.00	49.01 1.45 0.00	41.02 1.17 0.00	33.50 1.04 0.00	32.12 1.07 0.00	21.41 0.79 -0.16	30.60 1.13 -1.10
GINNA___ 23603	2.23 -0.15 0.00	9.69 -0.63 -0.07	13.08 -0.90 -0.07	17.23 -1.16 0.00	18.48 -1.21 0.00	19.93 -1.31 0.00	12.78 -0.76 0.00	13.43 -0.67 0.00	16.29 -0.69 0.00	20.37 -0.78 0.00	30.05 -1.15 0.00	33.33 -1.27 0.00	34.34 -1.65 0.00	35.33 -1.97 0.00	36.20 -1.92 0.07	28.89 -1.46 0.00	32.53 -1.55 0.00	55.05 -2.56 0.00	45.31 -2.25 0.00	38.11 -1.74 0.00	31.06 -1.40 0.00	29.64 -1.41 0.00	19.44 -1.02 0.00	26.92 -1.58 -0.12
GLEN PARK___ 23778	-20.88 -0.19 23.06	-17.06 -0.53 26.80	-15.39 -0.77 28.54	-3.23 -0.97 20.66	18.90 -0.79 0.00	20.56 -0.75 -0.07	13.23 -0.31 0.00	13.98 -0.12 0.00	16.94 -0.04 0.00	21.26 0.00 -0.11	32.52 -0.02 -1.33	36.46 -0.09 -1.94	35.33 -0.03 0.62	34.59 -0.13 2.59	40.39 -0.33 -2.52	-18.84 -1.30 47.89	34.84 -1.10 -1.87	62.63 -1.16 -6.18	52.08 -0.50 -5.03	43.53 0.04 -3.64	35.19 0.43 -2.30	33.34 0.28 -2.02	20.42 -0.21 -0.17	29.11 -0.80 -1.53
GLENDALE_27_KV_LOAD 356172	31.84 0.31 -29.15	38.65 1.05 -27.35	15.91 1.35 -0.64	20.09 1.69 0.00	21.38 1.70 0.00	23.18 1.94 0.00	14.79 1.25 0.00	15.51 1.42 0.00	18.62 1.65 0.00	23.21 2.06 0.00	34.59 3.38 0.00	38.30 3.68 0.00	39.84 3.86 0.00	41.41 4.11 0.01	42.88 4.13 -0.55	49.35 2.97 -16.03	58.28 3.20 -21.00	70.44 5.18 -7.64	50.39 4.28 1.45	35.05 3.40 8.20	31.21 2.68 3.93	32.34 2.58 1.29	35.94 1.76 -13.72	34.76 2.64 -3.75
GLENWOOD_IC_1_G5 23712	50.56 0.29 -47.89	68.71 1.03 -57.42	47.94 1.34 -32.69	49.14 1.83 -28.92	64.43 1.86 -42.88	32.29 2.08 -8.97	48.65 1.36 -33.74	47.31 1.47 -31.75	40.27 1.73 -21.57	39.05 2.17 -15.73	51.50 3.47 -16.82	55.33 3.89 -16.84	44.56 4.14 -4.44	94.59 4.53 -52.75	99.48 4.67 -56.61	140.86 3.47 -107.04	331.68 3.77 -293.84	388.82 6.03 -325.17	102.92 4.84 -50.52	50.22 3.80 -6.57	45.65 2.98 -10.20	52.73 2.90 -18.78	40.25 1.87 -17.92	41.07 2.74 -9.96
GLENWOOD_IC_2_G1 23688	50.57 0.30 -47.89	68.73 1.05 -57.42	47.96 1.36 -32.69	49.08 1.76 -28.92	64.37 1.80 -42.88	32.23 2.02 -8.98	48.60 1.32 -33.75	47.31 1.46 -31.75	40.29 1.75 -21.57	39.07 2.19 -15.73	51.53 3.49 -16.83	55.33 3.89 -16.84	44.55 4.13 -4.44	94.55 4.49 -52.75	99.42 4.61 -56.61	170.91 3.41 -137.16	528.21 3.71 -490.43	522.41 5.94 -458.85	107.20 4.81 -54.82	50.10 3.78 -6.46	45.59 2.98 -10.15	52.73 2.90 -18.79	40.28 1.90 -17.92	41.14 2.81 -9.96
GLENWOOD_IC_3_G1 23689	50.57 0.30 -47.89	68.73 1.05 -57.42	47.96 1.36 -32.69	49.08 1.76 -28.92	64.37 1.80 -42.88	32.23 2.02 -8.98	48.60 1.32 -33.75	47.31 1.46 -31.75	40.29 1.75 -21.57	39.07 2.19 -15.73	51.53 3.49 -16.83	55.33 3.89 -16.84	44.55 4.13 -4.44	94.55 4.49 -52.75	99.42 4.61 -56.61	170.91 3.41 -137.16	528.21 3.71 -490.43	522.41 5.94 -458.85	107.20 4.81 -54.82	50.10 3.78 -6.46	45.59 2.98 -10.15	52.73 2.90 -18.79	40.28 1.90 -17.92	41.14 2.81 -9.96
GLENWOOD___4 23550	50.57 0.30 -47.89	68.74 1.06 -57.42	47.97 1.36 -32.69	49.14 1.83 -28.92	64.43 1.86 -42.88	32.29 2.08 -8.97	48.65 1.37 -33.74	47.34 1.49 -31.75	40.31 1.77 -21.57	39.11 2.23 -15.73	51.59 3.55 -16.82	55.43 3.98 -16.84	44.64 4.23 -4.44	94.68 4.62 -52.75	99.57 4.76 -56.61	140.92 3.53 -107.04	331.76 3.85 -293.84	388.96 6.17 -325.17	103.04 4.96 -50.52	50.31 3.89 -6.57	45.73 3.06 -10.20	52.79 2.97 -18.78	40.30 1.92 -17.92	41.15 2.82 -9.96
GLENWOOD___5 23614	50.57 0.30 -47.89	68.74 1.06 -57.42	47.97 1.36 -32.69	49.14 1.83 -28.92	64.43 1.86 -42.88	32.29 2.08 -8.97	48.65 1.37 -33.74	47.34 1.49 -31.75	40.31 1.77 -21.57	39.11 2.23 -15.73	51.59 3.55 -16.82	55.43 3.98 -16.84	44.64 4.23 -4.44	94.68 4.62 -52.75	99.57 4.76 -56.61	140.92 3.53 -107.04	331.76 3.85 -293.84	388.96 6.17 -325.17	103.04 4.96 -50.52	50.31 3.89 -6.57	45.73 3.06 -10.20	52.79 2.97 -18.78	40.30 1.92 -17.92	41.15 2.82 -9.96
GLOBAL GREEN_PORT_GT1 23814	50.63 0.36 -47.89	68.95 1.27 -57.42	48.23 1.61 -32.69	49.56 2.25 -28.92	65.27 2.70 -42.88	33.36 3.15 -8.98	49.40 2.12 -33.75	74.90 2.43 -58.37	41.24 2.69 -21.57	57.94 3.16 -33.63	54.04 4.92 -17.91	56.63 5.18 -16.84	45.91 5.49 -4.44	95.67 5.61 -52.75	100.27 5.45 -56.63	217.47 4.08 -183.05	240.42 4.33 -202.02	299.86 6.93 -235.30	272.94 5.75 -219.63	84.86 4.18 -40.83	52.11 3.55 -16.10	53.79 3.95 -18.79	40.94 2.56 -17.92	42.30 3.96 -9.96
GLOBE___DSASP 323697	2.19 -0.19 0.00	9.45 -0.90 -0.09	12.75 -1.26 -0.09	16.76 -1.64 0.00	18.01 -1.68 0.00	19.38 -1.86 0.00	12.37 -1.17 0.00	13.03 -1.07 0.00	15.83 -1.14 0.00	19.83 -1.32 0.00	29.11 -2.10 0.00	32.24 -2.37 0.00	32.87 -3.11 0.00	33.59 -3.71 0.00	34.17 -3.67 0.36	27.72 -2.63 0.00	31.28 -2.79 0.00	52.79 -4.83 0.00	43.21 -4.35 0.00	36.60 -3.25 0.00	29.97 -2.49 0.00	28.69 -2.35 0.00	18.89 -1.57 0.00	26.25 -2.29 -0.16
GOETHSLN___LBMP 323567	31.81 0.27 -29.16	38.53 0.92 -27.35	15.71 1.15 -0.64	19.84 1.45 0.00	21.15 1.46 0.00	22.90 1.67 0.00	14.63 1.09 0.00	15.33 1.24 0.00	18.46 1.49 0.00	23.06 1.91 0.00	34.24 3.03 0.00	37.96 3.35 0.00	39.57 3.59 0.00	41.13 3.82 0.00	43.68 3.82 -1.67	48.60 2.66 -15.59	57.95 2.87 -21.00	71.36 4.60 -9.14	73.05 3.76 -21.73	49.13 2.95 -6.33	42.84 2.34 -8.03	39.46 2.30 -6.11	36.15 1.58 -14.11	34.49 2.37 -3.75
GOLAH___69_KV_TB 1_2 80279	2.33 -0.05 0.00	10.09 -0.24 -0.07	13.61 -0.38 -0.07	17.94 -0.45 0.00	19.26 -0.42 0.00	20.77 -0.46 0.00	13.31 -0.23 0.00	14.01 -0.09 0.00	17.01 0.04 0.00	21.30 0.15 0.00	31.39 0.17 0.00	34.79 0.18 0.00	35.72 -0.26 0.00	36.64 -0.66 0.00	37.61 -0.52 0.06	30.00 -0.35 0.00	33.75 -0.33 0.00	57.14 -0.48 0.00	46.99 -0.57 0.00	39.61 -0.24 0.00	32.37 -0.10 0.00	30.92 -0.13 0.00	20.28 -0.18 0.00	28.09 -0.41 -0.13

GOODYEAR_LAKE_HYD 323669	2.51 0.12 0.00	10.89 0.45 -0.17	14.70 0.61 -0.17	19.19 0.80 0.00	20.49 0.81 0.00	22.12 0.89 0.00	14.18 0.64 0.00	14.76 0.66 0.00	17.81 0.84 0.00	22.26 1.11 0.00	32.88 1.67 0.00	36.51 1.90 0.00	38.03 2.05 0.00	39.33 2.03 0.00	40.40 2.20 0.00	32.11 1.76 0.00	36.06 1.98 0.00	60.99 3.37 0.00	50.31 2.75 0.00	42.09 2.24 0.00	34.23 1.77 0.00	32.67 1.63 0.00	21.51 1.04 0.00	30.03 1.36 -0.30
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	2.42 0.04 0.00	10.51 0.05 -0.19	14.20 0.09 -0.19	18.53 0.13 0.00	19.83 0.14 0.00	21.41 0.14 -0.03	13.69 0.15 0.00	14.29 0.19 0.00	17.30 0.32 0.00	21.67 0.48 -0.05	32.51 0.73 -0.56	36.42 0.96 -0.86	37.73 0.83 -0.91	39.06 0.78 -0.98	40.41 1.04 -1.17	31.61 0.75 -0.52	35.64 0.81 -0.75	61.39 1.36 -2.41	50.38 0.87 -1.96	41.86 0.60 -1.42	33.86 0.48 -0.91	32.24 0.40 -0.80	20.85 0.32 -0.07	29.67 0.38 -0.92
GOUDEY___7 23579	2.42 0.04 0.00	10.52 0.06 -0.19	14.21 0.10 -0.19	18.54 0.14 0.00	19.84 0.16 0.00	21.42 0.16 -0.03	13.70 0.17 0.00	14.30 0.21 0.00	17.31 0.34 0.00	21.70 0.50 -0.05	32.55 0.77 -0.56	36.46 0.99 -0.86	37.77 0.87 -0.91	39.11 0.83 -0.98	40.47 1.10 -1.17	31.67 0.79 -0.52	35.69 0.87 -0.75	61.46 1.44 -2.41	50.44 0.93 -1.96	41.92 0.65 -1.42	33.90 0.52 -0.91	32.27 0.43 -0.80	20.87 0.34 -0.07	29.70 0.41 -0.92
GOUDEY___8 23580	2.42 0.04 0.00	10.51 0.05 -0.19	14.20 0.09 -0.19	18.53 0.13 0.00	19.83 0.14 0.00	21.41 0.14 -0.03	13.69 0.15 0.00	14.29 0.19 0.00	17.30 0.32 0.00	21.67 0.48 -0.05	32.51 0.73 -0.56	36.42 0.96 -0.86	37.73 0.83 -0.91	39.06 0.78 -0.98	40.41 1.04 -1.17	31.61 0.75 -0.52	35.64 0.81 -0.75	61.39 1.36 -2.41	50.38 0.87 -1.96	41.86 0.60 -1.42	33.86 0.48 -0.91	32.24 0.40 -0.80	20.85 0.32 -0.07	29.67 0.38 -0.92
GOWANUS_GT1_1 24077	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.70 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.27 3.65 0.00	39.81 3.83 -0.01	41.68 4.07 -0.30	54.67 4.06 -12.41	67.60 2.89 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.36 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT1_2 24078	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.70 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.27 3.65 0.00	39.81 3.83 -0.01	41.68 4.07 -0.30	54.67 4.06 -12.41	67.60 2.89 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.36 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT1_3 24079	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.70 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.27 3.65 0.00	39.81 3.83 -0.01	41.68 4.07 -0.30	54.67 4.06 -12.41	67.60 2.89 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.36 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT1_4 24080	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.70 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.27 3.65 0.00	39.81 3.83 -0.01	41.68 4.07 -0.30	54.67 4.06 -12.41	67.60 2.89 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.36 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT1_5 24084	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.70 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.27 3.65 0.00	39.81 3.83 -0.01	41.68 4.07 -0.30	54.67 4.06 -12.41	67.60 2.89 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.36 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT1_6 24111	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.70 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.27 3.65 0.00	39.81 3.83 -0.01	41.68 4.07 -0.30	54.67 4.06 -12.41	67.60 2.89 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.36 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT1_7 24112	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.70 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.27 3.65 0.00	39.81 3.83 -0.01	41.68 4.07 -0.30	54.67 4.06 -12.41	67.60 2.89 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.36 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT1_8 24113	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.70 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.27 3.65 0.00	39.81 3.83 -0.01	41.68 4.07 -0.30	54.67 4.06 -12.41	67.60 2.89 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.36 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT2_1 24114	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT2_2 24115	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT2_3 24116	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79

GOWANUS_GT2_4 24117	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT2_5 24118	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT2_6 24119	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT2_7 24120	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT2_8 24121	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT3_1 24122	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT3_2 24123	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWAN																								

GOWANUS_GT4_3 24132	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.70 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.27 3.65 0.00	39.81 3.83 -0.01	41.68 4.07 -0.30	54.67 4.06 -12.41	67.60 2.89 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.36 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT4_4 24133	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.70 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.27 3.65 0.00	39.81 3.83 -0.01	41.68 4.07 -0.30	54.67 4.06 -12.41	67.60 2.89 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.36 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT4_5 24134	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.70 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.27 3.65 0.00	39.81 3.83 -0.01	41.68 4.07 -0.30	54.67 4.06 -12.41	67.60 2.89 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.36 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT4_6 24135	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.70 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.27 3.65 0.00	39.81 3.83 -0.01	41.68 4.07 -0.30	54.67 4.06 -12.41	67.60 2.89 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.36 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT4_7 24136	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.70 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.27 3.65 0.00	39.81 3.83 -0.01	41.68 4.07 -0.30	54.67 4.06 -12.41	67.60 2.89 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.36 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GOWANUS_GT4_8 24137	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.70 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.27 3.65 0.00	39.81 3.83 -0.01	41.68 4.07 -0.30	54.67 4.06 -12.41	67.60 2.89 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.36 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GREENBSH_115KV_TB3 55895	7.30 0.10 -4.83	15.89 0.39 -5.25	15.24 0.50 -0.82	19.05 0.65 0.00	20.36 0.67 0.00	21.92 0.69 0.00	14.04 0.50 0.00	14.61 0.52 0.00	17.54 0.57 0.00	21.80 0.64 0.00	32.25 1.04 0.00	35.58 0.97 0.00	37.12 1.14 0.00	38.52 1.21 0.00	39.66 1.10 -0.36	33.49 0.86 -2.28	39.25 0.77 -4.42	61.12 1.24 -2.26	51.74 0.97 -3.21	40.62 0.77 0.00	33.19 0.72 0.00	31.86 0.82 0.00	21.50 0.68 -0.36	30.81 1.00 -1.44
GREENIDGE_115KV_TB5 80291	2.36 -0.01 0.00	10.26 -0.11 -0.11	13.84 -0.19 -0.11	18.18 -0.22 0.00	19.53 -0.15 0.00	21.13 -0.13 -0.02	13.56 0.02 0.00	14.28 0.19 0.00	17.35 0.38 0.00	21.78 0.58 -0.04	32.37 0.69 -0.47	36.12 0.81 -0.70	37.22 0.48 -0.76	38.40 0.29 -0.81	39.77 0.56 -1.02	31.06 0.29 -0.43	35.07 0.37 -0.62	60.09 0.47 -2.00	49.49 0.31 -1.63	41.38 0.34 -1.18	33.51 0.29 -0.76	31.92 0.21 -0.67	20.78 0.26 -0.05	29.06 0.01 -0.68
GREENIDGE___3 23582	2.36 -0.01 0.00	10.26 -0.11 -0.11	13.84 -0.19 -0.11	18.18 -0.22 0.00	19.53 -0.15 0.00	21.13 -0.13 -0.02	13.56 0.02 0.00	14.28 0.19 0.00	17.35 0.38 0.00	21.78 0.58 -0.04	32.37 0.69 -0.47	36.12 0.81 -0.70	37.22 0.48 -0.76	38.40 0.29 -0.81	39.77 0.56 -1.02	31.06 0.29 -0.43	35.07 0.37 -0.62	60.09 0.47 -2.00	49.49 0.31 -1.63	41.38 0.34 -1.18	33.51 0.29 -0.76	31.92 0.21 -0.67	20.78 0.26 -0.05	29.06 0.01 -0.68
GREENIDGE___4 23583	2.36 -0.01 0.00	10.26 -0.11 -0.11	13.84 -0.19 -0.11	18.18 -0.22 0.00	19.53 -0.15 0.00	21.13 -0.13 -0.02	13.56 0.02 0.00	14.28 0.19 0.00	17.35 0.38 0.00	21.78 0.59 -0.04	32.37 0.69 -0.47	36.12 0.81 -0.70	37.22 0.48 -0.76	38.41 0.29 -0.81	39.78 0.56 -1.02	31.07 0.29 -0.43	35.07 0.38 -0.62	60.10 0.47 -2.00	49.50 0.31 -1.63	41.38 0.35 -1.18	33.51 0.29 -0.76	31.92 0.21 -0.67	20.78 0.26 -0.05	29.07 0.02 -0.68
GREENLWN_69_KV_BK 3 55738	50.57 0.31 -47.89	68.71 1.03 -57.42	47.94 1.33 -32.69	48.98 1.67 -28.92	64.26 1.69 -42.88	32.09 1.88 -8.97	48.53 1.25 -33.74	45.88 1.43 -30.35	40.26 1.71 -21.57	35.12 2.17 -11.80	51.23 3.43 -16.59	55.28 3.83 -16.84	44.41 3.99 -4.44	94.38 4.33 -52.75	99.23 4.43 -56.61	85.03 3.31 -51.37	98.97 3.46 -61.43	235.13 5.37 -172.14	26.01 4.41 25.95	28.79 3.53 14.60	43.35 2.85 -8.04	52.66 2.83 -18.78	40.23 1.85 -17.92	41.32 2.98 -9.96
GREENWD_138_KV_38B11_REV_LBMP_J 345004	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.70 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.27 3.65 0.00	39.81 3.83 -0.01	41.68 4.07 -0.30	54.67 4.06 -12.41	67.60 2.89 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.36 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
GRISSOM___SOLAR 323813	2.68 0.30 0.00	12.40 1.20 -0.94	16.44 1.59 -0.94	20.47 2.07 0.00	21.93 2.25 0.00	23.71 2.47 0.00	15.19 1.65 0.00	15.54 1.44 0.00	18.19 1.22 0.00	22.31 1.16 0.00	32.84 1.63 0.00	37.55 2.94 0.00	39.55 3.57 0.00	39.39 2.08 0.00	41.48 3.28 0.00	32.69 2.35 0.00	36.75 2.68 0.00	66.17 8.55 0.00	55.42 7.87 0.00	46.36 6.50 0.00	37.59 5.13 0.00	35.83 4.79 0.00	23.64 2.93 -0.25	33.78 3.77 -1.64
GROVEVILLE___HYD 323602	2.62 0.24 0.00	11.77 0.87 -0.65	15.68 1.11 -0.65	19.80 1.41 0.00	21.12 1.43 0.00	22.85 1.62 0.00	14.61 1.07 0.00	15.30 1.21 0.00	18.44 1.47 0.00	23.10 1.95 0.00	34.30 3.08 0.00	38.09 3.48 0.00	39.78 3.80 0.00	41.40 4.10 0.00	43.50 4.26 -1.05	41.11 3.18 -7.58	48.91 3.37 -11.47	68.35 5.47 -5.26	59.49 4.44 -7.49	43.38 3.53 0.00	35.27 2.81 0.00	33.76 2.72 0.00	22.67 1.83 -0.37	32.08 2.58 -1.13
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	2.38 0.00 0.00	10.29 -0.02 -0.06	13.93 -0.04 -0.06	18.30 -0.06 0.03	19.59 -0.09 0.00	21.21 -0.11 -0.08	13.57 0.03 0.00	14.17 0.08 0.00	17.12 0.15 0.00	21.48 0.20 -0.13	33.07 0.33 -1.53	37.23 0.38 -2.24	38.81 0.35 -2.47	40.23 0.28 -2.64	41.49 0.39 -2.90	27.66 0.29 2.98	36.41 0.32 -2.01	64.65 0.54 -6.49	53.17 0.33 -5.28	43.95 0.28 -3.82	35.14 0.21 -2.46	33.33 0.13 -2.16	20.70 0.06 -0.18	30.04 0.00 -1.67

HAMLTNNY_34_KV_TB 80303	2.38 0.00 0.00	10.32 0.00 -0.06	13.96 -0.02 -0.06	18.34 -0.03 0.03	19.63 -0.06 0.00	21.25 -0.06 -0.08	13.60 0.06 0.00	14.21 0.12 0.00	17.18 0.20 0.00	21.55 0.26 -0.13	33.23 0.45 -1.56	37.41 0.51 -2.30	38.97 0.46 -2.53	40.33 0.32 -2.71	41.63 0.46 -2.97	28.28 0.37 2.44	36.57 0.43 -2.06	64.92 0.67 -6.63	53.44 0.49 -5.40	44.18 0.43 -3.90	35.30 0.32 -2.52	33.45 0.20 -2.20	20.74 0.10 -0.18	30.14 0.06 -1.71
HAMPSHIRE___PAPER_HYD 323593	-21.61 -0.25 23.73	-18.09 -0.69 27.66	-16.53 -0.99 29.46	-4.69 -1.32 21.77	18.46 -1.23 0.00	20.03 -1.23 -0.03	12.82 -0.72 0.00	13.54 -0.55 0.00	16.34 -0.64 0.00	20.43 -0.77 -0.05	30.58 -1.18 -0.55	34.16 -1.27 -0.82	28.27 -1.32 6.39	24.19 -1.23 11.89	37.76 -1.49 -1.06	-93.09 -1.65 121.78	33.26 -1.67 -0.86	58.22 -2.34 -2.94	48.46 -1.49 -2.39	40.63 -0.94 -1.73	32.92 -0.62 -1.07	31.32 -0.66 -0.94	19.86 -0.68 -0.08	27.75 -1.34 -0.71
HARDSCRABBLE_WT_PWR 323673	4.98 0.09 -2.52	13.53 0.35 -2.92	17.49 0.46 -3.11	21.19 0.60 -2.20	20.28 0.60 0.00	21.85 0.61 0.00	13.99 0.45 0.00	14.53 0.44 0.00	17.37 0.40 0.00	21.57 0.41 0.00	31.99 0.79 0.00	35.73 1.11 0.00	37.94 1.27 -0.70	39.65 1.12 -1.23	39.37 1.18 0.00	28.22 0.90 3.02	35.02 0.94 0.00	59.62 2.00 0.00	49.23 1.68 0.00	41.15 1.30 0.00	33.58 1.12 0.00	32.14 1.10 0.00	21.22 0.76 0.00	29.39 1.01 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	-29.79 0.23 32.40	-18.02 0.80 29.08	15.54 1.03 -0.59	19.69 1.30 0.00	21.00 1.31 0.00	22.72 1.48 0.00	14.52 0.98 0.00	15.20 1.11 0.00	18.33 1.36 0.00	22.91 1.76 0.00	34.00 2.79 0.00	37.80 3.19 0.00	39.51 3.52 0.00	41.12 3.81 0.00	46.01 3.96 -3.86	46.41 2.93 -13.14	81.19 3.09 -44.03	85.54 5.00 -22.92	73.79 4.00 -22.23	35.44 3.15 7.56	25.27 2.48 9.67	26.10 2.36 7.30	5.49 1.57 16.54	28.57 2.27 2.06
HARSNRAD_115KV_TB1 81005	2.21 -0.17 0.00	9.56 -0.79 -0.09	12.89 -1.12 -0.09	17.02 -1.37 0.00	18.33 -1.35 0.00	19.74 -1.49 0.00	12.61 -0.93 0.00	13.30 -0.79 0.00	16.19 -0.78 0.00	20.29 -0.86 0.00	29.82 -1.39 0.00	33.01 -1.60 0.00	33.63 -2.35 0.00	34.38 -2.92 0.00	35.49 -2.83 -0.13	28.19 -2.06 0.09	31.84 -2.16 0.08	53.82 -3.67 0.13	44.00 -3.38 0.18	37.47 -2.38 0.00	30.68 -1.79 0.00	29.35 -1.70 0.00	19.29 -1.17 0.00	26.78 -1.75 -0.16
HARZA MOOSE___RIVER 24016	2.21 -0.17 0.00	10.03 -0.25 -0.02	13.52 -0.42 -0.02	17.54 -0.57 0.28	19.26 -0.43 0.00	20.91 -0.36 -0.03	13.45 -0.09 0.00	14.15 0.05 0.00	17.13 0.15 0.00	21.48 0.28 -0.05	32.11 0.36 -0.55	35.84 0.43 -0.81	35.15 0.47 1.30	34.95 0.55 2.91	39.65 0.41 -1.04	-12.69 -0.13 42.91	35.11 -0.01 -1.04	62.26 0.90 -3.74	51.81 1.21 -3.05	43.29 1.24 -2.20	34.94 1.16 -1.31	33.22 1.03 -1.15	20.91 0.35 -0.10	29.26 0.00 -0.89
HDSNBRDG_115KV_BRDG_TB1 355580	2.36 -0.02 0.00	10.21 -0.10 -0.05	13.82 -0.15 -0.05	18.16 -0.20 0.03	19.45 -0.23 0.00	21.02 -0.26 -0.04	13.46 -0.08 0.00	14.06 -0.04 0.00	16.99 0.02 0.00	21.27 0.05 -0.07	32.14 0.09 -0.83	35.97 0.13 -1.23	37.43 0.10 -1.35	38.77 0.02 -1.44	39.90 0.12 -1.59	26.34 0.06 4.07	35.23 0.05 -1.11	61.31 0.10 -3.59	50.43 -0.05 -2.92	41.91 -0.06 -2.11	33.78 -0.05 -1.37	32.15 -0.09 -1.20	20.47 -0.09 -0.10	29.13 -0.21 -0.96
HELLGATE_13_KV_LD 55870	31.82 0.29 -29.15	38.59 0.99 -27.35	15.83 1.26 -0.64	19.98 1.58 0.00	21.26 1.58 0.00	23.06 1.82 0.00	14.70 1.16 0.00	15.41 1.32 0.00	18.49 1.51 0.00	23.05 1.90 0.00	34.35 3.14 0.00	38.02 3.41 0.00	39.57 3.58 0.00	41.12 3.82 0.01	42.97 3.84 -0.94	51.05 2.73 -17.97	58.01 2.93 -21.01	70.50 4.72 -8.16	58.13 3.93 -6.64	39.82 3.09 3.12	35.14 2.41 -0.27	34.67 2.33 -1.29	35.91 1.59 -13.86	34.54 2.42 -3.75
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	31.82 0.29 -29.15	38.59 0.99 -27.35	15.83 1.26 -0.64	19.98 1.58 0.00	21.26 1.58 0.00	23.06 1.82 0.00	14.70 1.16 0.00	15.41 1.32 0.00	18.49 1.51 0.00	23.05 1.90 0.00	34.35 3.14 0.00	38.02 3.41 0.00	39.57 3.58 0.00	41.12 3.82 0.01	42.97 3.84 -0.94	51.05 2.73 -17.97	58.01 2.93 -21.01	70.50 4.72 -8.16	58.13 3.93 -6.64	39.82 3.09 3.12	35.14 2.41 -0.27	34.67 2.33 -1.29	35.91 1.59 -13.86	34.54 2.42 -3.75
HEMPSTEAD____ 23647	50.56 0.29 -47.89	68.70 1.02 -57.42	47.92 1.31 -32.69	49.01 1.70 -28.92	64.30 1.73 -42.88	32.15 1.94 -8.98	48.56 1.27 -33.75	47.26 1.42 -31.75	40.24 1.69 -21.57	39.01 2.13 -15.73	51.42 3.38 -16.83	55.22 3.78 -16.84	44.40 3.98 -4.44	94.40 4.34 -52.75	99.27 4.46 -56.61	127.16 3.29 -93.53	243.25 3.57 -205.61	328.52 5.73 -265.18	100.78 4.63 -48.59	50.06 3.62 -6.59	45.54 2.86 -10.21	52.64 2.81 -18.79	40.21 1.84 -17.92	41.06 2.73 -9.96
HEWLETT_69_KV_BK3 55828	50.58 0.31 -47.89	68.83 1.15 -57.42	48.10 1.49 -32.69	49.23 1.91 -28.92	64.53 1.96 -42.88	32.40 2.20 -8.97	48.70 1.42 -33.74	47.42 1.57 -31.75	40.39 1.85 -21.57	39.05 2.17 -15.73	51.55 3.51 -16.82	55.31 3.87 -16.84	44.63 4.21 -4.44	94.46 4.41 -52.75	99.33 4.52 -56.61	118.56 3.35 -84.86	186.79 3.67 -149.04	290.27 5.94 -226.71	99.69 4.78 -47.35	50.10 3.79 -6.46	45.58 2.97 -10.14	52.77 2.94 -18.78	40.32 1.95 -17.92	41.20 2.87 -9.96
HICKLING___1 23621	2.38 0.00 0.00	10.25 -0.16 -0.15	13.87 -0.20 -0.15	18.15 -0.24 0.00	19.53 -0.15 0.00	21.12 -0.14 -0.02	13.54 0.00 0.00	14.32 0.22 0.00	17.41 0.44 0.00	21.86 0.67 -0.04	32.67 0.99 -0.47	36.50 1.19 -0.70	37.55 0.81 -0.75	38.74 0.63 -0.81	40.37 1.08 -1.09	31.50 0.72 -0.43	35.52 0.83 -0.62	60.96 1.35 -2.00	49.85 0.66 -1.62	41.40 0.37 -1.17	33.56 0.34 -0.76	31.93 0.22 -0.66	20.75 0.23 -0.05	29.31 0.19 -0.75
HICKLING___2 23622	2.38 0.00 0.00	10.25 -0.16 -0.15	13.87 -0.20 -0.15	18.15 -0.24 0.00	19.53 -0.15 0.00	21.12 -0.14 -0.02	13.54 0.00 0.00	14.32 0.22 0.00	17.41 0.44 0.00	21.86 0.67 -0.04	32.67 0.99 -0.47	36.50 1.19 -0.70	37.55 0.81 -0.75	38.74 0.63 -0.81	40.37 1.08 -1.09	31.50 0.72 -0.43	35.52 0.83 -0.62	60.96 1.35 -2.00	49.85 0.66 -1.62	41.40 0.37 -1.17	33.56 0.34 -0.76	31.93 0.22 -0.66	20.75 0.23 -0.05	29.31 0.19 -0.75
HIGH FALLS___HY 23754	2.62 0.24 0.00	11.73 0.83 -0.65	15.62 1.06 -0.65	19.72 1.32 0.00	21.02 1.33 0.00	22.76 1.52 0.00	14.55 1.01 0.00	15.25 1.16 0.00	18.41 1.44 0.00	23.05 1.90 0.00	34.18 2.96 0.00	37.98 3.37 0.00	39.70 3.72 0.00	41.36 4.06 0.00	43.15 4.46 -0.49	37.42 3.22 -3.85	42.69 3.57 -5.05	65.12 5.62 -1.89	54.87 4.63 -2.69	43.53 3.68 0.00	35.28 2.82 0.00	33.74 2.70 0.00	22.02 1.77 0.21	31.90 2.40 -1.13
HIGH_RIVER___SOLAR 323847	2.52 0.14 0.00	11.69 0.54 -0.89	15.52 0.72 -0.88	19.34 0.94 0.00	20.69 1.00 0.00	22.32 1.09 0.00	14.17 0.63 0.00	14.64 0.54 0.00	17.45 0.47 0.00	21.68 0.53 0.00	32.23 1.02 0.00	35.91 1.30 0.00	37.94 1.96 0.00	38.65 1.34 0.00	39.79 1.30 -0.29	33.57 1.38 -1.84	39.15 1.50 -3.57	62.61 3.17 -1.83	52.89 2.74 -2.60	42.15 2.29 0.00	34.32 1.86 0.00	32.85 1.80 0.00	21.93 1.18 -0.29	31.48 1.56 -1.55

HILLBURN___GT 23639	-35.21 0.22 37.81	-22.99 0.78 34.03	15.52 1.00 -0.60	19.65 1.26 0.00	20.95 1.27 0.00	22.68 1.44 0.00	14.48 0.94 0.00	15.17 1.07 0.00	18.27 1.30 0.00	22.83 1.68 0.00	33.91 2.70 0.00	37.67 3.06 0.00	39.36 3.38 0.00	40.93 3.62 0.00	45.24 3.68 -3.37	41.15 2.67 -8.13	74.63 2.89 -37.66	82.10 4.64 -19.84	67.44 3.71 -16.17	33.99 2.90 8.76	23.53 2.28 11.21	24.78 2.20 8.47	2.86 1.48 19.09	28.00 2.17 2.54
HILLSIDE_115KV_TB1 80332	2.37 -0.01 0.00	10.18 -0.24 -0.16	13.80 -0.27 -0.16	18.06 -0.34 0.00	19.39 -0.30 0.00	20.93 -0.33 -0.03	13.42 -0.12 0.00	14.17 0.08 0.00	17.21 0.24 0.00	21.59 0.39 -0.04	32.30 0.61 -0.48	36.11 0.77 -0.72	37.13 0.37 -0.78	38.33 0.20 -0.83	39.97 0.68 -1.09	31.17 0.37 -0.45	35.12 0.40 -0.64	60.29 0.60 -2.06	49.27 0.04 -1.68	40.87 -0.20 -1.21	33.10 -0.14 -0.78	31.47 -0.26 -0.69	20.48 -0.04 -0.06	29.00 -0.15 -0.77
HISHELDN_WT_PWR 323625	2.23 -0.15 0.00	9.74 -0.63 -0.11	13.16 -0.86 -0.11	17.38 -1.02 0.00	18.76 -0.92 0.00	20.24 -0.99 0.00	12.96 -0.58 0.00	13.66 -0.44 0.00	16.63 -0.35 0.00	20.86 -0.29 0.00	30.73 -0.48 0.00	34.16 -0.45 0.00	34.97 -1.01 0.00	35.87 -1.43 0.00	37.70 -1.20 -0.71	29.48 -0.87 0.00	33.21 -0.87 0.00	56.05 -1.57 0.00	45.83 -1.72 0.00	38.68 -1.17 0.00	31.59 -0.88 0.00	30.17 -0.87 0.00	19.89 -0.57 0.00	27.61 -0.95 -0.19
HOLTSVILLE_IC_1 23690	50.59 0.33 -47.89	68.81 1.13 -57.42	48.06 1.45 -32.69	49.14 1.82 -28.92	64.45 1.88 -42.88	32.34 2.12 -8.98	48.69 1.41 -33.75	74.31 1.61 -58.61	40.46 1.91 -21.57	56.79 2.38 -33.26	52.92 3.82 -17.89	55.64 4.20 -16.84	44.76 4.35 -4.44	94.72 4.66 -52.75	99.53 4.72 -56.62	214.12 3.41 -180.35	234.56 3.65 -196.84	295.49 5.70 -232.17	262.38 4.84 -209.98	82.49 3.86 -38.77	51.59 3.17 -15.96	52.97 3.13 -18.79	40.39 2.01 -17.92	41.52 3.18 -9.96
HOLTSVILLE_IC_10 23699	50.62 0.35 -47.89	68.89 1.21 -57.42	48.15 1.55 -32.69	49.26 1.95 -28.92	64.58 2.01 -42.88	32.48 2.27 -8.98	48.79 1.50 -33.75	73.12 1.73 -57.30	40.61 2.06 -21.57	58.36 2.58 -34.63	53.28 4.09 -17.97	55.96 4.51 -16.84	45.07 4.65 -4.44	95.06 5.00 -52.75	99.93 5.11 -56.63	224.78 3.70 -190.73	255.84 3.94 -217.82	308.75 6.03 -245.09	301.94 5.20 -249.18	91.15 4.24 -47.05	52.45 3.50 -16.49	53.27 3.43 -18.80	40.56 2.18 -17.92	41.77 3.43 -9.96
HOLTSVILLE_IC_2 23691	50.59 0.33 -47.89	68.81 1.13 -57.42	48.06 1.45 -32.69	49.14 1.82 -28.92	64.45 1.88 -42.88	32.34 2.12 -8.98	48.69 1.41 -33.75	74.31 1.61 -58.61	40.46 1.91 -21.57	56.79 2.38 -33.26	52.92 3.82 -17.89	55.64 4.20 -16.84	44.76 4.35 -4.44	94.72 4.66 -52.75	99.53 4.72 -56.62	214.12 3.41 -180.35	234.56 3.65 -196.84	295.49 5.70 -232.17	262.38 4.84 -209.98	82.49 3.86 -38.77	51.59 3.17 -15.96	52.97 3.13 -18.79	40.39 2.01 -17.92	41.52 3.18 -9.96
HOLTSVILLE_IC_3 23692	50.59 0.33 -47.89	68.81 1.13 -57.42	48.06 1.45 -32.69	49.14 1.82 -28.92	64.45 1.88 -42.88	32.34 2.12 -8.98	48.69 1.41 -33.75	74.31 1.61 -58.61	40.46 1.91 -21.57	56.79 2.38 -33.26	52.92 3.82 -17.89	55.64 4.20 -16.84	44.76 4.35 -4.44	94.72 4.66 -52.75	99.53 4.72 -56.62	214.12 3.41 -180.35	234.56 3.65 -196.84	295.49 5.70 -232.17	262.38 4.84 -209.98	82.49 3.86 -38.77	51.59 3.17 -15.96	52.97 3.13 -18.79	40.39 2.01 -17.92	41.52 3.18 -9.96
HOLTSVILLE_IC_4 23693	50.59 0.33 -47.89	68.81 1.13 -57.42	48.06 1.45 -32.69	49.14 1.82 -28.92	64.45 1.88 -42.88	32.34 2.12 -8.98	48.69 1.41 -33.75	74.31 1.61 -58.61	40.46 1.91 -21.57	56.79 2.38 -33.26	52.92 3.82 -17.89	55.64 4.20 -16.84	44.76 4.35 -4.44	94.72 4.66 -52.75	99.53 4.72 -56.62	214.12 3.41 -180.35	234.56 3.65 -196.84	295.49 5.70 -232.17	262.38 4.84 -209.98	82.49 3.86 -38.77	51.59 3.17 -15.96	52.97 3.13 -18.79	40.39 2.01 -17.92	41.52 3.18 -9.96
HOLTSVILLE_IC_5 23694	50.59 0.33 -47.89	68.81 1.13 -57.42	48.06 1.45 -32.69	49.14 1.82 -28.92	64.45 1.88 -42.88	32.34 2.12 -8.98	48.69 1.41 -33.75	74.31 1.61 -58.61	40.46 1.91 -21.57	56.79 2.38 -33.26	52.92 3.82 -17.89	55.64 4.20 -16.84	44.76 4.35 -4.44	94.72 4.66 -52.75	99.53 4.72 -56.62	214.12 3.41 -180.35	234.56 3.65 -196.84	295.49 5.70 -232.17	262.38 4.84 -209.98	82.49 3.86 -38.77	51.59 3.17 -15.96	52.97 3.13 -18.79	40.39 2.01 -17.92	41.52 3.18 -9.96
HOLTSVILLE_IC_6 23695	50.62 0.35 -47.89	68.89 1.21 -57.42	48.15 1.55 -32.69	49.26 1.95 -28.92	64.58 2.01 -42.88	32.48 2.27 -8.98	48.79 1.50 -33.75	73.12 1.73 -57.30	40.61 2.06 -21.57	58.36 2.58 -34.63	53.28 4.09 -17.97	55.96 4.51 -16.84	45.07 4.65 -4.44	95.06 5.00 -52.75	99.93 5.11 -56.63	224.78 3.70 -190.73	255.84 3.94 -217.82	308.75 6.03 -245.09	301.94 5.20 -249.18	91.15 4.24 -47.05	52.45 3.50 -16.49	53.27 3.43 -18.80	40.56 2.18 -17.92	41.77 3.43 -9.96
HOLTSVILLE_IC_7 23696	50.62 0.35 -47.89	68.89 1.21 -57.42	48.15 1.55 -32.69	49.26 1.95 -28.92	64.58 2.01 -42.88	32.48 2.27 -8.98	48.79 1.50 -33.75	73.12 1.73 -57.30	40.61 2.06 -21.57	58.36 2.58 -34.63	53.28 4.09 -17.97	55.96 4.51 -16.84	45.07 4.65 -4.44	95.06 5.00 -52.75	99.93 5.11 -56.63	224.78 3.70 -190.73	255.84 3.94 -217.82	308.75 6.03 -245.09	301.94 5.20 -249.18	91.15 4.24 -47.05	52.45 3.50 -16.49	53.27 3.43 -18.80	40.56 2.18 -17.92	41.77 3.43 -9.96
HOLTSVILLE_IC_8 23697	50.62 0.35 -47.89	68.89 1.21 -57.42	48.15 1.55 -32.69	49.26 1.95 -28.92	64.58 2.01 -42.88	32.48 2.27 -8.98	48.79 1.50 -33.75	73.12 1.73 -57.30	40.61 2.06 -21.57	58.36 2.58 -34.63	53.28 4.09 -17.97	55.96 4.51 -16.84	45.07 4.65 -4.44	95.06 5.00 -52.75	99.93 5.11 -56.63	224.78 3.70 -190.73	255.84 3.94 -217.82	308.75 6.03 -245.09	301.94 5.20 -249.18	91.15 4.24 -47.05	52.45 3.50 -16.49	53.27 3.43 -18.80	40.56 2.18 -17.92	41.77 3.43 -9.96
HOLTSVILLE_IC_9 23698	50.62 0.35 -47.89	68.89 1.21 -57.42	48.15 1.55 -32.69	49.26 1.95 -28.92	64.58 2.01 -42.88	32.48 2.27 -8.98	48.79 1.50 -33.75	73.12 1.73 -57.30	40.61 2.06 -21.57	58.36 2.58 -34.63	53.28 4.09 -17.97	55.96 4.51 -16.84	45.07 4.65 -4.44	95.06 5.00 -52.75	99.93 5.11 -56.63	224.78 3.70 -190.73	255.84 3.94 -217.82	308.75 6.03 -245.09	301.94 5.20 -249.18	91.15 4.24 -47.05	52.45 3.50 -16.49	53.27 3.43 -18.80	40.56 2.18 -17.92	41.77 3.43 -9.96
HOMER_HL_115KV_TB2 355744	2.26 -0.11 0.00	9.98 -0.39 -0.11	13.58 -0.45 -0.11	17.92 -0.48 0.00	19.29 -0.40 0.00	20.79 -0.44 0.00	13.26 -0.28 0.00	13.92 -0.17 0.00	16.95 -0.02 0.00	21.28 0.12 0.00	31.26 0.04 0.00	34.69 0.08 0.00	35.49 -0.49 0.00	36.49 -0.82 0.00	38.32 -0.54 -0.67	29.81 -0.54 0.00	33.51 -0.57 0.00	56.67 -0.95 0.00	46.10 -1.45 0.00	38.85 -1.00 0.00	31.59 -0.87 0.00	30.18 -0.87 0.00	19.95 -0.51 0.00	28.02 -0.55 -0.20
HOWARD_WT_PWR 323690	2.22 -0.16 0.00	9.85 -0.54 -0.13	13.24 -0.81 -0.13	17.51 -0.88 0.00	19.06 -0.62 0.00	20.61 -0.64 -0.02	13.16 -0.38 0.00	13.95 -0.14 0.00	17.03 0.06 0.00	21.46 0.27 -0.03	32.02 0.46 -0.34	35.89 0.77 -0.52	36.96 0.42 -0.56	38.11 0.21 -0.59	39.78 0.59 -0.99	31.05 0.39 -0.32	34.96 0.43 -0.46	59.80 0.70 -1.48	48.94 0.17 -1.20	40.91 0.18 -0.87	33.31 0.28 -0.56	31.81 0.27 -0.49	20.71 0.20 -0.04	29.00 0.05 -0.58

