

Day Ahead Market Generator LBMP

--- LBMP \$		--- Marginal Cost of Losses														--- Marginal Cost of Congestion										07/08/2023	
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	EDT		
	37.99	35.12	33.66	31.95	31.95	31.84	32.01	30.63	33.78	37.46	37.46	35.64	38.45	40.58	45.44	44.50	47.73	54.30	58.72	58.66	46.95	42.56	40.44	38.02	34.78		
	2.67	2.37	2.12	1.81	1.62	1.62	1.73	1.22	2.25	2.62	3.38	3.68	3.66	4.02	3.93	4.34	4.55	4.67	4.82	4.20	3.87	3.79	3.60	3.24			
74TH STREET_GT_1 24260	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT		
	37.99	35.15	33.68	31.97	31.97	31.84	32.01	30.63	33.78	37.43	35.67	38.45	40.69	45.27	44.71	47.85	54.42	58.85	58.79	46.95	42.56	40.41	37.99	34.77			
	2.67	2.39	2.15	1.83	1.64	1.62	1.73	1.22	2.24	2.60	3.41	3.68	3.77	3.85	4.14	4.46	4.68	4.79	4.95	4.20	3.87	3.76	3.56	3.24			
74TH STREET_GT_2 24261	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT		
	37.99	35.15	33.68	31.97	31.97	31.84	32.01	30.63	33.78	37.43	35.67	38.45	40.69	45.27	44.71	47.85	54.42	58.85	58.79	46.95	42.56	40.41	37.99	34.77			
	2.67	2.39	2.15	1.83	1.64	1.62	1.73	1.22	2.24	2.60	3.41	3.68	3.77	3.85	4.14	4.46	4.68	4.79	4.95	4.20	3.87	3.76	3.56	3.24			
ADK HUDSON___FALLS 24011	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT		
	50.68	37.86	36.73	34.69	36.02	36.32	36.89	39.12	42.65	44.65	37.64	38.17	41.56	44.74	46.04	51.71	68.51	79.77	100.90	67.37	53.97	48.00	42.05	38.64			
	2.61	2.18	1.89	1.66	1.50	1.43	1.42	0.93	2.07	2.49	2.91	3.34	3.14	3.31	3.65	4.00	3.98	4.16	4.99	4.32	4.35	4.11	3.53	3.12			
ADK RESOURCE___RCVRY 23798	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT		
	50.94	38.04	36.89	34.87	36.16	36.43	36.99	39.06	42.55	44.67	37.99	38.55	41.86	45.19	46.35	52.13	68.83	79.92	100.64	67.42	54.19	48.17	42.36	38.93			
	2.88	2.39	2.08	1.83	1.65	1.55	1.57	1.01	2.27	2.72	3.25	3.72	3.51	3.77	4.06	4.46	4.47	4.63	5.55	4.79	4.83	4.47	3.83	3.39			
ADK S GLENS___FALLS 24028	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT		
	50.68	37.86	36.73	34.69	36.02	36.32	36.89	39.12	42.65	44.65	37.64	38.17	41.56	44.74	46.04	51.71	68.51	79.77	100.90	67.37	53.97	48.00	42.05	38.64			
	2.61	2.18	1.89	1.66	1.50	1.43	1.42	0.93	2.07	2.49	2.91	3.34	3.14	3.31	3.65	4.00	3.98	4.16	4.99	4.32	4.35	4.11	3.53	3.12			
ADK_NYS___DAM 23527	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT		
	48.24	37.90	36.79	34.06	35.48	35.85	37.11	40.82	47.19	47.65	36.38	37.32	42.21	43.87	46.63	50.83	68.76	81.64	109.06	71.25	56.09	49.50	40.11	36.97			