HQ_GEN_CEDARS 23644	-3.70 -0.13 5.95	2.94 -0.42 6.90	6.02 -0.56 7.35	10.87 -0.71 6.82	18.99 -0.69 0.00	20.52 -0.72 0.00	12.99 -0.55 0.00	13.51 -0.59 0.00	16.18 -0.79 0.00	20.18 -0.97 0.00	29.64 -1.57 0.00	32.87 -1.74 0.00	21.43 -1.96 12.60	13.21 -1.89 22.20	36.25 -1.94 0.00	-218.53 -1.43 247.45	32.69 -1.38 0.00	54.89 -2.73 0.00	45.92 -1.64 0.00	38.69 -1.16 0.00	31.51 -0.95 0.00	30.08 -0.97 0.00	19.77 -0.69 0.00	27.41 -0.97 0.00
HQ_GEN_CEDARS_PROXY 323590	-7.03 -0.13 9.28	2.94 -0.43 6.90	6.02 -0.56 7.35	10.87 -0.71 6.82	18.99 -0.69 0.00	22.09 -0.72 -1.57	12.99 -0.55 0.00	13.51 -0.59 0.00	16.18 -0.79 0.00	20.18 -0.97 0.00	29.64 -1.57 0.00	32.87 -1.74 0.00	21.43 -1.96 12.60	13.21 -1.89 22.20	36.25 -1.95 0.00	-218.54 -1.43 247.45	32.69 -1.38 0.00	28.35 -2.73 26.54	23.15 -1.64 22.77	18.87 -1.16 19.82	15.28 -0.95 16.23	14.54 -0.97 15.54	17.62 -0.69 2.15	27.41 -0.97 0.00
HQ_GEN_IMPORT 323601	-2.63 -0.07 4.93	8.22 -0.23 1.81	11.69 -0.30 1.93	16.70 -0.37 1.32	19.33 -0.36 0.00	20.87 -0.37 0.00	13.21 -0.33 0.00	13.72 -0.37 0.00	16.52 -0.46 0.00	20.59 -0.56 0.00	30.28 -0.93 0.00	33.59 -1.02 0.00	31.82 -1.15 3.01	30.86 -1.13 5.31	37.06 -1.13 0.00	27.30 -0.79 2.26	0.00 -0.78 33.29	0.00 -1.30 56.31	0.00 -0.96 46.60	0.00 -0.73 39.12	0.00 -0.61 31.85	7.38 -0.63 23.03	20.01 -0.46 0.00	21.00 -0.61 6.77
HQ_GEN_WHEEL 23651	-2.63 -0.07 4.93	8.22 -0.23 1.81	11.69 -0.30 1.93	16.70 -0.37 1.32	19.33 -0.36 0.00	20.87 -0.37 0.00	13.21 -0.33 0.00	13.72 -0.37 0.00	16.52 -0.46 0.00	20.59 -0.56 0.00	30.28 -0.93 0.00	33.59 -1.02 0.00	31.82 -1.15 3.01	30.86 -1.13 5.31	37.06 -1.13 0.00	27.30 -0.79 2.26	0.00 -0.78 33.29	0.00 -1.30 56.31	0.00 -0.96 46.60	0.00 -0.73 39.12	0.00 -0.61 31.85	7.38 -0.63 23.03	20.01 -0.46 0.00	21.00 -0.61 6.77
HUDSON AVE_GT_3 23810	31.82 0.28 -29.16	38.59 0.98 -27.35	15.80 1.24 -0.64	19.96 1.56 0.00	21.27 1.58 0.00	23.04 1.80 0.00	14.71 1.18 0.00	15.43 1.34 0.00	18.57 1.59 0.00	23.19 2.04 0.00	34.47 3.26 0.00	38.22 3.61 0.00	39.80 3.81 0.00	41.36 4.06 0.00	43.95 4.09 -1.67	54.89 2.95 -21.59	58.26 3.19 -21.00	71.88 5.12 -9.14	73.49 4.21 -21.73	49.50 3.32 -6.33	43.17 2.62 -8.09	39.69 2.53 -6.11	36.30 1.72 -14.11	34.68 2.56 -3.75
HUDSON AVE_GT_4 23540	31.82 0.28 -29.16	38.59 0.98 -27.35	15.80 1.24 -0.64	19.96 1.56 0.00	21.27 1.58 0.00	23.04 1.80 0.00	14.71 1.18 0.00	15.43 1.34 0.00	18.57 1.59 0.00	23.19 2.04 0.00	34.47 3.26 0.00	38.22 3.61 0.00	39.80 3.81 0.00	41.36 4.06 0.00	43.95 4.09 -1.67	54.89 2.95 -21.59	58.26 3.19 -21.00	71.88 5.12 -9.14	73.49 4.21 -21.73	49.50 3.32 -6.33	43.17 2.62 -8.09	39.69 2.53 -6.11	36.30 1.72 -14.11	34.68 2.56 -3.75
HUDSON AVE_GT_5 23657	31.82 0.28 -29.16	38.59 0.98 -27.35	15.80 1.24 -0.64	19.96 1.56 0.00	21.27 1.58 0.00	23.04 1.80 0.00	14.71 1.18 0.00	15.43 1.34 0.00	18.57 1.59 0.00	23.19 2.04 0.00	34.47 3.26 0.00	38.22 3.61 0.00	39.80 3.81 0.00	41.36 4.06 0.00	43.95 4.09 -1.67	54.89 2.95 -21.59	58.26 3.19 -21.00	71.88 5.12 -9.14	73.49 4.21 -21.73	49.50 3.32 -6.33	43.17 2.62 -8.09	39.69 2.53 -6.11	36.30 1.72 -14.11	34.68 2.56 -3.75
HUDSON_AVE_10 24168	31.81 0.27 -29.16	38.56 0.95 -27.35	15.76 1.20 -0.64	19.91 1.51 0.00	21.21 1.52 0.00	22.98 1.75 0.00	14.68 1.14 0.00	15.39 1.30 0.00	18.51 1.54 0.00	23.12 1.97 0.00	34.38 3.17 0.00	38.09 3.48 0.00	39.66 3.68 0.00	41.23 3.93 0.00	43.83 3.97 -1.67	54.79 2.86 -21.59	58.18 3.10 -21.00	71.73 4.97 -9.14	73.36 4.07 -21.73	49.39 3.22 -6.33	43.08 2.53 -8.09	39.59 2.44 -6.11	36.22 1.65 -14.11	34.57 2.46 -3.75
HUDSON___115KV_TB 4 355613	6.60 0.16 -4.06	15.43 0.65 -4.52	15.56 0.85 -0.80	19.51 1.11 0.00	20.85 1.16 0.00	22.44 1.21 0.00	14.38 0.84 0.00	14.92 0.83 0.00	17.86 0.88 0.00	22.17 1.02 0.00	32.70 1.48 0.00	35.99 1.37 0.00	37.49 1.51 0.00	38.96 1.66 0.00	40.40 1.83 -0.37	34.52 1.72 -2.45	40.19 1.64 -4.47	62.33 2.51 -2.20	52.84 2.15 -3.13	41.72 1.87 0.00	34.07 1.61 0.00	32.63 1.59 0.00	21.92 1.18 -0.28	31.45 1.68 -1.40
HUNTER MOUNT___DRP 323613	2.55 0.16 0.00	11.73 0.69 -0.78	15.61 0.92 -0.77	19.61 1.21 0.00	20.96 1.28 0.00	22.56 1.32 0.00	14.46 0.91 0.00	15.01 0.91 0.00	17.94 0.97 0.00	22.26 1.11 0.00	32.72 1.51 0.00	35.95 1.33 0.00	37.47 1.49 0.00	38.95 1.65 0.00	40.53 1.93 -0.40	34.97 1.88 -2.74	40.43 1.70 -4.65	62.44 2.66 -2.17	53.00 2.35 -3.09	41.91 2.06 0.00	34.23 1.77 0.00	32.79 1.75 0.00	21.95 1.29 -0.19	31.59 1.87 -1.35
HUNTINGTON_RES_REC 323705	50.60 0.33 -47.89	68.81 1.13 -57.42	48.06 1.45 -32.69	49.12 1.81 -28.92	64.42 1.85 -42.88	32.28 2.07 -8.98	48.65 1.37 -33.75	87.98 1.57 -72.31	40.44 1.89 -21.57	83.66 2.39 -60.12	54.47 3.74 -19.51	55.62 4.18 -16.84	44.74 4.32 -4.44	94.76 4.70 -52.75	99.67 4.82 -56.66	389.92 3.59 -355.98	486.36 3.81 -448.48	431.70 6.01 -368.08	724.90 4.96 -672.39	182.71 3.94 -138.93	61.31 3.20 -25.65	52.99 3.13 -18.81	40.39 2.01 -17.92	41.55 3.22 -9.96
HUNTLEY___63 23557	2.24 -0.13 0.00	9.71 -0.64 -0.09	13.11 -0.90 -0.09	17.27 -1.12 0.00	18.59 -1.10 0.00	20.01 -1.22 0.00	12.79 -0.75 0.00	13.49 -0.60 0.00	16.41 -0.56 0.00	20.58 -0.58 0.00	30.20 -1.01 0.00	33.46 -1.15 0.00	34.09 -1.89 0.00	34.86 -2.44 0.00	36.35 -2.34 -0.50	28.73 -1.62 -0.01	32.44 -1.65 -0.01	54.79 -2.84 -0.01	44.87 -2.70 -0.02	37.98 -1.87 0.00	31.06 -1.41 0.00	29.75 -1.29 0.00	19.60 -0.87 0.00	27.17 -1.37 -0.16
HUNTLEY___64 23558	2.24 -0.13 0.00	9.71 -0.64 -0.09	13.11 -0.90 -0.09	17.27 -1.12 0.00	18.59 -1.10 0.00	20.01 -1.22 0.00	12.79 -0.75 0.00	13.49 -0.60 0.00	16.41 -0.56 0.00	20.58 -0.58 0.00	30.20 -1.01 0.00	33.46 -1.15 0.00	34.09 -1.89 0.00	34.86 -2.44 0.00	36.35 -2.34 -0.50	28.73 -1.62 -0.01	32.44 -1.65 -0.01	54.79 -2.84 -0.01	44.87 -2.70 -0.02	37.98 -1.87 0.00	31.06 -1.41 0.00	29.75 -1.29 0.00	19.60 -0.87 0.00	27.17 -1.37 -0.16
HUNTLEY___65 23559	2.24 -0.13 0.00	9.71 -0.64 -0.09	13.11 -0.90 -0.09	17.27 -1.12 0.00	18.59 -1.10 0.00	20.01 -1.22 0.00	12.79 -0.75 0.00	13.49 -0.60 0.00	16.41 -0.56 0.00	20.58 -0.58 0.00	30.20 -1.01 0.00	33.46 -1.15 0.00	34.09 -1.89 0.00	34.86 -2.44 0.00	36.35 -2.34 -0.50	28.73 -1.62 -0.01	32.44 -1.65 -0.01	54.79 -2.84 -0.01	44.87 -2.70 -0.02	37.98 -1.87 0.00	31.06 -1.41 0.00	29.75 -1.29 0.00	19.60 -0.87 0.00	27.17 -1.37 -0.16
HUNTLEY___66 23560	2.24 -0.13 0.00	9.71 -0.64 -0.09	13.11 -0.90 -0.09	17.27 -1.12 0.00	18.59 -1.10 0.00	20.01 -1.22 0.00	12.79 -0.75 0.00	13.49 -0.60 0.00	16.41 -0.56 0.00	20.58 -0.58 0.00	30.20 -1.01 0.00	33.46 -1.15 0.00	34.09 -1.89 0.00	34.86 -2.44 0.00	36.35 -2.34 -0.50	28.73 -1.62 -0.01	32.44 -1.65 -0.01	54.79 -2.84 -0.01	44.87 -2.70 -0.02	37.98 -1.87 0.00	31.06 -1.41 0.00	29.75 -1.29 0.00	19.60 -0.87 0.00	27.17 -1.37 -0.16



HUNTLEY___67 23561	2.23 -0.15 0.00	9.67 -0.69 -0.10	13.06 -0.95 -0.10	17.23 -1.17 0.00	18.55 -1.14 0.00	19.96 -1.27 0.00	12.76 -0.78 0.00	13.44 -0.66 0.00	16.36 -0.61 0.00	20.52 -0.63 0.00	30.18 -1.03 0.00	33.47 -1.14 0.00	34.17 -1.82 0.00	34.98 -2.33 0.00	37.88 -2.21 -1.89	28.77 -1.58 0.00	32.46 -1.61 0.00	54.86 -2.76 0.00	44.90 -2.66 0.00	37.96 -1.89 0.00	31.00 -1.46 0.00	29.63 -1.41 0.00	19.50 -0.96 0.00	27.10 -1.44 -0.17
HUNTLEY___68 23562	2.23 -0.15 0.00	9.67 -0.69 -0.10	13.06 -0.95 -0.10	17.23 -1.17 0.00	18.55 -1.14 0.00	19.96 -1.27 0.00	12.76 -0.78 0.00	13.44 -0.66 0.00	16.36 -0.61 0.00	20.52 -0.63 0.00	30.18 -1.03 0.00	33.47 -1.14 0.00	34.17 -1.82 0.00	34.98 -2.33 0.00	37.88 -2.21 -1.89	28.77 -1.58 0.00	32.46 -1.61 0.00	54.86 -2.76 0.00	44.90 -2.66 0.00	37.96 -1.89 0.00	31.00 -1.46 0.00	29.63 -1.41 0.00	19.50 -0.96 0.00	27.10 -1.44 -0.17
HYLAND___LFG 323620	2.33 -0.05 0.00	10.13 -0.23 -0.10	13.64 -0.37 -0.10	17.96 -0.44 0.00	19.39 -0.29 0.00	20.99 -0.24 0.00	13.51 -0.03 0.00	14.23 0.13 0.00	17.20 0.23 0.00	21.52 0.37 0.00	31.24 0.03 0.00	33.64 -0.97 0.00	33.63 -2.35 0.00	34.52 -2.78 0.00	36.46 -1.93 -0.19	28.50 -1.84 0.00	31.53 -2.55 0.00	53.19 -4.43 0.00	43.97 -3.59 0.00	37.09 -2.76 0.00	32.73 0.27 0.00	31.76 0.72 0.00	20.81 0.35 0.00	28.74 0.19 -0.18
INDECK___CORINTH 23802	6.95 0.11 -4.46	15.69 0.49 -4.94	15.50 0.73 -0.85	19.37 0.97 0.00	20.73 1.05 0.00	22.35 1.12 0.00	14.33 0.79 0.00	14.96 0.87 0.00	17.97 1.00 0.00	22.24 1.09 0.00	32.63 1.42 0.00	36.30 1.69 0.00	38.09 2.11 0.00	39.39 2.08 0.00	40.42 1.90 -0.33	33.75 1.33 -2.07	39.56 1.46 -4.02	62.74 3.06 -2.06	53.51 3.02 -2.93	42.23 2.37 0.00	34.52 2.05 0.00	33.07 2.03 0.00	22.12 1.33 -0.33	31.51 1.64 -1.50
INDECK___ILION 23567	4.96 0.06 -2.52	13.42 0.23 -2.92	17.34 0.31 -3.11	20.99 0.40 -2.20	20.08 0.39 0.00	21.64 0.41 0.00	13.84 0.30 0.00	14.40 0.31 0.00	17.28 0.30 0.00	21.48 0.33 0.00	31.80 0.58 0.00	35.39 0.78 0.00	37.56 0.88 -0.70	39.34 0.81 -1.23	39.04 0.84 0.00	27.95 0.63 3.02	34.72 0.64 0.00	58.93 1.31 0.00	48.64 1.08 0.00	40.69 0.84 0.00	33.18 0.72 0.00	31.76 0.71 0.00	20.95 0.49 0.00	29.02 0.65 0.00
INDECK___OLEAN 23982	2.26 -0.12 0.00	9.98 -0.39 -0.11	13.58 -0.44 -0.11	17.93 -0.47 0.00	19.29 -0.40 0.00	20.80 -0.44 0.00	13.26 -0.27 0.00	13.93 -0.17 0.00	16.95 -0.02 0.00	21.28 0.12 0.00	31.26 0.05 0.00	34.70 0.09 0.00	35.51 -0.47 0.00	36.51 -0.80 0.00	38.34 -0.53 -0.67	29.85 -0.50 0.00	33.53 -0.54 0.00	56.69 -0.93 0.00	46.10 -1.46 0.00	38.85 -1.00 0.00	31.60 -0.87 0.00	30.18 -0.86 0.00	19.96 -0.50 0.00	28.02 -0.55 -0.20
INDECK___OSWEGO 23783	-0.54 -0.06 2.86	6.74 -0.23 3.29	10.08 -0.33 3.51	15.36 -0.45 2.58	19.19 -0.50 0.00	20.88 -0.55 -0.19	13.27 -0.26 0.00	13.86 -0.24 0.00	16.73 -0.25 0.00	21.15 -0.31 -0.31	34.39 -0.45 -3.63	39.46 -0.49 -5.34	41.36 -0.53 -5.91	42.99 -0.63 -6.31	44.52 -0.60 -6.93	24.81 -0.58 4.96	38.23 -0.64 -4.79	72.07 -0.99 -15.43	59.21 -0.91 -12.56	48.22 -0.71 -9.08	37.76 -0.56 -5.85	35.62 -0.55 -5.12	20.49 -0.40 -0.42	31.52 -0.65 -3.80
INDECK___YERKES 23781	2.24 -0.14 0.00	9.73 -0.63 -0.09	13.13 -0.88 -0.09	17.30 -1.09 0.00	18.62 -1.07 0.00	20.04 -1.19 0.00	12.81 -0.73 0.00	13.52 -0.58 0.00	16.44 -0.53 0.00	20.60 -0.56 0.00	30.23 -0.98 0.00	33.48 -1.13 0.00	34.11 -1.87 0.00	34.89 -2.41 0.00	36.40 -2.29 -0.50	28.80 -1.55 -0.01	32.49 -1.60 -0.01	54.82 -2.81 -0.01	44.87 -2.70 -0.02	38.00 -1.85 0.00	31.08 -1.39 0.00	29.80 -1.25 0.00	19.65 -0.82 0.00	27.22 -1.32 -0.16
INDIAN POINT_GT_1 24139	36.82 0.23 -34.21	43.04 0.81 -31.97	15.59 1.04 -0.63	19.70 1.31 0.00	21.01 1.32 0.00	22.74 1.50 0.00	14.52 0.99 0.00	15.21 1.12 0.00	18.31 1.34 0.00	22.86 1.71 0.00	33.96 2.75 0.00	37.68 3.07 0.00	39.30 3.32 0.00	40.85 3.54 0.00	43.61 3.59 -1.82	135.01 2.60 -102.06	73.63 2.81 -36.74	72.25 4.50 -10.13	142.82 3.64 -91.62	98.75 2.86 -56.03	106.40 2.26 -71.67	87.37 2.21 -54.12	133.72 1.50 -111.75	54.84 2.22 -24.25
INDIAN POINT_GT_2 23659	36.82 0.23 -34.21	43.04 0.81 -31.97	15.59 1.04 -0.63	19.70 1.31 0.00	21.01 1.32 0.00	22.74 1.50 0.00	14.52 0.99 0.00	15.21 1.12 0.00	18.31 1.34 0.00	22.86 1.71 0.00	33.96 2.75 0.00	37.68 3.07 0.00	39.30 3.32 0.00	40.85 3.54 0.00	43.61 3.59 -1.82	135.01 2.60 -102.06	73.63 2.81 -36.74	72.25 4.50 -10.13	142.82 3.64 -91.62	98.75 2.86 -56.03	106.40 2.26 -71.67	87.37 2.21 -54.12	133.72 1.50 -111.75	54.84 2.22 -24.25
INDIAN POINT_GT_3 24019	36.82 0.23 -34.21	43.04 0.81 -31.97	15.59 1.04 -0.63	19.70 1.31 0.00	21.01 1.32 0.00	22.74 1.50 0.00	14.52 0.99 0.00	15.21 1.12 0.00	18.31 1.34 0.00	22.86 1.71 0.00	33.96 2.75 0.00	37.68 3.07 0.00	39.30 3.32 0.00	40.85 3.54 0.00	43.61 3.59 -1.82	135.01 2.60 -102.06	73.63 2.81 -36.74	72.25 4.50 -10.13	142.82 3.64 -91.62	98.75 2.86 -56.03	106.40 2.26 -71.67	87.37 2.21 -54.12	133.72 1.50 -111.75	54.84 2.22 -24.25
INDIAN POINT___2 23530	48.86 0.23 -46.26	54.04 0.79 -42.99	15.54 1.00 -0.62	19.66 1.27 0.00	20.96 1.28 0.00	22.69 1.45 0.00	14.49 0.95 0.00	15.17 1.08 0.00	18.26 1.29 0.00	22.80 1.65 0.00	33.87 2.66 0.00	37.59 2.98 0.00	39.22 3.24 0.00	40.77 3.47 0.00	43.69 3.51 -1.99	19.70 2.53 13.17	55.43 2.74 -18.61	73.21 4.38 -11.21	44.08 3.54 7.03	25.95 2.78 16.69	13.31 2.19 21.34	17.05 2.13 16.12	-8.64 1.45 30.55	24.74 2.15 5.78
INDIAN POINT___3 23531	37.71 0.23 -35.11	43.84 0.79 -32.79	15.56 1.01 -0.63	19.67 1.28 0.00	20.97 1.29 0.00	22.70 1.46 0.00	14.50 0.96 0.00	15.18 1.08 0.00	18.26 1.29 0.00	22.80 1.65 0.00	33.87 2.66 0.00	37.58 2.97 0.00	39.20 3.22 0.00	40.74 3.44 0.00	43.51 3.48 -1.83	39.98 2.51 -7.12	57.07 2.71 -20.29	72.10 4.33 -10.16	60.88 3.50 -9.82	39.22 2.75 3.38	30.31 2.17 4.33	29.90 2.13 3.28	17.06 1.45 4.86	30.22 2.14 0.29
INGHAM_C_115KV_TB7 356103	5.00 0.10 -2.52	13.58 0.40 -2.92	17.55 0.52 -3.11	21.27 0.67 -2.20	20.34 0.66 0.00	21.91 0.67 0.00	14.04 0.50 0.00	14.57 0.47 0.00	17.38 0.41 0.00	21.54 0.39 0.00	32.00 0.79 0.00	35.80 1.19 0.00	38.05 1.37 -0.70	39.69 1.16 -1.23	39.44 1.24 0.00	28.27 0.95 3.02	35.03 0.96 0.00	59.81 2.19 0.00	49.39 1.84 0.00	41.28 1.42 0.00	33.70 1.24 0.00	32.27 1.23 0.00	21.32 0.86 0.00	29.52 1.15 0.00
IP CORINTH___1 23988	6.97 0.13 -4.46	15.75 0.55 -4.94	15.57 0.80 -0.85	19.47 1.08 0.00	20.84 1.15 0.00	22.48 1.24 0.00	14.41 0.87 0.00	15.04 0.94 0.00	18.07 1.10 0.00	22.36 1.21 0.00	32.82 1.61 0.00	36.50 1.89 0.00	38.30 2.32 0.00	39.59 2.29 0.00	40.65 2.12 -0.33	33.92 1.50 -2.07	39.74 1.65 -4.02	63.05 3.38 -2.06	53.78 3.29 -2.93	42.45 2.60 0.00	34.71 2.25 0.00	33.25 2.20 0.00	22.23 1.44 -0.33	31.67 1.80 -1.50

IP___TICONDEROGA 23804	7.01 0.15 -4.49	16.12 0.89 -4.97	16.24 1.47 -0.85	20.51 2.12 0.00	22.08 2.40 0.00	23.77 2.54 0.00	15.30 1.76 0.00	16.00 1.91 0.00	19.23 2.26 0.00	23.49 2.33 0.00	34.38 3.17 0.00	38.30 3.69 0.00	40.19 4.21 0.00	42.07 4.76 0.00	43.32 4.80 -0.33	35.80 3.37 -2.09	41.83 3.71 -4.05	67.50 7.81 -2.07	57.69 7.18 -2.95	45.43 5.57 0.00	36.86 4.40 0.00	35.22 4.18 0.00	23.52 2.73 -0.33	33.54 3.68 -1.49
ISLIP_RES_REC 323679	50.63 0.36 -47.89	68.96 1.28 -57.42	48.25 1.64 -32.69	49.38 2.06 -28.92	64.70 2.13 -42.88	32.61 2.40 -8.98	48.88 1.59 -33.75	71.07 1.83 -55.14	40.75 2.20 -21.57	56.87 2.78 -32.94	53.47 4.39 -17.87	56.28 4.84 -16.84	45.41 4.99 -4.44	95.41 5.35 -52.75	100.32 5.49 -56.63	215.01 4.04 -180.62	245.87 4.32 -207.47	304.92 6.74 -240.56	283.44 5.74 -230.14	87.57 4.66 -43.06	52.17 3.81 -15.90	53.55 3.71 -18.79	40.73 2.35 -17.92	41.99 3.65 -9.96
JAMAICA__27_KV_LOAD 355505	31.83 0.29 -29.16	38.66 1.05 -27.35	15.89 1.33 -0.64	20.08 1.69 0.00	21.38 1.70 0.00	23.18 1.94 0.00	14.82 1.28 0.00	15.55 1.45 0.00	18.66 1.69 0.00	23.29 2.14 0.00	34.67 3.46 0.00	38.38 3.77 0.00	39.95 3.97 0.00	41.60 4.30 0.00	44.22 4.35 -1.67	55.13 3.19 -21.59	58.64 3.56 -21.00	72.50 5.74 -9.14	73.97 4.68 -21.73	49.92 3.74 -6.33	43.48 2.93 -8.09	39.96 2.80 -6.11	36.41 1.84 -14.11	34.84 2.73 -3.75
JANIS___SOLAR 323808	2.48 0.10 0.00	10.83 0.40 -0.17	14.64 0.55 -0.16	19.10 0.70 0.00	20.35 0.66 0.00	22.04 0.77 -0.04	14.15 0.61 0.00	14.79 0.69 0.00	17.94 0.96 0.00	22.60 1.39 -0.06	33.97 2.07 -0.69	37.80 2.11 -1.08	38.99 1.88 -1.13	40.48 1.96 -1.21	41.97 2.38 -1.40	33.01 2.02 -0.65	37.36 2.36 -0.92	64.84 4.25 -2.98	53.49 3.51 -2.42	44.50 2.91 -1.75	35.90 2.30 -1.13	34.11 2.08 -0.99	21.81 1.26 -0.08	30.92 1.54 -1.01
JARVIS____ 23743	4.92 0.03 -2.52	13.28 0.10 -2.92	17.15 0.12 -3.11	20.76 0.17 -2.20	19.85 0.16 0.00	21.41 0.17 0.00	13.67 0.14 0.00	14.25 0.15 0.00	17.14 0.17 0.00	21.37 0.21 0.00	31.55 0.34 0.00	35.00 0.39 0.00	37.11 0.43 -0.70	38.96 0.43 -1.23	38.62 0.42 0.00	27.62 0.30 3.02	34.37 0.29 0.00	58.09 0.46 0.00	47.93 0.38 0.00	40.14 0.28 0.00	32.71 0.24 0.00	31.29 0.25 0.00	20.64 0.18 0.00	28.62 0.24 0.00
JENNISON___1 23625	2.50 0.12 0.00	10.96 0.49 -0.21	14.80 0.68 -0.21	19.17 0.78 0.00	20.29 0.60 0.00	21.97 0.71 -0.03	14.12 0.58 0.00	14.73 0.63 0.00	17.91 0.94 0.00	22.57 1.38 -0.04	33.86 2.15 -0.50	37.88 2.43 -0.84	38.94 2.16 -0.80	40.53 2.37 -0.85	41.96 2.75 -1.01	33.15 2.26 -0.54	37.22 2.44 -0.70	64.02 4.31 -2.09	52.90 3.64 -1.70	44.00 2.92 -1.23	35.57 2.31 -0.80	33.84 2.11 -0.70	21.88 1.36 -0.06	30.96 1.72 -0.87
JENNISON___2 23626	2.50 0.12 0.00	10.96 0.49 -0.21	14.80 0.68 -0.21	19.17 0.78 0.00	20.29 0.60 0.00	21.97 0.71 -0.03	14.12 0.58 0.00	14.73 0.63 0.00	17.91 0.94 0.00	22.57 1.38 -0.04	33.86 2.15 -0.50	37.88 2.43 -0.84	38.94 2.16 -0.80	40.53 2.37 -0.85	41.96 2.75 -1.01	33.15 2.26 -0.54	37.22 2.44 -0.70	64.02 4.31 -2.09	52.90 3.64 -1.70	44.00 2.92 -1.23	35.57 2.31 -0.80	33.84 2.11 -0.70	21.88 1.36 -0.06	30.96 1.72 -0.87
JERICHO_RISE_WT_PWR 323719	-2.07 -0.19 4.25	4.73 -0.57 4.96	7.98 -0.65 5.28	13.79 -0.73 3.88	19.03 -0.65 0.00	20.63 -0.61 0.00	13.03 -0.50 0.00	13.56 -0.54 0.00	16.30 -0.67 0.00	20.29 -0.86 0.00	29.56 -1.65 0.00	32.83 -1.79 0.00	20.90 -1.99 13.09	12.21 -2.02 23.07	36.12 -2.07 0.00	10.90 -1.54 17.91	32.51 -1.56 0.00	55.74 -1.88 0.00	46.16 -1.40 0.00	38.66 -1.19 0.00	31.43 -1.04 0.00	30.08 -0.97 0.00	19.95 -0.51 0.00	27.65 -0.72 0.00
KATONAH___115KV_46KV_TB4 355592	20.43 0.25 -17.80	28.11 0.89 -16.96	15.72 1.15 -0.65	19.85 1.45 0.00	21.15 1.47 0.00	22.90 1.67 0.00	14.64 1.10 0.00	15.33 1.24 0.00	18.46 1.49 0.00	23.05 1.90 0.00	34.26 3.05 0.00	38.03 3.42 0.00	39.68 3.70 0.00	41.29 3.99 0.00	43.68 4.07 -1.41	50.02 3.01 -16.66	55.07 3.13 -17.86	70.41 4.88 -7.91	69.57 3.98 -18.03	47.94 3.18 -4.91	41.26 2.52 -6.28	38.23 2.45 -4.74	33.21 1.65 -11.09	33.93 2.38 -3.18
KCE_NY_1 323755	7.07 0.16 -4.52	15.90 0.64 -5.00	15.65 0.89 -0.85	19.55 1.15 0.00	20.91 1.22 0.00	22.53 1.30 0.00	14.43 0.89 0.00	15.06 0.96 0.00	18.06 1.09 0.00	22.42 1.26 0.00	33.11 1.90 0.00	36.78 2.16 0.00	38.54 2.56 0.00	39.91 2.61 0.00	40.99 2.47 -0.33	34.33 1.88 -2.10	40.22 2.06 -4.08	63.47 3.76 -2.09	53.76 3.22 -2.98	42.44 2.59 0.00	34.61 2.15 0.00	33.16 2.12 0.00	22.22 1.42 -0.34	31.75 1.89 -1.49
KCE_NY_6_ESR 323823	2.26 -0.12 0.00	9.80 -0.56 -0.10	13.26 -0.75 -0.10	17.51 -0.88 0.00	18.85 -0.83 0.00	20.29 -0.94 0.00	12.98 -0.56 0.00	13.69 -0.40 0.00	16.68 -0.29 0.00	20.92 -0.23 0.00	30.81 -0.40 0.00	34.20 -0.41 0.00	34.94 -1.04 0.00	35.79 -1.51 0.00	37.85 -1.30 -0.96	29.47 -0.88 0.00	33.23 -0.85 0.00	56.09 -1.53 0.00	45.89 -1.67 0.00	38.79 -1.06 0.00	31.63 -0.83 0.00	30.18 -0.86 0.00	19.88 -0.58 0.00	27.61 -0.94 -0.17
KEDC_PORT_JEFF_GT2 24210	50.61 0.34 -47.89	68.85 1.17 -57.42	48.10 1.49 -32.69	49.19 1.88 -28.92	64.50 1.93 -42.88	32.39 2.18 -8.98	48.73 1.45 -33.75	75.18 1.66 -59.42	40.52 1.98 -21.57	60.41 2.45 -36.81	53.11 3.79 -18.10	55.58 4.13 -16.84	44.66 4.24 -4.44	94.65 4.59 -52.75	99.51 4.69 -56.63	237.99 3.39 -204.25	271.82 3.61 -234.13	316.35 5.63 -253.10	331.11 4.72 -278.83	97.20 3.76 -53.58	52.82 3.10 -17.26	52.91 3.07 -18.80	40.35 1.98 -17.92	41.63 3.30 -9.96
KEDC_PORT_JEFF_GT3 24211	50.61 0.34 -47.89	68.85 1.17 -57.42	48.10 1.49 -32.69	49.19 1.88 -28.92	64.50 1.93 -42.88	32.39 2.18 -8.98	48.73 1.45 -33.75	75.18 1.66 -59.42	40.52 1.98 -21.57	60.41 2.45 -36.81	53.11 3.79 -18.10	55.58 4.13 -16.84	44.66 4.24 -4.44	94.65 4.59 -52.75	99.51 4.69 -56.63	237.99 3.39 -204.25	271.82 3.61 -234.13	316.35 5.63 -253.10	331.11 4.72 -278.83	97.20 3.76 -53.58	52.82 3.10 -17.26	52.91 3.07 -18.80	40.35 1.98 -17.92	41.63 3.30 -9.96
KEDC_GLWD_GT4 24219	50.56 0.29 -47.89	68.71 1.03 -57.42	47.94 1.34 -32.69	49.14 1.82 -28.92	64.43 1.86 -42.88	32.29 2.08 -8.98	48.65 1.36 -33.75	47.31 1.47 -31.75	40.27 1.73 -21.57	39.05 2.17 -15.73	51.50 3.47 -16.83	55.33 3.89 -16.84	44.56 4.14 -4.44	94.59 4.53 -52.75	99.47 4.66 -56.61	140.85 3.46 -107.04	331.68 3.77 -293.84	388.82 6.03 -325.17	102.93 4.85 -50.52	50.22 3.79 -6.58	45.65 2.98 -10.21	52.73 2.90 -18.79	40.25 1.87 -17.92	41.08 2.74 -9.96
KEDC_GLWD_GT5 24220	50.56 0.29 -47.89	68.71 1.03 -57.42	47.94 1.34 -32.69	49.14 1.82 -28.92	64.43 1.86 -42.88	32.29 2.08 -8.98	48.65 1.36 -33.75	47.31 1.47 -31.75	40.27 1.73 -21.57	39.05 2.17 -15.73	51.50 3.47 -16.83	55.33 3.89 -16.84	44.56 4.14 -4.44	94.59 4.53 -52.75	99.47 4.66 -56.61	140.85 3.46 -107.04	331.68 3.77 -293.84	388.82 6.03 -325.17	102.93 4.85 -50.52	50.22 3.79 -6.58	45.65 2.98 -10.21	52.73 2.90 -18.79	40.25 1.87 -17.92	41.08 2.74 -9.96

KENSICO____ 23655	33.73 0.24 -31.11	40.25 0.85 -29.14	15.65 1.10 -0.64	19.78 1.38 0.00	21.09 1.40 0.00	22.83 1.59 0.00	14.58 1.04 0.00	15.27 1.17 0.00	18.38 1.41 0.00	22.94 1.79 0.00	34.08 2.87 0.00	37.81 3.20 0.00	39.42 3.44 0.00	40.98 3.67 0.00	43.62 3.71 -1.71	55.87 2.69 -22.83	58.65 2.91 -21.67	71.66 4.65 -9.39	74.28 3.78 -22.95	49.79 2.99 -6.95	43.71 2.36 -8.89	40.06 2.30 -6.71	37.40 1.56 -15.38	34.69 2.31 -4.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	2.61 0.23 0.00	11.68 0.81 -0.61	15.56 1.04 -0.61	19.69 1.30 0.00	21.00 1.31 0.00	22.73 1.50 0.00	14.53 0.99 0.00	15.23 1.13 0.00	18.36 1.39 0.00	22.98 1.83 0.00	34.01 2.80 0.00	37.78 3.16 0.00	39.48 3.50 0.00	41.13 3.83 0.00	42.83 4.21 -0.42	36.85 3.07 -3.43	39.29 3.38 -1.83	62.98 5.36 0.00	51.99 4.44 0.00	43.39 3.54 0.00	35.19 2.73 0.00	33.65 2.60 0.00	21.85 1.72 0.33	31.78 2.35 -1.07
KIAC_JFK_GT1 23816	31.80 0.27 -29.16	38.54 0.93 -27.35	15.74 1.18 -0.64	19.88 1.49 0.00	21.18 1.50 0.00	22.95 1.72 0.00	14.67 1.13 0.00	15.39 1.30 0.00	18.47 1.50 0.00	23.06 1.91 0.00	34.32 3.11 0.00	37.99 3.38 0.00	39.54 3.56 0.00	41.16 3.85 0.00	43.76 3.90 -1.67	54.76 2.83 -21.59	58.21 3.13 -21.00	71.79 5.03 -9.14	73.37 4.08 -21.73	49.41 3.23 -6.33	43.08 2.53 -8.09	39.57 2.41 -6.11	36.17 1.59 -14.11	34.52 2.40 -3.75
KIAC_JFK_GT2 23817	31.80 0.27 -29.16	38.54 0.93 -27.35	15.74 1.18 -0.64	19.88 1.49 0.00	21.18 1.50 0.00	22.95 1.72 0.00	14.67 1.13 0.00	15.39 1.30 0.00	18.47 1.50 0.00	23.06 1.91 0.00	34.32 3.11 0.00	37.99 3.38 0.00	39.54 3.56 0.00	41.16 3.85 0.00	43.76 3.90 -1.67	54.76 2.83 -21.59	58.21 3.13 -21.00	71.79 5.03 -9.14	73.37 4.08 -21.73	49.41 3.23 -6.33	43.08 2.53 -8.09	39.57 2.41 -6.11	36.17 1.59 -14.11	34.52 2.40 -3.75
KIAC_JFK____ 323774	31.80 0.27 -29.16	38.54 0.93 -27.35	15.74 1.18 -0.64	19.88 1.49 0.00	21.18 1.50 0.00	22.95 1.72 0.00	14.67 1.13 0.00	15.39 1.29 0.00	18.47 1.50 0.00	23.06 1.91 0.00	34.32 3.11 0.00	37.98 3.37 0.00	39.54 3.56 0.00	41.16 3.85 0.00	43.75 3.89 -1.67	54.76 2.82 -21.59	58.20 3.12 -21.00	71.79 5.03 -9.14	73.37 4.08 -21.73	49.41 3.24 -6.33	43.09 2.53 -8.09	39.57 2.41 -6.11	36.17 1.59 -14.11	34.52 2.40 -3.75
KINTIGH____ 23543	2.25 -0.13 0.00	9.73 -0.61 -0.08	13.14 -0.85 -0.08	17.33 -1.06 0.00	18.64 -1.05 0.00	20.07 -1.17 0.00	12.83 -0.71 0.00	13.49 -0.60 0.00	16.39 -0.58 0.00	20.54 -0.61 0.00	30.21 -1.00 0.00	33.49 -1.12 0.00	34.28 -1.71 0.00	35.13 -2.18 0.00	35.82 -2.12 0.26	28.79 -1.55 0.00	32.44 -1.63 0.00	54.87 -2.75 0.00	44.98 -2.58 0.00	37.96 -1.89 0.00	31.05 -1.41 0.00	29.69 -1.35 0.00	19.53 -0.93 0.00	27.14 -1.38 -0.14
KNTFSRNC_46_KV_46KV_LOAD 80397	-1.40 -0.16 3.62	5.61 -0.44 4.21	8.95 -0.49 4.48	14.68 -0.49 3.22	19.32 -0.36 0.00	20.97 -0.27 0.00	13.28 -0.26 0.00	13.81 -0.28 0.00	16.53 -0.44 0.00	20.51 -0.64 0.00	29.64 -1.57 0.00	32.99 -1.62 0.00	20.91 -1.79 13.28	12.03 -1.87 23.41	36.24 -1.95 0.00	23.62 -1.43 5.30	32.66 -1.42 0.00	56.49 -1.13 0.00	46.57 -0.99 0.00	38.89 -0.96 0.00	31.65 -0.82 0.00	30.43 -0.61 0.00	20.31 -0.15 0.00	28.14 -0.23 0.00
LACHUTE__HYDRO 323717	7.01 0.15 -4.49	16.11 0.89 -4.97	16.24 1.48 -0.85	20.51 2.11 0.00	22.08 2.40 0.00	23.77 2.54 0.00	15.30 1.76 0.00	16.00 1.91 0.00	19.23 2.26 0.00	23.49 2.33 0.00	34.38 3.17 0.00	38.30 3.69 0.00	40.19 4.20 0.00	42.07 4.76 0.00	43.32 4.80 -0.33	35.80 3.37 -2.09	41.83 3.70 -4.05	67.50 7.82 -2.07	57.69 7.19 -2.95	45.43 5.58 0.00	36.86 4.40 0.00	35.22 4.18 0.00	23.52 2.73 -0.33	33.54 3.68 -1.49
LAWRNCALV_115KV_TB1 80681	-8.54 -0.19 10.72	-2.96 -0.65 12.57	-0.34 -0.86 13.39	6.50 -1.11 10.78	18.59 -1.10 0.00	20.12 -1.13 -0.01	12.74 -0.79 0.00	13.31 -0.78 0.00	15.96 -1.01 0.00	19.90 -1.27 -0.02	29.42 -2.03 -0.25	32.73 -2.24 -0.36	22.77 -2.46 10.75	15.67 -2.42 19.22	36.12 -2.54 -0.47	-164.68 -2.01 193.02	32.45 -2.00 -0.38	55.44 -3.48 -1.30	46.32 -2.30 -1.06	38.94 -1.68 -0.77	31.58 -1.36 -0.47	30.11 -1.35 -0.41	19.51 -0.99 -0.03	27.21 -1.46 -0.30
LEDERLE____ 23769	-39.88 0.23 42.50	-27.23 0.82 38.30	15.59 1.06 -0.61	19.73 1.33 0.00	21.03 1.35 0.00	22.76 1.53 0.00	14.53 0.99 0.00	15.22 1.13 0.00	18.33 1.36 0.00	22.90 1.75 0.00	34.02 2.81 0.00	37.81 3.20 0.00	39.49 3.51 0.00	41.07 3.76 0.00	44.66 3.83 -2.63	35.77 2.77 -2.65	65.63 3.01 -28.54	77.68 4.81 -15.25	60.29 3.85 -8.89	33.56 3.02 9.31	22.94 2.38 11.91	24.35 2.30 8.99	1.71 1.55 20.30	27.88 2.27 2.76
LIGHTHSE_115KV_TB6 355974	-6.34 -0.10 8.62	-0.07 -0.34 9.99	2.79 -0.49 10.64	10.02 -0.64 7.74	19.07 -0.61 0.00	20.70 -0.64 -0.10	13.25 -0.29 0.00	13.88 -0.21 0.00	16.79 -0.18 0.00	21.11 -0.22 -0.17	32.88 -0.31 -1.97	37.15 -0.36 -2.90	37.76 -0.35 -2.12	38.37 -0.45 -1.52	41.46 -0.50 -3.76	11.22 -0.75 18.38	35.98 -0.74 -2.64	65.23 -0.96 -8.57	53.78 -0.75 -6.97	44.44 -0.45 -5.04	35.45 -0.26 -3.24	33.58 -0.30 -2.83	20.35 -0.35 -0.24	29.80 -0.71 -2.13
LINDEN COGEN____ 23786	31.81 0.27 -29.16	38.53 0.91 -27.35	15.70 1.15 -0.64	19.83 1.43 0.00	21.14 1.45 0.00	22.89 1.66 0.00	14.62 1.08 0.00	15.33 1.24 0.00	18.45 1.48 0.00	23.05 1.90 0.00	34.23 3.02 0.00	37.94 3.32 0.00	39.56 3.57 0.00	41.11 3.81 0.00	43.67 3.80 -1.67	48.58 2.64 -15.59	57.93 2.85 -21.00	71.33 4.57 -9.14	73.03 3.74 -21.73	49.12 2.94 -6.33	42.82 2.33 -8.03	39.44 2.28 -6.11	36.14 1.57 -14.11	34.48 2.36 -3.75
LINDHRST_69_KV_BK1 356055	50.61 0.34 -47.89	68.88 1.20 -57.42	48.15 1.54 -32.69	49.26 1.95 -28.92	64.56 1.99 -42.88	32.43 2.23 -8.97	48.75 1.47 -33.74	49.93 1.65 -34.18	40.54 2.00 -21.57	40.96 2.49 -17.31	52.04 3.90 -16.92	55.85 4.40 -16.84	44.97 4.56 -4.44	94.99 4.93 -52.75	99.84 5.03 -56.62	123.77 3.74 -89.68	166.54 4.07 -128.39	274.43 6.60 -210.21	114.52 5.45 -61.51	52.06 4.33 -7.88	46.36 3.48 -10.41	53.28 3.45 -18.78	40.59 2.21 -17.92	41.68 3.34 -9.96
LIPA_MISC_IPP 23656	50.60 0.33 -47.89	68.84 1.16 -57.42	48.08 1.47 -32.69	49.18 1.87 -28.92	64.52 1.95 -42.88	32.42 2.21 -8.97	48.76 1.47 -33.74	74.23 1.70 -58.43	40.55 2.00 -21.57	57.17 2.51 -33.52	53.11 3.99 -17.90	55.82 4.37 -16.84	44.95 4.53 -4.44	94.88 4.82 -52.75	99.71 4.89 -56.63	216.18 3.60 -182.23	238.41 3.87 -200.47	298.20 6.21 -234.37	269.64 5.33 -216.75	84.19 4.13 -40.21	51.87 3.36 -16.05	53.15 3.32 -18.79	40.49 2.11 -17.92	41.65 3.31 -9.96
LISF__SOLAR 323691	50.61 0.34 -47.89	68.87 1.19 -57.42	48.12 1.52 -32.69	49.24 1.92 -28.92	64.58 2.01 -42.88	32.48 2.27 -8.98	48.80 1.51 -33.75	74.04 1.75 -58.19	40.60 2.05 -21.57	57.50 2.58 -33.77	53.23 4.10 -17.92	55.92 4.48 -16.84	45.06 4.64 -4.44	94.98 4.92 -52.75	99.82 5.00 -56.63	218.20 3.70 -184.16	242.42 3.99 -204.35	300.84 6.46 -236.76	277.09 5.54 -223.99	85.89 4.30 -41.74	52.12 3.50 -16.15	53.29 3.45 -18.79	40.57 2.20 -17.92	41.76 3.42 -9.96

LITTLE FALLS___HYD 24013	5.00 0.10 -2.52	13.58 0.40 -2.92	17.55 0.52 -3.11	21.27 0.67 -2.20	20.34 0.66 0.00	21.91 0.67 0.00	14.04 0.50 0.00	14.57 0.47 0.00	17.38 0.41 0.00	21.54 0.39 0.00	32.00 0.79 0.00	35.80 1.19 0.00	38.05 1.37 -0.70	39.69 1.16 -1.23	39.44 1.24 0.00	28.27 0.95 3.02	35.03 0.96 0.00	59.81 2.19 0.00	49.39 1.84 0.00	41.28 1.42 0.00	33.70 1.24 0.00	32.27 1.23 0.00	21.32 0.86 0.00	29.52 1.15 0.00
LITTLRIV_115KV_TB1 356100	-9.19 -0.14 11.43	-2.84 -0.37 12.73	-0.12 -0.47 13.56	6.91 -0.60 10.89	19.14 -0.54 0.00	20.73 -0.52 -0.01	13.14 -0.40 0.00	13.69 -0.40 0.00	16.41 -0.56 0.00	20.50 -0.67 -0.02	30.26 -1.20 -0.25	33.61 -1.37 -0.37	23.66 -1.62 10.70	16.57 -1.59 19.14	36.83 -1.84 -0.47	-162.52 -1.41 191.45	33.16 -1.30 -0.39	56.74 -2.19 -1.32	47.46 -1.17 -1.07	40.22 -0.41 -0.78	32.64 -0.30 -0.48	31.11 -0.35 -0.42	20.12 -0.38 -0.03	28.05 -0.64 -0.30
LI_NEWBRDGE___DRP 323616	50.55 0.28 -47.89	68.67 0.98 -57.42	47.87 1.27 -32.69	48.93 1.62 -28.92	64.21 1.64 -42.88	32.05 1.84 -8.97	48.49 1.21 -33.74	47.20 1.36 -31.75	40.16 1.62 -21.57	38.91 2.04 -15.73	51.28 3.24 -16.82	55.05 3.60 -16.84	44.21 3.79 -4.44	94.16 4.11 -52.75	98.98 4.18 -56.61	106.64 3.05 -73.24	110.51 3.28 -73.15	237.94 5.22 -175.10	97.52 4.27 -45.69	49.67 3.36 -6.46	45.25 2.64 -10.14	52.44 2.61 -18.78	40.10 1.72 -17.92	40.94 2.61 -9.96
LOCKPORT_115KV_TB60_63_64 80432	2.22 -0.16 0.00	9.60 -0.75 -0.09	12.95 -1.05 -0.09	17.10 -1.30 0.00	18.42 -1.27 0.00	19.83 -1.41 0.00	12.67 -0.86 0.00	13.37 -0.72 0.00	16.27 -0.70 0.00	20.40 -0.75 0.00	29.96 -1.25 0.00	33.17 -1.44 0.00	33.80 -2.18 0.00	34.55 -2.76 0.00	35.74 -2.66 -0.21	28.46 -1.91 -0.02	32.10 -1.99 -0.02	54.26 -3.39 -0.03	44.45 -3.14 -0.04	37.68 -2.17 0.00	30.83 -1.63 0.00	29.50 -1.55 0.00	19.39 -1.07 0.00	26.91 -1.62 -0.16
LOCKPORT___CC1 323769	2.20 -0.18 0.00	9.55 -0.80 -0.09	12.90 -1.11 -0.09	17.02 -1.37 0.00	18.34 -1.35 0.00	19.74 -1.49 0.00	12.62 -0.92 0.00	13.31 -0.79 0.00	16.20 -0.78 0.00	20.30 -0.85 0.00	29.83 -1.38 0.00	33.01 -1.60 0.00	33.65 -2.33 0.00	34.41 -2.89 0.00	35.54 -2.79 -0.13	28.27 -1.99 0.09	31.90 -2.10 0.08	53.83 -3.66 0.13	43.99 -3.39 0.18	37.48 -2.37 0.00	30.68 -1.78 0.00	29.36 -1.69 0.00	19.32 -1.14 0.00	26.79 -1.74 -0.16
LOCKPORT___CC2 323770	2.20 -0.18 0.00	9.55 -0.80 -0.09	12.90 -1.11 -0.09	17.02 -1.37 0.00	18.34 -1.35 0.00	19.74 -1.49 0.00	12.62 -0.92 0.00	13.31 -0.79 0.00	16.20 -0.78 0.00	20.30 -0.85 0.00	29.83 -1.38 0.00	33.01 -1.60 0.00	33.65 -2.33 0.00	34.41 -2.89 0.00	35.54 -2.79 -0.13	28.27 -1.99 0.09	31.90 -2.10 0.08	53.83 -3.66 0.13	43.99 -3.39 0.18	37.48 -2.37 0.00	30.68 -1.78 0.00	29.36 -1.69 0.00	19.32 -1.14 0.00	26.79 -1.74 -0.16
LOCKPORT___CC3 323771	2.20 -0.18 0.00	9.55 -0.80 -0.09	12.90 -1.11 -0.09	17.02 -1.37 0.00	18.34 -1.35 0.00	19.74 -1.49 0.00	12.62 -0.92 0.00	13.31 -0.79 0.00	16.20 -0.78 0.00	20.30 -0.85 0.00	29.83 -1.38 0.00	33.01 -1.60 0.00	33.65 -2.33 0.00	34.41 -2.89 0.00	35.54 -2.79 -0.13	28.27 -1.99 0.09	31.90 -2.10 0.08	53.83 -3.66 0.13	43.99 -3.39 0.18	37.48 -2.37 0.00	30.68 -1.78 0.00	29.36 -1.69 0.00	19.32 -1.14 0.00	26.79 -1.74 -0.16
LONG_LAKE_PHOENIX 24014	0.64 -0.03 1.70	8.17 -0.15 1.94	11.63 -0.22 2.07	16.55 -0.31 1.54	19.35 -0.34 0.00	21.01 -0.38 -0.15	13.38 -0.16 0.00	13.97 -0.12 0.00	16.87 -0.10 0.00	21.25 -0.13 -0.24	33.79 -0.17 -2.75	38.46 -0.19 -4.04	40.24 -0.21 -4.47	41.76 -0.32 -4.78	43.18 -0.25 -5.24	26.40 -0.25 3.70	37.38 -0.32 -3.62	68.90 -0.39 -11.68	56.61 -0.45 -9.50	46.38 -0.34 -6.87	36.59 -0.31 -4.43	34.61 -0.31 -3.88	20.52 -0.26 -0.32	30.81 -0.46 -2.90
LOVETT___3 23632	-41.64 0.22 44.23	-28.87 0.76 39.89	15.51 0.98 -0.61	19.63 1.23 0.00	20.93 1.24 0.00	22.65 1.41 0.00	14.45 0.91 0.00	15.13 1.04 0.00	18.21 1.24 0.00	22.74 1.59 0.00	33.78 2.57 0.00	37.50 2.89 0.00	39.17 3.18 0.00	40.70 3.40 0.00	44.00 3.41 -2.39	33.76 2.44 -0.97	62.26 2.64 -25.54	75.54 4.19 -13.73	57.51 3.36 -6.59	33.07 2.63 9.41	22.51 2.08 12.04	24.01 2.05 9.09	1.31 1.39 20.55	27.64 2.06 2.79
LOVETT___4 23642	-41.64 0.22 44.23	-28.87 0.76 39.89	15.51 0.98 -0.61	19.63 1.23 0.00	20.93 1.24 0.00	22.65 1.41 0.00	14.45 0.91 0.00	15.13 1.04 0.00	18.21 1.24 0.00	22.74 1.59 0.00	33.78 2.57 0.00	37.50 2.89 0.00	39.17 3.18 0.00	40.70 3.40 0.00	44.00 3.41 -2.39	33.76 2.44 -0.97	62.26 2.64 -25.54	75.54 4.19 -13.73	57.51 3.36 -6.59	33.07 2.63 9.41	22.51 2.08 12.04	24.01 2.05 9.09	1.31 1.39 20.55	27.64 2.06 2.79
LOVETT___5 23593	-41.64 0.22 44.23	-28.87 0.76 39.89	15.51 0.98 -0.61	19.63 1.23 0.00	20.93 1.24 0.00	22.65 1.41 0.00	14.45 0.91 0.00	15.13 1.04 0.00	18.21 1.24 0.00	22.74 1.59 0.00	33.78 2.57 0.00	37.50 2.89 0.00	39.17 3.18 0.00	40.70 3.40 0.00	44.00 3.41 -2.39	33.76 2.44 -0.97	62.26 2.64 -25.54	75.54 4.19 -13.73	57.51 3.36 -6.59	33.07 2.63 9.41	22.51 2.08 12.04	24.01 2.05 9.09	1.31 1.39 20.55	27.64 2.06 2.79
LOWER RAQUET___HYD 24057	-10.08 -0.22 12.24	-4.83 -0.72 14.38	-2.36 -0.96 15.31	5.11 -1.25 12.04	18.45 -1.23 0.00	19.98 -1.27 -0.01	12.67 -0.87 0.00	13.25 -0.85 0.00	15.90 -1.08 0.00	19.81 -1.37 -0.02	29.32 -2.18 -0.28	32.62 -2.40 -0.42	23.13 -2.62 10.23	16.38 -2.58 18.34	36.00 -2.73 -0.54	-147.59 -2.20 175.74	32.31 -2.20 -0.44	55.41 -3.71 -1.50	46.26 -2.51 -1.22	38.89 -1.85 -0.88	31.53 -1.48 -0.55	30.05 -1.47 -0.48	19.42 -1.08 -0.04	27.10 -1.62 -0.35
LOWER___HUDSON 24059	7.43 0.15 -4.90	16.14 0.55 -5.33	15.49 0.74 -0.84	19.36 0.97 0.00	20.70 1.01 0.00	22.30 1.07 0.00	14.27 0.74 0.00	14.88 0.78 0.00	17.86 0.89 0.00	22.19 1.04 0.00	32.78 1.57 0.00	36.32 1.71 0.00	37.97 1.99 0.00	39.39 2.08 0.00	40.46 1.90 -0.36	34.05 1.40 -2.30	40.02 1.49 -4.45	62.51 2.61 -2.28	52.98 2.17 -3.25	41.62 1.76 0.00	33.93 1.47 0.00	32.58 1.53 0.00	21.91 1.08 -0.37	31.31 1.48 -1.46
LOWVILLE_115KV_TB2 356335	63.76 -0.26 -61.65	81.36 -0.46 -71.55	89.38 -0.74 -76.20	71.28 -0.99 -53.87	18.90 -0.79 0.00	20.55 -0.72 -0.04	13.25 -0.29 0.00	13.99 -0.10 0.00	16.93 -0.04 0.00	21.24 0.02 -0.06	31.83 -0.06 -0.68	35.57 -0.04 -1.00	33.93 0.01 2.06	33.00 0.11 4.40	39.37 -0.12 -1.30	-27.75 -0.73 57.36	34.55 -0.67 -1.15	61.43 -0.21 -4.02	51.21 0.38 -3.27	42.82 0.60 -2.36	34.61 0.71 -1.44	32.90 0.60 -1.26	20.56 -0.01 -0.10	28.77 -0.57 -0.97
LUTHERFT_115KV_GLOB_FND_222 355753	7.06 0.16 -4.52	15.90 0.64 -5.00	15.65 0.88 -0.85	19.55 1.15 0.00	20.90 1.22 0.00	22.54 1.30 0.00	14.43 0.89 0.00	15.05 0.95 0.00	18.06 1.08 0.00	22.41 1.26 0.00	33.09 1.88 0.00	36.74 2.13 0.00	38.49 2.51 0.00	39.87 2.56 0.00	40.92 2.39 -0.33	34.29 1.84 -2.10	40.18 2.02 -4.08	63.40 3.69 -2.09	53.70 3.16 -2.98	42.40 2.55 0.00	34.57 2.11 0.00	33.13 2.08 0.00	22.20 1.40 -0.34	31.72 1.86 -1.49

LUTHERNY_35_KV_BK2 355980	7.07 0.16 -4.52	15.90 0.64 -5.00	15.65 0.88 -0.85	19.55 1.16 0.00	20.91 1.23 0.00	22.53 1.30 0.00	14.43 0.89 0.00	15.06 0.96 0.00	18.06 1.09 0.00	22.42 1.26 0.00	33.11 1.90 0.00	36.78 2.16 0.00	38.54 2.56 0.00	39.91 2.61 0.00	40.99 2.47 -0.33	34.34 1.88 -2.10	40.22 2.06 -4.08	63.47 3.76 -2.09	53.75 3.22 -2.98	42.45 2.60 0.00	34.61 2.15 0.00	33.17 2.12 0.00	22.22 1.42 -0.34	31.75 1.89 -1.49
LWR___OSWEGATCHIE_HYD 23850	-21.60 -0.25 23.73	-18.09 -0.69 27.66	-16.53 -0.99 29.46	-4.69 -1.32 21.77	18.46 -1.23 0.00	20.03 -1.23 -0.03	12.82 -0.72 0.00	13.54 -0.55 0.00	16.33 -0.64 0.00	20.43 -0.77 -0.05	30.58 -1.18 -0.55	34.16 -1.26 -0.82	28.27 -1.32 6.39	24.19 -1.23 11.89	37.76 -1.49 -1.06	-93.09 -1.65 121.78	33.26 -1.67 -0.86	58.22 -2.34 -2.94	48.46 -1.49 -2.39	40.64 -0.94 -1.73	32.92 -0.61 -1.07	31.32 -0.65 -0.94	19.86 -0.68 -0.08	27.74 -1.34 -0.71
LYONS_FALL_HYD 23570	2.21 -0.17 0.00	10.03 -0.25 -0.02	13.52 -0.42 -0.02	17.54 -0.57 0.28	19.26 -0.43 0.00	20.91 -0.36 -0.03	13.45 -0.09 0.00	14.15 0.05 0.00	17.13 0.15 0.00	21.48 0.28 -0.05	32.11 0.36 -0.55	35.84 0.43 -0.81	35.15 0.47 1.30	34.95 0.55 2.91	39.65 0.41 -1.04	-12.69 -0.12 42.91	35.11 -0.01 -1.04	62.26 0.89 -3.74	51.81 1.21 -3.05	43.29 1.24 -2.20	34.94 1.16 -1.31	33.22 1.03 -1.15	20.91 0.35 -0.10	29.26 0.00 -0.89
MADISON___COUNTY_LFGE 323628	8.37 0.04 -5.95	17.40 0.20 -6.94	21.56 0.25 -7.39	23.89 0.32 -5.17	20.04 0.35 0.00	21.67 0.41 -0.03	13.88 0.34 0.00	14.49 0.39 0.00	17.52 0.55 0.00	21.98 0.79 -0.04	32.88 1.19 -0.49	36.67 1.34 -0.72	38.11 1.34 -0.79	39.60 1.46 -0.84	40.68 1.56 -0.92	22.06 1.15 9.44	36.16 1.39 -0.70	62.48 2.53 -2.33	51.55 2.10 -1.90	42.98 1.76 -1.37	34.80 1.42 -0.91	33.15 1.31 -0.80	21.30 0.77 -0.07	29.92 0.90 -0.64
MALONE___115KV_TB1 356076	-4.06 -0.17 6.26	2.42 -0.52 7.32	5.51 -0.61 7.80	11.77 -0.70 5.92	19.06 -0.62 0.00	20.66 -0.58 0.00	13.08 -0.46 0.00	13.64 -0.46 0.00	16.40 -0.57 0.00	20.43 -0.72 0.00	29.82 -1.40 0.00	33.08 -1.53 0.00	21.74 -1.76 12.49	13.54 -1.75 22.01	36.39 -1.80 0.00	-28.64 -1.37 57.61	32.75 -1.32 0.00	56.35 -1.27 0.00	46.55 -1.01 0.00	39.00 -0.85 0.00	31.74 -0.73 0.00	30.35 -0.69 0.00	20.06 -0.41 0.00	27.73 -0.64 0.00
MAPLEWOD_115KV_TB3 80458	7.37 0.14 -4.85	16.08 0.54 -5.28	15.45 0.71 -0.83	19.32 0.92 0.00	20.64 0.95 0.00	22.23 0.99 0.00	14.24 0.70 0.00	14.84 0.74 0.00	17.83 0.85 0.00	22.16 1.01 0.00	32.80 1.59 0.00	36.30 1.69 0.00	37.91 1.93 0.00	39.32 2.02 0.00	40.38 1.83 -0.36	34.04 1.41 -2.28	39.94 1.45 -4.41	62.32 2.44 -2.26	52.71 1.94 -3.22	41.42 1.57 0.00	33.80 1.34 0.00	32.44 1.40 0.00	21.85 1.02 -0.36	31.24 1.41 -1.45
MAPLE_RIDGE_WT_1 323574	2.28 -0.09 0.00	10.04 -0.22 0.00	13.63 -0.29 0.00	18.09 -0.33 -0.03	19.37 -0.31 0.00	20.91 -0.32 0.00	13.32 -0.22 0.00	13.92 -0.18 0.00	16.72 -0.25 0.00	20.86 -0.29 0.00	30.71 -0.50 0.00	34.05 -0.56 0.00	41.31 -0.55 -5.87	47.19 -0.47 -10.35	37.68 -0.51 0.00	34.36 -0.48 -4.49	33.54 -0.54 0.00	56.85 -0.77 0.00	47.09 -0.47 0.00	39.49 -0.37 0.00	32.16 -0.31 0.00	30.74 -0.31 0.00	20.22 -0.24 0.00	27.96 -0.41 0.00
MAPLE_RIDGE_WT_2 323611	2.28 -0.09 0.00	10.04 -0.22 0.00	13.63 -0.29 0.00	18.09 -0.33 -0.03	19.37 -0.31 0.00	20.91 -0.32 0.00	13.32 -0.22 0.00	13.92 -0.18 0.00	16.72 -0.25 0.00	20.86 -0.29 0.00	30.71 -0.50 0.00	34.05 -0.56 0.00	41.31 -0.55 -5.87	47.19 -0.47 -10.35	37.68 -0.51 0.00	34.36 -0.48 -4.49	33.54 -0.54 0.00	56.85 -0.77 0.00	47.09 -0.47 0.00	39.49 -0.37 0.00	32.16 -0.31 0.00	30.74 -0.31 0.00	20.22 -0.24 0.00	27.96 -0.41 0.00
MARBLE_RIVER_WT_PWR 323696	-1.22 -0.20 3.40	5.74 -0.58 3.95	9.07 -0.64 4.20	14.72 -0.69 2.99	19.08 -0.61 0.00	20.68 -0.55 0.00	13.08 -0.46 0.00	13.61 -0.48 0.00	16.34 -0.63 0.00	20.34 -0.82 0.00	29.55 -1.66 0.00	32.83 -1.78 0.00	20.66 -1.97 13.35	11.76 -2.01 23.53	36.08 -2.11 0.00	28.79 -1.56 0.00	32.50 -1.58 0.00	55.74 -1.88 0.00	46.17 -1.38 0.00	38.63 -1.22 0.00	31.42 -1.05 0.00	30.12 -0.93 0.00	20.03 -0.44 0.00	27.75 -0.62 0.00
MARSHVLE_115KV_TB1 80742	2.53 0.15 0.00	11.81 0.57 -0.97	15.64 0.76 -0.97	19.42 1.02 0.00	20.81 1.13 0.00	22.51 1.27 0.00	14.42 0.88 0.00	14.90 0.80 0.00	17.86 0.89 0.00	22.17 1.02 0.00	32.43 1.22 0.00	36.45 1.84 0.00	37.90 1.92 0.00	38.78 1.48 0.00	40.02 1.82 0.00	32.15 1.81 0.00	36.10 2.02 0.00	61.94 4.32 0.00	51.27 3.71 0.00	42.98 3.12 0.00	34.91 2.45 0.00	33.29 2.25 0.00	22.03 1.35 -0.22	31.78 1.72 -1.69
MARSH_HILL_WT_PWR 323713	2.22 -0.16 0.00	9.85 -0.54 -0.12	13.23 -0.81 -0.12	17.50 -0.89 0.00	19.05 -0.63 0.00	20.59 -0.66 -0.02	13.15 -0.39 0.00	13.94 -0.16 0.00	17.00 0.03 0.00	21.42 0.24 -0.03	31.95 0.42 -0.32	35.82 0.72 -0.48	36.88 0.38 -0.52	38.03 0.17 -0.55	39.72 0.55 -0.97	31.00 0.35 -0.30	34.90 0.39 -0.43	59.63 0.62 -1.38	48.81 0.13 -1.13	40.80 0.14 -0.81	33.25 0.26 -0.53	31.74 0.23 -0.46	20.68 0.19 -0.04	28.95 0.03 -0.55
MCINTYRE_115KV_TB2 80467	-7.94 -0.09 10.22	-1.01 -0.18 11.09	1.89 -0.22 11.81	8.39 -0.26 9.75	19.49 -0.20 0.00	21.09 -0.15 0.00	13.36 -0.18 0.00	13.89 -0.21 0.00	16.61 -0.36 0.00	20.77 -0.39 0.00	30.40 -0.81 0.00	33.64 -0.98 0.00	23.22 -1.24 11.53	15.76 -1.24 20.31	36.68 -1.52 0.00	-178.13 -1.09 207.38	33.36 -0.97 -0.26	57.10 -1.67 -1.14	47.80 -0.68 -0.93	40.71 0.18 -0.67	33.09 0.21 -0.41	31.55 0.14 -0.36	20.43 -0.06 -0.03	28.46 -0.17 -0.27
MECO_____69_KV_BK1 80468	2.68 0.30 0.00	12.40 1.20 -0.94	16.44 1.59 -0.94	20.47 2.07 0.00	21.93 2.25 0.00	23.71 2.47 0.00	15.19 1.65 0.00	15.54 1.44 0.00	18.19 1.22 0.00	22.31 1.16 0.00	32.84 1.63 0.00	37.55 2.94 0.00	39.55 3.57 0.00	39.39 2.08 0.00	41.47 3.28 0.00	32.69 2.35 0.00	36.75 2.68 0.00	66.18 8.55 0.00	55.42 7.87 0.00	46.35 6.50 0.00	37.60 5.13 0.00	35.84 4.79 0.00	23.64 2.93 -0.25	33.78 3.77 -1.64
MENANDS___115KV_TB5 355628	7.38 0.13 -4.87	16.03 0.47 -5.29	15.36 0.61 -0.83	19.19 0.80 0.00	20.51 0.83 0.00	22.09 0.86 0.00	14.15 0.61 0.00	14.73 0.64 0.00	17.70 0.73 0.00	22.01 0.86 0.00	32.59 1.38 0.00	36.01 1.40 0.00	37.59 1.60 0.00	38.99 1.69 0.00	40.09 1.54 -0.36	33.81 1.18 -2.28	39.66 1.15 -4.43	61.82 1.93 -2.27	52.30 1.51 -3.23	41.06 1.21 0.00	33.52 1.06 0.00	32.19 1.15 0.00	21.70 0.88 -0.36	31.05 1.23 -1.45
MG INDUSTRY___DRP 24185	6.79 0.11 -4.30	15.46 0.45 -4.75	15.32 0.60 -0.81	19.18 0.79 0.00	20.50 0.82 0.00	22.07 0.84 0.00	14.11 0.57 0.00	14.62 0.53 0.00	17.52 0.55 0.00	21.77 0.61 0.00	32.03 0.82 0.00	35.04 0.43 0.00	36.26 0.27 0.00	37.63 0.33 0.00	38.92 0.38 -0.35	32.91 0.37 -2.20	38.48 0.15 -4.25	60.14 0.36 -2.16	50.92 0.29 -3.07	40.09 0.23 0.00	32.77 0.30 0.00	31.46 0.41 0.00	21.29 0.53 -0.30	30.95 1.17 -1.41

MID___OSWEGATCHIE_HYD 23849	-21.60 -0.25 23.73	-18.09 -0.69 27.66	-16.53 -0.99 29.46	-4.69 -1.32 21.77	18.46 -1.23 0.00	20.03 -1.23 -0.03	12.82 -0.72 0.00	13.54 -0.55 0.00	16.33 -0.64 0.00	20.43 -0.77 -0.05	30.58 -1.18 -0.55	34.16 -1.26 -0.82	28.27 -1.32 6.39	24.19 -1.23 11.89	37.76 -1.49 -1.06	-93.09 -1.65 121.78	33.26 -1.67 -0.86	58.22 -2.34 -2.94	48.46 -1.49 -2.39	40.64 -0.94 -1.73	32.92 -0.61 -1.07	31.32 -0.65 -0.94	19.86 -0.68 -0.08	27.74 -1.34 -0.71
MID___RAQUETTE_HYD 23851	-10.08 -0.22 12.24	-4.83 -0.72 14.38	-2.36 -0.96 15.31	5.11 -1.25 12.04	18.46 -1.23 0.00	19.98 -1.27 -0.01	12.67 -0.87 0.00	13.25 -0.85 0.00	15.90 -1.08 0.00	19.81 -1.37 -0.02	29.32 -2.18 -0.28	32.62 -2.40 -0.42	23.13 -2.62 10.23	16.38 -2.58 18.34	36.00 -2.73 -0.54	-147.58 -2.19 175.74	32.32 -2.20 -0.44	55.41 -3.71 -1.50	46.27 -2.51 -1.22	38.88 -1.85 -0.88	31.53 -1.48 -0.55	30.05 -1.47 -0.48	19.42 -1.08 -0.04	27.10 -1.62 -0.35
MILLIKEN___1 23584	2.43 0.05 0.00	10.57 0.18 -0.12	14.28 0.24 -0.12	18.69 0.31 0.02	19.99 0.31 0.00	21.63 0.35 -0.05	13.87 0.33 0.00	14.51 0.41 0.00	17.56 0.59 0.00	22.03 0.79 -0.09	33.49 1.27 -1.01	37.38 1.33 -1.44	38.73 1.22 -1.52	40.10 1.17 -1.63	41.41 1.37 -1.84	29.32 1.11 2.14	36.63 1.32 -1.24	63.83 2.21 -4.00	52.55 1.74 -3.26	43.65 1.44 -2.35	35.15 1.17 -1.52	33.37 0.99 -1.33	21.19 0.62 -0.11	30.29 0.74 -1.18
MILLIKEN___2 23585	2.43 0.05 0.00	10.57 0.18 -0.12	14.28 0.24 -0.12	18.69 0.31 0.02	19.99 0.31 0.00	21.63 0.35 -0.05	13.87 0.33 0.00	14.51 0.41 0.00	17.56 0.59 0.00	22.03 0.79 -0.09	33.49 1.27 -1.01	37.38 1.33 -1.44	38.73 1.22 -1.52	40.10 1.17 -1.63	41.41 1.37 -1.84	29.32 1.11 2.14	36.63 1.32 -1.24	63.83 2.21 -4.00	52.55 1.74 -3.26	43.65 1.44 -2.35	35.15 1.17 -1.52	33.37 0.99 -1.33	21.19 0.62 -0.11	30.29 0.74 -1.18
MILLIKEN___DIESEL 23629	2.43 0.05 0.00	10.57 0.18 -0.12	14.28 0.24 -0.12	18.69 0.31 0.02	19.99 0.31 0.00	21.63 0.35 -0.05	13.87 0.33 0.00	14.51 0.41 0.00	17.56 0.59 0.00	22.03 0.79 -0.09	33.49 1.27 -1.01	37.38 1.33 -1.44	38.73 1.22 -1.52	40.10 1.17 -1.63	41.41 1.37 -1.84	29.32 1.11 2.14	36.63 1.32 -1.24	63.83 2.21 -4.00	52.55 1.74 -3.26	43.65 1.44 -2.35	35.15 1.17 -1.52	33.37 0.99 -1.33	21.19 0.62 -0.11	30.29 0.74 -1.18
MILLSEAT___LFGE 323607	2.28 -0.10 0.00	9.88 -0.46 -0.09	13.33 -0.67 -0.09	17.59 -0.80 0.00	18.94 -0.74 0.00	20.42 -0.82 0.00	13.08 -0.46 0.00	13.81 -0.29 0.00	16.82 -0.15 0.00	21.08 -0.08 0.00	30.99 -0.22 0.00	34.33 -0.29 0.00	35.05 -0.93 0.00	35.79 -1.52 0.00	36.98 -1.37 -0.16	29.47 -0.90 -0.02	33.12 -0.97 -0.02	55.97 -1.68 -0.03	45.94 -1.65 -0.04	38.97 -0.89 0.00	31.89 -0.58 0.00	30.49 -0.56 0.00	20.02 -0.44 0.00	27.70 -0.83 -0.15
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	35.16 0.23 -32.54	41.53 0.82 -30.45	15.61 1.06 -0.64	19.73 1.33 0.00	21.03 1.35 0.00	22.76 1.53 0.00	14.54 1.00 0.00	15.23 1.13 0.00	18.33 1.35 0.00	22.88 1.72 0.00	33.98 2.77 0.00	37.70 3.09 0.00	39.32 3.33 0.00	40.87 3.57 0.00	43.57 3.61 -1.77	101.90 2.61 -68.94	67.28 2.83 -30.37	71.91 4.50 -9.78	114.10 3.66 -62.89	78.27 2.88 -35.53	80.20 2.28 -45.45	67.60 2.23 -34.32	93.47 1.52 -71.49	46.41 2.24 -15.79
MILLWOOD_13_KV_LOAD 356217	35.17 0.25 -32.54	41.57 0.86 -30.45	15.66 1.11 -0.64	19.79 1.40 0.00	21.11 1.42 0.00	22.84 1.61 0.00	14.59 1.05 0.00	15.28 1.19 0.00	18.41 1.43 0.00	22.97 1.82 0.00	34.13 2.92 0.00	37.87 3.26 0.00	39.50 3.52 0.00	41.07 3.76 0.00	43.79 3.83 -1.77	102.08 2.79 -68.94	67.47 3.02 -30.37	72.21 4.81 -9.78	114.34 3.90 -62.89	78.47 3.09 -35.53	80.36 2.44 -45.45	67.74 2.37 -34.32	93.56 1.60 -71.49	46.52 2.35 -15.79
MODEL_CITY_ENERGY 24167	2.19 -0.19 0.00	9.52 -0.83 -0.09	12.85 -1.16 -0.09	16.97 -1.43 0.00	18.28 -1.41 0.00	19.68 -1.56 0.00	12.57 -0.97 0.00	13.25 -0.84 0.00	16.11 -0.86 0.00	20.19 -0.96 0.00	29.66 -1.55 0.00	32.84 -1.77 0.00	33.48 -2.50 0.00	34.24 -3.07 0.00	35.42 -2.98 -0.20	28.26 -2.10 -0.01	31.86 -2.22 -0.01	53.75 -3.89 -0.02	44.00 -3.58 -0.02	37.31 -2.54 0.00	30.53 -1.93 0.00	29.22 -1.83 0.00	19.24 -1.23 0.00	26.68 -1.85 -0.16
MODERN_LFGE___ 323580	2.19 -0.19 0.00	9.52 -0.83 -0.09	12.85 -1.16 -0.09	16.97 -1.43 0.00	18.28 -1.41 0.00	19.68 -1.56 0.00	12.57 -0.97 0.00	13.25 -0.84 0.00	16.11 -0.86 0.00	20.19 -0.96 0.00	29.66 -1.55 0.00	32.84 -1.77 0.00	33.48 -2.50 0.00	34.24 -3.07 0.00	35.42 -2.98 -0.20	28.26 -2.10 -0.01	31.86 -2.22 -0.01	53.75 -3.89 -0.02	44.00 -3.58 -0.02	37.31 -2.54 0.00	30.53 -1.93 0.00	29.22 -1.83 0.00	19.24 -1.23 0.00	26.68 -1.85 -0.16
MOHAWK_PAPER___DRP 24187	7.37 0.14 -4.85	16.08 0.54 -5.28	15.45 0.71 -0.83	19.32 0.92 0.00	20.64 0.95 0.00	22.23 0.99 0.00	14.24 0.70 0.00	14.84 0.74 0.00	17.83 0.85 0.00	22.16 1.01 0.00	32.80 1.59 0.00	36.30 1.69 0.00	37.91 1.93 0.00	39.32 2.02 0.00	40.38 1.83 -0.36	34.04 1.41 -2.28	39.94 1.45 -4.41	62.32 2.44 -2.26	52.71 1.94 -3.22	41.42 1.57 0.00	33.80 1.34 0.00	32.44 1.40 0.00	21.85 1.02 -0.36	31.24 1.41 -1.45
MOHICAN___35_KV_115KV_LD 80490	7.03 0.14 -4.50	15.87 0.63 -4.98	15.70 0.93 -0.85	19.66 1.26 0.00	21.04 1.36 0.00	22.69 1.46 0.00	14.55 1.01 0.00	15.19 1.09 0.00	18.23 1.26 0.00	22.54 1.39 0.00	33.11 1.90 0.00	36.82 2.20 0.00	38.64 2.66 0.00	40.07 2.77 0.00	41.09 2.57 -0.33	34.29 1.84 -2.09	40.20 2.07 -4.06	63.79 4.09 -2.08	54.31 3.79 -2.96	42.88 3.02 0.00	35.00 2.54 0.00	33.52 2.48 0.00	22.43 1.63 -0.34	31.97 2.10 -1.49
MONGAUP___HYD 23641	-23.19 0.21 25.78	-12.01 0.77 23.04	15.47 0.99 -0.57	19.63 1.24 0.00	21.01 1.33 0.00	22.66 1.42 0.00	14.49 0.95 0.00	15.13 1.04 0.00	18.21 1.24 0.00	22.72 1.56 0.00	33.33 2.12 0.00	36.91 2.30 0.00	38.34 2.36 0.00	39.81 2.50 0.00	35.72 2.76 5.23	-9.54 1.93 41.81	-30.40 2.00 66.48	27.10 3.14 33.67	-5.84 2.89 56.28	36.42 2.63 6.06	26.98 2.26 7.75	27.51 2.32 5.85	8.63 1.55 13.38	29.06 2.18 1.49
MONTAUK___DIESEL 23721	50.60 0.33 -47.89	68.85 1.17 -57.42	48.08 1.47 -32.69	49.45 2.14 -28.92	65.29 2.72 -42.88	33.42 3.20 -8.97	49.46 2.18 -33.74	74.96 2.49 -58.37	41.41 2.86 -21.57	58.22 3.45 -33.62	54.42 5.30 -17.91	56.98 5.54 -16.84	46.27 5.85 -4.44	95.95 5.90 -52.75	100.44 5.62 -56.63	217.50 4.15 -183.01	240.36 4.35 -201.93	299.76 6.89 -235.25	272.68 5.65 -219.47	84.73 4.08 -40.79	51.90 3.35 -16.09	53.46 3.62 -18.79	40.78 2.40 -17.92	42.11 3.78 -9.96
MOONROAD_115KV_HARTFLD_TB1-2 355988	2.29 -0.09 0.00	9.93 -0.44 -0.11	13.52 -0.50 -0.11	18.09 -0.31 0.00	19.43 -0.25 0.00	20.80 -0.43 0.00	13.35 -0.19 0.00	14.11 0.01 0.00	17.36 0.38 0.00	21.82 0.66 0.00	32.19 0.98 0.00	35.86 1.25 0.00	36.68 0.70 0.00	37.63 0.33 0.00	39.34 0.25 -0.90	30.35 0.00 0.00	34.27 0.19 0.00	57.96 0.34 0.00	47.31 -0.25 0.00	39.85 0.00 0.00	32.38 -0.08 0.00	31.01 -0.03 0.00	20.40 -0.07 0.00	28.30 -0.26 -0.19