	2.12	1.87	1.67	1.48	1.30	1.27	1.30	0.89	1.76	2.06	2.27	2.50	2.44	2.44	2.60	2.85	3.08	3.16	3.44	3.09	2.87	2.82	2.63	2.45			
AIR_PRODUCTS___DRP 24190	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT		
	40.58	34.52	33.55	33.24	33.82	33.94	33.05	31.31	28.18	33.37	34.66	36.12	36.31	42.38	39.74	44.96	52.60	55.79	48.03	39.64	36.39	35.02	37.78	34.77			
	0.94	0.84	0.74	0.67	0.60	0.62	0.62	0.43	0.86	1.03	1.20	1.32	1.11	0.95	1.26	1.40	1.60	1.68	1.89	1.54	1.41	1.39	1.37	1.27			
AKWESSNE_115KV_BK 355683	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT		
	29.72	25.78	23.41	21.10	18.25	17.02	17.62	11.69	21.57	25.15	30.44	33.70	36.22	40.80	39.84	41.31	38.87	39.61	38.96	37.03	35.36	34.18	31.71	28.84			
	-0.58	-0.53	-0.48	-0.43	-0.55	-0.48	-0.48	-0.32	-0.66	-0.77	-0.88	-1.04	-0.70	-0.62	-0.73	-0.89	-1.44	-1.47	-1.85	-1.43	-1.30	-1.25	-1.17	-1.03			
ALBANY___1 23571	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT		
	40.58	34.52	33.55	33.24	33.82	33.94	33.05	31.31	28.18	33.37	34.66	36.12	36.31	42.38	39.74	44.96	52.60	55.79	48.03	39.64	36.39	35.02	37.78	34.77			
	0.94	0.84	0.74	0.67	0.60	0.62	0.62	0.43	0.86	1.03	1.20	1.32	1.11	0.95	1.26	1.40	1.60	1.68	1.89	1.54	1.41	1.39	1.37	1.27			
ALBANY___2 23572	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT		
	40.58	34.52	33.55	33.24	33.82	33.94	33.05	31.31	28.18	33.37	34.66	36.12	36.31	42.38	39.74	44.96	52.60	55.79	48.03	39.64	36.39	35.02	37.78	34.77			
	0.94	0.84	0.74	0.67	0.60	0.62	0.62	0.43	0.86	1.03	1.20	1.32	1.11	0.95	1.26	1.40	1.60	1.68	1.89	1.54	1.41	1.39	1.37	1.27			
ALBANY___3 23573	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT		
	40.58	34.52	33.55	33.24	33.82	33.94	33.05	31.31	28.18	33.37	34.66	36.12	36.31	42.38	39.74	44.96	52.60	55.79	48.03	39.64	36.39	35.02	37.78	34.77			
	0.94	0.84	0.74	0.67	0.60	0.62	0.62	0.43	0.86	1.03	1.20	1.32	1.11	0.95	1.26	1.40	1.60	1.68	1.89	1.54	1.41	1.39	1.37	1.27			

ALBANY___4 23574	40.58 0.94 -9.35	34.52 0.84 -7.37	33.55 0.74 -8.93	33.24 0.67 -11.04	33.82 0.60 -14.42	33.94 0.62 -16.12	33.05 0.62 -14.62	31.31 0.43 -19.28	28.18 0.86 -5.32	33.37 1.03 -6.63	34.66 1.20 -1.89	36.12 1.32 -0.05	36.31 1.11 1.72	42.38 0.95 0.00	39.74 1.26 2.09	44.96 1.40 -1.04	52.60 1.60 -9.96	55.79 1.68 -12.05	48.03 1.89 -3.09	39.64 1.54 1.52	36.39 1.41 2.24	35.02 1.39 2.14	37.78 1.37 -3.12	34.77 1.27 -3.24
ALBANY___LFGE 323615	42.64 1.30 -11.05	34.95 1.13 -7.52	33.98 1.00 -9.09	33.60 0.90 -11.16	34.20 0.79 -14.61	34.34 0.81 -16.34	33.50 0.82 -14.87	31.88 0.55 -19.74	28.96 1.10 -5.86	34.10 1.34 -7.05	35.42 1.61 -2.23	36.61 1.81 -0.06	36.93 1.62 1.62	43.04 1.61 0.00	40.34 1.74 1.97	46.07 2.00 -1.55	54.78 2.21 -11.53	58.59 2.27 -14.27	53.11 2.54 -7.53	42.41 2.14 -0.66	38.03 1.93 1.12	36.24 1.89 1.42	38.78 1.80 -3.69	35.68 1.63 -3.79