MORTIMER_115KV_TB3 55949	2.32 -0.06 0.00	10.04 -0.29 -0.07	13.55 -0.44 -0.07	17.86 -0.54 0.00	19.17 -0.52 0.00	20.66 -0.57 0.00	13.24 -0.30 0.00	13.91 -0.18 0.00	16.88 -0.09 0.00	21.13 -0.02 0.00	31.16 -0.05 0.00	34.53 -0.08 0.00	35.50 -0.48 0.00	36.48 -0.82 0.00	37.41 -0.72 0.07	29.86 -0.49 0.00	33.60 -0.48 0.00	56.88 -0.74 0.00	46.76 -0.80 0.00	39.37 -0.49 0.00	32.14 -0.33 0.00	30.69 -0.35 0.00	20.14 -0.32 0.00	27.92 -0.58 -0.13
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	31.80 0.27 -29.15	38.55 0.95 -27.34	15.76 1.21 -0.64	19.92 1.52 0.00	21.22 1.53 0.00	22.98 1.75 0.00	14.68 1.14 0.00	15.38 1.29 0.00	18.50 1.53 0.00	23.09 1.94 0.00	34.34 3.13 0.00	38.05 3.44 0.00	39.62 3.64 0.00	41.18 3.88 0.00	43.77 3.91 -1.67	54.74 2.81 -21.58	58.11 3.03 -21.00	71.62 4.87 -9.14	73.26 3.98 -21.72	49.33 3.15 -6.32	43.04 2.49 -8.09	39.58 2.43 -6.11	36.22 1.66 -14.11	34.60 2.48 -3.74
MUNSVILLE_WIND_PWR 323609	2.54 0.17 0.00	11.18 0.73 -0.19	15.10 1.00 -0.19	19.65 1.25 0.00	20.83 1.14 0.00	22.58 1.32 -0.03	14.54 1.00 0.00	15.19 1.10 0.00	18.52 1.55 0.00	23.37 2.16 -0.05	35.13 3.32 -0.60	39.22 3.65 -0.96	40.29 3.34 -0.96	41.85 3.51 -1.03	43.35 3.96 -1.20	34.22 3.32 -0.55	38.67 3.81 -0.78	66.91 6.77 -2.53	55.36 5.74 -2.06	46.05 4.71 -1.49	37.13 3.71 -0.96	35.27 3.38 -0.84	22.59 2.06 -0.07	31.91 2.59 -0.94
N SALMON___HYD 24042	-4.06 -0.17 6.26	2.42 -0.51 7.32	5.51 -0.61 7.80	11.77 -0.70 5.92	19.06 -0.62 0.00	20.66 -0.58 0.00	13.08 -0.46 0.00	13.63 -0.46 0.00	16.40 -0.58 0.00	20.43 -0.72 0.00	29.82 -1.40 0.00	33.08 -1.53 0.00	21.74 -1.76 12.49	13.54 -1.75 22.01	36.39 -1.80 0.00	-28.64 -1.37 57.61	32.75 -1.32 0.00	56.35 -1.27 0.00	46.55 -1.01 0.00	39.00 -0.85 0.00	31.74 -0.72 0.00	30.35 -0.69 0.00	20.06 -0.40 0.00	27.73 -0.64 0.00
N.AKRON__115KV_KNAPP 355671	2.27 -0.11 0.00	9.82 -0.53 -0.09	13.25 -0.76 -0.09	17.48 -0.91 0.00	18.82 -0.86 0.00	20.28 -0.95 0.00	12.99 -0.55 0.00	13.71 -0.38 0.00	16.71 -0.26 0.00	20.94 -0.21 0.00	30.79 -0.42 0.00	34.08 -0.52 0.00	34.74 -1.24 0.00	35.48 -1.83 0.00	36.68 -1.69 -0.18	29.19 -1.18 -0.02	32.89 -1.20 -0.02	55.61 -2.04 -0.03	45.62 -1.98 -0.04	38.68 -1.17 0.00	31.65 -0.82 0.00	30.26 -0.79 0.00	19.86 -0.60 0.00	27.51 -1.02 -0.15
N.BELMOR_69_KV_BK1 55787	50.57 0.30 -47.89	68.77 1.09 -57.42	48.01 1.41 -32.69	49.11 1.80 -28.92	64.41 1.84 -42.88	32.26 2.05 -8.97	48.63 1.34 -33.74	47.35 1.50 -31.75	40.33 1.78 -21.57	39.11 2.23 -15.73	51.51 3.48 -16.82	55.35 3.91 -16.84	44.50 4.08 -4.44	94.51 4.46 -52.75	99.39 4.58 -56.61	122.11 3.40 -88.36	209.66 3.70 -171.88	305.84 5.98 -242.24	100.28 4.87 -47.85	50.29 3.83 -6.60	45.71 3.03 -10.22	52.86 3.03 -18.78	40.35 1.97 -17.92	41.26 2.93 -9.96
N.E_GEN_SANDY PD 24062	67.34 0.18 -64.78	28.59 0.64 -17.70	26.21 0.83 -11.46	28.63 1.06 -9.17	25.81 1.11 -5.02	26.27 1.22 -3.82	22.68 0.84 -8.31	24.08 0.91 -9.07	20.55 1.06 -2.51	22.42 1.27 0.00	33.21 2.00 0.00	36.75 2.14 0.00	40.72 2.40 -2.35	41.75 2.53 -1.91	41.24 2.44 -0.62	41.18 1.76 -9.07	45.79 1.88 -9.84	82.93 3.16 -22.14	86.98 2.57 -36.85	45.08 2.08 -3.15	36.96 1.70 -2.80	47.63 1.78 -14.81	34.70 1.26 -12.97	36.69 1.80 -6.51
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	-40.75 0.23 43.36	-28.04 0.79 39.09	15.55 1.01 -0.61	19.67 1.28 0.00	20.97 1.29 0.00	22.69 1.46 0.00	14.49 0.95 0.00	15.17 1.08 0.00	18.26 1.29 0.00	22.82 1.66 0.00	33.89 2.68 0.00	37.64 3.03 0.00	39.32 3.34 0.00	40.88 3.58 0.00	44.34 3.63 -2.53	34.85 2.60 -1.90	64.10 2.81 -27.22	76.67 4.47 -14.58	59.02 3.59 -7.87	33.30 2.81 9.36	22.71 2.22 11.97	24.17 2.17 9.04	1.50 1.46 20.42	27.76 2.16 2.77
N.QUEENS_27_KV_LOAD 356247	31.86 0.33 -29.15	38.67 1.06 -27.35	15.89 1.34 -0.64	20.06 1.66 0.00	21.33 1.65 0.00	23.18 1.95 0.00	14.79 1.25 0.00	15.51 1.42 0.00	18.60 1.63 0.00	23.19 2.04 0.00	34.55 3.34 0.00	38.17 3.56 0.00	39.78 3.80 0.00	41.40 4.10 0.01	44.01 4.15 -1.66	54.90 2.96 -21.59	58.27 3.18 -21.01	71.91 5.15 -9.15	73.59 4.30 -21.73	49.58 3.40 -6.33	43.19 2.64 -8.09	39.67 2.52 -6.10	36.26 1.70 -14.10	34.71 2.59 -3.75
N.TROY___115KV_TB1 355778	7.43 0.15 -4.90	16.14 0.55 -5.33	15.49 0.74 -0.84	19.36 0.97 0.00	20.70 1.01 0.00	22.30 1.07 0.00	14.28 0.74 0.00	14.88 0.78 0.00	17.87 0.89 0.00	22.19 1.04 0.00	32.78 1.57 0.00	36.32 1.71 0.00	37.97 1.99 0.00	39.39 2.08 0.00	40.46 1.90 -0.36	34.05 1.41 -2.30	40.02 1.49 -4.45	62.51 2.61 -2.28	52.97 2.17 -3.25	41.62 1.77 0.00	33.93 1.47 0.00	32.57 1.53 0.00	21.91 1.08 -0.37	31.32 1.48 -1.46
NARROWS_GT1_1 24228	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
NARROWS_GT1_2 24229	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
NARROWS_GT1_3 24230	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
NARROWS_GT1_4 24231	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
NARROWS_GT1_5 24232	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79

NARROWS_GT1_6 24233	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
NARROWS_GT1_7 24234	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
NARROWS_GT1_8 24235	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
NARROWS_GT2_1 24236	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
NARROWS_GT2_2 24237	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
NARROWS_GT2_3 24238	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
NARROWS_GT2_4 24239	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
NARROWS_GT2_5 24240	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
NARROWS_GT2_6 24241	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
NARROWS_GT2_7 24242	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
NARROWS_GT2_8 24243	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.26 3.65 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.66 4.05 -12.41	67.59 2.88 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.37 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	2.55 0.16 0.00	11.73 0.69 -0.78	15.61 0.92 -0.77	19.61 1.21 0.00	20.96 1.28 0.00	22.56 1.32 0.00	14.46 0.91 0.00	15.01 0.91 0.00	17.94 0.97 0.00	22.26 1.11 0.00	32.72 1.51 0.00	35.95 1.33 0.00	37.47 1.49 0.00	38.95 1.65 0.00	40.53 1.93 -0.40	34.97 1.88 -2.74	40.43 1.70 -4.65	62.44 2.66 -2.17	53.00 2.35 -3.09	41.91 2.06 0.00	34.23 1.77 0.00	32.79 1.75 0.00	21.95 1.29 -0.19	31.59 1.87 -1.35
NCHELSEA_115KV_TR2 355582	2.61 0.24 0.00	11.74 0.84 -0.65	15.65 1.09 -0.64	19.76 1.37 0.00	21.07 1.39 0.00	22.81 1.57 0.00	14.59 1.05 0.00	15.27 1.17 0.00	18.40 1.43 0.00	23.04 1.89 0.00	34.22 3.01 0.00	38.00 3.39 0.00	39.68 3.70 0.00	41.30 3.99 0.00	43.36 4.15 -1.02	40.84 3.09 -7.41	48.53 3.29 -11.16	68.06 5.32 -5.12	59.16 4.32 -7.28	43.29 3.44 0.00	35.20 2.73 0.00	33.70 2.65 0.00	22.52 1.79 -0.27	32.02 2.52 -1.13
NEG CAPITAL___MECHNVIL 23645	7.19 0.17 -4.64	16.02 0.66 -5.10	15.65 0.89 -0.85	19.56 1.16 0.00	20.91 1.23 0.00	22.55 1.32 0.00	14.44 0.90 0.00	15.06 0.97 0.00	18.08 1.11 0.00	22.47 1.31 0.00	33.19 1.97 0.00	36.84 2.23 0.00	38.60 2.62 0.00	39.99 2.68 0.00	41.04 2.50 -0.34	34.44 1.93 -2.17	40.40 2.13 -4.20	63.60 3.83 -2.15	53.87 3.25 -3.06	42.46 2.61 0.00	34.61 2.15 0.00	33.17 2.12 0.00	22.23 1.42 -0.35	31.76 1.90 -1.48
NEG CENTRAL_HIGH_ACRES 23767	2.29 -0.09 0.00	9.95 -0.38 -0.07	13.44 -0.55 -0.07	17.69 -0.70 0.00	18.98 -0.71 0.00	20.47 -0.77 0.00	13.12 -0.41 0.00	13.79 -0.30 0.00	16.72 -0.25 0.00	20.93 -0.22 0.00	30.86 -0.35 0.00	34.23 -0.38 0.00	35.27 -0.71 0.00	36.29 -1.02 0.00	37.21 -0.92 0.06	29.69 -0.65 0.00	33.41 -0.66 0.00	56.50 -1.12 0.00	46.47 -1.09 0.00	39.07 -0.78 0.00	31.87 -0.59 0.00	30.40 -0.64 0.00	19.96 -0.51 0.00	27.64 -0.86 -0.12



NEG CENTRAL___DRP 24199	2.38 0.00 0.00	10.28 -0.06 -0.07	13.88 -0.11 -0.07	18.24 -0.13 0.02	19.56 -0.13 0.00	21.17 -0.12 -0.05	13.57 0.03 0.00	14.24 0.14 0.00	17.26 0.29 0.00	21.67 0.43 -0.08	32.77 0.60 -0.96	36.70 0.68 -1.41	38.03 0.50 -1.55	39.28 0.32 -1.66	40.51 0.50 -1.82	28.27 0.38 2.45	35.81 0.47 -1.26	62.42 0.72 -4.08	51.39 0.51 -3.32	42.72 0.47 -2.40	34.39 0.38 -1.55	32.66 0.26 -1.36	20.76 0.18 -0.11	29.55 0.06 -1.12
NEG CENTRAL___INDECK 23768	2.30 -0.08 0.00	10.01 -0.35 -0.10	13.49 -0.53 -0.10	17.75 -0.65 0.00	19.16 -0.52 0.00	20.73 -0.50 0.00	13.32 -0.22 0.00	14.03 -0.06 0.00	17.04 0.07 0.00	21.35 0.19 0.00	31.25 0.04 0.00	34.20 -0.41 0.00	34.66 -1.32 0.00	35.58 -1.73 0.00	37.21 -1.18 -0.19	29.29 -1.06 0.00	32.59 -1.48 0.00	55.04 -2.58 0.00	45.33 -2.23 0.00	38.24 -1.61 0.00	32.45 -0.02 0.00	31.22 0.18 0.00	20.47 0.01 0.00	28.32 -0.23 -0.18
NEG CENTRAL___SENECA 23627	2.38 0.00 0.00	10.27 -0.07 -0.08	13.87 -0.13 -0.08	18.25 -0.15 0.00	19.58 -0.10 0.00	21.18 -0.08 -0.03	13.59 0.05 0.00	14.29 0.20 0.00	17.35 0.38 0.00	21.78 0.59 -0.04	32.48 0.76 -0.51	36.26 0.90 -0.76	37.44 0.63 -0.82	38.62 0.43 -0.88	39.85 0.69 -0.97	31.29 0.48 -0.47	35.34 0.59 -0.68	60.66 0.86 -2.18	49.96 0.62 -1.78	41.71 0.57 -1.29	33.77 0.47 -0.83	32.13 0.36 -0.73	20.80 0.28 -0.06	29.16 0.11 -0.67
NEG CENTRAL___STATE_STREET 24147	2.39 0.02 0.00	10.40 0.06 -0.07	14.07 0.07 -0.07	18.47 0.10 0.02	19.72 0.04 0.00	21.35 0.04 -0.07	13.70 0.16 0.00	14.34 0.24 0.00	17.33 0.36 0.00	21.70 0.43 -0.11	33.24 0.75 -1.29	37.35 0.85 -1.89	38.83 0.79 -2.06	40.04 0.53 -2.21	41.25 0.64 -2.42	28.56 0.62 2.41	36.53 0.77 -1.68	64.13 1.10 -5.41	52.87 0.91 -4.41	43.85 0.81 -3.18	35.18 0.66 -2.06	33.28 0.43 -1.80	20.86 0.24 -0.15	30.12 0.31 -1.44
NEG MILLWOOD___DRP 24198	12.18 0.26 -9.55	20.58 0.92 -9.40	15.75 1.19 -0.65	19.90 1.50 0.00	21.21 1.52 0.00	22.96 1.73 0.00	14.68 1.14 0.00	15.38 1.29 0.00	18.53 1.56 0.00	23.17 2.02 0.00	34.43 3.22 0.00	38.22 3.61 0.00	39.91 3.93 0.00	41.55 4.24 0.00	43.79 4.39 -1.21	45.83 3.28 -12.20	50.49 3.55 -12.86	68.78 5.68 -5.48	59.96 4.61 -7.80	43.52 3.67 0.00	35.39 2.93 0.00	33.87 2.82 0.00	22.89 1.88 -0.54	32.16 2.65 -1.14
NEG NORTH_FLCN_SEA 23793	-1.28 -0.16 3.50	5.73 -0.46 4.07	9.09 -0.50 4.33	14.79 -0.50 3.11	19.33 -0.36 0.00	20.96 -0.28 0.00	13.27 -0.27 0.00	13.78 -0.31 0.00	16.43 -0.55 0.00	20.33 -0.82 0.00	29.28 -1.94 0.00	32.57 -2.04 0.00	20.42 -2.24 13.32	11.51 -2.32 23.47	35.73 -2.47 0.00	25.52 -1.84 2.99	32.22 -1.85 0.00	55.58 -2.04 0.00	45.91 -1.65 0.00	38.34 -1.51 0.00	31.21 -1.25 0.00	30.16 -0.88 0.00	20.24 -0.22 0.00	28.11 -0.26 0.00
NEG NORTH_KES_CHATEGAY 23792	-2.04 -0.18 4.24	4.78 -0.54 4.94	8.05 -0.61 5.26	13.87 -0.67 3.86	19.09 -0.59 0.00	20.68 -0.55 0.00	13.07 -0.46 0.00	13.60 -0.49 0.00	16.33 -0.65 0.00	20.33 -0.82 0.00	29.62 -1.59 0.00	32.87 -1.74 0.00	20.90 -1.98 13.10	12.20 -2.02 23.08	36.17 -2.03 0.00	11.24 -1.53 17.58	32.52 -1.56 0.00	55.87 -1.75 0.00	46.27 -1.29 0.00	38.78 -1.07 0.00	31.55 -0.92 0.00	30.22 -0.83 0.00	20.03 -0.43 0.00	27.74 -0.63 0.00
NEG NORTH___ALICE_FALLS 23915	-1.40 -0.16 3.62	5.61 -0.44 4.21	8.95 -0.49 4.48	14.68 -0.49 3.22	19.32 -0.36 0.00	20.97 -0.27 0.00	13.28 -0.26 0.00	13.81 -0.28 0.00	16.53 -0.44 0.00	20.51 -0.64 0.00	29.64 -1.57 0.00	32.99 -1.62 0.00	20.91 -1.79 13.28	12.03 -1.87 23.41	36.24 -1.95 0.00	23.62 -1.43 5.30	32.66 -1.42 0.00	56.49 -1.13 0.00	46.57 -0.99 0.00	38.89 -0.96 0.00	31.65 -0.82 0.00	30.43 -0.61 0.00	20.31 -0.15 0.00	28.14 -0.23 0.00
NEG NORTH___LWR_SARANAC 23913	-1.40 -0.16 3.62	5.61 -0.44 4.21	8.95 -0.49 4.48	14.68 -0.49 3.22	19.32 -0.36 0.00	20.97 -0.27 0.00	13.28 -0.26 0.00	13.81 -0.28 0.00	16.53 -0.44 0.00	20.51 -0.64 0.00	29.64 -1.57 0.00	32.99 -1.62 0.00	20.91 -1.79 13.28	12.03 -1.87 23.41	36.24 -1.95 0.00	23.62 -1.43 5.30	32.66 -1.42 0.00	56.49 -1.13 0.00	46.57 -0.99 0.00	38.89 -0.96 0.00	31.65 -0.82 0.00	30.43 -0.61 0.00	20.31 -0.15 0.00	28.14 -0.23 0.00
NEG NORTH___PLATTSBURG 23628	-1.40 -0.16 3.62	5.61 -0.44 4.21	8.95 -0.49 4.48	14.68 -0.49 3.22	19.32 -0.36 0.00	20.96 -0.27 0.00	13.28 -0.26 0.00	13.81 -0.28 0.00	16.53 -0.44 0.00	20.52 -0.64 0.00	29.64 -1.57 0.00	33.00 -1.62 0.00	20.91 -1.79 13.28	12.02 -1.87 23.41	36.24 -1.95 0.00	23.61 -1.43 5.30	32.66 -1.41 0.00	56.49 -1.13 0.00	46.56 -0.99 0.00	38.89 -0.96 0.00	31.65 -0.82 0.00	30.43 -0.61 0.00	20.31 -0.15 0.00	28.14 -0.23 0.00
NEG WEST_LEA_LOCKPORT 23791	2.21 -0.17 0.00	9.56 -0.79 -0.09	12.89 -1.12 -0.09	17.02 -1.37 0.00	18.33 -1.35 0.00	19.74 -1.49 0.00	12.61 -0.93 0.00	13.30 -0.79 0.00	16.19 -0.78 0.00	20.29 -0.86 0.00	29.82 -1.39 0.00	33.01 -1.60 0.00	33.63 -2.35 0.00	34.38 -2.92 0.00	35.49 -2.83 -0.13	28.19 -2.06 0.09	31.84 -2.16 0.08	53.82 -3.67 0.13	44.00 -3.38 0.18	37.47 -2.38 0.00	30.68 -1.79 0.00	29.35 -1.70 0.00	19.29 -1.17 0.00	26.78 -1.75 -0.16
NEG WEST___LANCASTR 23811	2.26 -0.11 0.00	9.84 -0.52 -0.11	13.34 -0.68 -0.11	17.59 -0.80 0.00	18.92 -0.76 0.00	20.39 -0.85 0.00	13.03 -0.51 0.00	13.72 -0.37 0.00	16.71 -0.26 0.00	20.95 -0.20 0.00	30.85 -0.36 0.00	34.27 -0.34 0.00	35.03 -0.95 0.00	35.94 -1.37 0.00	37.83 -1.14 -0.78	29.52 -0.83 0.00	33.24 -0.83 0.00	56.23 -1.39 0.00	45.89 -1.67 0.00	38.81 -1.04 0.00	31.63 -0.84 0.00	30.16 -0.89 0.00	19.89 -0.57 0.00	27.66 -0.89 -0.19
NEG_PENN_ALLEGHNY 23528	2.42 0.04 0.00	10.54 0.08 -0.19	14.24 0.12 -0.19	18.56 0.17 0.00	19.86 0.18 0.00	21.45 0.19 -0.03	13.73 0.19 0.00	14.32 0.23 0.00	17.34 0.37 0.00	21.75 0.55 -0.05	32.62 0.84 -0.57	36.55 1.08 -0.86	37.87 0.97 -0.92	39.23 0.94 -0.99	40.56 1.18 -1.18	31.75 0.88 -0.53	35.79 0.96 -0.75	61.65 1.60 -2.42	50.59 1.06 -1.97	42.04 0.77 -1.42	33.99 0.60 -0.92	32.36 0.51 -0.80	20.91 0.38 -0.07	29.75 0.46 -0.92
NEG___GEN_MONROE 24207	2.33 -0.05 0.00	10.09 -0.24 -0.07	13.61 -0.38 -0.07	17.94 -0.45 0.00	19.26 -0.42 0.00	20.77 -0.46 0.00	13.31 -0.23 0.00	14.01 -0.09 0.00	17.01 0.04 0.00	21.30 0.15 0.00	31.39 0.17 0.00	34.79 0.18 0.00	35.72 -0.26 0.00	36.64 -0.66 0.00	37.61 -0.52 0.06	30.00 -0.35 0.00	33.75 -0.33 0.00	57.14 -0.48 0.00	46.99 -0.57 0.00	39.61 -0.24 0.00	32.37 -0.10 0.00	30.92 -0.13 0.00	20.28 -0.18 0.00	28.09 -0.41 -0.13
NEPA___ENERGY 23901	2.31 -0.06 0.00	9.89 -0.48 -0.11	13.45 -0.57 -0.11	17.78 -0.62 0.00	19.10 -0.58 0.00	20.52 -0.71 0.00	13.15 -0.39 0.00	13.86 -0.23 0.00	16.94 -0.03 0.00	21.24 0.09 0.00	31.31 0.10 0.00	34.94 0.33 0.00	35.79 -0.19 0.00	36.74 -0.57 0.00	38.92 -0.16 -0.89	30.09 -0.25 0.00	33.93 -0.14 0.00	57.33 -0.28 0.00	46.71 -0.84 0.00	39.14 -0.71 0.00	31.87 -0.60 0.00	30.36 -0.68 0.00	20.10 -0.37 0.00	27.96 -0.61 -0.19

NEVERSINK___HYD 23608	-3.68 0.17 6.23	5.67 0.54 5.13	15.17 0.69 -0.57	19.24 0.85 0.00	20.53 0.84 0.00	22.20 0.97 0.00	14.20 0.66 0.00	14.86 0.77 0.00	17.91 0.94 0.00	22.41 1.26 0.00	33.16 1.94 0.00	36.81 2.20 0.00	38.48 2.50 0.00	40.06 2.76 0.00	41.42 3.07 -0.15	31.86 2.22 0.70	37.08 2.39 -0.61	61.45 3.82 0.00	48.64 3.22 2.14	40.83 2.53 1.55	32.40 1.92 1.98	31.36 1.81 1.50	18.16 1.19 3.49	30.34 1.62 -0.35
NEWKRMKL_115KV_TB1 55635	7.27 0.11 -4.78	15.89 0.42 -5.21	15.29 0.54 -0.83	19.10 0.71 0.00	20.42 0.73 0.00	21.99 0.75 0.00	14.08 0.55 0.00	14.66 0.56 0.00	17.61 0.64 0.00	21.91 0.76 0.00	32.46 1.25 0.00	35.83 1.22 0.00	37.41 1.43 0.00	38.80 1.49 0.00	39.91 1.36 -0.36	33.65 1.07 -2.24	39.40 0.99 -4.34	61.47 1.63 -2.22	52.00 1.28 -3.16	40.87 1.02 0.00	33.40 0.93 0.00	32.06 1.01 0.00	21.60 0.79 -0.35	30.94 1.12 -1.45
NEWTON___FALLS_HYD 23847	-21.60 -0.25 23.73	-18.09 -0.69 27.66	-16.53 -0.99 29.46	-4.69 -1.32 21.77	18.46 -1.23 0.00	20.03 -1.23 -0.03	12.82 -0.72 0.00	13.54 -0.55 0.00	16.33 -0.64 0.00	20.43 -0.77 -0.05	30.58 -1.18 -0.55	34.16 -1.26 -0.82	28.27 -1.32 6.39	24.19 -1.23 11.89	37.76 -1.49 -1.06	-93.09 -1.65 121.78	33.26 -1.67 -0.86	58.22 -2.34 -2.94	48.46 -1.49 -2.39	40.64 -0.94 -1.73	32.92 -0.61 -1.07	31.32 -0.65 -0.94	19.86 -0.68 -0.08	27.74 -1.34 -0.71
NGRID_A1_DSASP 323792	2.18 -0.20 0.00	9.46 -0.89 -0.09	12.77 -1.23 -0.09	16.80 -1.59 0.00	18.06 -1.62 0.00	19.43 -1.80 0.00	12.41 -1.13 0.00	13.07 -1.03 0.00	15.87 -1.10 0.00	19.89 -1.27 0.00	29.20 -2.01 0.00	32.34 -2.27 0.00	32.98 -3.00 0.00	33.71 -3.60 0.00	34.31 -3.53 0.36	27.86 -2.49 0.00	31.42 -2.66 0.00	52.95 -4.67 0.00	43.31 -4.25 0.00	36.70 -3.15 0.00	30.06 -2.40 0.00	28.78 -2.26 0.00	18.96 -1.50 0.00	26.33 -2.21 -0.16
NGRID_A2_DSASP 323793	2.18 -0.20 0.00	9.46 -0.89 -0.09	12.77 -1.23 -0.09	16.80 -1.59 0.00	18.06 -1.62 0.00	19.43 -1.80 0.00	12.41 -1.13 0.00	13.07 -1.03 0.00	15.87 -1.10 0.00	19.89 -1.27 0.00	29.20 -2.01 0.00	32.34 -2.27 0.00	32.98 -3.00 0.00	33.71 -3.60 0.00	34.31 -3.53 0.36	27.86 -2.49 0.00	31.42 -2.66 0.00	52.95 -4.67 0.00	43.31 -4.25 0.00	36.70 -3.15 0.00	30.06 -2.40 0.00	28.78 -2.26 0.00	18.96 -1.50 0.00	26.33 -2.21 -0.16
NGRID_A4_DSASP 323807	2.18 -0.20 0.00	9.46 -0.89 -0.09	12.77 -1.23 -0.09	16.80 -1.59 0.00	18.06 -1.62 0.00	19.43 -1.80 0.00	12.41 -1.13 0.00	13.07 -1.03 0.00	15.87 -1.10 0.00	19.89 -1.27 0.00	29.20 -2.01 0.00	32.34 -2.27 0.00	32.98 -3.00 0.00	33.71 -3.60 0.00	34.31 -3.53 0.36	27.86 -2.49 0.00	31.42 -2.66 0.00	52.95 -4.67 0.00	43.31 -4.25 0.00	36.70 -3.15 0.00	30.06 -2.40 0.00	28.78 -2.26 0.00	18.96 -1.50 0.00	26.33 -2.21 -0.16
NIAGARA_115E_LBMP 323715	2.18 -0.20 0.00	9.48 -0.88 -0.09	12.79 -1.22 -0.09	16.89 -1.51 0.00	18.20 -1.49 0.00	19.58 -1.65 0.00	12.51 -1.03 0.00	13.18 -0.91 0.00	16.03 -0.95 0.00	20.08 -1.07 0.00	29.48 -1.73 0.00	32.66 -1.95 0.00	33.30 -2.69 0.00	34.04 -3.26 0.00	35.22 -3.17 -0.20	28.11 -2.24 -0.01	31.70 -2.38 -0.01	53.46 -4.17 -0.01	43.75 -3.82 -0.02	37.09 -2.76 0.00	30.36 -2.10 0.00	29.04 -2.00 0.00	19.13 -1.33 0.00	26.55 -1.99 -0.16
NIAGARA_115W_LBMP 323714	2.18 -0.20 0.00	9.45 -0.90 -0.09	12.75 -1.26 -0.09	16.77 -1.63 0.00	18.02 -1.67 0.00	19.38 -1.85 0.00	12.38 -1.17 0.00	13.03 -1.06 0.00	15.84 -1.14 0.00	19.84 -1.32 0.00	29.12 -2.09 0.00	32.26 -2.35 0.00	32.89 -3.10 0.00	33.62 -3.69 0.00	34.21 -3.62 0.36	27.80 -2.55 0.00	31.34 -2.73 0.00	52.80 -4.82 0.00	43.20 -4.36 0.00	36.60 -3.25 0.00	29.98 -2.48 0.00	28.71 -2.33 0.00	18.92 -1.54 0.00	26.25 -2.28 -0.16
NIAGARA_230_LBMP 323716	2.19 -0.18 0.00	9.54 -0.81 -0.09	12.88 -1.12 -0.09	17.00 -1.40 0.00	18.29 -1.39 0.00	19.68 -1.55 0.00	12.57 -0.97 0.00	13.23 -0.86 0.00	16.08 -0.89 0.00	20.15 -1.00 0.00	29.63 -1.58 0.00	32.83 -1.77 0.00	33.50 -2.48 0.00	34.28 -3.02 0.00	34.90 -2.93 0.37	28.28 -2.06 0.01	31.86 -2.21 0.00	53.75 -3.86 0.01	44.00 -3.54 0.01	37.24 -2.61 0.00	30.46 -2.00 0.00	29.14 -1.90 0.00	19.19 -1.27 0.00	26.66 -1.87 -0.16
NIAGARA___115KV_198_GIBSON 55903	2.19 -0.19 0.00	9.45 -0.90 -0.09	12.75 -1.26 -0.09	16.76 -1.64 0.00	18.01 -1.68 0.00	19.38 -1.86 0.00	12.37 -1.17 0.00	13.03 -1.07 0.00	15.83 -1.14 0.00	19.83 -1.32 0.00	29.11 -2.10 0.00	32.24 -2.37 0.00	32.87 -3.11 0.00	33.59 -3.71 0.00	34.17 -3.67 0.36	27.72 -2.63 0.00	31.28 -2.79 0.00	52.79 -4.83 0.00	43.21 -4.35 0.00	36.60 -3.25 0.00	29.97 -2.49 0.00	28.69 -2.35 0.00	18.89 -1.57 0.00	26.25 -2.29 -0.16
NIAGARA___ 23760	2.19 -0.18 0.00	9.54 -0.81 -0.09	12.88 -1.12 -0.09	17.00 -1.40 0.00	18.29 -1.39 0.00	19.68 -1.55 0.00	12.57 -0.97 0.00	13.23 -0.86 0.00	16.08 -0.89 0.00	20.15 -1.00 0.00	29.63 -1.58 0.00	32.83 -1.77 0.00	33.50 -2.48 0.00	34.28 -3.02 0.00	35.01 -2.93 0.26	28.28 -2.06 0.00	31.87 -2.21 0.00	53.75 -3.86 0.00	44.01 -3.54 0.00	37.24 -2.61 0.00	30.46 -2.00 0.00	29.14 -1.90 0.00	19.19 -1.27 0.00	26.66 -1.87 -0.16
NINE_MILE_1 23575	2.31 -0.07 0.00	10.00 -0.30 -0.04	13.54 -0.41 -0.04	17.84 -0.55 0.00	19.07 -0.61 0.00	20.10 -0.68 0.45	13.17 -0.37 0.00	13.74 -0.35 0.00	16.58 -0.39 0.00	19.93 -0.49 0.73	21.99 -0.72 8.50	21.34 -0.79 12.48	21.29 -0.86 13.82	21.57 -0.96 14.78	21.05 -0.93 16.21	21.70 -0.75 7.89	22.07 -0.85 11.15	20.36 -1.44 35.82	17.16 -1.25 29.14	17.74 -1.04 21.07	18.03 -0.84 13.59	18.32 -0.82 11.90	18.92 -0.55 0.99	18.96 -0.83 8.58
NINE_MILE_2 23744	2.31 -0.07 0.00	10.00 -0.29 -0.04	13.54 -0.41 -0.04	17.84 -0.55 0.00	19.07 -0.61 0.00	20.09 -0.68 0.46	13.17 -0.37 0.00	13.74 -0.35 0.00	16.59 -0.39 0.00	19.92 -0.49 0.74	21.87 -0.72 8.63	21.16 -0.79 12.67	21.09 -0.86 14.03	21.34 -0.96 15.00	20.81 -0.93 16.46	21.58 -0.75 8.01	21.91 -0.85 11.31	19.82 -1.44 36.36	16.72 -1.25 29.58	17.43 -1.04 21.39	17.83 -0.83 13.80	18.14 -0.82 12.08	18.91 -0.55 1.00	18.83 -0.83 8.71
NM_CAPITAL___DRP 24208	7.39 0.12 -4.89	16.01 0.44 -5.31	15.32 0.58 -0.83	19.15 0.75 0.00	20.46 0.78 0.00	22.04 0.81 0.00	14.12 0.58 0.00	14.68 0.59 0.00	17.64 0.67 0.00	21.95 0.79 0.00	32.50 1.29 0.00	35.90 1.29 0.00	37.48 1.49 0.00	38.88 1.57 0.00	39.98 1.42 -0.36	33.74 1.10 -2.30	39.57 1.05 -4.45	61.63 1.73 -2.28	52.15 1.35 -3.24	40.94 1.09 0.00	33.43 0.97 0.00	32.10 1.06 0.00	21.65 0.82 -0.36	30.98 1.16 -1.45
NM_CENTRAL___DRP 24181	2.37 -0.01 0.00	10.23 -0.08 -0.05	13.84 -0.13 -0.05	18.18 -0.18 0.03	19.48 -0.21 0.00	21.05 -0.23 -0.04	13.48 -0.06 0.00	14.08 -0.01 0.00	17.02 0.05 0.00	21.30 0.08 -0.07	32.20 0.15 -0.84	36.04 0.20 -1.24	37.51 0.17 -1.36	38.85 0.09 -1.45	39.98 0.19 -1.60	26.06 0.12 4.40	35.30 0.10 -1.12	61.46 0.21 -3.63	50.56 0.05 -2.95	42.01 0.03 -2.14	33.86 0.02 -1.38	32.22 -0.03 -1.21	20.51 -0.05 -0.10	29.17 -0.16 -0.97

NM_FRONTIER___DRP 24179	2.19 -0.19 0.00	9.45 -0.90 -0.09	12.75 -1.26 -0.09	16.76 -1.64 0.00	18.01 -1.68 0.00	19.38 -1.86 0.00	12.37 -1.17 0.00	13.03 -1.07 0.00	15.83 -1.14 0.00	19.83 -1.32 0.00	29.11 -2.10 0.00	32.24 -2.37 0.00	32.87 -3.11 0.00	33.59 -3.71 0.00	34.17 -3.67 0.36	27.72 -2.63 0.00	31.28 -2.79 0.00	52.79 -4.83 0.00	43.21 -4.35 0.00	36.60 -3.25 0.00	29.97 -2.49 0.00	28.69 -2.35 0.00	18.89 -1.57 0.00	26.25 -2.29 -0.16
NM_ST_REGIS___HYD 24053	-8.84 -0.21 11.01	-3.33 -0.67 12.93	-0.73 -0.88 13.77	6.51 -1.10 10.78	18.61 -1.07 0.00	20.17 -1.08 -0.01	12.78 -0.76 0.00	13.35 -0.74 0.00	16.02 -0.95 0.00	19.97 -1.20 -0.02	29.46 -2.00 -0.25	32.78 -2.20 -0.37	22.90 -2.44 10.65	15.87 -2.39 19.05	36.16 -2.52 -0.48	-123.05 -2.00 151.40	32.49 -1.98 -0.39	55.92 -3.04 -1.34	46.53 -2.11 -1.09	39.06 -1.58 -0.79	31.67 -1.28 -0.49	30.21 -1.27 -0.43	19.60 -0.90 -0.04	27.32 -1.36 -0.31
NORTHPORT___1 23551	50.57 0.30 -47.89	68.68 1.00 -57.42	47.89 1.29 -32.69	48.91 1.59 -28.92	64.20 1.63 -42.88	32.05 1.84 -8.98	48.49 1.20 -33.75	47.09 1.33 -31.66	40.14 1.59 -21.57	39.36 1.96 -16.24	51.37 3.30 -16.86	55.10 3.66 -16.84	44.22 3.80 -4.44	94.21 4.15 -52.75	98.93 4.13 -56.61	103.97 2.84 -70.78	113.82 3.04 -76.70	252.06 4.81 -189.63	107.94 4.02 -56.37	49.93 3.17 -6.91	45.11 2.60 -10.05	52.40 2.57 -18.79	40.04 1.66 -17.92	41.08 2.75 -9.96
NORTHPORT___2 23552	50.57 0.30 -47.89	68.68 1.00 -57.42	47.89 1.29 -32.69	48.91 1.59 -28.92	64.20 1.63 -42.88	32.05 1.84 -8.98	48.49 1.20 -33.75	47.09 1.33 -31.66	40.14 1.59 -21.57	39.36 1.96 -16.24	51.37 3.30 -16.86	55.10 3.66 -16.84	44.22 3.80 -4.44	94.21 4.15 -52.75	98.93 4.13 -56.61	103.97 2.84 -70.78	113.82 3.04 -76.70	211.69 4.81 -149.26	66.09 4.02 -14.52	38.58 3.17 4.44	43.42 2.60 -8.36	52.40 2.57 -18.79	40.04 1.66 -17.92	41.08 2.75 -9.96
NORTHPORT___3 23553	50.57 0.30 -47.89	68.68 1.00 -57.42	47.90 1.29 -32.69	48.92 1.61 -28.92	64.19 1.62 -42.88	32.02 1.81 -8.98	48.48 1.20 -33.75	46.71 1.39 -31.22	40.19 1.65 -21.57	37.42 2.09 -14.18	51.25 3.30 -16.73	55.11 3.67 -16.84	44.22 3.80 -4.44	94.16 4.10 -52.75	98.92 4.11 -56.61	99.64 3.08 -66.21	116.25 3.16 -79.01	213.73 4.83 -151.28	66.14 4.00 -14.58	34.74 3.18 8.30	43.57 2.61 -8.49	52.45 2.62 -18.78	40.11 1.73 -17.92	41.18 2.85 -9.96
NORTHPORT___4 23650	50.57 0.30 -47.89	68.68 1.00 -57.42	47.90 1.29 -32.69	48.92 1.61 -28.92	64.19 1.62 -42.88	32.02 1.81 -8.98	48.48 1.20 -33.75	46.71 1.39 -31.22	40.19 1.65 -21.57	37.42 2.09 -14.18	51.25 3.30 -16.73	55.11 3.67 -16.84	44.22 3.80 -4.44	94.16 4.10 -52.75	98.92 4.11 -56.61	99.64 3.08 -66.21	116.25 3.16 -79.01	213.73 4.83 -151.28	66.14 4.00 -14.58	34.74 3.18 8.30	43.57 2.61 -8.49	52.45 2.62 -18.78	40.11 1.73 -17.92	41.18 2.85 -9.96
NORTHPORT___IC 23718	50.57 0.30 -47.89	68.68 1.00 -57.42	47.89 1.29 -32.69	48.91 1.59 -28.92	64.20 1.63 -42.88	32.04 1.83 -8.97	48.49 1.20 -33.74	47.09 1.33 -31.66	40.14 1.59 -21.57	39.36 1.96 -16.24	51.37 3.30 -16.86	55.11 3.66 -16.84	44.22 3.80 -4.44	94.21 4.15 -52.75	98.94 4.13 -56.62	103.98 2.85 -70.78	113.82 3.04 -76.70	211.69 4.81 -149.26	66.09 4.02 -14.51	38.59 3.18 4.44	43.42 2.60 -8.36	52.41 2.58 -18.78	40.05 1.67 -17.92	41.08 2.75 -9.96
NORTH___COUNTRY_ESR 323785	-2.07 -0.19 4.25	4.73 -0.57 4.96	7.98 -0.65 5.28	13.79 -0.73 3.88	19.03 -0.65 0.00	20.63 -0.61 0.00	13.03 -0.50 0.00	13.56 -0.54 0.00	16.30 -0.67 0.00	20.29 -0.86 0.00	29.56 -1.65 0.00	32.83 -1.79 0.00	20.90 -1.99 13.09	12.21 -2.02 23.07	36.12 -2.07 0.00	10.90 -1.54 17.91	32.51 -1.56 0.00	55.74 -1.88 0.00	46.16 -1.40 0.00	38.66 -1.19 0.00	31.43 -1.04 0.00	30.08 -0.97 0.00	19.95 -0.51 0.00	27.65 -0.72 0.00
NPX_GEN_1385_PROXY 323591	47.22 0.28 -44.56	68.70 1.02 -57.42	47.82 1.22 -32.69	48.64 1.32 -28.92	64.13 1.56 -42.88	33.50 1.72 -10.55	48.35 1.06 -33.75	46.80 1.05 -31.66	39.69 1.15 -21.57	3.41 1.34 19.08	33.34 2.41 0.28	48.28 2.69 -10.98	43.45 3.03 -4.44	94.41 4.35 -52.75	99.26 4.46 -56.61	104.15 3.02 -70.78	113.55 2.77 -76.70	246.17 6.27 -182.28	101.71 5.41 -48.74	63.14 4.34 -18.95	45.89 3.51 -9.92	52.67 2.84 -18.79	18.70 1.07 2.83	40.27 1.93 -9.96
NPX_GEN_CSC 323557	47.26 0.33 -44.56	68.79 1.11 -57.42	48.02 1.41 -32.69	49.10 1.78 -28.92	64.45 1.88 -42.88	33.92 2.14 -10.55	48.72 1.43 -33.75	74.23 1.68 -58.45	40.50 1.96 -21.57	57.18 2.45 -33.58	53.03 3.91 -17.91	55.71 4.27 -16.84	44.86 4.44 -4.44	94.79 4.73 -52.75	99.61 4.79 -56.63	216.55 3.53 -182.67	239.05 3.82 -201.15	298.63 6.25 -234.75	270.98 5.42 -218.01	84.36 4.02 -40.49	51.81 3.27 -16.08	53.07 3.23 -18.79	38.27 2.04 -15.77	41.55 3.21 -9.96
NSINS_S_GLNS_FALLS 23858	7.01 0.14 -4.49	15.84 0.62 -4.97	15.68 0.91 -0.85	19.61 1.22 0.00	20.99 1.31 0.00	22.64 1.40 0.00	14.52 0.98 0.00	15.16 1.06 0.00	18.20 1.23 0.00	22.52 1.37 0.00	33.06 1.85 0.00	36.78 2.17 0.00	38.59 2.60 0.00	39.97 2.67 0.00	41.01 2.49 -0.33	34.21 1.78 -2.09	40.11 1.99 -4.05	63.66 3.97 -2.07	54.21 3.70 -2.95	42.82 2.97 0.00	34.97 2.51 0.00	33.49 2.45 0.00	22.40 1.60 -0.33	31.91 2.05 -1.49
NUCOR_STEEL___DRP 24197	2.39 0.02 0.00	10.39 0.06 -0.07	14.06 0.07 -0.07	18.47 0.09 0.02	19.71 0.02 0.00	21.33 0.02 -0.07	13.70 0.16 0.00	14.32 0.23 0.00	17.31 0.34 0.00	21.65 0.38 -0.12	33.25 0.67 -1.37	37.38 0.75 -2.01	38.90 0.71 -2.21	40.11 0.44 -2.36	41.34 0.55 -2.59	28.50 0.56 2.42	36.56 0.68 -1.80	64.34 0.93 -5.79	53.09 0.82 -4.71	43.98 0.72 -3.41	35.26 0.60 -2.20	33.35 0.38 -1.92	20.84 0.21 -0.16	30.18 0.28 -1.52
NUMBER_THREE_WT_PWR 323818	-42.37 -0.27 44.48	-41.92 -0.49 51.69	-41.92 -0.78 55.06	-22.25 -1.05 39.60	18.84 -0.85 0.00	20.49 -0.78 -0.04	13.21 -0.33 0.00	13.96 -0.13 0.00	16.88 -0.09 0.00	21.19 -0.03 -0.06	31.76 -0.14 -0.70	35.50 -0.13 -1.02	33.76 -0.08 2.14	32.76 0.02 4.56	39.32 -0.20 -1.32	-29.33 -0.82 58.86	34.46 -0.77 -1.16	61.29 -0.38 -4.05	51.10 0.25 -3.29	42.73 0.49 -2.38	34.53 0.62 -1.45	32.83 0.52 -1.27	20.50 -0.07 -0.10	28.69 -0.66 -0.98
NYISO_LBMP_REFERENCE 24008	2.38 0.00 0.00	10.26 0.00 0.00	13.92 0.00 0.00	18.40 0.00 0.00	19.69 0.00 0.00	21.23 0.00 0.00	13.54 0.00 0.00	14.09 0.00 0.00	16.97 0.00 0.00	21.15 0.00 0.00	31.21 0.00 0.00	34.61 0.00 0.00	35.98 0.00 0.00	37.31 0.00 0.00	38.19 0.00 0.00	30.35 0.00 0.00	34.08 0.00 0.00	57.62 0.00 0.00	47.56 0.00 0.00	39.85 0.00 0.00	32.46 0.00 0.00	31.04 0.00 0.00	20.46 0.00 0.00	28.37 0.00 0.00
NYPA_BRENTWD____GT 24164	50.61 0.34 -47.89	68.88 1.20 -57.42	48.15 1.54 -32.69	49.25 1.94 -28.92	64.55 1.98 -42.88	32.44 2.23 -8.98	48.76 1.48 -33.75	53.71 1.66 -37.95	40.54 2.00 -21.57	43.13 2.49 -19.49	52.24 3.98 -17.05	55.91 4.46 -16.84	45.03 4.61 -4.44	94.92 4.87 -52.75	99.50 4.69 -56.62	132.79 3.38 -99.06	156.14 3.66 -118.40	263.48 5.89 -199.97	130.52 4.92 -78.05	55.14 3.90 -11.38	46.91 3.26 -11.19	53.11 3.28 -18.79	40.48 2.10 -17.92	41.62 3.28 -9.96

NYPA_GOWANUS____GT5 24156	80.67 0.31 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.02 0.00	34.52 3.31 0.00	38.25 3.64 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.65 4.05 -12.41	67.59 2.87 -34.36	58.16 3.08 -21.00	75.24 5.02 -12.59	136.16 4.23 -84.38	145.63 3.35 -102.43	73.71 2.63 -38.62	57.44 2.54 -23.86	37.18 1.73 -14.99	59.77 2.61 -28.79
NYPA_GOWANUS____GT6 24157	80.67 0.31 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.69 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.02 0.00	34.52 3.31 0.00	38.25 3.64 0.00	39.81 3.82 -0.01	41.68 4.07 -0.30	54.65 4.05 -12.41	67.59 2.87 -34.36	58.16 3.08 -21.00	75.24 5.02 -12.59	136.16 4.23 -84.38	145.63 3.35 -102.43	73.71 2.63 -38.62	57.44 2.54 -23.86	37.18 1.73 -14.99	59.77 2.61 -28.79
NYPA_HARLEM__RVR__GT1 24160	31.85 0.32 -29.15	38.63 1.02 -27.35	15.85 1.29 -0.64	20.00 1.60 0.00	21.28 1.59 0.00	23.11 1.88 0.00	14.74 1.20 0.00	15.46 1.37 0.00	18.53 1.56 0.00	23.10 1.95 0.00	34.41 3.20 0.00	38.02 3.41 0.00	39.62 3.64 0.00	41.22 3.92 0.01	43.81 3.96 -1.66	54.75 2.81 -21.59	58.10 3.01 -21.01	71.66 4.89 -9.15	73.38 4.09 -21.73	49.40 3.22 -6.33	43.05 2.50 -8.09	39.55 2.40 -6.10	36.20 1.63 -14.10	34.61 2.49 -3.75
NYPA_HARLEM__RVR__GT2 24161	31.85 0.32 -29.15	38.63 1.02 -27.35	15.85 1.29 -0.64	20.00 1.60 0.00	21.28 1.59 0.00	23.11 1.88 0.00	14.74 1.20 0.00	15.46 1.37 0.00	18.53 1.56 0.00	23.10 1.95 0.00	34.41 3.20 0.00	38.02 3.41 0.00	39.62 3.64 0.00	41.22 3.92 0.01	43.81 3.96 -1.66	54.75 2.81 -21.59	58.10 3.01 -21.01	71.66 4.89 -9.15	73.38 4.09 -21.73	49.40 3.22 -6.33	43.05 2.50 -8.09	39.55 2.40 -6.10	36.20 1.63 -14.10	34.61 2.49 -3.75
NYPA_KENT____GT 24152	59.94 0.30 -57.26	43.77 1.02 -32.49	15.87 1.31 -0.64	20.04 1.64 0.00	21.34 1.65 0.00	23.12 1.89 0.00	14.76 1.21 0.00	15.46 1.37 0.00	18.56 1.58 0.00	23.13 1.98 0.00	34.47 3.25 0.00	38.16 3.55 0.00	39.70 3.72 0.00	41.43 3.95 -0.18	49.51 3.95 -7.37	59.71 2.80 -26.55	58.08 3.00 -21.00	73.00 4.89 -10.48	93.92 4.08 -42.29	62.01 3.23 -18.93	55.23 2.52 -20.24	46.64 2.45 -13.15	36.60 1.68 -14.45	49.36 2.54 -18.45
NYPA_POUCHI____GT 24155	80.67 0.30 -77.99	47.55 1.00 -36.29	15.88 1.31 -0.65	20.06 1.66 0.00	21.36 1.67 -0.01	23.14 1.90 0.00	14.77 1.22 -0.01	15.47 1.38 0.00	18.56 1.58 -0.01	23.11 1.96 0.00	34.41 3.20 0.00	38.16 3.54 0.00	39.70 3.71 -0.01	41.57 3.96 -0.30	54.54 3.94 -12.41	67.50 2.79 -34.36	58.09 3.01 -21.00	75.16 4.94 -12.59	136.05 4.11 -84.38	145.54 3.26 -102.43	73.64 2.56 -38.62	57.37 2.47 -23.86	37.15 1.70 -14.99	59.71 2.55 -28.79
NYPA_VERNON____GT2 24162	39.20 0.29 -36.53	39.95 0.99 -28.70	15.83 1.27 -0.64	19.99 1.60 0.00	21.28 1.59 0.00	23.07 1.83 0.00	14.71 1.17 0.00	15.43 1.33 0.00	18.51 1.54 0.00	23.08 1.93 0.00	34.40 3.19 0.00	38.08 3.47 0.00	39.61 3.63 0.00	41.21 3.86 -0.04	44.40 3.87 -2.34	51.85 2.76 -18.75	58.04 2.96 -21.00	70.77 4.78 -8.37	61.37 3.97 -9.85	41.79 3.12 1.19	37.23 2.45 -2.32	35.86 2.37 -2.44	36.00 1.63 -13.91	38.96 2.48 -8.11
NYPA_VERNON____GT3 24163	39.20 0.29 -36.53	39.95 0.99 -28.70	15.83 1.27 -0.64	19.99 1.60 0.00	21.28 1.59 0.00	23.07 1.83 0.00	14.71 1.17 0.00	15.43 1.33 0.00	18.51 1.54 0.00	23.08 1.93 0.00	34.40 3.19 0.00	38.08 3.47 0.00	39.61 3.63 0.00	41.21 3.86 -0.04	44.40 3.87 -2.34	51.85 2.76 -18.75	58.04 2.96 -21.00	70.77 4.78 -8.37	61.37 3.97 -9.85	41.79 3.12 1.19	37.23 2.45 -2.32	35.86 2.37 -2.44	36.00 1.63 -13.91	38.96 2.48 -8.11
NYPA__ASTORIA_CC1 323568	31.82 0.29 -29.15	38.58 0.98 -27.35	15.81 1.25 -0.64	19.96 1.57 0.00	21.25 1.57 0.00	23.04 1.80 0.00	14.69 1.15 0.00	15.40 1.30 0.00	18.47 1.49 0.00	23.03 1.88 0.00	34.32 3.11 0.00	37.98 3.37 0.00	39.52 3.54 0.00	41.07 3.77 0.01	42.27 3.79 -0.29	47.72 2.69 -14.68	57.95 2.88 -21.00	69.55 4.66 -7.27	44.36 3.87 7.07	31.18 3.04 11.72	27.99 2.37 6.85	30.26 2.30 3.08	35.67 1.57 -13.63	34.52 2.40 -3.75
NYPA__ASTORIA_CC2 323569	31.82 0.29 -29.15	38.58 0.98 -27.35	15.81 1.25 -0.64	19.96 1.57 0.00	21.25 1.57 0.00	23.04 1.80 0.00	14.69 1.15 0.00	15.40 1.30 0.00	18.47 1.49 0.00	23.03 1.88 0.00	34.32 3.11 0.00	37.98 3.37 0.00	39.52 3.54 0.00	41.07 3.77 0.01	42.27 3.79 -0.29	47.72 2.69 -14.68	57.95 2.88 -21.00	69.55 4.66 -7.27	44.36 3.87 7.07	31.18 3.04 11.72	27.99 2.37 6.85	30.26 2.30 3.08	35.67 1.57 -13.63	34.52 2.40 -3.75
NYPA__HOLTSVILL 23794	50.60 0.33 -47.89	68.81 1.13 -57.42	48.05 1.44 -32.69	49.13 1.82 -28.92	64.44 1.87 -42.88	32.33 2.12 -8.98	48.69 1.40 -33.75	74.31 1.61 -58.61	40.46 1.91 -21.57	56.79 2.38 -33.26	52.92 3.81 -17.89	55.64 4.19 -16.84	44.75 4.33 -4.44	94.71 4.65 -52.75	99.51 4.69 -56.62	214.10 3.40 -180.35	234.55 3.64 -196.84	295.48 5.69 -232.17	262.36 4.82 -209.98	82.48 3.85 -38.77	51.58 3.16 -15.96	52.97 3.13 -18.79	40.38 2.00 -17.92	41.51 3.18 -9.96
NYPA____HELLGATE_GT1 24158	31.85 0.32 -29.15	38.63 1.02 -27.35	15.85 1.29 -0.64	20.00 1.60 0.00	21.28 1.59 0.00	23.11 1.88 0.00	14.74 1.20 0.00	15.46 1.37 0.00	18.53 1.56 0.00	23.10 1.95 0.00	34.41 3.20 0.00	38.02 3.41 0.00	39.62 3.64 0.00	41.22 3.92 0.01	43.81 3.96 -1.66	54.75 2.81 -21.59	58.10 3.01 -21.01	71.66 4.89 -9.15	73.38 4.09 -21.73	49.40 3.22 -6.33	43.05 2.50 -8.09	39.55 2.40 -6.10	36.20 1.63 -14.10	34.61 2.49 -3.75
NYPA____HELLGATE_GT2 24159	31.85 0.32 -29.15	38.63 1.02 -27.35	15.85 1.29 -0.64	20.00 1.60 0.00	21.28 1.59 0.00	23.11 1.88 0.00	14.74 1.20 0.00	15.46 1.37 0.00	18.53 1.56 0.00	23.10 1.95 0.00	34.41 3.20 0.00	38.02 3.41 0.00	39.62 3.64 0.00	41.22 3.92 0.01	43.81 3.96 -1.66	54.75 2.81 -21.59	58.10 3.01 -21.01	71.66 4.89 -9.15	73.38 4.09 -21.73	49.40 3.22 -6.33	43.05 2.50 -8.09	39.55 2.40 -6.10	36.20 1.63 -14.10	34.61 2.49 -3.75
NYS_BARGE__HYD 23848	2.21 -0.17 0.00	9.60 -0.75 -0.09	12.96 -1.05 -0.09	17.11 -1.29 0.00	18.43 -1.26 0.00	19.84 -1.40 0.00	12.68 -0.86 0.00	13.38 -0.72 0.00	16.27 -0.70 0.00	20.40 -0.75 0.00	29.97 -1.24 0.00	33.18 -1.43 0.00	33.81 -2.17 0.00	34.57 -2.73 0.00	35.78 -2.62 -0.21	28.53 -1.84 -0.02	32.16 -1.93 -0.02	54.27 -3.38 -0.03	44.45 -3.15 -0.04	37.68 -2.17 0.00	30.84 -1.62 0.00	29.51 -1.53 0.00	19.42 -1.05 0.00	26.91 -1.62 -0.16
OAK ORCHARD__HYD 24046	2.31 -0.07 0.00	10.04 -0.29 -0.07	13.56 -0.43 -0.07	17.86 -0.53 0.00	19.18 -0.51 0.00	20.67 -0.57 0.00	13.24 -0.30 0.00	13.91 -0.18 0.00	16.89 -0.08 0.00	21.13 -0.02 0.00	31.16 -0.05 0.00	34.54 -0.07 0.00	35.50 -0.48 0.00	36.50 -0.80 0.00	37.43 -0.70 0.07	29.90 -0.45 0.00	33.63 -0.45 0.00	56.89 -0.74 0.00	46.76 -0.81 0.00	39.37 -0.48 0.00	32.15 -0.32 0.00	30.70 -0.35 0.00	20.16 -0.31 0.00	27.92 -0.58 -0.13

OAKDALE___35_KV_LOAD 356122	2.41 0.03 0.00	10.50 0.04 -0.19	14.18 0.07 -0.19	18.50 0.10 0.00	19.79 0.10 0.00	21.37 0.11 -0.03	13.67 0.13 0.00	14.26 0.16 0.00	17.26 0.28 0.00	21.62 0.42 -0.05	32.42 0.66 -0.55	36.33 0.87 -0.84	37.63 0.75 -0.90	38.96 0.70 -0.96	40.28 0.93 -1.15	31.53 0.68 -0.51	35.54 0.73 -0.73	61.19 1.22 -2.35	50.24 0.77 -1.92	41.76 0.52 -1.39	33.77 0.42 -0.89	32.18 0.35 -0.78	20.80 0.27 -0.07	29.60 0.32 -0.90
OCC_CHEM___DRP 24175	2.19 -0.18 0.00	9.47 -0.88 -0.09	12.77 -1.24 -0.09	16.80 -1.60 0.00	18.05 -1.63 0.00	19.43 -1.81 0.00	12.40 -1.14 0.00	13.06 -1.04 0.00	15.87 -1.10 0.00	19.88 -1.27 0.00	29.18 -2.03 0.00	32.33 -2.28 0.00	32.96 -3.03 0.00	33.67 -3.63 0.00	34.27 -3.57 0.36	27.79 -2.56 0.00	31.36 -2.72 0.00	52.93 -4.69 0.00	43.31 -4.25 0.00	36.70 -3.15 0.00	30.05 -2.41 0.00	28.77 -2.27 0.00	18.94 -1.52 0.00	26.31 -2.22 -0.16
OH_GEN_PROXY 24063	-1.13 -0.18 3.33	9.56 -0.79 -0.09	12.92 -1.09 -0.09	17.05 -1.35 0.00	18.34 -1.34 0.00	21.31 -1.50 -1.57	12.60 -0.93 0.00	13.27 -0.83 0.00	16.13 -0.84 0.00	20.21 -0.94 0.00	29.73 -1.48 0.00	32.96 -1.65 0.00	33.64 -2.34 0.00	34.42 -2.89 0.00	35.07 -2.78 0.35	28.38 -1.97 0.01	31.97 -2.10 0.00	53.96 -3.65 0.01	44.17 -3.38 0.01	37.36 -2.50 0.00	30.54 -1.92 0.00	29.21 -1.84 0.00	17.09 -1.23 2.15	26.72 -1.81 -0.16
OLIN_CORP_DRP 24177	2.20 -0.18 0.00	9.50 -0.86 -0.09	12.81 -1.20 -0.09	16.91 -1.48 0.00	18.22 -1.47 0.00	19.61 -1.63 0.00	12.52 -1.02 0.00	13.20 -0.90 0.00	16.04 -0.93 0.00	20.10 -1.05 0.00	29.52 -1.69 0.00	32.71 -1.90 0.00	33.33 -2.64 0.00	34.08 -3.23 0.00	35.31 -3.15 -0.26	28.10 -2.26 -0.01	31.71 -2.37 0.00	53.56 -4.07 -0.01	43.84 -3.73 -0.01	37.15 -2.70 0.00	30.40 -2.06 0.00	29.08 -1.96 0.00	19.14 -1.32 0.00	26.59 -1.95 -0.16
OLIN_CORP_DSASP 323712	2.18 -0.20 0.00	9.46 -0.89 -0.09	12.77 -1.23 -0.09	16.80 -1.59 0.00	18.06 -1.62 0.00	19.43 -1.80 0.00	12.41 -1.13 0.00	13.07 -1.03 0.00	15.87 -1.10 0.00	19.89 -1.27 0.00	29.20 -2.01 0.00	32.34 -2.27 0.00	32.98 -3.00 0.00	33.71 -3.60 0.00	34.31 -3.53 0.36	27.86 -2.49 0.00	31.42 -2.66 0.00	52.95 -4.67 0.00	43.31 -4.25 0.00	36.70 -3.15 0.00	30.06 -2.40 0.00	28.78 -2.26 0.00	18.96 -1.50 0.00	26.33 -2.21 -0.16
ONEIDA_HERK_LFGE 323681	28.95 -0.11 -26.69	41.12 -0.12 -30.98	46.68 -0.23 -33.00	41.33 -0.33 -23.26	19.49 -0.20 0.00	21.12 -0.13 -0.02	13.57 0.03 0.00	14.25 0.15 0.00	17.24 0.27 0.00	21.60 0.41 -0.04	32.24 0.58 -0.45	35.96 0.68 -0.66	35.85 0.71 0.84	36.11 0.79 1.99	39.74 0.69 -0.86	-3.38 0.20 33.93	35.40 0.35 -0.97	62.72 1.50 -3.61	52.15 1.66 -2.94	43.57 1.60 -2.12	35.14 1.43 -1.25	33.43 1.29 -1.09	21.10 0.55 -0.09	29.53 0.31 -0.85
ONEIDA___115KV_TB4 55905	8.37 0.04 -5.95	17.40 0.20 -6.94	21.56 0.25 -7.39	23.89 0.32 -5.17	20.04 0.35 0.00	21.67 0.41 -0.03	13.88 0.34 0.00	14.49 0.39 0.00	17.52 0.55 0.00	21.98 0.79 -0.04	32.88 1.19 -0.49	36.67 1.34 -0.72	38.11 1.34 -0.79	39.60 1.46 -0.84	40.68 1.56 -0.92	22.06 1.15 9.44	36.16 1.39 -0.70	62.48 2.53 -2.33	51.55 2.10 -1.90	42.98 1.76 -1.37	34.80 1.42 -0.91	33.15 1.31 -0.80	21.30 0.77 -0.07	29.92 0.90 -0.64
ONONDAGA_REF_OCCRA 23987	2.38 0.00 0.00	10.28 -0.03 -0.05	13.91 -0.07 -0.05	18.28 -0.09 0.03	19.57 -0.11 0.00	21.16 -0.13 -0.05	13.55 0.01 0.00	14.15 0.06 0.00	17.11 0.13 0.00	21.44 0.20 -0.09	32.56 0.32 -1.03	36.52 0.39 -1.52	38.04 0.39 -1.67	39.41 0.31 -1.79	40.59 0.43 -1.96	26.98 0.31 3.68	35.77 0.33 -1.37	62.59 0.56 -4.42	51.49 0.34 -3.59	42.71 0.26 -2.60	34.33 0.19 -1.68	32.65 0.14 -1.47	20.64 0.06 -0.12	29.52 -0.02 -1.16
ONONDAGA___COGEN 23986	2.38 0.00 0.00	10.29 -0.02 -0.06	13.93 -0.04 -0.06	18.30 -0.06 0.03	19.59 -0.09 0.00	21.21 -0.11 -0.08	13.57 0.03 0.00	14.17 0.08 0.00	17.12 0.15 0.00	21.48 0.20 -0.13	33.07 0.33 -1.53	37.23 0.38 -2.24	38.81 0.35 -2.47	40.23 0.28 -2.64	41.49 0.39 -2.90	27.66 0.29 2.98	36.41 0.32 -2.01	64.65 0.54 -6.49	53.17 0.33 -5.28	43.95 0.28 -3.82	35.14 0.21 -2.46	33.33 0.13 -2.16	20.70 0.06 -0.18	30.04 0.00 -1.67
ONTARIO___LFGE 23819	2.38 0.00 0.00	10.27 -0.07 -0.08	13.87 -0.13 -0.08	18.25 -0.15 0.00	19.59 -0.10 0.00	21.18 -0.08 -0.03	13.59 0.05 0.00	14.29 0.20 0.00	17.35 0.38 0.00	21.78 0.59 -0.04	32.48 0.76 -0.51	36.26 0.90 -0.76	37.44 0.64 -0.82	38.62 0.43 -0.88	39.87 0.70 -0.97	31.30 0.48 -0.47	35.35 0.59 -0.68	60.66 0.86 -2.18	49.96 0.62 -1.78	41.71 0.58 -1.29	33.77 0.47 -0.83	32.13 0.36 -0.73	20.80 0.28 -0.06	29.16 0.11 -0.67
ORANGEVILLE_WT_PWR 323706	2.23 -0.15 0.00	9.75 -0.62 -0.11	13.18 -0.84 -0.11	17.40 -1.00 0.00	18.80 -0.89 0.00	20.30 -0.93 0.00	13.01 -0.53 0.00	13.70 -0.39 0.00	16.68 -0.29 0.00	20.92 -0.23 0.00	30.84 -0.37 0.00	34.31 -0.30 0.00	35.15 -0.83 0.00	36.09 -1.21 0.00	37.88 -0.97 -0.65	29.64 -0.71 0.00	33.38 -0.70 0.00	56.33 -1.29 0.00	46.06 -1.50 0.00	38.82 -1.03 0.00	31.71 -0.75 0.00	30.29 -0.76 0.00	19.98 -0.48 0.00	27.73 -0.83 -0.19
ORANGEVILLE___ESR 323794	2.23 -0.15 0.00	9.75 -0.62 -0.11	13.18 -0.84 -0.11	17.40 -1.00 0.00	18.80 -0.89 0.00	20.30 -0.93 0.00	13.01 -0.53 0.00	13.70 -0.39 0.00	16.68 -0.29 0.00	20.92 -0.23 0.00	30.84 -0.37 0.00	34.31 -0.30 0.00	35.15 -0.83 0.00	36.09 -1.21 0.00	37.88 -0.97 -0.65	29.64 -0.71 0.00	33.38 -0.70 0.00	56.33 -1.29 0.00	46.06 -1.50 0.00	38.82 -1.03 0.00	31.71 -0.75 0.00	30.29 -0.76 0.00	19.98 -0.48 0.00	27.73 -0.83 -0.19
OSWEGATCHIE___HYD 24044	-21.61 -0.25 23.73	-18.09 -0.69 27.66	-16.53 -0.99 29.46	-4.69 -1.32 21.77	18.46 -1.23 0.00	20.03 -1.23 -0.03	12.82 -0.72 0.00	13.54 -0.55 0.00	16.34 -0.64 0.00	20.43 -0.77 -0.05	30.58 -1.18 -0.55	34.16 -1.27 -0.82	28.27 -1.32 6.39	24.19 -1.23 11.89	37.76 -1.49 -1.06	-93.09 -1.65 121.78	33.26 -1.67 -0.86	58.22 -2.34 -2.94	48.46 -1.49 -2.39	40.63 -0.94 -1.73	32.92 -0.62 -1.07	31.32 -0.66 -0.94	19.86 -0.68 -0.08	27.75 -1.34 -0.71
OSWEGO___5 23606	2.33 -0.05 0.00	10.08 -0.22 -0.04	13.65 -0.31 -0.04	17.98 -0.42 0.00	19.22 -0.47 0.00	21.05 -0.52 -0.34	13.28 -0.26 0.00	13.86 -0.24 0.00	16.72 -0.25 0.00	21.38 -0.31 -0.55	37.10 -0.45 -6.34	43.44 -0.48 -9.31	45.74 -0.55 -10.31	47.69 -0.64 -11.02	49.68 -0.61 -12.09	35.73 -0.50 -5.89	41.84 -0.57 -8.33	83.44 -0.96 -26.78	68.50 -0.85 -21.79	54.91 -0.70 -15.75	42.06 -0.56 -10.16	39.37 -0.57 -8.90	20.82 -0.38 -0.74	34.30 -0.61 -6.53
OSWEGO___6 23613	2.33 -0.05 0.00	10.08 -0.22 -0.04	13.65 -0.31 -0.04	17.98 -0.42 0.00	19.22 -0.47 0.00	21.05 -0.52 -0.34	13.28 -0.26 0.00	13.86 -0.24 0.00	16.72 -0.25 0.00	21.38 -0.31 -0.55	37.10 -0.45 -6.34	43.44 -0.48 -9.31	45.74 -0.55 -10.31	47.69 -0.64 -11.02	49.68 -0.61 -12.09	35.73 -0.50 -5.89	41.84 -0.57 -8.33	83.44 -0.96 -26.78	68.50 -0.85 -21.79	54.91 -0.70 -15.75	42.06 -0.56 -10.16	39.37 -0.57 -8.90	20.82 -0.38 -0.74	34.30 -0.61 -6.53

OUTOKUMPU-AB___DRP 24206	2.24 -0.13 0.00	9.71 -0.64 -0.09	13.11 -0.90 -0.09	17.27 -1.12 0.00	18.59 -1.10 0.00	20.01 -1.22 0.00	12.79 -0.75 0.00	13.49 -0.60 0.00	16.41 -0.56 0.00	20.58 -0.58 0.00	30.20 -1.01 0.00	33.46 -1.15 0.00	34.09 -1.89 0.00	34.86 -2.44 0.00	36.35 -2.34 -0.50	28.73 -1.62 -0.01	32.44 -1.65 -0.01	54.79 -2.84 -0.01	44.87 -2.70 -0.02	37.98 -1.87 0.00	31.06 -1.41 0.00	29.75 -1.29 0.00	19.60 -0.87 0.00	27.17 -1.37 -0.16
OXBOW___BTM 323836	2.21 -0.17 0.00	9.58 -0.77 -0.09	12.93 -1.08 -0.09	17.02 -1.38 0.00	18.31 -1.38 0.00	19.70 -1.54 0.00	12.58 -0.96 0.00	13.27 -0.83 0.00	16.13 -0.84 0.00	20.21 -0.94 0.00	29.68 -1.53 0.00	32.89 -1.72 0.00	33.51 -2.47 0.00	34.20 -3.11 0.00	35.46 -3.01 -0.28	28.26 -2.09 0.00	31.88 -2.20 0.00	53.75 -3.87 0.00	43.98 -3.59 0.00	37.27 -2.59 0.00	30.55 -1.92 0.00	29.27 -1.77 0.00	19.28 -1.18 0.00	26.74 -1.80 -0.16
OXBOW___ 24026	2.22 -0.16 0.00	9.58 -0.77 -0.09	12.92 -1.09 -0.09	17.01 -1.39 0.00	18.30 -1.39 0.00	19.69 -1.55 0.00	12.58 -0.96 0.00	13.26 -0.83 0.00	16.13 -0.85 0.00	20.21 -0.94 0.00	29.67 -1.54 0.00	32.88 -1.74 0.00	33.49 -2.49 0.00	34.17 -3.13 0.00	35.42 -3.06 -0.28	28.18 -2.17 0.00	31.82 -2.25 0.00	53.74 -3.89 0.00	43.98 -3.58 0.00	37.26 -2.59 0.00	30.53 -1.93 0.00	29.26 -1.78 0.00	19.26 -1.20 0.00	26.74 -1.80 -0.16
OXY_CHEM_DSASP 323612	2.19 -0.18 0.00	9.47 -0.88 -0.09	12.77 -1.24 -0.09	16.80 -1.60 0.00	18.05 -1.63 0.00	19.43 -1.81 0.00	12.40 -1.14 0.00	13.06 -1.04 0.00	15.87 -1.10 0.00	19.88 -1.27 0.00	29.18 -2.03 0.00	32.33 -2.28 0.00	32.96 -3.03 0.00	33.67 -3.63 0.00	34.27 -3.57 0.36	27.79 -2.56 0.00	31.36 -2.72 0.00	52.93 -4.69 0.00	43.31 -4.25 0.00	36.70 -3.15 0.00	30.05 -2.41 0.00	28.77 -2.27 0.00	18.94 -1.52 0.00	26.31 -2.22 -0.16
OZONE_PARK_ESR 323760	31.85 0.31 -29.16	38.72 1.11 -27.35	15.97 1.41 -0.64	20.17 1.78 0.00	21.51 1.82 0.00	23.29 2.05 0.00	14.88 1.35 0.00	15.61 1.52 0.00	18.79 1.81 0.00	23.46 2.31 0.00	34.87 3.66 0.00	38.67 4.06 0.00	40.26 4.28 0.00	41.86 4.55 0.00	44.47 4.61 -1.67	55.31 3.38 -21.59	58.75 3.67 -21.00	72.72 5.96 -9.14	74.17 4.88 -21.73	50.08 3.91 -6.33	43.66 3.10 -8.09	40.14 2.99 -6.11	36.57 2.00 -14.11	35.04 2.92 -3.75
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	2.19 -0.18 0.00	9.47 -0.88 -0.09	12.77 -1.24 -0.09	16.80 -1.60 0.00	18.05 -1.63 0.00	19.43 -1.81 0.00	12.40 -1.14 0.00	13.06 -1.04 0.00	15.87 -1.10 0.00	19.88 -1.27 0.00	29.18 -2.03 0.00	32.33 -2.28 0.00	32.96 -3.03 0.00	33.67 -3.63 0.00	34.27 -3.57 0.36	27.79 -2.56 0.00	31.36 -2.72 0.00	52.93 -4.69 0.00	43.31 -4.25 0.00	36.70 -3.15 0.00	30.05 -2.41 0.00	28.77 -2.27 0.00	18.94 -1.52 0.00	26.31 -2.22 -0.16
PACKARD___115KV_DUPONT_184 80571	2.19 -0.18 0.00	9.47 -0.88 -0.09	12.77 -1.24 -0.09	16.80 -1.60 0.00	18.05 -1.63 0.00	19.43 -1.81 0.00	12.40 -1.14 0.00	13.06 -1.04 0.00	15.87 -1.10 0.00	19.88 -1.27 0.00	29.18 -2.03 0.00	32.33 -2.28 0.00	32.96 -3.03 0.00	33.67 -3.63 0.00	34.27 -3.57 0.36	27.79 -2.56 0.00	31.36 -2.72 0.00	52.93 -4.69 0.00	43.31 -4.25 0.00	36.70 -3.15 0.00	30.05 -2.41 0.00	28.77 -2.27 0.00	18.94 -1.52 0.00	26.31 -2.22 -0.16
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	31.84 0.31 -29.15	38.61 1.00 -27.35	15.81 1.26 -0.64	19.97 1.57 0.00	21.25 1.57 0.00	23.07 1.84 0.00	14.73 1.19 0.00	15.44 1.34 0.00	18.51 1.54 0.00	23.09 1.94 0.00	34.38 3.17 0.00	38.00 3.39 0.00	39.59 3.61 0.00	41.17 3.88 0.01	43.77 3.91 -1.66	54.73 2.79 -21.59	58.10 3.01 -21.01	71.62 4.86 -9.15	73.31 4.02 -21.73	49.37 3.19 -6.33	43.05 2.50 -8.09	39.57 2.42 -6.10	36.21 1.64 -14.10	34.59 2.47 -3.75
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	31.88 0.35 -29.15	38.77 1.16 -27.35	16.03 1.47 -0.64	20.25 1.86 0.00	21.55 1.86 0.00	23.40 2.16 0.00	14.94 1.40 0.00	15.65 1.56 0.00	18.72 1.75 0.00	23.42 2.27 0.00	34.83 3.62 0.00	38.51 3.90 0.00	40.09 4.11 0.00	41.70 4.40 0.01	44.31 4.46 -1.66	55.16 3.22 -21.59	58.64 3.55 -21.01	72.47 5.70 -9.15	74.02 4.73 -21.73	49.99 3.80 -6.33	43.53 2.98 -8.09	40.04 2.89 -6.10	36.48 1.92 -14.10	35.00 2.88 -3.75
PATROON___115KV_TB1 80586	7.26 0.12 -4.77	15.92 0.46 -5.20	15.34 0.60 -0.83	19.17 0.77 0.00	20.48 0.80 0.00	22.06 0.83 0.00	14.13 0.59 0.00	14.71 0.62 0.00	17.68 0.71 0.00	22.00 0.84 0.00	32.59 1.38 0.00	36.00 1.39 0.00	37.58 1.60 0.00	38.97 1.66 0.00	40.07 1.52 -0.35	33.77 1.19 -2.23	39.55 1.14 -4.33	61.72 1.88 -2.22	52.19 1.48 -3.16	41.03 1.18 0.00	33.52 1.06 0.00	32.18 1.13 0.00	21.68 0.86 -0.35	31.04 1.22 -1.46
PATTRSNVILLE___SOLAR 323815	6.56 0.14 -4.05	15.37 0.51 -4.59	15.49 0.69 -0.88	19.30 0.90 0.00	20.65 0.96 0.00	22.28 1.04 0.00	14.26 0.72 0.00	14.81 0.71 0.00	17.74 0.77 0.00	21.99 0.84 0.00	32.37 1.17 0.00	36.05 1.44 0.00	37.92 1.94 0.00	38.86 1.56 0.00	40.00 1.51 -0.30	33.62 1.40 -1.87	39.21 1.50 -3.64	62.49 3.01 -1.86	52.78 2.57 -2.65	41.98 2.13 0.00	34.19 1.73 0.00	32.73 1.68 0.00	21.87 1.11 -0.30	31.40 1.49 -1.54
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	2.27 -0.11 0.00	9.85 -0.51 -0.10	13.35 -0.68 -0.10	17.59 -0.80 0.00	18.94 -0.75 0.00	20.40 -0.83 0.00	13.04 -0.50 0.00	13.75 -0.34 0.00	16.76 -0.21 0.00	21.02 -0.13 0.00	30.95 -0.26 0.00	34.36 -0.25 0.00	35.11 -0.87 0.00	35.99 -1.31 0.00	37.90 -1.08 -0.79	29.59 -0.76 0.00	33.37 -0.71 0.00	56.45 -1.17 0.00	46.13 -1.43 0.00	39.02 -0.83 0.00	31.78 -0.69 0.00	30.31 -0.74 0.00	19.96 -0.50 0.00	27.73 -0.82 -0.18
PAWLING_115_KV_BK3_REV_LBMP_H 345028	12.18 0.26 -9.55	20.58 0.92 -9.40	15.75 1.19 -0.65	19.90 1.50 0.00	21.21 1.52 0.00	22.96 1.73 0.00	14.68 1.14 0.00	15.38 1.29 0.00	18.53 1.56 0.00	23.17 2.02 0.00	34.43 3.22 0.00	38.22 3.61 0.00	39.91 3.93 0.00	41.55 4.24 0.00	43.79 4.39 -1.21	45.83 3.28 -12.20	50.49 3.55 -12.86	68.78 5.68 -5.48	59.96 4.61 -7.80	43.52 3.67 0.00	35.39 2.93 0.00	33.87 2.82 0.00	22.89 1.88 -0.54	32.16 2.65 -1.14
PEEKSKILL___ 23653	36.82 0.23 -34.21	43.04 0.81 -31.97	15.59 1.04 -0.63	19.70 1.30 0.00	21.00 1.32 0.00	22.74 1.50 0.00	14.52 0.99 0.00	15.21 1.12 0.00	18.31 1.34 0.00	22.86 1.70 0.00	33.96 2.75 0.00	37.68 3.07 0.00	39.30 3.32 0.00	40.85 3.54 0.00	43.60 3.58 -1.82	135.00 2.59 -102.06	73.63 2.81 -36.74	72.25 4.50 -10.13	142.82 3.64 -91.62	98.75 2.87 -56.03	106.40 2.26 -71.67	87.37 2.21 -54.12	133.72 1.50 -111.75	54.84 2.21 -24.25
PGE MADISON___WINDPWR 24146	2.54 0.17 0.00	11.18 0.73 -0.19	15.10 1.00 -0.19	19.65 1.25 0.00	20.83 1.14 0.00	22.58 1.32 -0.03	14.54 1.00 0.00	15.19 1.10 0.00	18.52 1.55 0.00	23.37 2.16 -0.05	35.13 3.32 -0.60	39.22 3.65 -0.96	40.29 3.34 -0.96	41.85 3.51 -1.03	43.35 3.96 -1.20	34.22 3.32 -0.55	38.67 3.81 -0.78	66.91 6.77 -2.53	55.36 5.74 -2.06	46.05 4.71 -1.49	37.13 3.71 -0.96	35.27 3.38 -0.84	22.59 2.06 -0.07	31.91 2.59 -0.94

PIERCEFIELD___HYD 23852	-10.08 -0.22 12.24	-4.83 -0.72 14.38	-2.36 -0.96 15.31	5.11 -1.25 12.04	18.46 -1.23 0.00	19.98 -1.27 -0.01	12.67 -0.87 0.00	13.25 -0.85 0.00	15.90 -1.08 0.00	19.81 -1.37 -0.02	29.32 -2.18 -0.28	32.62 -2.40 -0.42	23.13 -2.62 10.23	16.38 -2.58 18.34	36.00 -2.73 -0.54	-147.58 -2.19 175.74	32.32 -2.20 -0.44	55.41 -3.71 -1.50	46.27 -2.51 -1.22	38.88 -1.85 -0.88	31.53 -1.48 -0.55	30.05 -1.47 -0.48	19.42 -1.08 -0.04	27.10 -1.62 -0.35
PINELAWN_CC_1 323563	50.56 0.30 -47.89	68.71 1.03 -57.42	47.94 1.33 -32.69	48.99 1.67 -28.92	64.27 1.70 -42.88	32.12 1.91 -8.98	48.55 1.27 -33.75	49.26 1.43 -33.74	40.25 1.70 -21.57	40.15 2.07 -16.92	51.39 3.28 -16.90	55.14 3.69 -16.84	44.23 3.81 -4.44	94.22 4.16 -52.75	99.04 4.23 -56.61	120.25 3.09 -86.81	159.94 3.35 -122.52	269.76 5.34 -206.79	108.65 4.44 -56.65	50.32 3.48 -6.98	45.67 2.81 -10.40	52.70 2.87 -18.79	40.27 1.90 -17.92	41.46 3.13 -9.96
PJM_GEN_HTP_PROXY 323702	28.44 0.26 -25.80	38.54 0.92 -27.36	15.74 1.18 -0.64	19.88 1.49 0.00	21.18 1.49 0.00	22.94 1.71 0.00	14.65 1.11 0.00	15.36 1.27 0.00	18.49 1.52 0.00	23.09 1.94 0.00	34.34 3.13 0.00	38.08 3.47 0.00	39.66 3.68 0.00	41.22 3.91 0.00	43.80 3.94 -1.67	54.76 2.82 -21.59	58.13 3.05 -21.01	71.63 4.87 -9.14	73.31 4.02 -21.73	49.34 3.16 -6.33	41.98 2.49 -7.03	40.42 2.41 -6.98	36.22 1.64 -14.12	34.55 2.43 -3.75
PJM_GEN_KEystone 24065	-47.16 0.07 49.60	-31.56 0.13 41.95	14.48 0.17 -0.39	18.62 0.23 0.00	19.92 0.24 0.00	21.51 0.28 0.00	13.75 0.21 0.00	14.42 0.33 0.00	17.45 0.47 0.00	21.83 0.68 0.00	32.28 1.07 0.00	35.87 1.26 0.00	37.17 1.18 0.00	38.45 1.14 0.00	40.75 1.34 -1.22	31.58 0.89 -0.34	47.02 0.99 -11.96	67.81 1.52 -8.68	46.14 0.94 2.35	36.26 0.68 4.28	26.43 0.50 6.53	28.25 0.47 3.27	10.64 0.37 10.19	27.88 0.58 1.08
PJM_GEN_NEPTUNE_PROXY 323594	38.63 0.28 -35.97	54.84 0.98 -43.60	33.02 1.26 -17.84	48.16 1.60 -28.16	44.32 1.62 -23.01	27.88 1.83 -4.82	39.99 1.20 -25.25	39.69 1.35 -24.24	31.79 1.61 -13.20	34.69 2.02 -11.52	43.47 3.22 -9.04	47.23 3.57 -9.04	42.24 3.77 -2.49	69.72 4.07 -28.35	73.55 4.15 -31.20	100.85 3.03 -67.48	93.83 3.26 -56.50	161.22 5.17 -98.43	92.88 4.25 -41.07	49.61 3.32 -6.44	43.70 2.62 -8.62	50.33 2.59 -16.70	39.22 1.70 -17.05	38.28 2.60 -7.31
PJM_GEN_VFT_PROXY 323633	28.44 0.27 -25.79	38.53 0.91 -27.35	15.70 1.15 -0.64	19.83 1.43 0.00	21.14 1.45 0.00	22.89 1.66 0.00	14.62 1.08 0.00	15.33 1.24 0.00	18.45 1.48 0.00	23.05 1.90 0.00	34.23 3.02 0.00	37.94 3.32 0.00	39.56 3.57 0.00	41.11 3.81 0.00	43.67 3.80 -1.67	48.58 2.64 -15.59	57.93 2.85 -21.00	71.33 4.57 -9.14	73.03 3.74 -21.73	49.12 2.94 -6.33	41.76 2.33 -6.97	40.30 2.28 -6.97	36.14 1.57 -14.11	34.48 2.36 -3.75
PLATSBURG_115KV_PMLD1 355749	-1.28 -0.16 3.50	5.73 -0.46 4.07	9.08 -0.51 4.33	14.80 -0.52 3.08	19.31 -0.38 0.00	20.94 -0.30 0.00	13.25 -0.28 0.00	13.78 -0.31 0.00	16.46 -0.51 0.00	20.41 -0.74 0.00	29.48 -1.73 0.00	32.80 -1.82 0.00	20.65 -2.01 13.32	11.75 -2.08 23.48	35.98 -2.22 0.00	28.70 -1.65 0.00	32.43 -1.64 0.00	55.91 -1.71 0.00	46.21 -1.35 0.00	38.60 -1.26 0.00	31.41 -1.05 0.00	30.27 -0.78 0.00	20.24 -0.23 0.00	28.08 -0.29 0.00
PLEASANTVLY___LBMP 24000	14.98 0.21 -12.39	23.01 0.72 -12.03	15.53 0.93 -0.68	19.58 1.19 0.00	20.89 1.21 0.00	22.61 1.37 0.00	14.45 0.91 0.00	15.11 1.02 0.00	18.18 1.21 0.00	22.68 1.52 0.00	33.66 2.45 0.00	37.31 2.70 0.00	38.91 2.93 0.00	40.43 3.12 0.00	42.55 3.15 -1.21	46.08 2.29 -13.44	50.83 2.46 -14.29	67.65 3.92 -6.11	63.52 3.18 -12.77	45.34 2.53 -2.96	38.28 2.03 -3.78	35.92 2.02 -2.86	28.78 1.40 -6.91	32.83 2.04 -2.41
PLSNTVLE_13_KV_13.8KVDIST 80602	25.05 0.25 -22.42	32.31 0.86 -21.19	15.67 1.10 -0.65	19.79 1.39 0.00	21.10 1.41 0.00	22.84 1.60 0.00	14.59 1.05 0.00	15.28 1.19 0.00	18.39 1.42 0.00	22.96 1.81 0.00	34.10 2.89 0.00	37.82 3.21 0.00	39.45 3.47 0.00	41.02 3.71 0.00	43.49 3.77 -1.53	51.59 2.74 -18.50	55.97 2.97 -18.93	70.62 4.73 -8.27	69.96 3.84 -18.56	47.81 3.03 -4.92	41.18 2.42 -6.30	38.15 2.35 -4.76	33.26 1.60 -11.20	33.88 2.33 -3.18
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	25.05 0.25 -22.42	32.31 0.86 -21.19	15.67 1.10 -0.65	19.79 1.39 0.00	21.10 1.41 0.00	22.84 1.60 0.00	14.59 1.05 0.00	15.28 1.19 0.00	18.39 1.42 0.00	22.96 1.81 0.00	34.10 2.89 0.00	37.82 3.21 0.00	39.45 3.47 0.00	41.02 3.71 0.00	43.49 3.77 -1.53	51.59 2.74 -18.50	55.97 2.97 -18.93	70.62 4.73 -8.27	69.96 3.84 -18.56	47.81 3.03 -4.92	41.18 2.42 -6.30	38.15 2.35 -4.76	33.26 1.60 -11.20	33.88 2.33 -3.18
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	8.02 0.23 -5.42	16.70 0.82 -5.62	15.63 1.06 -0.66	19.73 1.34 0.00	21.04 1.36 0.00	22.78 1.55 0.00	14.57 1.03 0.00	15.25 1.15 0.00	18.37 1.40 0.00	22.94 1.79 0.00	34.07 2.87 0.00	37.80 3.19 0.00	39.45 3.47 0.00	41.04 3.73 0.00	43.09 3.88 -1.02	40.66 2.90 -7.41	48.40 3.12 -11.21	68.02 5.13 -5.27	59.27 4.20 -7.51	43.20 3.34 0.00	35.13 2.67 0.00	33.64 2.59 0.00	22.77 1.75 -0.56	32.00 2.47 -1.16
POLETTI____ 23519	31.81 0.27 -29.16	38.54 0.93 -27.35	15.74 1.18 -0.64	19.88 1.49 0.00	21.18 1.50 0.00	22.94 1.71 0.00	14.65 1.11 0.00	15.36 1.27 0.00	18.48 1.51 0.00	23.08 1.93 0.00	34.32 3.11 0.00	38.04 3.43 0.00	39.61 3.63 0.00	41.17 3.86 0.00	43.75 3.89 -1.67	54.71 2.78 -21.59	58.09 3.01 -21.00	71.57 4.81 -9.14	73.23 3.94 -21.73	49.29 3.11 -6.33	43.01 2.45 -8.09	39.53 2.38 -6.11	36.20 1.62 -14.11	34.55 2.43 -3.75
POMONA___ESR 323819	-40.75 0.23 43.36	-28.04 0.79 39.09	15.55 1.02 -0.61	19.67 1.27 0.00	20.97 1.29 0.00	22.69 1.46 0.00	14.49 0.95 0.00	15.17 1.07 0.00	18.26 1.29 0.00	22.82 1.67 0.00	33.89 2.68 0.00	37.64 3.03 0.00	39.32 3.34 0.00	40.88 3.58 0.00	44.34 3.62 -2.53	34.84 2.59 -1.90	64.10 2.81 -27.22	76.67 4.47 -14.58	59.02 3.60 -7.87	33.30 2.81 9.36	22.71 2.22 11.97	24.17 2.17 9.04	1.50 1.47 20.42	27.76 2.16 2.77
PORT_JEFF_3 23555	50.60 0.33 -47.89	68.82 1.14 -57.42	48.06 1.45 -32.69	49.14 1.83 -28.92	64.45 1.88 -42.88	32.34 2.13 -8.98	48.70 1.42 -33.75	74.43 1.62 -58.71	40.46 1.91 -21.57	57.54 2.37 -34.01	52.94 3.80 -17.93	55.55 4.10 -16.84	44.61 4.19 -4.44	94.58 4.53 -52.75	99.41 4.59 -56.63	219.12 3.30 -185.48	242.62 3.49 -205.04	299.89 5.45 -236.82	277.27 4.57 -225.15	85.56 3.67 -42.04	51.74 3.04 -16.23	52.88 3.03 -18.79	40.34 1.96 -17.92	41.54 3.20 -9.96
PORT_JEFF_4 23616	50.60 0.33 -47.89	68.82 1.14 -57.42	48.06 1.45 -32.69	49.14 1.83 -28.92	64.45 1.88 -42.88	32.34 2.13 -8.98	48.70 1.42 -33.75	74.43 1.62 -58.71	40.46 1.91 -21.57	57.54 2.37 -34.01	52.94 3.80 -17.93	55.55 4.10 -16.84	44.61 4.19 -4.44	94.58 4.53 -52.75	99.41 4.59 -56.63	219.12 3.30 -185.48	242.62 3.49 -205.04	299.89 5.45 -236.82	277.27 4.57 -225.15	85.56 3.67 -42.04	51.74 3.04 -16.23	52.88 3.03 -18.79	40.34 1.96 -17.92	41.54 3.20 -9.96