ALCOA_PA_115KV_PL-6C 55860	29.66 -0.64 0.00	25.70 -0.60 0.00	23.33 -0.55 0.00	21.03 -0.50 0.00	18.18 -0.62 0.00	16.99 -0.55 -0.34	17.58 -0.55 -0.33	11.69 -0.37 -0.46	21.50 -0.75 -0.25	25.05 -0.90 -0.24	30.27 -1.04 0.27	33.53 -1.22 0.01	36.33 -0.59 0.00	40.93 -0.50 0.00	39.96 -0.61 0.00	41.46 -0.72 0.34	38.63 -1.64 0.76	39.39 -1.64 1.03	38.66 -2.02 2.36	36.80 -1.58 1.23	35.21 -1.41 0.58	34.02 -1.39 0.35	31.55 -1.30 0.44	28.69 -1.15 0.42
ALCOA_RYNLDS___DRP 24188	29.66 -0.64 0.00	25.70 -0.60 0.00	23.33 -0.55 0.00	21.03 -0.50 0.00	18.18 -0.62 0.00	16.99 -0.55 -0.34	17.58 -0.55 -0.33	11.69 -0.37 -0.46	21.50 -0.75 -0.25	25.05 -0.90 -0.24	30.27 -1.04 0.27	33.53 -1.22 0.01	36.33 -0.59 0.00	40.93 -0.50 0.00	39.96 -0.61 0.00	41.46 -0.72 0.34	38.63 -1.64 0.76	39.39 -1.64 1.03	38.66 -2.02 2.36	36.80 -1.58 1.23	35.21 -1.41 0.58	34.02 -1.39 0.35	31.55 -1.30 0.44	28.69 -1.15 0.42
ALCOA___DSASP 323711	29.65 -0.64 0.00	25.70 -0.60 0.00	23.34 -0.55 0.00	21.03 -0.49 0.00	18.18 -0.62 0.00	16.99 -0.55 -0.34	17.58 -0.55 -0.33	11.69 -0.37 -0.46	21.50 -0.75 -0.25	25.05 -0.90 -0.24	30.27 -1.04 0.27	33.53 -1.22 0.01	36.33 -0.59 0.00	40.97 -0.45 0.00	39.96 -0.61 0.00	41.46 -0.72 0.34	38.63 -1.64 0.76	39.39 -1.64 1.03	38.66 -2.02 2.36	36.80 -1.59 1.23	35.21 -1.41 0.58	34.02 -1.40 0.35	31.59 -1.27 0.44	28.69 -1.15 0.42
ALLEGHENY___COGEN 23514	32.48 1.36 -0.82	28.52 1.18 -1.04	26.14 1.03 -1.23	23.75 0.84 -1.38	21.61 0.96 -1.85	20.79 0.88 -2.72	21.23 0.82 -2.61	15.83 0.51 -3.72	25.00 1.01 -1.99	28.21 0.59 -1.90	30.68 -0.35 0.55	34.53 -0.21 0.01	36.15 -0.78 0.00	40.22 -1.20 0.00	40.08 -0.49 0.00	40.85 -0.98 0.69	40.74 0.29 0.59	42.20 0.88 0.74	41.68 2.80 4.16	40.11 3.01 2.52	39.29 3.28 1.19	38.20 3.15 0.71	35.05 2.66 0.91	31.88 2.45 0.83
ALTAMONT_115KV_TB 2 55880	40.65 1.30 -9.06	35.31 1.16 -7.85	34.33 1.05 -9.40	33.50 0.93 -11.05	34.25 0.83 -14.63	34.42 0.84 -16.38	33.98 0.87 -15.30	33.26 0.57 -21.10	32.06 1.12 -8.94	36.30 1.31 -9.28	34.80 1.55 -1.68	36.50 1.70 -0.04	37.63 1.51 0.81	42.91 1.49 0.00	41.29 1.70 0.98	45.89 1.87 -1.49	54.86 2.09 -11.73	59.58 2.19 -15.34	57.32 2.45 -11.83	44.60 2.06 -2.93	39.78 1.90 -0.67	37.65 1.86 -0.03	37.87 1.80 -2.78	34.81 1.63 -2.92