PORT_JEFF_IC 23713	50.61 0.34 -47.89	68.85 1.17 -57.42	48.10 1.49 -32.69	49.19 1.88 -28.92	64.50 1.93 -42.88	32.39 2.18 -8.97	48.73 1.45 -33.74	75.18 1.66 -59.42	40.52 1.98 -21.57	60.41 2.45 -36.81	53.11 3.80 -18.10	55.58 4.13 -16.84	44.66 4.24 -4.44	94.65 4.60 -52.75	99.52 4.69 -56.63	237.99 3.40 -204.25	271.82 3.61 -234.13	316.35 5.62 -253.10	331.11 4.72 -278.83	97.22 3.79 -53.58	52.82 3.10 -17.26	52.91 3.07 -18.79	40.36 1.98 -17.92	41.63 3.30 -9.96
PPL PILGRIM_ST_GT1 24216	50.61 0.34 -47.89	68.88 1.20 -57.42	48.15 1.54 -32.69	49.25 1.94 -28.92	64.55 1.98 -42.88	32.44 2.23 -8.98	48.76 1.48 -33.75	53.71 1.66 -37.95	40.54 2.00 -21.57	43.13 2.49 -19.49	52.24 3.98 -17.05	55.91 4.46 -16.84	45.03 4.61 -4.44	94.92 4.87 -52.75	99.50 4.69 -56.62	132.79 3.38 -99.06	156.14 3.66 -118.40	263.48 5.89 -199.97	130.52 4.92 -78.05	55.14 3.90 -11.38	46.91 3.26 -11.19	53.11 3.28 -18.79	40.48 2.10 -17.92	41.62 3.28 -9.96
PPL PILGRIM_ST_GT2 24217	50.61 0.34 -47.89	68.88 1.20 -57.42	48.15 1.54 -32.69	49.25 1.94 -28.92	64.55 1.98 -42.88	32.44 2.23 -8.98	48.76 1.48 -33.75	53.71 1.66 -37.95	40.54 2.00 -21.57	43.13 2.49 -19.49	52.24 3.98 -17.05	55.91 4.46 -16.84	45.03 4.61 -4.44	94.92 4.87 -52.75	99.50 4.69 -56.62	132.79 3.38 -99.06	156.14 3.66 -118.40	263.48 5.89 -199.97	130.52 4.92 -78.05	55.14 3.90 -11.38	46.91 3.26 -11.19	53.11 3.28 -18.79	40.48 2.10 -17.92	41.62 3.28 -9.96
PPL_SHRM_GT3 24213	50.60 0.33 -47.89	68.81 1.13 -57.42	48.04 1.43 -32.69	49.13 1.81 -28.92	64.47 1.90 -42.88	32.37 2.16 -8.98	48.73 1.44 -33.75	74.27 1.70 -58.48	40.52 1.97 -21.57	58.03 2.48 -34.40	53.14 3.97 -17.96	55.78 4.33 -16.84	44.90 4.48 -4.44	94.83 4.77 -52.75	99.69 4.87 -56.63	222.25 3.59 -188.32	248.40 3.89 -210.43	304.10 6.41 -240.07	288.28 5.54 -235.18	88.14 4.13 -44.16	52.20 3.36 -16.38	53.13 3.29 -18.79	40.47 2.09 -17.92	41.60 3.26 -9.96
PPL_SHRM_GT4 24214	50.60 0.33 -47.89	68.81 1.13 -57.42	48.04 1.43 -32.69	49.13 1.81 -28.92	64.47 1.90 -42.88	32.37 2.16 -8.98	48.73 1.44 -33.75	74.27 1.70 -58.48	40.52 1.97 -21.57	58.03 2.48 -34.40	53.14 3.97 -17.96	55.78 4.33 -16.84	44.90 4.48 -4.44	94.83 4.77 -52.75	99.69 4.87 -56.63	222.25 3.59 -188.32	248.40 3.89 -210.43	304.10 6.41 -240.07	288.28 5.54 -235.18	88.14 4.13 -44.16	52.20 3.36 -16.38	53.13 3.29 -18.79	40.47 2.09 -17.92	41.60 3.26 -9.96
PROJECT___ORANGE 1 24174	2.37 -0.01 0.00	10.23 -0.08 -0.05	13.85 -0.12 -0.05	18.20 -0.16 0.03	19.49 -0.19 0.00	21.06 -0.21 -0.04	13.49 -0.05 0.00	14.09 0.00 0.00	17.04 0.07 0.00	21.32 0.10 -0.07	32.23 0.17 -0.84	36.07 0.23 -1.23	37.54 0.20 -1.36	38.88 0.13 -1.45	40.02 0.23 -1.59	26.20 0.15 4.29	35.33 0.14 -1.12	61.49 0.26 -3.62	50.58 0.08 -2.94	42.03 0.05 -2.13	33.86 0.02 -1.38	32.23 -0.01 -1.20	20.52 -0.04 -0.10	29.19 -0.15 -0.96
PROJECT___ORANGE 2 24166	2.37 -0.01 0.00	10.23 -0.08 -0.05	13.85 -0.12 -0.05	18.20 -0.16 0.03	19.49 -0.19 0.00	21.06 -0.21 -0.04	13.49 -0.05 0.00	14.09 0.00 0.00	17.04 0.07 0.00	21.32 0.10 -0.07	32.23 0.17 -0.84	36.07 0.23 -1.23	37.54 0.20 -1.36	38.88 0.13 -1.45	40.02 0.23 -1.59	26.20 0.15 4.29	35.33 0.14 -1.12	61.49 0.26 -3.62	50.58 0.08 -2.94	42.03 0.05 -2.13	33.86 0.02 -1.38	32.23 -0.01 -1.20	20.52 -0.04 -0.10	29.19 -0.15 -0.96
PUCKETT___SOLAR 323809	2.45 0.07 0.00	10.68 0.22 -0.20	14.42 0.31 -0.20	18.76 0.37 0.00	20.01 0.33 0.00	21.64 0.37 -0.03	13.86 0.32 0.00	14.45 0.36 0.00	17.48 0.50 0.00	21.94 0.74 -0.05	32.90 1.14 -0.55	36.75 1.28 -0.86	37.96 1.10 -0.88	39.48 1.24 -0.94	40.83 1.52 -1.12	32.09 1.24 -0.50	36.16 1.37 -0.72	62.41 2.46 -2.32	51.34 1.89 -1.89	42.68 1.47 -1.37	34.51 1.17 -0.88	32.87 1.06 -0.77	21.23 0.71 -0.06	30.16 0.88 -0.91
PYRITES___HYD 24023	-8.81 -0.08 11.11	-1.24 -0.09 11.41	1.66 -0.11 12.15	8.31 -0.12 9.97	19.65 -0.04 0.00	21.28 0.04 0.00	13.50 -0.05 0.00	14.03 -0.06 0.00	16.79 -0.18 0.00	20.99 -0.16 0.00	30.71 -0.50 0.00	33.99 -0.63 0.00	23.58 -0.95 11.45	16.23 -0.90 20.17	36.95 -1.25 0.00	-174.95 -0.94 204.36	33.62 -0.72 -0.26	57.60 -1.20 -1.18	48.22 -0.29 -0.96	41.19 0.65 -0.69	33.50 0.61 -0.43	31.93 0.51 -0.37	20.66 0.17 -0.03	28.75 0.10 -0.27
QUAKERRD_115KV_BK1 80622	2.29 -0.09 0.00	9.89 -0.44 -0.07	13.36 -0.63 -0.07	17.59 -0.80 0.00	18.87 -0.82 0.00	20.34 -0.89 0.00	13.04 -0.50 0.00	13.69 -0.41 0.00	16.60 -0.38 0.00	20.75 -0.40 0.00	30.61 -0.60 0.00	33.94 -0.67 0.00	34.97 -1.02 0.00	35.98 -1.33 0.00	36.88 -1.25 0.07	29.41 -0.94 0.00	33.11 -0.97 0.00	56.04 -1.58 0.00	46.11 -1.45 0.00	38.77 -1.08 0.00	31.62 -0.84 0.00	30.18 -0.86 0.00	19.81 -0.65 0.00	27.46 -1.03 -0.12
QUENSBRY_115KV_TB8 356137	6.99 0.13 -4.47	15.82 0.61 -4.95	15.67 0.90 -0.85	19.62 1.22 0.00	21.01 1.32 0.00	22.65 1.42 0.00	14.53 1.00 0.00	15.18 1.09 0.00	18.24 1.26 0.00	22.54 1.39 0.00	33.07 1.86 0.00	36.80 2.19 0.00	38.63 2.64 0.00	40.01 2.70 0.00	41.05 2.53 -0.33	34.24 1.81 -2.08	40.12 2.01 -4.03	63.76 4.08 -2.06	54.37 3.87 -2.94	42.91 3.06 0.00	35.03 2.57 0.00	33.56 2.52 0.00	22.44 1.64 -0.33	31.96 2.09 -1.49
RAMAPO___LBMP 323565	-39.07 0.21 41.66	-26.55 0.73 37.54	15.46 0.93 -0.61	19.57 1.18 0.00	20.87 1.18 0.00	22.58 1.35 0.00	14.42 0.88 0.00	15.10 1.00 0.00	18.17 1.20 0.00	22.70 1.55 0.00	33.70 2.49 0.00	37.42 2.81 0.00	39.07 3.09 0.00	40.62 3.32 0.00	43.75 3.36 -2.19	31.78 2.41 0.98	59.72 2.63 -23.01	74.32 4.19 -12.51	55.17 3.36 -4.26	32.63 2.62 9.84	21.93 2.06 12.59	23.54 2.00 9.50	0.50 1.37 21.32	27.42 2.02 2.98
RANKINE____ 23646	2.26 -0.11 0.00	9.80 -0.56 -0.10	13.25 -0.77 -0.10	17.49 -0.91 0.00	18.83 -0.85 0.00	20.28 -0.96 0.00	12.97 -0.57 0.00	13.67 -0.42 0.00	16.66 -0.31 0.00	20.90 -0.25 0.00	30.77 -0.44 0.00	34.16 -0.45 0.00	34.89 -1.09 0.00	35.74 -1.56 0.00	37.79 -1.36 -0.96	29.39 -0.96 0.00	33.16 -0.92 0.00	56.04 -1.58 0.00	45.85 -1.70 0.00	38.75 -1.10 0.00	31.60 -0.86 0.00	30.16 -0.88 0.00	19.86 -0.60 0.00	27.58 -0.96 -0.17
RAVENSWOOD_GT2_1 24244	31.81 0.28 -29.15	38.56 0.95 -27.35	15.77 1.21 -0.64	19.92 1.52 0.00	21.23 1.54 0.00	22.99 1.76 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.50 1.53 0.00	23.10 1.95 0.00	34.36 3.15 0.00	38.06 3.45 0.00	39.62 3.64 0.00	41.19 3.88 0.00	43.76 3.90 -1.67	54.73 2.80 -21.59	58.10 3.02 -21.00	71.61 4.85 -9.14	73.25 3.97 -21.72	49.32 3.14 -6.33	43.03 2.47 -8.09	39.56 2.41 -6.11	36.22 1.65 -14.11	34.60 2.49 -3.75
RAVENSWOOD_GT2_2 24245	31.81 0.28 -29.15	38.56 0.95 -27.35	15.77 1.21 -0.64	19.92 1.52 0.00	21.23 1.54 0.00	22.99 1.76 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.50 1.53 0.00	23.10 1.95 0.00	34.36 3.15 0.00	38.06 3.45 0.00	39.62 3.64 0.00	41.19 3.88 0.00	43.76 3.90 -1.67	54.73 2.80 -21.59	58.10 3.02 -21.00	71.61 4.85 -9.14	73.25 3.97 -21.72	49.32 3.14 -6.33	43.03 2.47 -8.09	39.56 2.41 -6.11	36.22 1.65 -14.11	34.60 2.49 -3.75



RAVENSWOOD_GT2_3 24246	31.81 0.28 -29.15	38.56 0.96 -27.35	15.78 1.22 -0.64	19.93 1.54 0.00	21.24 1.55 0.00	23.00 1.77 0.00	14.69 1.15 0.00	15.40 1.30 0.00	18.51 1.54 0.00	23.12 1.96 0.00	34.38 3.17 0.00	38.08 3.47 0.00	39.65 3.67 0.00	41.21 3.91 0.00	43.79 3.93 -1.67	54.76 2.83 -21.59	58.12 3.05 -21.00	71.65 4.89 -9.14	73.30 4.02 -21.72	49.34 3.17 -6.33	43.06 2.51 -8.09	39.59 2.44 -6.11	36.24 1.67 -14.11	34.62 2.51 -3.75
RAVENSWOOD_GT2_4 24247	31.81 0.28 -29.15	38.56 0.96 -27.35	15.78 1.22 -0.64	19.93 1.54 0.00	21.24 1.55 0.00	23.00 1.77 0.00	14.69 1.15 0.00	15.40 1.30 0.00	18.51 1.54 0.00	23.12 1.96 0.00	34.38 3.17 0.00	38.08 3.47 0.00	39.65 3.67 0.00	41.21 3.91 0.00	43.79 3.93 -1.67	54.76 2.83 -21.59	58.12 3.05 -21.00	71.65 4.89 -9.14	73.30 4.02 -21.72	49.34 3.17 -6.33	43.06 2.51 -8.09	39.59 2.44 -6.11	36.24 1.67 -14.11	34.62 2.51 -3.75
RAVENSWOOD_GT3_1 24248	31.80 0.27 -29.15	38.56 0.95 -27.35	15.77 1.21 -0.64	19.92 1.52 0.00	21.23 1.54 0.00	22.99 1.76 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.50 1.53 0.00	23.10 1.95 0.00	34.36 3.15 0.00	38.06 3.45 0.00	39.62 3.64 0.00	41.19 3.88 0.00	43.76 3.90 -1.67	54.73 2.80 -21.59	58.10 3.02 -21.00	71.61 4.86 -9.14	73.25 3.97 -21.72	49.32 3.14 -6.33	43.03 2.47 -8.09	39.56 2.41 -6.11	36.22 1.65 -14.11	34.60 2.49 -3.75
RAVENSWOOD_GT3_2 24249	31.80 0.27 -29.15	38.56 0.95 -27.35	15.77 1.21 -0.64	19.92 1.52 0.00	21.23 1.54 0.00	22.99 1.76 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.50 1.53 0.00	23.10 1.95 0.00	34.36 3.15 0.00	38.06 3.45 0.00	39.62 3.64 0.00	41.19 3.88 0.00	43.76 3.90 -1.67	54.73 2.80 -21.59	58.10 3.02 -21.00	71.61 4.86 -9.14	73.25 3.97 -21.72	49.32 3.14 -6.33	43.03 2.47 -8.09	39.56 2.41 -6.11	36.22 1.65 -14.11	34.60 2.49 -3.75
RAVENSWOOD_GT3_3 24250	31.81 0.28 -29.15	38.58 0.97 -27.35	15.80 1.24 -0.64	19.96 1.56 0.00	21.27 1.58 0.00	23.04 1.80 0.00	14.71 1.17 0.00	15.42 1.32 0.00	18.55 1.58 0.00	23.16 2.01 0.00	34.44 3.23 0.00	38.15 3.54 0.00	39.72 3.74 0.00	41.29 3.98 0.00	43.87 4.01 -1.67	54.82 2.89 -21.59	58.19 3.11 -21.00	71.77 5.01 -9.14	73.40 4.11 -21.72	49.42 3.25 -6.33	43.12 2.57 -8.09	39.65 2.50 -6.11	36.28 1.70 -14.11	34.67 2.55 -3.75
RAVENSWOOD_GT3_4 24251	31.81 0.28 -29.15	38.58 0.97 -27.35	15.80 1.24 -0.64	19.96 1.56 0.00	21.27 1.58 0.00	23.04 1.80 0.00	14.71 1.17 0.00	15.42 1.32 0.00	18.55 1.58 0.00	23.16 2.01 0.00	34.44 3.23 0.00	38.15 3.54 0.00	39.72 3.74 0.00	41.29 3.98 0.00	43.87 4.01 -1.67	54.82 2.89 -21.59	58.19 3.11 -21.00	71.77 5.01 -9.14	73.40 4.11 -21.72	49.42 3.25 -6.33	43.12 2.57 -8.09	39.65 2.50 -6.11	36.28 1.70 -14.11	34.67 2.55 -3.75
RAVENSWOOD_GT_1 23729	39.20 0.29 -36.53	39.95 0.99 -28.70	15.83 1.27 -0.64	19.99 1.60 0.00	21.28 1.60 0.00	23.07 1.83 0.00	14.71 1.18 0.00	15.43 1.33 0.00	18.51 1.54 0.00	23.08 1.93 0.00	34.40 3.19 0.00	38.08 3.47 0.00	39.61 3.63 0.00	41.22 3.87 -0.04	44.41 3.88 -2.34	51.86 2.76 -18.75	58.04 2.97 -21.00	70.77 4.78 -8.37	61.37 3.97 -9.85	41.78 3.12 1.19	37.23 2.45 -2.32	35.86 2.37 -2.44	36.00 1.63 -13.91	38.96 2.48 -8.11
RAVENSWOOD_GT_10 24258	31.80 0.27 -29.15	38.56 0.95 -27.35	15.77 1.21 -0.64	19.92 1.52 0.00	21.23 1.54 0.00	22.99 1.76 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.53 0.00	23.10 1.95 0.00	34.36 3.15 0.00	38.06 3.45 0.00	39.63 3.65 0.00	41.19 3.89 0.00	43.77 3.91 -1.67	54.74 2.81 -21.59	58.11 3.03 -21.00	71.62 4.86 -9.14	73.26 3.98 -21.72	49.32 3.15 -6.33	43.03 2.48 -8.09	39.57 2.41 -6.11	36.23 1.66 -14.11	35.11 2.49 -4.25
RAVENSWOOD_GT_11 24259	31.80 0.27 -29.15	38.56 0.95 -27.35	15.77 1.21 -0.64	19.92 1.52 0.00	21.23 1.54 0.00	22.99 1.76 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.53 0.00	23.10 1.95 0.00	34.36 3.15 0.00	38.06 3.45 0.00	39.63 3.65 0.00	41.19 3.89 0.00	43.77 3.91 -1.67	54.74 2.81 -21.59	58.11 3.03 -21.00	71.62 4.86 -9.14	73.26 3.98 -21.72	49.32 3.15 -6.33	43.03 2.48 -8.09	39.57 2.41 -6.11	36.23 1.66 -14.11	35.11 2.49 -4.25
RAVENSWOOD_GT_4 24252	37.42 0.27 -34.77	39.58 0.95 -28.37	15.77 1.20 -0.64	19.92 1.52 0.00	21.22 1.54 0.00	22.99 1.75 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.54 0.00	23.12 1.97 0.00	34.37 3.16 0.00	38.08 3.46 0.00	39.64 3.66 0.00	41.24 3.90 -0.03	44.31 3.93 -2.18	52.60 2.83 -19.42	58.13 3.05 -21.00	71.08 4.91 -8.55	64.26 4.01 -12.68	43.62 3.17 -0.60	38.65 2.50 -3.70	36.80 2.44 -3.32	36.09 1.67 -13.96	37.95 2.51 -7.07
RAVENSWOOD_GT_5 24254	37.42 0.27 -34.77	39.58 0.95 -28.37	15.77 1.20 -0.64	19.92 1.52 0.00	21.22 1.54 0.00	22.99 1.75 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.54 0.00	23.12 1.97 0.00	34.37 3.16 0.00	38.08 3.46 0.00	39.64 3.66 0.00	41.24 3.90 -0.03	44.31 3.93 -2.18	52.60 2.83 -19.42	58.13 3.05 -21.00	71.08 4.91 -8.55	64.26 4.01 -12.68	43.62 3.17 -0.60	38.65 2.50 -3.70	36.80 2.44 -3.32	36.09 1.67 -13.96	37.95 2.51 -7.07
RAVENSWOOD_GT_6 24253	37.42 0.27 -34.77	39.58 0.95 -28.37	15.77 1.20 -0.64	19.92 1.52 0.00	21.22 1.54 0.00	22.99 1.75 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.54 0.00	23.12 1.97 0.00	34.37 3.16 0.00	38.08 3.46 0.00	39.64 3.66 0.00	41.24 3.90 -0.03	44.31 3.93 -2.18	52.60 2.83 -19.42	58.13 3.05 -21.00	71.08 4.91 -8.55	64.26 4.01 -12.68	43.62 3.17 -0.60	38.65 2.50 -3.70	36.80 2.44 -3.32	36.09 1.67 -13.96	37.95 2.51 -7.07
RAVENSWOOD_GT_7 24255	37.42 0.27 -34.77	39.58 0.95 -28.37	15.77 1.20 -0.64	19.92 1.52 0.00	21.22 1.54 0.00	22.99 1.75 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.54 0.00	23.12 1.97 0.00	34.37 3.16 0.00	38.08 3.46 0.00	39.64 3.66 0.00	41.24 3.90 -0.03	44.31 3.93 -2.18	52.60 2.83 -19.42	58.13 3.05 -21.00	71.08 4.91 -8.55	64.26 4.01 -12.68	43.62 3.17 -0.60	38.65 2.50 -3.70	36.80 2.44 -3.32	36.09 1.67 -13.96	37.95 2.51 -7.07
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	31.80 0.27 -29.15	38.56 0.95 -27.35	15.77 1.21 -0.64	19.92 1.52 0.00	21.23 1.54 0.00	22.99 1.76 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.53 0.00	23.10 1.95 0.00	34.36 3.15 0.00	38.06 3.45 0.00	39.63 3.65 0.00	41.19 3.89 0.00	43.77 3.91 -1.67	54.74 2.81 -21.59	58.11 3.03 -21.00	71.62 4.86 -9.14	73.26 3.98 -21.72	49.32 3.15 -6.33	43.03 2.48 -8.09	39.57 2.41 -6.11	36.23 1.66 -14.11	35.11 2.49 -4.25
RAVENSWOOD_GT_9 24257	31.80 0.27 -29.15	38.56 0.95 -27.35	15.77 1.21 -0.64	19.92 1.52 0.00	21.23 1.54 0.00	22.99 1.76 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.53 0.00	23.10 1.95 0.00	34.36 3.15 0.00	38.06 3.45 0.00	39.63 3.65 0.00	41.19 3.89 0.00	43.77 3.91 -1.67	54.74 2.81 -21.59	58.11 3.03 -21.00	71.62 4.86 -9.14	73.26 3.98 -21.72	49.32 3.15 -6.33	43.03 2.48 -8.09	39.57 2.41 -6.11	36.23 1.66 -14.11	35.11 2.49 -4.25

RAVENSWOOD___1 23533	31.82 0.29 -29.15	38.59 0.99 -27.35	15.82 1.26 -0.64	19.98 1.58 0.00	21.26 1.58 0.00	23.05 1.82 0.00	14.70 1.17 0.00	15.42 1.32 0.00	18.49 1.52 0.00	23.07 1.92 0.00	34.37 3.16 0.00	38.05 3.44 0.00	39.59 3.61 0.00	41.14 3.84 0.01	42.34 3.85 -0.29	47.80 2.73 -14.72	58.01 2.93 -21.00	69.65 4.75 -7.28	44.56 3.93 6.92	31.33 3.10 11.62	28.12 2.43 6.77	30.37 2.36 3.03	35.71 1.61 -13.63	30.27 2.45 0.55
RAVENSWOOD___2 23534	31.82 0.29 -29.15	38.57 0.96 -27.35	15.79 1.23 -0.64	19.93 1.54 0.00	21.17 1.49 0.00	22.95 1.72 0.00	14.64 1.10 0.00	15.35 1.25 0.00	18.38 1.41 0.00	22.91 1.76 0.00	34.21 3.01 0.00	37.87 3.26 0.00	39.34 3.35 0.00	40.81 3.51 0.01	41.98 3.52 -0.27	47.43 2.48 -14.61	57.71 2.64 -21.00	69.12 4.25 -7.25	43.71 3.53 7.37	30.76 2.82 11.91	27.75 2.29 7.01	30.07 2.20 3.18	35.57 1.47 -13.63	34.35 2.23 -3.75
RAVENSWOOD___3 23535	31.80 0.27 -29.15	38.56 0.95 -27.35	15.77 1.21 -0.64	19.92 1.52 0.00	21.23 1.54 0.00	22.99 1.76 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.50 1.53 0.00	23.10 1.95 0.00	34.36 3.16 0.00	38.06 3.45 0.00	39.62 3.64 0.00	41.19 3.88 0.00	43.76 3.90 -1.67	54.73 2.80 -21.59	58.09 3.02 -21.00	71.61 4.86 -9.14	73.26 3.98 -21.72	49.32 3.14 -6.33	43.03 2.48 -8.09	39.57 2.41 -6.11	36.22 1.65 -14.11	34.60 2.48 -3.75
RAVENSWOOD___4 23820	24.56 0.29 -21.88	37.25 0.98 -26.02	15.81 1.25 -0.64	19.96 1.57 0.00	21.25 1.56 0.00	23.03 1.80 0.00	14.69 1.16 0.00	15.40 1.31 0.00	18.48 1.51 0.00	23.05 1.90 0.00	34.35 3.14 0.00	38.03 3.41 0.00	39.55 3.57 0.00	41.06 3.81 0.05	40.27 3.82 1.74	43.69 2.71 -10.63	57.99 2.91 -21.00	68.51 4.71 -6.18	27.53 3.90 23.92	20.73 3.08 22.20	18.91 2.42 15.97	24.80 2.34 8.59	35.42 1.61 -13.35	30.25 2.43 0.55
RCPL_TRUST___DRP 24196	31.82 0.27 -29.17	38.56 0.94 -27.36	15.76 1.20 -0.64	19.90 1.51 0.00	21.20 1.52 0.00	22.97 1.73 0.00	14.67 1.14 0.00	15.39 1.29 0.00	18.52 1.54 0.00	23.13 1.98 0.00	34.40 3.19 0.00	38.16 3.55 0.00	39.73 3.75 0.00	41.29 3.98 0.00	43.88 4.01 -1.67	54.83 2.89 -21.59	58.20 3.11 -21.01	71.74 4.98 -9.14	73.40 4.11 -21.73	49.41 3.23 -6.33	43.10 2.54 -8.10	39.60 2.45 -6.11	36.24 1.66 -14.12	34.60 2.48 -3.75
RED___ROCHESTER 323720	2.33 -0.05 0.00	10.12 -0.21 -0.07	13.67 -0.32 -0.07	18.01 -0.39 0.00	19.32 -0.36 0.00	20.83 -0.40 0.00	13.35 -0.19 0.00	14.03 -0.06 0.00	17.04 0.06 0.00	21.32 0.17 0.00	31.45 0.24 0.00	34.88 0.27 0.00	35.86 -0.12 0.00	36.86 -0.44 0.00	37.81 -0.31 0.08	30.21 -0.15 0.00	33.99 -0.09 0.00	57.54 -0.09 0.00	47.31 -0.25 0.00	39.83 -0.01 0.00	32.50 0.03 0.00	31.01 -0.03 0.00	20.34 -0.12 0.00	28.16 -0.34 -0.13
REGAN___SOLAR 323812	2.68 0.30 0.00	12.40 1.20 -0.94	16.44 1.59 -0.94	20.47 2.07 0.00	21.93 2.25 0.00	23.71 2.47 0.00	15.19 1.65 0.00	15.54 1.44 0.00	18.19 1.22 0.00	22.31 1.16 0.00	32.84 1.63 0.00	37.55 2.94 0.00	39.55 3.57 0.00	39.39 2.08 0.00	41.48 3.28 0.00	32.69 2.35 0.00	36.75 2.68 0.00	66.17 8.55 0.00	55.42 7.87 0.00	46.36 6.50 0.00	37.59 5.13 0.00	35.83 4.79 0.00	23.64 2.93 -0.25	33.78 3.77 -1.64
RENSSELAER___COGEN 23796	7.30 0.10 -4.83	15.89 0.39 -5.25	15.24 0.50 -0.82	19.05 0.65 0.00	20.35 0.67 0.00	21.92 0.69 0.00	14.04 0.50 0.00	14.61 0.52 0.00	17.54 0.57 0.00	21.80 0.64 0.00	32.25 1.04 0.00	35.58 0.97 0.00	37.12 1.14 0.00	38.52 1.21 0.00	39.65 1.10 -0.36	33.48 0.86 -2.28	39.24 0.75 -4.42	61.11 1.23 -2.26	51.74 0.97 -3.21	40.62 0.77 0.00	33.19 0.73 0.00	31.86 0.82 0.00	21.50 0.68 -0.36	30.81 1.00 -1.44
REPUBLIC_115KV_BARTNBRK 55605	7.04 0.17 -4.49	16.22 0.99 -4.97	16.38 1.61 -0.85	20.70 2.30 0.00	22.29 2.60 0.00	23.99 2.75 0.00	15.44 1.90 0.00	16.17 2.07 0.00	19.44 2.46 0.00	23.76 2.61 0.00	34.79 3.58 0.00	38.76 4.15 0.00	40.67 4.69 0.00	42.57 5.26 0.00	43.85 5.32 -0.33	36.21 3.78 -2.09	42.30 4.17 -4.05	68.26 8.57 -2.07	58.28 7.77 -2.95	45.95 6.09 0.00	37.27 4.81 0.00	35.59 4.54 0.00	23.75 2.95 -0.33	33.83 3.96 -1.49
REVERE_CPPR_DRP 24186	12.63 0.02 -10.23	22.35 0.18 -11.91	26.82 0.22 -12.68	27.58 0.28 -8.91	20.02 0.33 0.00	21.67 0.41 -0.03	13.89 0.35 0.00	14.52 0.42 0.00	17.59 0.62 0.00	22.06 0.87 -0.04	32.99 1.30 -0.48	36.79 1.47 -0.72	38.28 1.51 -0.79	39.83 1.69 -0.84	40.91 1.79 -0.92	17.10 1.28 14.53	36.40 1.57 -0.75	63.19 2.99 -2.58	52.19 2.54 -2.10	43.56 2.19 -1.51	35.27 1.78 -1.02	33.59 1.65 -0.90	21.46 0.93 -0.08	30.09 1.00 -0.72
REYNOLDS_115KV_TB3 80639	7.50 0.13 -5.00	16.14 0.48 -5.40	15.36 0.62 -0.82	19.20 0.81 0.00	20.52 0.84 0.00	22.10 0.86 0.00	14.16 0.62 0.00	14.75 0.66 0.00	17.72 0.75 0.00	22.01 0.85 0.00	32.54 1.33 0.00	35.97 1.36 0.00	37.55 1.57 0.00	38.95 1.65 0.00	40.06 1.50 -0.37	33.82 1.12 -2.35	39.74 1.11 -4.56	61.81 1.86 -2.33	52.36 1.48 -3.32	41.05 1.20 0.00	33.49 1.03 0.00	32.17 1.13 0.00	21.71 0.87 -0.37	31.03 1.22 -1.44
RIVERBAY____ 323610	31.88 0.35 -29.15	38.77 1.16 -27.35	16.03 1.47 -0.64	20.25 1.86 0.00	21.55 1.86 0.00	23.40 2.16 0.00	14.94 1.40 0.00	15.65 1.56 0.00	18.72 1.75 0.00	23.42 2.27 0.00	34.83 3.62 0.00	38.51 3.90 0.00	40.09 4.11 0.00	41.70 4.40 0.01	44.31 4.46 -1.66	55.16 3.22 -21.59	58.64 3.55 -21.01	72.47 5.70 -9.15	74.02 4.73 -21.73	49.99 3.80 -6.33	43.53 2.98 -8.09	40.04 2.89 -6.10	36.48 1.92 -14.10	35.00 2.88 -3.75
RIVERSIDE_115KV_TB3 55908	7.39 0.12 -4.89	16.01 0.44 -5.31	15.32 0.58 -0.83	19.15 0.75 0.00	20.46 0.78 0.00	22.04 0.81 0.00	14.12 0.58 0.00	14.68 0.59 0.00	17.64 0.67 0.00	21.95 0.79 0.00	32.50 1.29 0.00	35.90 1.29 0.00	37.48 1.49 0.00	38.88 1.57 0.00	39.98 1.42 -0.36	33.74 1.10 -2.30	39.57 1.05 -4.45	61.63 1.73 -2.28	52.15 1.35 -3.24	40.94 1.09 0.00	33.43 0.97 0.00	32.10 1.06 0.00	21.65 0.82 -0.36	30.98 1.16 -1.45
ROARING___BROOK_WT_PWR 323790	2.28 -0.09 0.00	10.04 -0.22 0.00	13.63 -0.29 0.00	18.09 -0.33 -0.03	19.37 -0.31 0.00	20.91 -0.32 0.00	13.32 -0.22 0.00	13.92 -0.18 0.00	16.72 -0.25 0.00	20.86 -0.29 0.00	30.71 -0.50 0.00	34.05 -0.56 0.00	41.31 -0.55 -5.87	47.19 -0.47 -10.35	37.68 -0.51 0.00	34.36 -0.48 -4.49	33.54 -0.54 0.00	56.85 -0.77 0.00	47.09 -0.47 0.00	39.49 -0.37 0.00	32.16 -0.31 0.00	30.74 -0.31 0.00	20.22 -0.24 0.00	27.96 -0.41 0.00
ROCHESRG_115KV_T4 355643	2.31 -0.07 0.00	9.99 -0.34 -0.07	13.49 -0.50 -0.07	17.78 -0.62 0.00	19.08 -0.60 0.00	20.56 -0.67 0.00	13.17 -0.37 0.00	13.83 -0.26 0.00	16.79 -0.18 0.00	21.01 -0.15 0.00	30.96 -0.25 0.00	34.32 -0.29 0.00	35.28 -0.70 0.00	36.27 -1.04 0.00	37.18 -0.93 0.09	29.68 -0.67 0.00	33.40 -0.68 0.00	56.53 -1.09 0.00	46.47 -1.09 0.00	39.12 -0.73 0.00	31.94 -0.52 0.00	30.51 -0.54 0.00	20.03 -0.43 0.00	27.77 -0.73 -0.12

ROCHESTER_9_IC 23652	2.32 -0.05 0.00	10.06 -0.27 -0.07	13.58 -0.40 -0.07	17.90 -0.50 0.00	19.20 -0.48 0.00	20.71 -0.53 0.00	13.26 -0.28 0.00	13.94 -0.15 0.00	16.92 -0.05 0.00	21.18 0.02 0.00	31.23 0.02 0.00	34.61 0.00 0.00	35.58 -0.40 0.00	36.58 -0.72 0.00	37.49 -0.62 0.08	29.93 -0.41 0.00	33.69 -0.39 0.00	57.04 -0.58 0.00	46.90 -0.66 0.00	39.48 -0.37 0.00	32.23 -0.23 0.00	30.77 -0.28 0.00	20.19 -0.28 0.00	27.97 -0.53 -0.13
ROCKVIEW_13_KV_LD 356306	31.77 0.26 -29.12	38.51 0.93 -27.32	15.76 1.20 -0.64	19.92 1.52 0.00	21.22 1.54 0.00	22.98 1.74 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.51 1.54 0.00	23.11 1.96 0.00	34.34 3.13 0.00	38.09 3.48 0.00	39.71 3.73 0.00	41.29 3.99 0.00	43.91 4.05 -1.67	54.88 2.96 -21.57	58.28 3.21 -20.99	71.88 5.13 -9.13	73.47 4.19 -21.71	49.48 3.31 -6.32	43.18 2.63 -8.08	39.71 2.56 -6.10	36.28 1.72 -14.10	34.64 2.52 -3.74
ROME____115KV_TB2 80656	12.63 0.02 -10.23	22.35 0.18 -11.91	26.82 0.22 -12.68	27.58 0.28 -8.91	20.02 0.33 0.00	21.67 0.41 -0.03	13.89 0.35 0.00	14.52 0.42 0.00	17.59 0.62 0.00	22.06 0.87 -0.04	32.99 1.30 -0.48	36.79 1.47 -0.72	38.28 1.51 -0.79	39.83 1.69 -0.84	40.91 1.79 -0.92	17.10 1.28 14.53	36.40 1.57 -0.75	63.19 2.99 -2.58	52.19 2.54 -2.10	43.56 2.19 -1.51	35.27 1.78 -1.02	33.59 1.65 -0.90	21.46 0.93 -0.08	30.09 1.00 -0.72
ROSETON____1 23587	2.58 0.20 0.00	11.60 0.69 -0.65	15.45 0.89 -0.64	19.52 1.13 0.00	20.83 1.14 0.00	22.53 1.30 0.00	14.40 0.86 0.00	15.06 0.96 0.00	18.12 1.15 0.00	22.61 1.45 0.00	33.55 2.34 0.00	37.20 2.59 0.00	38.80 2.82 0.00	40.32 3.02 0.00	40.88 3.04 0.35	31.31 2.21 1.24	30.96 2.36 5.48	57.80 3.73 3.56	45.53 3.04 5.06	42.28 2.43 0.00	34.40 1.94 0.00	32.99 1.94 0.00	20.62 1.35 1.19	31.46 1.96 -1.12
ROSETON____2 23588	2.58 0.20 0.00	11.60 0.69 -0.65	15.45 0.89 -0.64	19.52 1.13 0.00	20.83 1.14 0.00	22.53 1.30 0.00	14.40 0.86 0.00	15.06 0.96 0.00	18.12 1.15 0.00	22.61 1.45 0.00	33.55 2.34 0.00	37.20 2.59 0.00	38.80 2.82 0.00	40.32 3.02 0.00	40.88 3.04 0.35	31.31 2.21 1.24	30.96 2.36 5.48	57.80 3.73 3.56	45.53 3.04 5.06	42.28 2.43 0.00	34.40 1.94 0.00	32.99 1.94 0.00	20.62 1.35 1.19	31.46 1.96 -1.12
ROTTDRAM_115KV_TB3 80664	6.73 0.12 -4.23	15.46 0.46 -4.74	15.40 0.62 -0.86	19.20 0.81 0.00	20.53 0.84 0.00	22.13 0.90 0.00	14.15 0.61 0.00	14.73 0.64 0.00	17.68 0.71 0.00	22.00 0.85 0.00	32.51 1.30 0.00	36.09 1.48 0.00	37.75 1.77 0.00	39.01 1.71 0.00	40.11 1.62 -0.30	33.49 1.27 -1.87	39.19 1.37 -3.74	62.01 2.45 -1.94	52.37 2.05 -2.77	41.52 1.67 0.00	33.84 1.38 0.00	32.43 1.38 0.00	21.72 0.95 -0.31	31.17 1.29 -1.51
RUSSELL____1 23602	2.34 -0.04 0.00	10.12 -0.21 -0.07	13.66 -0.33 -0.07	18.00 -0.40 0.00	19.32 -0.37 0.00	20.83 -0.41 0.00	13.34 -0.20 0.00	14.03 -0.07 0.00	17.03 0.06 0.00	21.32 0.17 0.00	31.45 0.24 0.00	34.87 0.26 0.00	35.84 -0.14 0.00	36.85 -0.45 0.00	37.78 -0.34 0.08	30.17 -0.18 0.00	33.96 -0.12 0.00	57.52 -0.10 0.00	47.30 -0.26 0.00	39.83 -0.02 0.00	32.50 0.03 0.00	31.01 -0.04 0.00	20.33 -0.13 0.00	28.15 -0.34 -0.13
RUSSELL____2 23532	2.34 -0.04 0.00	10.12 -0.21 -0.07	13.66 -0.33 -0.07	18.00 -0.40 0.00	19.32 -0.37 0.00	20.83 -0.41 0.00	13.34 -0.20 0.00	14.03 -0.07 0.00	17.03 0.06 0.00	21.32 0.17 0.00	31.45 0.24 0.00	34.87 0.26 0.00	35.84 -0.14 0.00	36.85 -0.45 0.00	37.78 -0.34 0.08	30.17 -0.18 0.00	33.96 -0.12 0.00	57.52 -0.10 0.00	47.30 -0.26 0.00	39.83 -0.02 0.00	32.50 0.03 0.00	31.01 -0.04 0.00	20.33 -0.13 0.00	28.15 -0.34 -0.13
RUSSELL____3 23549	2.34 -0.04 0.00	10.12 -0.21 -0.07	13.66 -0.33 -0.07	18.00 -0.40 0.00	19.32 -0.37 0.00	20.83 -0.41 0.00	13.34 -0.20 0.00	14.03 -0.07 0.00	17.03 0.06 0.00	21.32 0.17 0.00	31.45 0.24 0.00	34.87 0.26 0.00	35.84 -0.14 0.00	36.85 -0.45 0.00	37.78 -0.34 0.08	30.17 -0.18 0.00	33.96 -0.12 0.00	57.52 -0.10 0.00	47.30 -0.26 0.00	39.83 -0.02 0.00	32.50 0.03 0.00	31.01 -0.04 0.00	20.33 -0.13 0.00	28.15 -0.34 -0.13
RUSSELL____4 23556	2.34 -0.04 0.00	10.12 -0.21 -0.07	13.66 -0.33 -0.07	18.00 -0.40 0.00	19.32 -0.37 0.00	20.83 -0.41 0.00	13.34 -0.20 0.00	14.03 -0.07 0.00	17.03 0.06 0.00	21.32 0.17 0.00	31.45 0.24 0.00	34.87 0.26 0.00	35.84 -0.14 0.00	36.85 -0.45 0.00	37.78 -0.34 0.08	30.17 -0.18 0.00	33.96 -0.12 0.00	57.52 -0.10 0.00	47.30 -0.26 0.00	39.83 -0.02 0.00	32.50 0.03 0.00	31.01 -0.04 0.00	20.33 -0.13 0.00	28.15 -0.34 -0.13
RUSSELL____STATION 23914	2.34 -0.04 0.00	10.12 -0.21 -0.07	13.66 -0.33 -0.07	18.00 -0.40 0.00	19.32 -0.37 0.00	20.83 -0.41 0.00	13.34 -0.20 0.00	14.03 -0.07 0.00	17.03 0.06 0.00	21.32 0.17 0.00	31.45 0.24 0.00	34.87 0.26 0.00	35.84 -0.14 0.00	36.85 -0.45 0.00	37.78 -0.34 0.08	30.17 -0.18 0.00	33.96 -0.12 0.00	57.52 -0.10 0.00	47.30 -0.26 0.00	39.83 -0.02 0.00	32.50 0.03 0.00	31.01 -0.04 0.00	20.33 -0.13 0.00	28.15 -0.34 -0.13
S SALMON____HYD 24043	-6.34 -0.10 8.62	-0.07 -0.34 9.99	2.79 -0.49 10.64	10.02 -0.64 7.74	19.07 -0.61 0.00	20.70 -0.64 -0.10	13.25 -0.29 0.00	13.88 -0.21 0.00	16.79 -0.18 0.00	21.11 -0.22 -0.17	32.88 -0.31 -1.97	37.16 -0.35 -2.90	37.76 -0.34 -2.12	38.37 -0.45 -1.52	41.46 -0.49 -3.76	11.22 -0.74 18.38	35.98 -0.74 -2.64	65.23 -0.96 -8.57	53.77 -0.76 -6.97	44.44 -0.45 -5.04	35.45 -0.26 -3.24	33.58 -0.30 -2.83	20.35 -0.35 -0.24	29.80 -0.71 -2.13
S.PERRY__115KV_TB1 80734	2.30 -0.08 0.00	10.01 -0.35 -0.10	13.48 -0.53 -0.10	17.75 -0.65 0.00	19.16 -0.53 0.00	20.73 -0.51 0.00	13.32 -0.22 0.00	14.03 -0.06 0.00	17.04 0.07 0.00	21.35 0.19 0.00	31.25 0.04 0.00	34.19 -0.42 0.00	34.66 -1.33 0.00	35.56 -1.74 0.00	37.19 -1.20 -0.19	29.26 -1.09 0.00	32.61 -1.46 0.00	55.01 -2.61 0.00	45.34 -2.22 0.00	38.23 -1.62 0.00	32.45 -0.02 0.00	31.22 0.17 0.00	20.46 0.00 0.00	28.31 -0.24 -0.18
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	2.24 -0.14 0.00	9.69 -0.66 -0.10	13.10 -0.92 -0.10	17.28 -1.11 0.00	18.60 -1.09 0.00	20.02 -1.21 0.00	12.79 -0.74 0.00	13.48 -0.61 0.00	16.42 -0.56 0.00	20.59 -0.57 0.00	30.28 -0.92 0.00	33.59 -1.02 0.00	34.29 -1.69 0.00	35.10 -2.21 0.00	38.01 -2.08 -1.90	28.88 -1.47 0.00	32.59 -1.49 0.00	55.07 -2.54 0.00	45.07 -2.48 0.00	38.13 -1.72 0.00	31.13 -1.34 0.00	29.75 -1.29 0.00	19.57 -0.89 0.00	27.19 -1.35 -0.17
SAWYER____23_KV_LOAD 55526	2.24 -0.14 0.00	9.69 -0.66 -0.10	13.10 -0.92 -0.10	17.28 -1.11 0.00	18.60 -1.09 0.00	20.02 -1.21 0.00	12.79 -0.74 0.00	13.48 -0.61 0.00	16.42 -0.56 0.00	20.59 -0.57 0.00	30.28 -0.92 0.00	33.59 -1.02 0.00	34.29 -1.69 0.00	35.10 -2.21 0.00	38.01 -2.08 -1.90	28.88 -1.47 0.00	32.59 -1.49 0.00	55.07 -2.54 0.00	45.07 -2.48 0.00	38.13 -1.72 0.00	31.13 -1.34 0.00	29.75 -1.29 0.00	19.57 -0.89 0.00	27.19 -1.35 -0.17

SELKIRK___I 23801	6.79 0.11 -4.30	15.46 0.44 -4.75	15.32 0.60 -0.81	19.18 0.79 0.00	20.50 0.82 0.00	22.07 0.84 0.00	14.11 0.57 0.00	14.62 0.53 0.00	17.52 0.55 0.00	21.77 0.61 0.00	32.03 0.82 0.00	35.04 0.43 0.00	36.26 0.28 0.00	37.63 0.33 0.00	38.92 0.37 -0.35	32.90 0.36 -2.20	38.48 0.15 -4.25	60.15 0.37 -2.16	50.92 0.29 -3.07	40.09 0.24 0.00	32.76 0.30 0.00	31.46 0.41 0.00	21.30 0.53 -0.30	30.95 1.16 -1.41
SELKIRK___II 23799	7.12 0.10 -4.64	15.73 0.40 -5.07	15.26 0.53 -0.82	19.09 0.69 0.00	20.40 0.71 0.00	21.98 0.74 0.00	14.06 0.52 0.00	14.63 0.53 0.00	17.56 0.59 0.00	21.82 0.67 0.00	32.15 0.94 0.00	35.40 0.79 0.00	36.87 0.89 0.00	38.26 0.95 0.00	39.42 0.88 -0.34	33.12 0.67 -2.10	38.85 0.58 -4.20	60.73 0.94 -2.17	51.39 0.74 -3.09	40.43 0.58 0.00	33.00 0.54 0.00	31.68 0.63 0.00	21.40 0.61 -0.33	30.83 1.02 -1.43
SENECA OSWGO___HYD 24041	0.64 -0.04 1.70	8.17 -0.15 1.94	11.63 -0.22 2.07	16.55 -0.30 1.54	19.35 -0.34 0.00	21.01 -0.37 -0.15	13.38 -0.15 0.00	13.97 -0.12 0.00	16.87 -0.10 0.00	21.26 -0.13 -0.24	33.79 -0.17 -2.75	38.46 -0.19 -4.04	40.24 -0.21 -4.47	41.77 -0.31 -4.78	43.19 -0.25 -5.24	26.41 -0.25 3.70	37.38 -0.32 -3.62	68.90 -0.39 -11.68	56.61 -0.45 -9.50	46.38 -0.34 -6.87	36.59 -0.31 -4.43	34.62 -0.31 -3.88	20.52 -0.26 -0.32	30.81 -0.46 -2.90
SENECA___115KV_TB3 355854	2.27 -0.11 0.00	9.82 -0.54 -0.10	13.27 -0.74 -0.10	17.52 -0.87 0.00	18.87 -0.82 0.00	20.31 -0.92 0.00	12.99 -0.55 0.00	13.70 -0.39 0.00	16.70 -0.28 0.00	20.94 -0.21 0.00	30.83 -0.38 0.00	34.23 -0.38 0.00	34.96 -1.02 0.00	35.83 -1.48 0.00	37.87 -1.29 -0.96	29.46 -0.89 0.00	33.25 -0.83 0.00	56.17 -1.45 0.00	45.95 -1.61 0.00	38.84 -1.01 0.00	31.67 -0.79 0.00	30.22 -0.82 0.00	19.90 -0.56 0.00	27.64 -0.91 -0.17
SENECA___ENERGY 23797	2.36 -0.02 0.00	10.20 -0.13 -0.07	13.78 -0.21 -0.07	18.09 -0.28 0.02	19.39 -0.30 0.00	20.99 -0.31 -0.06	13.46 -0.08 0.00	14.12 0.02 0.00	17.12 0.14 0.00	21.51 0.26 -0.09	32.70 0.39 -1.10	36.63 0.39 -1.62	37.98 0.22 -1.78	39.24 0.03 -1.90	40.48 0.20 -2.09	28.07 0.16 2.43	35.74 0.22 -1.45	62.61 0.31 -4.68	51.54 0.18 -3.80	42.78 0.17 -2.75	34.38 0.14 -1.77	32.64 0.04 -1.55	20.62 0.03 -0.13	29.51 -0.12 -1.26
SHOEMAKER___GT 23640	-23.22 0.18 25.78	-12.15 0.63 23.04	15.30 0.81 -0.57	19.41 1.02 0.00	20.72 1.04 0.00	22.40 1.16 0.00	14.32 0.78 0.00	14.96 0.87 0.00	18.01 1.04 0.00	22.49 1.34 0.00	33.26 2.05 0.00	36.90 2.29 0.00	38.48 2.50 0.00	40.00 2.69 0.00	35.80 2.84 5.23	-9.40 2.06 41.81	-30.16 2.24 66.48	27.56 3.61 33.67	-5.77 2.95 56.28	36.16 2.36 6.06	26.56 1.84 7.75	26.98 1.79 5.85	8.32 1.24 13.38	28.63 1.75 1.49
SHOEMAKR_138KV_BK 111 55601	-21.95 0.18 24.51	-10.99 0.63 21.88	15.29 0.81 -0.57	19.41 1.01 0.00	20.72 1.03 0.00	22.40 1.16 0.00	14.31 0.78 0.00	14.96 0.87 0.00	18.01 1.04 0.00	22.48 1.33 0.00	33.29 2.07 0.00	36.92 2.32 0.00	38.52 2.54 0.00	40.04 2.74 0.00	33.03 2.85 8.01	-26.49 2.08 58.92	-64.08 2.25 100.41	10.22 3.61 51.02	-30.09 2.95 80.59	36.42 2.34 5.77	26.92 1.83 7.38	27.26 1.78 5.57	8.92 1.23 12.77	28.73 1.74 1.38
SHOREHAM_IC_1 23715	50.60 0.33 -47.89	68.81 1.13 -57.42	48.04 1.43 -32.69	49.13 1.81 -28.92	64.47 1.90 -42.88	32.37 2.16 -8.98	48.73 1.44 -33.75	74.27 1.70 -58.48	40.52 1.97 -21.57	58.03 2.48 -34.40	53.14 3.97 -17.96	55.78 4.33 -16.84	44.90 4.48 -4.44	94.83 4.77 -52.75	99.69 4.87 -56.63	222.25 3.59 -188.32	248.40 3.89 -210.43	304.10 6.41 -240.07	288.28 5.54 -235.18	88.14 4.13 -44.16	52.20 3.36 -16.38	53.13 3.29 -18.79	40.47 2.09 -17.92	41.60 3.26 -9.96
SHOREHAM_IC_2 23716	50.60 0.33 -47.89	68.81 1.13 -57.42	48.04 1.43 -32.69	49.13 1.81 -28.92	64.47 1.90 -42.88	32.37 2.16 -8.98	48.73 1.44 -33.75	74.27 1.70 -58.48	40.52 1.97 -21.57	58.03 2.48 -34.40	53.14 3.97 -17.96	55.78 4.33 -16.84	44.90 4.48 -4.44	94.83 4.77 -52.75	99.69 4.87 -56.63	222.25 3.59 -188.32	248.40 3.89 -210.43	304.10 6.41 -240.07	288.28 5.54 -235.18	88.14 4.13 -44.16	52.20 3.36 -16.38	53.13 3.29 -18.79	40.47 2.09 -17.92	41.60 3.26 -9.96
SISSONVILLE____ 23735	-10.08 -0.22 12.24	-4.83 -0.72 14.38	-2.36 -0.96 15.31	5.11 -1.25 12.04	18.46 -1.23 0.00	19.98 -1.27 -0.01	12.67 -0.87 0.00	13.25 -0.85 0.00	15.90 -1.08 0.00	19.81 -1.37 -0.02	29.32 -2.18 -0.28	32.62 -2.40 -0.42	23.13 -2.62 10.23	16.38 -2.58 18.34	36.00 -2.73 -0.54	-147.58 -2.19 175.74	32.32 -2.20 -0.44	55.41 -3.71 -1.50	46.27 -2.51 -1.22	38.88 -1.85 -0.88	31.53 -1.48 -0.55	30.05 -1.47 -0.48	19.42 -1.08 -0.04	27.10 -1.62 -0.35
SITHE_IND_GS1 24169	2.31 -0.07 0.00	10.00 -0.30 -0.04	13.54 -0.41 -0.04	17.84 -0.56 0.00	19.06 -0.62 0.00	20.12 -0.70 0.42	13.17 -0.37 0.00	13.74 -0.35 0.00	16.58 -0.39 0.00	19.96 -0.51 0.68	22.55 -0.73 7.93	22.16 -0.80 11.65	22.20 -0.88 12.91	22.53 -0.97 13.80	22.11 -0.95 15.14	22.21 -0.76 7.37	22.80 -0.87 10.41	22.72 -1.46 33.44	19.08 -1.27 27.21	19.12 -1.05 19.67	18.92 -0.85 12.69	19.10 -0.84 11.11	18.98 -0.56 0.92	19.52 -0.85 8.00
SITHE_IND_GS2 24170	2.31 -0.07 0.00	10.00 -0.30 -0.04	13.54 -0.41 -0.04	17.84 -0.56 0.00	19.06 -0.62 0.00	20.12 -0.70 0.42	13.17 -0.37 0.00	13.74 -0.35 0.00	16.58 -0.39 0.00	19.96 -0.51 0.68	22.55 -0.73 7.93	22.16 -0.80 11.65	22.20 -0.88 12.91	22.53 -0.97 13.80	22.11 -0.95 15.14	22.21 -0.76 7.37	22.80 -0.87 10.41	22.72 -1.46 33.44	19.08 -1.27 27.21	19.12 -1.05 19.67	18.92 -0.85 12.69	19.10 -0.84 11.11	18.98 -0.56 0.92	19.52 -0.85 8.00
SITHE_IND_GS3 24171	2.31 -0.07 0.00	10.00 -0.30 -0.04	13.54 -0.41 -0.04	17.84 -0.56 0.00	19.06 -0.62 0.00	20.12 -0.70 0.42	13.17 -0.37 0.00	13.74 -0.35 0.00	16.58 -0.39 0.00	19.96 -0.51 0.68	22.55 -0.73 7.93	22.16 -0.80 11.65	22.20 -0.88 12.91	22.53 -0.97 13.80	22.11 -0.95 15.14	22.21 -0.76 7.37	22.80 -0.87 10.41	22.72 -1.46 33.44	19.08 -1.27 27.21	19.12 -1.05 19.67	18.92 -0.85 12.69	19.10 -0.84 11.11	18.98 -0.56 0.92	19.52 -0.85 8.00
SITHE_IND_GS4 24172	2.31 -0.07 0.00	10.00 -0.30 -0.04	13.54 -0.41 -0.04	17.84 -0.56 0.00	19.06 -0.62 0.00	20.12 -0.70 0.42	13.17 -0.37 0.00	13.74 -0.35 0.00	16.58 -0.39 0.00	19.96 -0.51 0.68	22.55 -0.73 7.93	22.16 -0.80 11.65	22.20 -0.88 12.91	22.53 -0.97 13.80	22.11 -0.95 15.14	22.21 -0.76 7.37	22.80 -0.87 10.41	22.72 -1.46 33.44	19.08 -1.27 27.21	19.12 -1.05 19.67	18.92 -0.85 12.69	19.10 -0.84 11.11	18.98 -0.56 0.92	19.52 -0.85 8.00
SITHE___BATAVIA 24024	2.32 -0.06 0.00	10.04 -0.30 -0.08	13.55 -0.45 -0.08	17.87 -0.52 0.00	19.23 -0.45 0.00	20.74 -0.50 0.00	13.30 -0.24 0.00	14.04 -0.05 0.00	17.11 0.14 0.00	21.43 0.28 0.00	31.54 0.33 0.00	34.93 0.32 0.00	35.69 -0.29 0.00	36.44 -0.86 0.00	37.62 -0.69 -0.11	29.96 -0.40 -0.01	33.64 -0.45 -0.01	56.86 -0.78 -0.02	46.76 -0.83 -0.03	39.64 -0.21 0.00	32.44 -0.02 0.00	31.02 -0.03 0.00	20.34 -0.12 0.00	28.13 -0.39 -0.15

SITHE___INDEPEND 23800	2.31 -0.07 0.00	10.00 -0.30 -0.04	13.54 -0.41 -0.04	17.84 -0.56 0.00	19.06 -0.62 0.00	20.12 -0.70 0.42	13.17 -0.37 0.00	13.74 -0.35 0.00	16.58 -0.39 0.00	19.96 -0.51 0.68	22.55 -0.73 7.93	22.16 -0.80 11.65	22.19 -0.88 12.91	22.53 -0.97 13.80	22.11 -0.96 15.14	22.20 -0.78 7.37	22.79 -0.88 10.41	22.72 -1.46 33.44	19.08 -1.27 27.21	19.12 -1.05 19.67	18.92 -0.86 12.69	19.10 -0.84 11.11	18.98 -0.56 0.92	19.52 -0.85 8.00
SITHE___MASSENA 23902	-2.77 -0.11 5.04	4.09 -0.35 5.82	7.26 -0.45 6.20	11.75 -0.57 6.08	19.13 -0.55 0.00	20.67 -0.57 0.00	13.08 -0.46 0.00	13.59 -0.50 0.00	16.31 -0.66 0.00	20.34 -0.81 0.00	29.88 -1.33 0.00	33.14 -1.47 0.00	21.43 -1.68 12.87	13.00 -1.62 22.68	36.54 -1.66 0.00	-228.57 -1.20 257.72	32.93 -1.15 0.00	55.25 -2.37 0.00	46.22 -1.34 0.00	38.93 -0.92 0.00	31.71 -0.76 0.00	30.27 -0.78 0.00	19.89 -0.57 0.00	27.59 -0.79 0.00
SITHE___OGDNSBRG 24021	-7.08 -0.09 9.36	-0.15 -0.20 10.22	2.79 -0.25 10.88	8.95 -0.31 9.14	19.45 -0.24 0.00	21.04 -0.20 0.00	13.33 -0.21 0.00	13.85 -0.24 0.00	16.58 -0.39 0.00	20.71 -0.44 0.00	30.34 -0.87 0.00	33.57 -1.04 0.00	22.94 -1.29 11.75	15.31 -1.29 20.71	36.66 -1.53 0.00	-186.50 -1.11 215.74	33.32 -0.99 -0.23	56.92 -1.75 -1.05	47.63 -0.78 -0.85	40.49 0.03 -0.62	32.92 0.08 -0.38	31.40 0.02 -0.33	20.36 -0.12 -0.03	28.36 -0.26 -0.24
SITHE___STERLING 23777	8.37 0.04 -5.95	17.40 0.20 -6.94	21.56 0.25 -7.39	23.89 0.32 -5.17	20.04 0.35 0.00	21.67 0.41 -0.03	13.88 0.34 0.00	14.49 0.39 0.00	17.52 0.55 0.00	21.98 0.79 -0.04	32.88 1.18 -0.49	36.66 1.34 -0.72	38.11 1.34 -0.79	39.60 1.45 -0.84	40.68 1.56 -0.92	22.06 1.15 9.44	36.16 1.39 -0.70	62.48 2.53 -2.33	51.55 2.10 -1.90	42.98 1.76 -1.37	34.79 1.42 -0.91	33.15 1.31 -0.80	21.30 0.77 -0.07	29.92 0.90 -0.64
SLEIGHT___34_KV_TB1 80719	2.34 -0.04 0.00	10.13 -0.20 -0.07	13.68 -0.30 -0.07	18.01 -0.38 0.00	19.29 -0.39 0.00	20.83 -0.42 -0.02	13.37 -0.17 0.00	14.03 -0.06 0.00	17.03 0.06 0.00	21.30 0.12 -0.03	31.72 0.19 -0.31	35.32 0.24 -0.46	36.46 -0.03 -0.50	37.55 -0.29 -0.53	38.55 -0.17 -0.53	30.56 -0.07 -0.29	34.49 0.00 -0.41	58.97 0.01 -1.35	48.55 -0.10 -1.10	40.64 0.00 -0.79	32.97 0.00 -0.51	31.39 -0.11 -0.45	20.34 -0.15 -0.04	28.47 -0.35 -0.45
SOUTH CAIRO___GT 23612	2.57 0.19 0.00	11.87 0.83 -0.78	15.78 1.10 -0.77	19.84 1.44 0.00	21.20 1.51 0.00	22.82 1.59 0.00	14.63 1.09 0.00	15.20 1.10 0.00	18.16 1.19 0.00	22.51 1.36 0.00	33.03 1.82 0.00	36.28 1.67 0.00	37.83 1.85 0.00	39.38 2.08 0.00	41.20 2.61 -0.40	35.55 2.46 -2.74	40.97 2.24 -4.65	63.33 3.55 -2.17	53.85 3.20 -3.09	42.65 2.80 0.00	34.81 2.35 0.00	33.32 2.27 0.00	22.27 1.61 -0.19	32.01 2.28 -1.35
SOUTH HAMPTN___IC 23720	50.62 0.35 -47.89	68.91 1.23 -57.42	48.18 1.57 -32.69	49.37 2.06 -28.92	64.85 2.28 -42.88	32.82 2.60 -8.98	49.03 1.75 -33.75	74.50 2.03 -58.38	40.93 2.38 -21.57	57.75 2.98 -33.62	53.80 4.68 -17.91	56.51 5.06 -16.84	45.72 5.30 -4.44	95.63 5.58 -52.75	100.42 5.60 -56.63	217.50 4.18 -182.97	240.43 4.50 -201.86	300.11 7.28 -235.20	273.02 6.14 -219.33	85.23 4.62 -40.76	52.31 3.75 -16.09	53.56 3.72 -18.79	40.76 2.38 -17.92	42.01 3.67 -9.96
SOUTHDOW___115KV_TB1 355954	2.33 -0.05 0.00	10.11 -0.26 -0.11	13.75 -0.28 -0.11	18.28 -0.11 0.00	19.64 -0.04 0.00	21.11 -0.12 0.00	13.55 0.01 0.00	14.32 0.23 0.00	17.57 0.60 0.00	22.07 0.92 0.00	32.56 1.35 0.00	36.27 1.65 0.00	37.09 1.11 0.00	38.08 0.77 0.00	39.54 0.52 -0.82	30.61 0.26 0.00	34.51 0.43 0.00	58.33 0.71 0.00	47.56 0.00 0.00	40.06 0.21 0.00	32.80 0.33 0.00	31.38 0.34 0.00	20.64 0.18 0.00	28.69 0.12 -0.19
SOUTHOLD_69_KV_BK 2 55809	50.62 0.35 -47.89	68.95 1.27 -57.42	48.23 1.62 -32.69	49.57 2.25 -28.92	65.27 2.70 -42.88	33.35 3.15 -8.97	49.40 2.12 -33.74	74.89 2.43 -58.37	41.24 2.69 -21.57	57.94 3.16 -33.63	54.04 4.92 -17.91	56.63 5.19 -16.84	45.91 5.49 -4.44	95.67 5.61 -52.75	100.27 5.45 -56.63	217.47 4.08 -183.05	240.43 4.34 -202.02	299.86 6.94 -235.30	272.94 5.75 -219.63	84.87 4.20 -40.82	52.11 3.55 -16.09	53.79 3.96 -18.79	40.95 2.57 -17.92	42.30 3.96 -9.96
SOUTHOLD___IC 23719	50.63 0.36 -47.89	68.95 1.27 -57.42	48.23 1.61 -32.69	49.56 2.25 -28.92	65.27 2.70 -42.88	33.36 3.15 -8.98	49.40 2.12 -33.75	74.90 2.43 -58.37	41.24 2.69 -21.57	57.94 3.16 -33.63	54.04 4.92 -17.91	56.63 5.18 -16.84	45.91 5.49 -4.44	95.67 5.61 -52.75	100.27 5.45 -56.63	217.47 4.08 -183.05	240.42 4.33 -202.02	299.86 6.93 -235.30	272.94 5.75 -219.63	84.86 4.18 -40.83	52.11 3.55 -16.10	53.79 3.95 -18.79	40.94 2.56 -17.92	42.30 3.96 -9.96
SOUTH_FORK_WT_PWR 323839	50.59 0.32 -47.89	68.82 1.14 -57.42	48.04 1.43 -32.69	49.42 2.10 -28.92	65.27 2.70 -42.88	33.42 3.21 -8.98	49.47 2.18 -33.75	74.97 2.50 -58.37	41.42 2.88 -21.57	58.23 3.46 -33.62	54.42 5.30 -17.91	56.97 5.52 -16.84	46.25 5.83 -4.44	95.92 5.86 -52.75	100.38 5.56 -56.63	217.44 4.09 -183.01	240.28 4.28 -201.93	299.62 6.75 -235.25	272.57 5.55 -219.47	84.61 3.96 -40.79	51.81 3.25 -16.10	53.38 3.54 -18.79	40.73 2.36 -17.92	42.06 3.72 -9.96
SPIERFLS_115KV_TB 1 80737	6.97 0.13 -4.46	15.75 0.55 -4.94	15.57 0.80 -0.85	19.47 1.08 0.00	20.84 1.15 0.00	22.48 1.24 0.00	14.41 0.87 0.00	15.04 0.94 0.00	18.07 1.10 0.00	22.36 1.21 0.00	32.82 1.61 0.00	36.50 1.89 0.00	38.30 2.32 0.00	39.59 2.29 0.00	40.65 2.12 -0.33	33.92 1.50 -2.07	39.74 1.65 -4.02	63.05 3.38 -2.06	53.78 3.29 -2.93	42.45 2.60 0.00	34.71 2.25 0.00	33.25 2.20 0.00	22.23 1.44 -0.33	31.67 1.80 -1.50
ST LAWRENCE____ 23600	-0.80 -0.10 3.08	6.37 -0.34 3.55	9.70 -0.44 3.78	15.28 -0.54 2.58	19.16 -0.53 0.00	20.68 -0.55 0.00	13.09 -0.45 0.00	13.59 -0.50 0.00	16.34 -0.63 0.00	20.38 -0.77 0.00	29.94 -1.27 0.00	33.21 -1.40 0.00	20.98 -1.58 13.42	12.11 -1.55 23.64	36.64 -1.55 0.00	48.48 -1.10 -19.24	32.97 -1.11 0.00	55.79 -1.83 0.00	46.23 -1.33 0.00	38.86 -0.99 0.00	31.63 -0.83 0.00	30.20 -0.84 0.00	19.87 -0.59 0.00	27.57 -0.80 0.00
STATE_CA_115KV_115_LB 55624	7.26 0.12 -4.76	15.91 0.46 -5.20	15.34 0.60 -0.83	19.17 0.78 0.00	20.49 0.80 0.00	22.07 0.83 0.00	14.14 0.60 0.00	14.71 0.62 0.00	17.68 0.71 0.00	22.00 0.85 0.00	32.59 1.38 0.00	36.00 1.39 0.00	37.58 1.60 0.00	38.98 1.67 0.00	40.08 1.53 -0.35	33.77 1.19 -2.23	39.55 1.14 -4.33	61.71 1.88 -2.21	52.20 1.49 -3.15	41.04 1.19 0.00	33.53 1.07 0.00	32.18 1.13 0.00	21.68 0.86 -0.35	31.04 1.22 -1.46
STATE_ST_34_KV_LOAD 55959	2.39 0.02 0.00	10.40 0.06 -0.07	14.07 0.07 -0.07	18.47 0.10 0.02	19.72 0.04 0.00	21.35 0.04 -0.07	13.70 0.16 0.00	14.34 0.24 0.00	17.33 0.36 0.00	21.70 0.43 -0.11	33.24 0.75 -1.29	37.35 0.85 -1.89	38.83 0.79 -2.06	40.04 0.53 -2.21	41.25 0.64 -2.42	28.56 0.62 2.41	36.53 0.77 -1.68	64.13 1.10 -5.41	52.87 0.91 -4.41	43.85 0.81 -3.18	35.18 0.66 -2.06	33.28 0.43 -1.80	20.86 0.24 -0.15	30.12 0.31 -1.44

STATION 5_MISC_HYD 23604	2.32 -0.06 0.00	10.06 -0.27 -0.07	13.58 -0.40 -0.07	17.90 -0.49 0.00	19.22 -0.47 0.00	20.71 -0.52 0.00	13.26 -0.27 0.00	13.95 -0.15 0.00	16.93 -0.05 0.00	21.18 0.02 0.00	31.23 0.02 0.00	34.63 0.02 0.00	35.59 -0.39 0.00	36.59 -0.71 0.00	37.53 -0.59 0.08	29.98 -0.37 0.00	33.72 -0.36 0.00	57.04 -0.57 0.00	46.89 -0.67 0.00	39.49 -0.36 0.00	32.23 -0.23 0.00	30.78 -0.27 0.00	20.20 -0.26 0.00	27.97 -0.52 -0.13
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	2.36 -0.02 0.00	10.21 -0.12 -0.07	13.78 -0.21 -0.07	18.14 -0.25 0.00	19.46 -0.23 0.00	21.01 -0.24 -0.02	13.48 -0.06 0.00	14.16 0.07 0.00	17.19 0.22 0.00	21.54 0.36 -0.03	32.04 0.50 -0.33	35.67 0.57 -0.49	36.81 0.29 -0.53	37.91 0.04 -0.57	38.99 0.22 -0.58	30.84 0.19 -0.30	34.82 0.30 -0.44	59.56 0.51 -1.43	49.02 0.29 -1.16	41.03 0.34 -0.84	33.30 0.29 -0.54	31.71 0.19 -0.48	20.56 0.05 -0.04	28.74 -0.10 -0.47
STA_56_34_KV_BUS2_REV_LBMP_B 345033	2.32 -0.06 0.00	10.03 -0.30 -0.07	13.53 -0.45 -0.07	17.83 -0.56 0.00	19.13 -0.56 0.00	20.62 -0.62 0.00	13.21 -0.33 0.00	13.89 -0.20 0.00	16.86 -0.11 0.00	21.10 -0.05 0.00	31.12 -0.09 0.00	34.50 -0.11 0.00	35.50 -0.48 0.00	36.51 -0.80 0.00	37.42 -0.71 0.07	29.87 -0.48 0.00	33.62 -0.46 0.00	56.92 -0.70 0.00	46.81 -0.76 0.00	39.38 -0.47 0.00	32.12 -0.34 0.00	30.66 -0.38 0.00	20.12 -0.34 0.00	27.87 -0.63 -0.12
STA_56___34_KV_BUS2 355983	2.32 -0.06 0.00	10.03 -0.30 -0.07	13.53 -0.45 -0.07	17.83 -0.56 0.00	19.13 -0.56 0.00	20.62 -0.62 0.00	13.21 -0.33 0.00	13.89 -0.20 0.00	16.86 -0.11 0.00	21.10 -0.05 0.00	31.12 -0.09 0.00	34.50 -0.11 0.00	35.50 -0.48 0.00	36.51 -0.80 0.00	37.42 -0.71 0.07	29.87 -0.48 0.00	33.62 -0.46 0.00	56.92 -0.70 0.00	46.81 -0.76 0.00	39.38 -0.47 0.00	32.12 -0.34 0.00	30.66 -0.38 0.00	20.12 -0.34 0.00	27.87 -0.63 -0.12
STA_67___115KV_BK2 355882	2.32 -0.06 0.00	10.03 -0.30 -0.07	13.55 -0.44 -0.07	17.85 -0.54 0.00	19.16 -0.52 0.00	20.65 -0.58 0.00	13.22 -0.31 0.00	13.90 -0.20 0.00	16.87 -0.10 0.00	21.11 -0.04 0.00	31.13 -0.08 0.00	34.50 -0.11 0.00	35.47 -0.51 0.00	36.45 -0.85 0.00	37.37 -0.74 0.08	29.83 -0.52 0.00	33.57 -0.50 0.00	56.85 -0.77 0.00	46.72 -0.84 0.00	39.35 -0.50 0.00	32.11 -0.36 0.00	30.67 -0.37 0.00	20.12 -0.34 0.00	27.89 -0.60 -0.13
STA_7___115KV_9TRANS 80674	2.34 -0.04 0.00	10.12 -0.21 -0.07	13.66 -0.33 -0.07	18.00 -0.40 0.00	19.32 -0.37 0.00	20.83 -0.41 0.00	13.34 -0.20 0.00	14.03 -0.07 0.00	17.03 0.06 0.00	21.32 0.17 0.00	31.45 0.24 0.00	34.87 0.26 0.00	35.84 -0.14 0.00	36.85 -0.45 0.00	37.78 -0.34 0.08	30.17 -0.18 0.00	33.96 -0.12 0.00	57.52 -0.10 0.00	47.30 -0.26 0.00	39.83 -0.02 0.00	32.50 0.03 0.00	31.01 -0.04 0.00	20.33 -0.13 0.00	28.15 -0.34 -0.13
STA_82___115KV_TB1 80780	2.32 -0.06 0.00	10.04 -0.29 -0.07	13.55 -0.44 -0.07	17.86 -0.54 0.00	19.16 -0.52 0.00	20.66 -0.58 0.00	13.23 -0.31 0.00	13.91 -0.19 0.00	16.88 -0.09 0.00	21.12 -0.03 0.00	31.14 -0.07 0.00	34.52 -0.09 0.00	35.48 -0.50 0.00	36.47 -0.83 0.00	37.39 -0.74 0.07	29.84 -0.51 0.00	33.58 -0.49 0.00	56.86 -0.77 0.00	46.74 -0.82 0.00	39.36 -0.50 0.00	32.13 -0.33 0.00	30.68 -0.36 0.00	20.14 -0.33 0.00	27.91 -0.59 -0.13
STEEL___WIND 323596	2.26 -0.12 0.00	9.80 -0.56 -0.10	13.26 -0.75 -0.10	17.51 -0.88 0.00	18.85 -0.83 0.00	20.29 -0.94 0.00	12.98 -0.56 0.00	13.69 -0.40 0.00	16.68 -0.29 0.00	20.92 -0.23 0.00	30.81 -0.40 0.00	34.20 -0.41 0.00	34.94 -1.04 0.00	35.79 -1.51 0.00	37.85 -1.30 -0.96	29.47 -0.88 0.00	33.23 -0.85 0.00	56.09 -1.53 0.00	45.89 -1.67 0.00	38.79 -1.06 0.00	31.63 -0.83 0.00	30.18 -0.86 0.00	19.88 -0.58 0.00	27.61 -0.94 -0.17
STEPHTWN_115KV_BK_2 55603	7.33 0.12 -4.83	16.00 0.49 -5.25	15.32 0.58 -0.82	19.22 0.83 0.00	20.53 0.85 0.00	22.13 0.90 0.00	14.19 0.65 0.00	14.76 0.66 0.00	17.74 0.76 0.00	22.03 0.88 0.00	32.64 1.43 0.00	36.11 1.50 0.00	37.56 1.58 0.00	38.99 1.69 0.00	40.32 1.76 -0.36	34.03 1.40 -2.28	39.80 1.31 -4.42	62.09 2.22 -2.26	52.57 1.80 -3.21	41.17 1.32 0.00	33.60 1.14 0.00	32.24 1.19 0.00	21.73 0.91 -0.36	31.24 1.42 -1.44
STEUBEN_REC_LFGE 323667	2.23 -0.14 0.00	9.92 -0.47 -0.13	13.35 -0.70 -0.13	17.66 -0.74 0.00	19.18 -0.50 0.00	20.74 -0.52 -0.02	13.25 -0.29 0.00	14.06 -0.03 0.00	17.15 0.18 0.00	21.62 0.43 -0.04	32.27 0.65 -0.41	36.15 0.92 -0.62	37.20 0.55 -0.67	38.35 0.33 -0.71	39.94 0.69 -1.05	31.19 0.46 -0.38	35.17 0.55 -0.55	60.29 0.90 -1.77	49.34 0.34 -1.44	41.24 0.35 -1.04	33.53 0.40 -0.67	32.01 0.37 -0.59	20.76 0.25 -0.05	29.16 0.13 -0.66
STILLWATER___SOLAR 323814	7.11 0.16 -4.58	15.94 0.63 -5.05	15.63 0.87 -0.85	19.53 1.14 0.00	20.89 1.21 0.00	22.52 1.29 0.00	14.42 0.88 0.00	15.03 0.93 0.00	18.03 1.05 0.00	22.36 1.21 0.00	33.00 1.80 0.00	36.63 2.02 0.00	38.41 2.42 0.00	39.82 2.52 0.00	40.84 2.30 -0.34	34.24 1.77 -2.13	40.16 1.95 -4.13	63.31 3.58 -2.11	53.65 3.08 -3.01	42.33 2.49 0.00	34.52 2.06 0.00	33.10 2.05 0.00	22.18 1.37 -0.34	31.69 1.83 -1.49
STONY___BROOK 24151	50.62 0.35 -47.89	68.88 1.19 -57.42	48.13 1.53 -32.69	49.23 1.92 -28.92	64.54 1.97 -42.88	32.43 2.22 -8.98	48.76 1.48 -33.75	76.10 1.70 -60.31	40.57 2.03 -21.57	62.38 2.53 -38.69	53.38 3.95 -18.22	55.78 4.33 -16.84	44.88 4.46 -4.44	94.89 4.83 -52.75	99.78 4.95 -56.63	250.60 3.63 -216.63	290.04 3.86 -252.11	326.55 6.05 -262.88	364.53 5.07 -311.89	104.62 4.04 -60.74	53.72 3.31 -17.94	53.09 3.25 -18.80	40.46 2.08 -17.92	41.72 3.38 -9.96
STURGEON_POOL_HYD 23609	2.60 0.22 0.00	11.70 0.77 -0.67	15.58 0.99 -0.67	19.65 1.25 0.00	20.95 1.27 0.00	22.68 1.45 0.00	14.49 0.95 0.00	15.18 1.08 0.00	18.30 1.33 0.00	22.90 1.75 0.00	34.03 2.82 0.00	37.86 3.25 0.00	39.54 3.56 0.00	41.13 3.82 0.00	42.68 3.95 -0.53	37.32 2.86 -4.12	42.74 3.10 -5.56	64.43 4.70 -2.12	54.37 3.80 -3.01	42.88 3.03 0.00	34.83 2.37 0.00	33.37 2.33 0.00	21.88 1.56 0.14	31.71 2.16 -1.17
ST_LAW_115_BK7_LBMP 345037	-1.29 -0.11 3.56	5.78 -0.36 4.11	9.07 -0.47 4.38	14.84 -0.59 2.97	19.11 -0.58 0.00	20.63 -0.60 0.00	13.05 -0.49 0.00	13.55 -0.54 0.00	16.29 -0.68 0.00	20.32 -0.83 0.00	29.85 -1.36 0.00	33.10 -1.51 0.00	20.96 -1.71 13.31	12.18 -1.67 23.45	36.52 -1.68 0.00	52.40 -1.20 -23.25	32.88 -1.19 0.00	55.61 -2.01 0.00	46.13 -1.43 0.00	38.78 -1.07 0.00	31.56 -0.90 0.00	30.14 -0.90 0.00	19.82 -0.64 0.00	27.51 -0.87 0.00
ST_LAW_115_BK8_LBMP 345038	-1.29 -0.11 3.56	5.78 -0.36 4.11	9.07 -0.47 4.38	14.84 -0.59 2.97	19.11 -0.58 0.00	20.63 -0.60 0.00	13.05 -0.49 0.00	13.55 -0.54 0.00	16.29 -0.68 0.00	20.32 -0.83 0.00	29.85 -1.36 0.00	33.10 -1.51 0.00	20.96 -1.71 13.31	12.18 -1.67 23.45	36.52 -1.68 0.00	52.40 -1.20 -23.25	32.88 -1.19 0.00	55.61 -2.01 0.00	46.13 -1.43 0.00	38.78 -1.07 0.00	31.56 -0.90 0.00	30.14 -0.90 0.00	19.82 -0.64 0.00	27.51 -0.87 0.00