ALTONA_WT_PWR 323606	30.08 -0.21 0.00	26.01 -0.29 0.00	23.65 -0.24 0.00	21.34 -0.19 0.00	18.52 -0.28 0.00	17.24 -0.26 -0.30	17.85 -0.25 -0.29	11.87 -0.14 -0.41	21.96 -0.26 -0.22	25.61 -0.31 -0.21	30.98 -0.35 0.25	34.26 -0.49 0.01	36.81 -0.11 0.00	41.51 0.08 0.00	40.49 -0.08 0.00	42.03 -0.17 0.32	39.58 -0.74 0.72	40.41 -0.67 0.97	39.79 -1.03 2.22	37.75 -0.71 1.15	36.03 -0.63 0.54	34.76 -0.68 0.33	32.25 -0.63 0.41	29.26 -0.60 0.39
AMERICAN_REF_FUEL 24010	30.02 -1.00 -0.73	26.50 -0.74 -0.94	24.37 -0.62 -1.11	22.15 -0.63 -1.25	20.23 -0.24 -1.67	19.61 -0.12 -2.53	20.00 -0.23 -2.42	14.95 -0.10 -3.46	23.81 -0.04 -1.85	27.51 0.03 -1.77	30.12 -0.88 0.57	34.11 -0.62 0.01	35.48 -1.44 0.00	39.56 -1.86 0.00	39.71 -0.85 0.00	40.05 -1.75 0.73	39.68 -0.57 0.78	40.38 -0.67 1.00	39.29 0.73 4.49	37.17 0.20 2.64	36.22 0.26 1.25	35.23 0.22 0.75	32.48 0.13 0.95	29.72 0.33 0.87
ARKWRIGHT___SUMMIT_WT_PWR 323751	31.61 0.48 -0.83	27.69 0.34 -1.05	25.53 0.41 -1.24	23.19 0.26 -1.40	21.23 0.56 -1.87	20.54 0.60 -2.74	20.99 0.55 -2.63	15.81 0.46 -3.75	25.06 1.06 -2.01	28.94 1.31 -1.92	32.07 1.04 0.54	36.23 1.49 0.01	37.66 0.74 0.00	41.96 0.54 0.00	42.03 1.46 0.00	42.68 0.85 0.69	42.19 1.72 0.57	43.14 1.81 0.72	41.92 3.01 4.14	39.68 2.57 2.51	38.37 2.35 1.19	37.27 2.22 0.71	34.15 1.76 0.90	31.13 1.69 0.82
ARTHUR_KILL_GT_1 23520	37.97 2.63 -5.04	35.18 2.42 -6.46	33.69 2.15 -7.66	32.00 1.85 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.06 1.76 -12.48	30.65 1.23 -17.82	33.76 2.22 -9.54	37.43 2.60 -9.12	35.58 3.31 -0.69	38.36 3.58 -0.02	40.67 3.69 -0.06	45.42 3.94 -0.06	49.87 3.81 -5.49	79.06 4.38 -32.16	79.12 4.60 -33.49	83.95 4.67 -37.22	78.00 4.91 -30.05	46.84 4.08 -3.15	42.42 3.72 -1.49	40.39 3.68 -0.95	38.13 3.60 -1.24	34.60 3.05 -1.29
ARTHUR_KILL_2 23512	37.84 2.51 -5.04	35.08 2.32 -6.46	33.60 2.05 -7.66	31.92 1.77 -8.62	31.94 1.60 -11.55	31.84 1.60 -13.04	31.99 1.69 -12.48	30.60 1.18 -17.82	33.70 2.16 -9.54	37.33 2.49 -9.12	35.45 3.19 -0.69	38.22 3.44 -0.02	40.52 3.55 -0.06	45.21 3.73 -0.06	49.71 3.65 -5.49	78.89 4.21 -32.16	78.92 4.39 -33.49	83.78 4.50 -37.22	77.79 4.69 -30.05	46.65 3.88 -3.15	42.27 3.57 -1.49	40.22 3.51 -0.95	38.00 3.46 -1.24	34.48 2.93 -1.29
ARTHUR_KILL_3 23513	37.60 2.27 -5.03	34.83 2.08 -6.45	33.40 1.86 -7.65	31.71 1.57 -8.61	31.75 1.41 -11.54	31.64 1.41 -13.03	31.80 1.51 -12.48	30.49 1.08 -17.81	33.51 1.98 -9.53	37.06 2.24 -9.11	35.23 2.97 -0.68	37.93 3.16 -0.02	40.10 3.18 0.00	44.78 3.35 0.00	43.93 3.37 0.00	47.21 3.83 -0.87	53.77 4.02 -8.71	58.18 4.12 -12.00	58.10 4.26 -10.79	46.32 3.57 -3.14	42.00 3.31 -1.49	39.91 3.25 -0.89	37.65 3.23 -1.13	34.47 2.93 -1.28