ST_LAW_230_BK5_LBMP 345035	-0.39 -0.10 2.67	6.83 -0.34 3.09	10.19 -0.44 3.29	15.60 -0.54 2.26	19.16 -0.53 0.00	20.68 -0.55 0.00	13.09 -0.45 0.00	13.59 -0.50 0.00	16.34 -0.63 0.00	20.38 -0.77 0.00	29.94 -1.27 0.00	33.21 -1.40 0.00	20.83 -1.58 13.57	11.84 -1.55 23.92	36.64 -1.55 0.00	42.71 -1.10 -13.46	32.97 -1.11 0.00	55.79 -1.83 0.00	46.23 -1.33 0.00	38.86 -0.99 0.00	31.63 -0.83 0.00	30.20 -0.84 0.00	19.87 -0.59 0.00	27.57 -0.80 0.00
ST_LAW_230_BK6_LBMP 345036	-0.39 -0.10 2.67	6.83 -0.34 3.09	10.19 -0.44 3.29	15.60 -0.54 2.26	19.16 -0.53 0.00	20.68 -0.55 0.00	13.09 -0.45 0.00	13.59 -0.50 0.00	16.34 -0.63 0.00	20.38 -0.77 0.00	29.94 -1.27 0.00	33.21 -1.40 0.00	20.83 -1.58 13.57	11.84 -1.55 23.92	36.64 -1.55 0.00	42.71 -1.10 -13.46	32.97 -1.11 0.00	55.79 -1.83 0.00	46.23 -1.33 0.00	38.86 -0.99 0.00	31.63 -0.83 0.00	30.20 -0.84 0.00	19.87 -0.59 0.00	27.57 -0.80 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	-27.46 0.20 30.04	-15.97 0.70 26.92	15.40 0.90 -0.59	19.52 1.13 0.00	20.83 1.14 0.00	22.53 1.29 0.00	14.39 0.85 0.00	15.06 0.96 0.00	18.14 1.17 0.00	22.65 1.49 0.00	33.60 2.39 0.00	37.31 2.70 0.00	38.96 2.97 0.00	40.50 3.19 0.00	45.56 3.29 -4.07	48.08 2.41 -15.32	83.45 2.57 -46.81	86.03 4.14 -24.27	75.75 3.32 -24.88	35.43 2.61 7.03	25.52 2.05 8.99	26.22 1.97 6.79	6.38 1.35 15.43	28.49 1.97 1.86
SWANROAD_115KV_TB1 355699	2.19 -0.18 0.00	9.50 -0.86 -0.09	12.81 -1.20 -0.09	16.91 -1.49 0.00	18.22 -1.47 0.00	19.61 -1.62 0.00	12.53 -1.02 0.00	13.20 -0.90 0.00	16.05 -0.92 0.00	20.12 -1.03 0.00	29.53 -1.68 0.00	32.71 -1.90 0.00	33.33 -2.64 0.00	34.08 -3.23 0.00	35.24 -3.16 -0.20	28.09 -2.27 -0.01	31.70 -2.38 -0.01	53.56 -4.07 -0.01	43.83 -3.74 -0.02	37.17 -2.68 0.00	30.42 -2.04 0.00	29.10 -1.94 0.00	19.15 -1.31 0.00	26.59 -1.94 -0.16
SYNERGY___BIOGAS 323694	2.32 -0.06 0.00	10.04 -0.30 -0.08	13.55 -0.45 -0.08	17.87 -0.52 0.00	19.23 -0.45 0.00	20.74 -0.50 0.00	13.30 -0.24 0.00	14.04 -0.05 0.00	17.11 0.14 0.00	21.43 0.28 0.00	31.54 0.33 0.00	34.93 0.32 0.00	35.69 -0.29 0.00	36.44 -0.86 0.00	37.62 -0.69 -0.11	29.96 -0.40 -0.01	33.64 -0.45 -0.01	56.86 -0.78 -0.02	46.76 -0.83 -0.03	39.64 -0.21 0.00	32.44 -0.02 0.00	31.02 -0.03 0.00	20.34 -0.12 0.00	28.13 -0.39 -0.15
SYRACUSE___ENERGY_ST1 323597	2.38 0.00 0.00	10.29 -0.02 -0.06	13.93 -0.04 -0.06	18.30 -0.06 0.03	19.59 -0.09 0.00	21.21 -0.11 -0.08	13.57 0.03 0.00	14.17 0.08 0.00	17.12 0.15 0.00	21.48 0.20 -0.13	33.07 0.33 -1.53	37.23 0.38 -2.24	38.81 0.35 -2.47	40.23 0.28 -2.64	41.49 0.39 -2.90	27.66 0.29 2.98	36.41 0.32 -2.01	64.65 0.54 -6.49	53.17 0.33 -5.28	43.95 0.28 -3.82	35.14 0.21 -2.46	33.33 0.13 -2.16	20.70 0.06 -0.18	30.04 0.00 -1.67
SYRACUSE___ENERGY_ST2 323598	2.38 0.00 0.00	10.29 -0.02 -0.06	13.93 -0.04 -0.06	18.30 -0.06 0.03	19.59 -0.09 0.00	21.21 -0.11 -0.08	13.57 0.03 0.00	14.17 0.08 0.00	17.12 0.15 0.00	21.48 0.20 -0.13	33.07 0.33 -1.53	37.23 0.38 -2.24	38.81 0.35 -2.47	40.23 0.28 -2.64	41.49 0.39 -2.90	27.66 0.29 2.98	36.41 0.32 -2.01	64.65 0.54 -6.49	53.17 0.33 -5.28	43.95 0.28 -3.82	35.14 0.21 -2.46	33.33 0.13 -2.16	20.70 0.06 -0.18	30.04 0.00 -1.67
SYRACUSE___POWER 24017	2.38 0.00 0.00	10.26 -0.05 -0.05	13.89 -0.08 -0.05	18.25 -0.11 0.03	19.55 -0.14 0.00	21.13 -0.16 -0.05	13.53 -0.01 0.00	14.13 0.04 0.00	17.08 0.11 0.00	21.40 0.16 -0.09	32.51 0.27 -1.03	36.46 0.33 -1.52	37.97 0.31 -1.67	39.33 0.24 -1.79	40.51 0.36 -1.96	26.92 0.25 3.68	35.70 0.26 -1.37	62.48 0.44 -4.42	51.40 0.24 -3.59	42.64 0.19 -2.60	34.28 0.14 -1.68	32.60 0.09 -1.47	20.61 0.02 -0.12	29.47 -0.07 -1.16
TALLMAN___138KV_BK151 55660	-38.16 0.22 40.76	-25.69 0.77 36.72	15.52 0.99 -0.61	19.64 1.25 0.00	20.94 1.25 0.00	22.66 1.42 0.00	14.46 0.93 0.00	15.15 1.05 0.00	18.24 1.27 0.00	22.79 1.64 0.00	33.85 2.64 0.00	37.60 2.99 0.00	39.28 3.30 0.00	40.85 3.54 0.00	44.72 3.59 -2.94	37.65 2.59 -4.72	69.15 2.80 -32.28	79.24 4.47 -17.15	62.86 3.57 -11.73	33.43 2.79 9.21	22.87 2.19 11.78	24.28 2.13 8.90	1.85 1.44 20.05	27.78 2.13 2.72
TEALLAVE_115KV_TB7 355573	2.37 -0.01 0.00	10.23 -0.08 -0.05	13.84 -0.13 -0.05	18.18 -0.18 0.03	19.48 -0.21 0.00	21.05 -0.23 -0.04	13.48 -0.06 0.00	14.08 -0.01 0.00	17.02 0.05 0.00	21.30 0.08 -0.07	32.20 0.15 -0.84	36.04 0.20 -1.24	37.51 0.17 -1.36	38.85 0.09 -1.45	39.98 0.19 -1.60	26.06 0.12 4.40	35.30 0.10 -1.12	61.46 0.21 -3.63	50.56 0.05 -2.95	42.01 0.03 -2.14	33.86 0.02 -1.38	32.22 -0.03 -1.21	20.51 -0.05 -0.10	29.17 -0.16 -0.97
TELGRAPH_34_KV_EAST 80808	2.26 -0.12 0.00	9.76 -0.59 -0.09	13.18 -0.83 -0.09	17.39 -1.00 0.00	18.72 -0.97 0.00	20.17 -1.07 0.00	12.91 -0.63 0.00	13.62 -0.48 0.00	16.58 -0.40 0.00	20.77 -0.39 0.00	30.53 -0.68 0.00	33.79 -0.82 0.00	34.44 -1.54 0.00	35.22 -2.08 0.00	36.40 -1.97 -0.17	28.97 -1.39 -0.02	32.68 -1.41 -0.02	55.25 -2.39 -0.03	45.31 -2.29 -0.04	38.38 -1.47 0.00	31.41 -1.05 0.00	30.03 -1.01 0.00	19.72 -0.74 0.00	27.33 -1.19 -0.15
TEMPLE___115KV_TB 2 55572	2.37 -0.01 0.00	10.23 -0.08 -0.05	13.85 -0.12 -0.05	18.20 -0.16 0.03	19.49 -0.19 0.00	21.06 -0.21 -0.04	13.49 -0.05 0.00	14.09 0.00 0.00	17.04 0.07 0.00	21.32 0.10 -0.07	32.23 0.17 -0.84	36.07 0.23 -1.23	37.54 0.20 -1.36	38.88 0.13 -1.45	40.02 0.23 -1.59	26.20 0.15 4.29	35.33 0.14 -1.12	61.49 0.26 -3.62	50.58 0.08 -2.94	42.03 0.05 -2.13	33.86 0.02 -1.38	32.23 -0.01 -1.20	20.52 -0.04 -0.10	29.19 -0.15 -0.96
TIANA___69_KV_BK 1 55817	50.62 0.35 -47.89	68.92 1.24 -57.42	48.18 1.57 -32.69	49.34 2.03 -28.92	64.77 2.20 -42.88	32.71 2.50 -8.97	48.95 1.67 -33.74	74.40 1.94 -58.37	40.82 2.28 -21.57	57.64 2.86 -33.63	53.64 4.52 -17.91	56.36 4.91 -16.84	45.55 5.13 -4.44	95.49 5.43 -52.75	100.32 5.50 -56.63	217.49 4.11 -183.03	240.51 4.44 -201.99	300.12 7.22 -235.28	273.25 6.11 -219.58	85.31 4.64 -40.81	52.31 3.75 -16.09	53.55 3.71 -18.79	40.74 2.36 -17.92	41.96 3.63 -9.96
TILDEN___115KV_TB1 80814	2.38 0.00 0.00	10.26 -0.05 -0.05	13.89 -0.08 -0.05	18.25 -0.11 0.03	19.55 -0.14 0.00	21.13 -0.16 -0.05	13.53 -0.01 0.00	14.13 0.04 0.00	17.08 0.11 0.00	21.40 0.16 -0.09	32.51 0.27 -1.03	36.46 0.33 -1.52	37.97 0.31 -1.67	39.33 0.24 -1.79	40.51 0.36 -1.96	26.92 0.25 3.68	35.70 0.26 -1.37	62.48 0.44 -4.42	51.40 0.24 -3.59	42.64 0.19 -2.60	34.28 0.14 -1.68	32.60 0.09 -1.47	20.61 0.02 -0.12	29.47 -0.07 -1.16
TRIGEN___CC 323695	50.56 0.29 -47.89	68.71 1.03 -57.42	47.93 1.32 -32.69	49.01 1.69 -28.92	64.30 1.73 -42.88	32.15 1.94 -8.97	48.55 1.27 -33.74	47.26 1.42 -31.75	40.24 1.70 -21.57	39.01 2.13 -15.73	51.43 3.39 -16.82	55.22 3.77 -16.84	44.39 3.97 -4.44	94.35 4.29 -52.75	99.20 4.40 -56.61	122.45 3.23 -88.88	212.83 3.50 -175.25	307.77 5.62 -244.53	100.05 4.57 -47.93	49.90 3.58 -6.46	45.43 2.82 -10.14	52.60 2.78 -18.78	40.22 1.84 -17.92	41.06 2.73 -9.96

TRINITY__115KV__4 BK 55933	7.32 0.10 -4.83	15.92 0.41 -5.25	15.27 0.53 -0.82	19.09 0.69 0.00	20.40 0.71 0.00	21.97 0.73 0.00	14.07 0.53 0.00	14.64 0.55 0.00	17.58 0.61 0.00	21.87 0.72 0.00	32.39 1.18 0.00	35.76 1.15 0.00	37.33 1.35 0.00	38.71 1.40 0.00	39.83 1.28 -0.36	33.61 0.99 -2.27	39.38 0.91 -4.40	61.37 1.50 -2.25	51.95 1.19 -3.20	40.79 0.94 0.00	33.32 0.86 0.00	32.00 0.96 0.00	21.57 0.75 -0.36	30.89 1.07 -1.44
UNION__PROCESSING_DRP 323587	2.32 -0.06 0.00	10.04 -0.29 -0.07	13.55 -0.44 -0.07	17.86 -0.54 0.00	19.17 -0.52 0.00	20.66 -0.57 0.00	13.24 -0.30 0.00	13.91 -0.18 0.00	16.88 -0.09 0.00	21.13 -0.02 0.00	31.16 -0.05 0.00	34.53 -0.08 0.00	35.50 -0.48 0.00	36.48 -0.82 0.00	37.41 -0.72 0.07	29.86 -0.49 0.00	33.60 -0.48 0.00	56.88 -0.74 0.00	46.76 -0.80 0.00	39.37 -0.49 0.00	32.14 -0.33 0.00	30.69 -0.35 0.00	20.14 -0.32 0.00	27.92 -0.58 -0.13
UPPER HUDSON__HYD 24058	6.97 0.13 -4.46	15.75 0.55 -4.94	15.57 0.80 -0.85	19.47 1.07 0.00	20.84 1.15 0.00	22.48 1.24 0.00	14.41 0.87 0.00	15.04 0.95 0.00	18.07 1.10 0.00	22.36 1.21 0.00	32.82 1.60 0.00	36.50 1.89 0.00	38.30 2.32 0.00	39.59 2.29 0.00	40.64 2.12 -0.33	33.92 1.50 -2.07	39.74 1.64 -4.02	63.05 3.37 -2.06	53.78 3.29 -2.93	42.45 2.60 0.00	34.71 2.25 0.00	33.25 2.20 0.00	22.23 1.44 -0.33	31.67 1.80 -1.50
UPPER RAQUET__HYD 24056	-10.08 -0.22 12.24	-4.83 -0.72 14.38	-2.36 -0.96 15.31	5.11 -1.25 12.04	18.45 -1.23 0.00	19.98 -1.27 -0.01	12.67 -0.87 0.00	13.25 -0.85 0.00	15.90 -1.08 0.00	19.81 -1.37 -0.02	29.32 -2.18 -0.28	32.62 -2.40 -0.42	23.13 -2.62 10.23	16.38 -2.58 18.34	36.00 -2.73 -0.54	-147.59 -2.20 175.74	32.31 -2.20 -0.44	55.41 -3.71 -1.50	46.26 -2.51 -1.22	38.89 -1.85 -0.88	31.53 -1.48 -0.55	30.05 -1.47 -0.48	19.42 -1.08 -0.04	27.10 -1.62 -0.35
VALLEY44_115KV_TB2 355964	2.27 -0.11 0.00	9.97 -0.40 -0.11	13.55 -0.48 -0.11	17.87 -0.52 0.00	19.23 -0.46 0.00	20.73 -0.51 0.00	13.24 -0.30 0.00	13.93 -0.16 0.00	16.96 -0.01 0.00	21.28 0.13 0.00	31.27 0.05 0.00	34.69 0.08 0.00	35.48 -0.50 0.00	36.47 -0.84 0.00	38.33 -0.55 -0.69	29.84 -0.51 0.00	33.58 -0.50 0.00	56.74 -0.88 0.00	46.19 -1.37 0.00	38.92 -0.93 0.00	31.64 -0.82 0.00	30.22 -0.82 0.00	19.97 -0.49 0.00	27.96 -0.61 -0.20
VALLEY__115KV_TB 1-4 80826	4.97 0.08 -2.52	13.49 0.31 -2.92	17.44 0.41 -3.11	21.13 0.54 -2.20	20.23 0.54 0.00	21.79 0.56 0.00	13.94 0.41 0.00	14.50 0.40 0.00	17.36 0.39 0.00	21.59 0.43 0.00	32.00 0.79 0.00	35.66 1.05 0.00	37.86 1.18 -0.70	39.62 1.09 -1.23	39.33 1.14 0.00	28.19 0.86 3.02	34.99 0.92 0.00	59.46 1.84 0.00	49.09 1.54 0.00	41.05 1.20 0.00	33.47 1.01 0.00	32.03 0.98 0.00	21.14 0.68 0.00	29.28 0.90 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	2.52 0.14 0.00	11.04 0.52 -0.26	14.88 0.70 -0.26	19.31 0.91 0.00	20.62 0.93 0.00	22.24 0.99 -0.01	14.24 0.70 0.00	14.81 0.71 0.00	17.88 0.91 0.00	22.21 1.04 -0.02	33.19 1.68 -0.30	37.89 2.63 -0.64	38.62 2.22 -0.41	40.01 2.26 -0.44	41.10 2.37 -0.54	32.56 1.86 -0.35	36.53 2.05 -0.41	62.15 3.44 -1.09	51.21 2.77 -0.89	42.73 2.24 -0.64	34.68 1.80 -0.41	33.10 1.69 -0.36	21.60 1.11 -0.03	30.57 1.49 -0.71
VISCHER__FERRY HYD 24020	7.43 0.15 -4.90	16.14 0.55 -5.33	15.49 0.74 -0.84	19.36 0.97 0.00	20.70 1.01 0.00	22.30 1.07 0.00	14.27 0.74 0.00	14.88 0.78 0.00	17.86 0.89 0.00	22.19 1.04 0.00	32.78 1.57 0.00	36.32 1.71 0.00	37.97 1.99 0.00	39.39 2.08 0.00	40.46 1.90 -0.36	34.05 1.40 -2.30	40.02 1.49 -4.45	62.51 2.61 -2.28	52.98 2.17 -3.25	41.62 1.76 0.00	33.93 1.47 0.00	32.58 1.53 0.00	21.91 1.08 -0.37	31.31 1.48 -1.46
V_A_10_SYNC_DSASP 323832	2.24 -0.14 0.00	9.73 -0.61 -0.08	13.15 -0.85 -0.08	17.35 -1.05 0.00	18.64 -1.04 0.00	20.08 -1.16 0.00	12.83 -0.70 0.00	13.50 -0.60 0.00	16.40 -0.58 0.00	20.54 -0.61 0.00	30.22 -0.98 0.00	33.49 -1.12 0.00	34.29 -1.69 0.00	35.15 -2.16 0.00	35.86 -2.08 0.26	28.85 -1.50 0.00	32.50 -1.58 0.00	54.88 -2.73 0.00	44.98 -2.57 0.00	37.96 -1.89 0.00	31.06 -1.40 0.00	29.71 -1.34 0.00	19.54 -0.92 0.00	27.14 -1.38 -0.14
V_CMM_10_SYNC_DSASP 323787	-1.28 -0.09 3.56	5.83 -0.32 4.11	9.13 -0.40 4.38	14.92 -0.50 2.97	19.19 -0.49 0.00	20.72 -0.51 0.00	13.11 -0.43 0.00	13.62 -0.48 0.00	16.37 -0.60 0.00	20.42 -0.73 0.00	30.01 -1.20 0.00	33.28 -1.33 0.00	21.15 -1.52 13.31	12.37 -1.49 23.45	36.71 -1.48 0.00	52.55 -1.05 -23.25	33.06 -1.02 0.00	55.99 -1.63 0.00	46.39 -1.17 0.00	38.98 -0.88 0.00	31.72 -0.74 0.00	30.30 -0.75 0.00	19.92 -0.54 0.00	27.64 -0.74 0.00
V_CMP_10_SYNC_DSASP 323788	-1.28 -0.16 3.50	5.73 -0.46 4.07	9.08 -0.51 4.33	14.80 -0.52 3.08	19.31 -0.38 0.00	20.94 -0.30 0.00	13.25 -0.29 0.00	13.78 -0.31 0.00	16.46 -0.51 0.00	20.41 -0.74 0.00	29.48 -1.73 0.00	32.79 -1.82 0.00	20.65 -2.01 13.32	11.75 -2.08 23.48	35.97 -2.22 0.00	28.69 -1.65 0.00	32.43 -1.65 0.00	55.91 -1.71 0.00	46.21 -1.35 0.00	38.60 -1.26 0.00	31.41 -1.05 0.00	30.27 -0.78 0.00	20.23 -0.23 0.00	28.08 -0.29 0.00
V_D_10_SYNC_DSASP 323841	-2.67 -0.11 4.94	4.21 -0.34 5.70	7.40 -0.45 6.07	13.76 -0.56 4.08	19.15 -0.54 0.00	20.68 -0.55 0.00	13.08 -0.46 0.00	13.60 -0.50 0.00	16.32 -0.65 0.00	20.35 -0.80 0.00	29.90 -1.31 0.00	33.16 -1.45 0.00	21.42 -1.66 12.90	12.96 -1.60 22.74	36.56 -1.64 0.00	67.59 -1.18 -38.42	32.95 -1.13 0.00	55.27 -2.35 0.00	46.24 -1.32 0.00	38.96 -0.90 0.00	31.72 -0.75 0.00	30.28 -0.77 0.00	19.91 -0.56 0.00	27.60 -0.77 0.00
V_E_10_SYNC_DSASP 323830	2.54 0.17 0.00	11.18 0.73 -0.19	15.10 1.00 -0.19	19.65 1.25 0.00	20.83 1.14 0.00	22.58 1.32 -0.03	14.54 1.00 0.00	15.19 1.10 0.00	18.52 1.55 0.00	23.37 2.16 -0.05	35.13 3.32 -0.60	39.22 3.65 -0.96	40.29 3.34 -0.96	41.85 3.51 -1.03	43.35 3.96 -1.20	34.22 3.32 -0.55	38.67 3.81 -0.78	66.91 6.77 -2.53	55.36 5.74 -2.06	46.05 4.71 -1.49	37.13 3.71 -0.96	35.27 3.38 -0.84	22.59 2.06 -0.07	31.91 2.59 -0.94
V_F_30_NSYNC__DSASP 323816	7.07 0.16 -4.52	15.90 0.64 -5.00	15.65 0.88 -0.85	19.55 1.15 0.00	20.90 1.22 0.00	22.54 1.30 0.00	14.43 0.89 0.00	15.05 0.95 0.00	18.06 1.08 0.00	22.41 1.26 0.00	33.09 1.88 0.00	36.74 2.13 0.00	38.49 2.51 0.00	39.86 2.56 0.00	40.92 2.39 -0.33	34.29 1.84 -2.10	40.18 2.02 -4.08	63.40 3.69 -2.09	53.70 3.17 -2.98	42.40 2.55 0.00	34.57 2.11 0.00	33.13 2.08 0.00	22.19 1.40 -0.34	31.72 1.86 -1.49
V_F_30_SYNC_DSASP 323786	7.26 0.12 -4.77	15.92 0.46 -5.20	15.34 0.60 -0.83	19.17 0.77 0.00	20.48 0.80 0.00	22.06 0.83 0.00	14.13 0.59 0.00	14.71 0.62 0.00	17.68 0.71 0.00	22.00 0.84 0.00	32.59 1.38 0.00	36.00 1.39 0.00	37.58 1.60 0.00	38.97 1.66 0.00	40.07 1.52 -0.35	33.77 1.19 -2.23	39.55 1.14 -4.33	61.72 1.88 -2.22	52.19 1.48 -3.16	41.03 1.18 0.00	33.52 1.06 0.00	32.18 1.13 0.00	21.68 0.86 -0.35	31.04 1.22 -1.46



V_XM10_SYNC_DSASP 323789	-1.28 -0.16 3.50	5.73 -0.46 4.07	9.08 -0.51 4.33	14.80 -0.52 3.08	19.31 -0.38 0.00	20.94 -0.30 0.00	13.25 -0.29 0.00	13.78 -0.31 0.00	16.46 -0.51 0.00	20.41 -0.74 0.00	29.48 -1.73 0.00	32.79 -1.82 0.00	20.65 -2.01 13.32	11.75 -2.08 23.48	35.97 -2.22 0.00	28.69 -1.65 0.00	32.43 -1.65 0.00	55.91 -1.71 0.00	46.21 -1.35 0.00	38.60 -1.26 0.00	31.41 -1.05 0.00	30.27 -0.78 0.00	20.23 -0.23 0.00	28.08 -0.29 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	-40.89 0.23 43.50	-28.15 0.81 39.22	15.58 1.05 -0.61	19.71 1.32 0.00	21.01 1.33 0.00	22.74 1.50 0.00	14.51 0.98 0.00	15.21 1.11 0.00	18.31 1.34 0.00	22.87 1.72 0.00	33.97 2.76 0.00	37.74 3.13 0.00	39.42 3.44 0.00	40.99 3.69 0.00	44.43 3.74 -2.49	34.72 2.70 -1.67	63.79 2.93 -26.79	76.65 4.67 -14.36	58.84 3.74 -7.54	33.42 2.94 9.37	22.80 2.32 11.98	24.24 2.24 9.05	1.53 1.51 20.44	27.81 2.21 2.78
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	31.81 0.27 -29.17	38.57 0.95 -27.36	15.76 1.20 -0.64	19.92 1.52 0.00	21.21 1.52 0.00	22.97 1.74 0.00	14.68 1.14 0.00	15.39 1.29 0.00	18.53 1.56 0.00	23.14 1.99 0.00	34.41 3.20 0.00	38.16 3.55 0.00	39.75 3.76 0.00	41.30 4.00 0.00	43.89 4.03 -1.67	54.83 2.89 -21.59	58.20 3.12 -21.01	71.76 4.99 -9.14	73.41 4.12 -21.73	49.42 3.24 -6.33	43.11 2.56 -8.10	39.62 2.46 -6.11	36.25 1.67 -14.12	34.60 2.48 -3.75
W50THST__13_KV_LOAD 356117	31.83 0.28 -29.17	38.64 1.01 -27.36	15.87 1.31 -0.64	20.05 1.65 0.00	21.34 1.66 0.00	23.11 1.88 0.00	14.77 1.23 0.00	15.50 1.41 0.00	18.66 1.70 0.00	23.33 2.17 0.00	34.71 3.50 0.00	38.52 3.91 0.00	40.08 4.10 0.00	41.64 4.33 0.00	44.24 4.37 -1.67	55.11 3.17 -21.59	58.51 3.43 -21.01	72.27 5.51 -9.14	73.82 4.53 -21.73	49.74 3.56 -6.33	43.36 2.81 -8.10	39.83 2.68 -6.11	36.38 1.80 -14.12	34.78 2.66 -3.75
WADING RIVER_IC_1 23522	50.59 0.32 -47.89	68.80 1.11 -57.42	48.02 1.41 -32.69	49.10 1.78 -28.92	64.45 1.88 -42.88	32.35 2.14 -8.98	48.72 1.43 -33.75	74.24 1.69 -58.45	40.50 1.96 -21.57	57.18 2.46 -33.57	53.03 3.92 -17.91	55.72 4.27 -16.84	44.86 4.44 -4.44	94.79 4.73 -52.75	99.62 4.80 -56.63	216.50 3.55 -182.60	238.93 3.83 -201.02	298.59 6.29 -234.68	270.79 5.46 -217.77	84.31 4.02 -40.44	51.82 3.28 -16.07	53.07 3.23 -18.79	40.43 2.05 -17.92	41.55 3.21 -9.96
WADING RIVER_IC_2 23547	50.59 0.32 -47.89	68.80 1.11 -57.42	48.02 1.41 -32.69	49.10 1.78 -28.92	64.45 1.88 -42.88	32.35 2.14 -8.98	48.72 1.43 -33.75	74.24 1.69 -58.45	40.50 1.96 -21.57	57.18 2.46 -33.57	53.03 3.92 -17.91	55.72 4.27 -16.84	44.86 4.44 -4.44	94.79 4.73 -52.75	99.62 4.80 -56.63	216.50 3.55 -182.60	238.93 3.83 -201.02	298.59 6.29 -234.68	270.79 5.46 -217.77	84.31 4.02 -40.44	51.82 3.28 -16.07	53.07 3.23 -18.79	40.43 2.05 -17.92	41.55 3.21 -9.96
WADING RIVER_IC_3 23601	50.59 0.32 -47.89	68.80 1.11 -57.42	48.02 1.41 -32.69	49.10 1.78 -28.92	64.45 1.88 -42.88	32.35 2.14 -8.98	48.72 1.43 -33.75	74.24 1.69 -58.45	40.50 1.96 -21.57	57.18 2.46 -33.57	53.03 3.92 -17.91	55.72 4.27 -16.84	44.86 4.44 -4.44	94.79 4.73 -52.75	99.62 4.80 -56.63	216.50 3.55 -182.60	238.93 3.83 -201.02	298.59 6.29 -234.68	270.79 5.46 -217.77	84.31 4.02 -40.44	51.82 3.28 -16.07	53.07 3.23 -18.79	40.43 2.05 -17.92	41.55 3.21 -9.96
WALDENNY_12_KV_BK2 80841	2.27 -0.11 0.00	9.81 -0.55 -0.10	13.26 -0.75 -0.10	17.50 -0.89 0.00	18.85 -0.83 0.00	20.30 -0.93 0.00	12.99 -0.55 0.00	13.70 -0.40 0.00	16.69 -0.28 0.00	20.95 -0.20 0.00	30.83 -0.38 0.00	34.23 -0.38 0.00	34.94 -1.04 0.00	35.81 -1.50 0.00	37.75 -1.32 -0.87	29.46 -0.89 0.00	33.25 -0.82 0.00	56.17 -1.45 0.00	45.95 -1.61 0.00	38.87 -0.99 0.00	31.68 -0.78 0.00	30.24 -0.81 0.00	19.90 -0.57 0.00	27.62 -0.93 -0.17
WALDEN__HYDRO 24148	-6.12 0.21 8.71	3.66 0.75 7.36	15.51 0.98 -0.62	19.63 1.23 0.00	20.93 1.24 0.00	22.64 1.41 0.00	14.47 0.94 0.00	15.15 1.05 0.00	18.24 1.27 0.00	22.81 1.66 0.00	33.82 2.61 0.00	37.56 2.95 0.00	39.21 3.23 0.00	40.78 3.48 0.00	42.76 3.66 -0.91	36.34 2.67 -3.31	46.32 2.88 -9.37	66.68 4.61 -4.45	54.67 3.75 -3.36	40.68 2.99 2.16	32.04 2.35 2.77	31.23 2.27 2.09	17.24 1.55 4.77	30.74 2.18 -0.19
WARRENSBURG____ 23737	6.97 0.13 -4.46	15.75 0.55 -4.94	15.57 0.80 -0.85	19.47 1.07 0.00	20.84 1.15 0.00	22.48 1.24 0.00	14.41 0.87 0.00	15.04 0.95 0.00	18.07 1.10 0.00	22.36 1.21 0.00	32.82 1.60 0.00	36.50 1.89 0.00	38.30 2.32 0.00	39.59 2.29 0.00	40.64 2.12 -0.33	33.92 1.50 -2.07	39.74 1.64 -4.02	63.05 3.37 -2.06	53.78 3.29 -2.93	42.45 2.60 0.00	34.71 2.25 0.00	33.25 2.20 0.00	22.23 1.44 -0.33	31.67 1.80 -1.50
WATERSIDE____6 8 9 23538	24.56 0.29 -21.88	37.25 0.98 -26.02	15.81 1.25 -0.64	19.96 1.57 0.00	21.25 1.56 0.00	23.03 1.80 0.00	14.69 1.16 0.00	15.40 1.31 0.00	18.48 1.51 0.00	23.05 1.90 0.00	34.35 3.14 0.00	38.02 3.41 0.00	39.55 3.57 0.00	41.08 3.81 0.04	42.96 3.82 -0.94	57.10 2.72 -24.03	57.99 2.91 -21.00	72.13 4.71 -9.80	83.43 3.89 -31.98	55.75 3.08 -12.82	47.91 2.42 -13.03	42.64 2.34 -9.26	36.34 1.60 -14.28	30.25 2.43 0.55
WATKINRD_115KV_LN8_ILLION 55919	4.96 0.06 -2.52	13.42 0.23 -2.92	17.34 0.31 -3.11	20.99 0.40 -2.20	20.08 0.39 0.00	21.64 0.41 0.00	13.84 0.30 0.00	14.40 0.31 0.00	17.28 0.30 0.00	21.48 0.33 0.00	31.80 0.58 0.00	35.39 0.78 0.00	37.56 0.88 -0.70	39.34 0.81 -1.23	39.04 0.84 0.00	27.95 0.63 3.02	34.72 0.64 0.00	58.93 1.31 0.00	48.64 1.08 0.00	40.69 0.84 0.00	33.18 0.72 0.00	31.76 0.71 0.00	20.95 0.49 0.00	29.02 0.65 0.00
WATSON__69_KV_BK 1 55734	50.64 0.37 -47.89	68.99 1.30 -57.42	48.29 1.68 -32.69	49.43 2.11 -28.92	64.74 2.17 -42.88	32.64 2.44 -8.97	48.89 1.61 -33.74	60.68 1.83 -44.76	40.76 2.21 -21.57	48.66 2.76 -24.74	52.95 4.36 -17.37	56.34 4.90 -16.84	45.48 5.07 -4.44	95.47 5.41 -52.75	100.27 5.45 -56.62	165.81 4.03 -131.44	195.18 4.37 -156.73	282.90 7.07 -218.21	190.21 5.90 -136.76	68.04 4.74 -23.45	49.35 3.85 -13.03	53.62 3.79 -18.79	40.80 2.42 -17.92	42.00 3.67 -9.96
WDELAWARE__HYD 323627	-3.57 0.14 6.09	5.72 0.46 5.01	15.06 0.57 -0.57	19.10 0.70 0.00	20.36 0.67 0.00	22.03 0.79 0.00	14.08 0.54 0.00	14.74 0.65 0.00	17.77 0.80 0.00	22.23 1.08 0.00	32.89 1.68 0.00	36.53 1.92 0.00	38.19 2.21 0.00	39.76 2.46 0.00	41.11 2.76 -0.15	31.68 1.97 0.64	36.81 2.11 -0.62	60.96 3.34 0.00	48.29 2.82 2.09	40.53 2.20 1.52	32.16 1.65 1.95	31.13 1.55 1.47	18.06 1.02 3.43	30.12 1.38 -0.37
WEST BABYLON__IC 23714	50.61 0.35 -47.89	68.92 1.23 -57.42	48.20 1.59 -32.69	49.32 2.00 -28.92	64.62 2.05 -42.88	32.50 2.29 -8.97	48.80 1.51 -33.74	50.94 1.71 -35.14	40.61 2.07 -21.57	41.65 2.57 -17.93	52.21 4.04 -16.96	55.99 4.55 -16.84	45.12 4.70 -4.44	95.12 5.07 -52.75	99.96 5.15 -56.62	126.95 3.81 -92.79	166.91 4.16 -128.68	273.82 6.74 -209.47	120.15 5.57 -67.02	52.69 4.45 -8.39	46.56 3.60 -10.50	53.39 3.56 -18.78	40.67 2.29 -17.92	41.83 3.49 -9.96

WEST CANADA___HYD 24049	4.92 0.03 -2.52	13.28 0.10 -2.92	17.15 0.12 -3.11	20.76 0.17 -2.20	19.85 0.16 0.00	21.41 0.17 0.00	13.67 0.14 0.00	14.25 0.15 0.00	17.14 0.17 0.00	21.37 0.21 0.00	31.55 0.34 0.00	35.00 0.39 0.00	37.11 0.43 -0.70	38.96 0.43 -1.23	38.62 0.42 0.00	27.62 0.30 3.02	34.37 0.29 0.00	58.09 0.46 0.00	47.93 0.38 0.00	40.14 0.28 0.00	32.71 0.24 0.00	31.29 0.25 0.00	20.64 0.18 0.00	28.62 0.24 0.00
WESTERN_NY_WIND 24143	2.32 -0.06 0.00	10.02 -0.33 -0.08	13.52 -0.49 -0.08	17.83 -0.56 0.00	19.19 -0.50 0.00	20.69 -0.54 0.00	13.26 -0.27 0.00	14.01 -0.09 0.00	17.07 0.10 0.00	21.39 0.24 0.00	31.46 0.25 0.00	34.85 0.24 0.00	35.60 -0.38 0.00	36.33 -0.97 0.00	37.51 -0.82 -0.13	29.85 -0.52 -0.02	33.52 -0.57 -0.02	56.72 -0.92 -0.02	46.66 -0.93 -0.03	39.54 -0.31 0.00	32.37 -0.09 0.00	30.95 -0.09 0.00	20.29 -0.17 0.00	28.06 -0.46 -0.15
WESTOVER___LESR 323668	2.42 0.04 0.00	10.52 0.06 -0.19	14.21 0.10 -0.19	18.54 0.14 0.00	19.84 0.16 0.00	21.42 0.16 -0.03	13.70 0.17 0.00	14.30 0.21 0.00	17.31 0.34 0.00	21.70 0.50 -0.05	32.55 0.77 -0.56	36.46 0.99 -0.86	37.77 0.87 -0.91	39.11 0.83 -0.98	40.47 1.10 -1.17	31.67 0.79 -0.52	35.69 0.87 -0.75	61.46 1.44 -2.41	50.44 0.93 -1.96	41.92 0.65 -1.42	33.90 0.52 -0.91	32.27 0.43 -0.80	20.87 0.34 -0.07	29.70 0.41 -0.92
WETHRSFD_WT_PWR 323626	2.23 -0.14 0.00	9.76 -0.61 -0.11	13.19 -0.83 -0.11	17.41 -0.99 0.00	18.81 -0.87 0.00	20.32 -0.92 0.00	13.02 -0.52 0.00	13.72 -0.38 0.00	16.70 -0.27 0.00	20.94 -0.21 0.00	30.87 -0.34 0.00	34.35 -0.26 0.00	35.20 -0.78 0.00	36.15 -1.15 0.00	37.93 -0.90 -0.64	29.68 -0.67 0.00	33.41 -0.66 0.00	56.40 -1.22 0.00	46.11 -1.44 0.00	38.86 -0.99 0.00	31.75 -0.72 0.00	30.32 -0.72 0.00	20.01 -0.45 0.00	27.77 -0.80 -0.19
WHAVSTOR_138KV_BK127 55557	-41.44 0.22 44.04	-28.69 0.76 39.72	15.51 0.98 -0.61	19.63 1.23 0.00	20.93 1.24 0.00	22.65 1.41 0.00	14.45 0.91 0.00	15.13 1.04 0.00	18.22 1.25 0.00	22.75 1.60 0.00	33.78 2.57 0.00	37.52 2.91 0.00	39.17 3.19 0.00	40.71 3.41 0.00	44.05 3.43 -2.42	33.97 2.44 -1.18	62.64 2.64 -25.92	75.74 4.20 -13.92	57.80 3.37 -6.87	33.09 2.63 9.40	22.53 2.09 12.02	24.02 2.05 9.08	1.34 1.40 20.52	27.66 2.08 2.79
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	-41.44 0.22 44.04	-28.69 0.76 39.72	15.51 0.98 -0.61	19.63 1.23 0.00	20.93 1.24 0.00	22.65 1.41 0.00	14.45 0.91 0.00	15.13 1.04 0.00	18.22 1.25 0.00	22.75 1.60 0.00	33.78 2.57 0.00	37.52 2.91 0.00	39.17 3.19 0.00	40.71 3.41 0.00	44.05 3.43 -2.42	33.97 2.44 -1.18	62.64 2.64 -25.92	75.74 4.20 -13.92	57.80 3.37 -6.87	33.09 2.63 9.40	22.53 2.09 12.02	24.02 2.05 9.08	1.34 1.40 20.52	27.66 2.08 2.79
WHITEHAL_115KV_TB1 80871	6.95 0.09 -4.49	15.85 0.63 -4.97	15.89 1.13 -0.85	20.04 1.64 0.00	21.57 1.88 0.00	23.22 1.99 0.00	14.94 1.40 0.00	15.64 1.54 0.00	18.75 1.78 0.00	22.97 1.82 0.00	33.52 2.31 0.00	37.33 2.72 0.00	39.24 3.26 0.00	41.03 3.73 0.00	42.12 3.59 -0.33	34.92 2.48 -2.09	40.92 2.80 -4.05	65.78 6.09 -2.07	56.19 5.69 -2.95	44.14 4.29 0.00	35.83 3.37 0.00	34.28 3.24 0.00	22.94 2.15 -0.33	32.82 2.95 -1.49
WHITEPLN_13_KV_LOAD 356215	33.76 0.28 -31.11	40.40 1.00 -29.14	15.85 1.29 -0.64	20.03 1.64 0.00	21.35 1.66 0.00	23.11 1.88 0.00	14.78 1.24 0.00	15.49 1.40 0.00	18.67 1.70 0.00	23.30 2.15 0.00	34.65 3.44 0.00	38.46 3.85 0.00	40.11 4.13 0.00	41.73 4.43 0.00	44.43 4.52 -1.71	56.53 3.36 -22.83	59.42 3.68 -21.67	72.84 5.83 -9.39	75.20 4.70 -22.95	50.54 3.73 -6.95	44.29 2.94 -8.89	40.59 2.84 -6.71	37.73 1.89 -15.38	35.10 2.73 -4.00
WM_FLOYD_69_KV_BK2 356380	50.62 0.35 -47.89	68.90 1.22 -57.42	48.17 1.56 -32.69	49.28 1.97 -28.92	64.63 2.06 -42.88	32.54 2.33 -8.97	48.83 1.55 -33.74	73.93 1.79 -58.04	40.66 2.11 -21.57	57.73 2.65 -33.93	53.35 4.21 -17.93	56.05 4.60 -16.84	45.18 4.77 -4.44	95.11 5.05 -52.75	99.96 5.14 -56.63	219.51 3.82 -185.35	244.95 4.12 -206.76	302.51 6.65 -238.24	281.76 5.71 -228.50	87.00 4.46 -42.69	52.30 3.63 -16.21	53.41 3.57 -18.79	40.65 2.27 -17.92	41.85 3.52 -9.96
WOODARD__115KV_TB2 355635	2.36 -0.01 0.00	10.21 -0.10 -0.05	13.83 -0.14 -0.05	18.17 -0.20 0.03	19.46 -0.23 0.00	21.04 -0.25 -0.06	13.46 -0.08 0.00	14.06 -0.04 0.00	16.99 0.02 0.00	21.28 0.03 -0.10	32.39 0.07 -1.11	36.34 0.10 -1.63	37.86 0.08 -1.80	39.23 0.01 -1.92	40.40 0.10 -2.11	26.43 0.03 3.95	35.57 0.02 -1.47	62.43 0.06 -4.74	51.36 -0.05 -3.86	42.59 -0.06 -2.79	34.21 -0.06 -1.80	32.52 -0.10 -1.58	20.50 -0.09 -0.13	29.39 -0.22 -1.24
YORK___WARBASSE 23770	80.67 0.30 -77.99	47.58 1.03 -36.29	15.91 1.34 -0.65	20.09 1.70 0.00	21.39 1.70 -0.01	23.18 1.94 0.00	14.79 1.25 -0.01	15.50 1.40 0.00	18.60 1.62 -0.01	23.18 2.03 0.00	34.52 3.31 0.00	38.27 3.65 0.00	39.81 3.83 -0.01	41.68 4.07 -0.30	54.67 4.06 -12.41	67.60 2.89 -34.36	58.16 3.08 -21.00	75.26 5.05 -12.59	136.18 4.24 -84.38	145.65 3.36 -102.43	73.73 2.64 -38.62	57.45 2.55 -23.86	37.19 1.74 -14.99	59.77 2.61 -28.79