ARTHUR_KILL_COGEN 323718	37.97 2.63 -5.04	35.18 2.42 -6.46	33.69 2.15 -7.66	32.00 1.85 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.06 1.76 -12.48	30.65 1.23 -17.82	33.76 2.22 -9.54	37.43 2.60 -9.12	35.58 3.31 -0.69	38.36 3.58 -0.02	40.67 3.69 -0.06	45.42 3.94 -0.06	49.87 3.81 -5.49	79.06 4.38 -32.16	79.12 4.60 -33.49	83.95 4.67 -37.22	78.00 4.91 -30.05	46.84 4.08 -3.15	42.42 3.72 -1.49	40.39 3.68 -0.95	38.13 3.60 -1.24	34.60 3.05 -1.29
ASHOKAN____ 23654	38.73 1.51 -6.92	35.53 2.32 -6.91	33.16 1.00 -8.27	32.10 0.82 -9.75	32.30 0.60 -12.90	32.39 0.71 -14.49	32.08 0.75 -13.52	31.21 1.00 -18.62	31.74 1.94 -7.80	36.25 2.42 -8.13	34.14 1.36 -1.21	36.62 1.84 -0.03	39.06 2.88 0.74	43.12 1.70 0.00	42.91 3.25 0.91	45.72 2.25 -0.95	53.28 2.91 -9.33	58.39 4.21 -12.13	55.38 4.78 -7.55	44.88 4.12 -1.15	40.93 3.83 0.11	39.00 3.65 0.41	37.00 1.70 -2.00	33.88 1.48 -2.14

ASTORIA_EAST_ENERGY_CC1 323581	37.91 2.57 -5.04	35.10 2.34 -6.46	33.62 2.08 -7.66	31.92 1.77 -8.62	31.94 1.60 -11.55	31.82 1.58 -13.04	31.97 1.67 -12.48	30.60 1.18 -17.82	33.72 2.18 -9.54	37.36 2.52 -9.13	35.39 3.13 -0.69	38.32 3.55 -0.02	40.51 3.58 -0.01	45.16 3.73 -0.01	44.27 3.69 -0.01	47.56 4.17 -0.87	54.23 4.47 -8.72	58.65 4.58 -12.01	58.62 4.78 -10.80	46.75 4.00 -3.14	42.38 3.68 -1.49	40.27 3.61 -0.90	38.06 3.63 -1.14	34.78 3.24 -1.29
ASTORIA_EAST_ENERGY_CC2 323582	37.91 2.57 -5.04	35.10 2.34 -6.46	33.62 2.08 -7.66	31.92 1.77 -8.62	31.94 1.60 -11.55	31.82 1.58 -13.04	31.97 1.67 -12.48	30.60 1.18 -17.82	33.72 2.18 -9.54	37.36 2.52 -9.13	35.39 3.13 -0.69	38.32 3.55 -0.02	40.51 3.58 -0.01	45.16 3.73 -0.01	44.27 3.69 -0.01	47.56 4.17 -0.87	54.23 4.47 -8.72	58.65 4.58 -12.01	58.62 4.78 -10.80	46.75 4.00 -3.14	42.38 3.68 -1.49	40.27 3.61 -0.90	38.06 3.63 -1.14	34.78 3.24 -1.29
ASTORIA_GT2_1 24094	37.88 2.54 -5.04	35.10 2.34 -6.46	33.64 2.10 -7.66	31.94 1.79 -8.62	31.94 1.60 -11.55	31.84 1.60 -13.04	31.97 1.67 -12.48	30.61 1.19 -17.82	33.72 2.18 -9.54	37.39 2.55 -9.13	35.46 3.19 -0.69	38.32 3.54 -0.02	40.51 3.58 -0.01	45.03 3.60 -0.01	44.51 3.94 -0.01	47.60 4.21 -0.87	54.27 4.51 -8.72	58.69 4.63 -12.01	58.67 4.82 -10.80	46.79 4.04 -3.14	42.41 3.72 -1.49	40.42 3.76 -0.90	37.83 3.40 -1.14	34.63 3.09 -1.29
ASTORIA_GT2_2 24095	37.88 2.54 -5.04	35.10 2.34 -6.46	33.64 2.10 -7.66	31.94 1.79 -8.62	31.94 1.60 -11.55	31.84 1.60 -13.04	31.97 1.67 -12.48	30.61 1.19 -17.82	33.72 2.18 -9.54	37.39 2.55 -9.13	35.46 3.19 -0.69	38.32 3.54 -0.02	40.51 3.58 -0.01	45.03 3.60 -0.01	44.51 3.94 -0.01	47.60 4.21 -0.87	54.27 4.51 -8.72	58.69 4.63 -12.01	58.67 4.82 -10.80	46.79 4.04 -3.14	42.41 3.72 -1.49	40.42 3.76 -0.90	37.83 3.40 -1.14	34.63 3.09 -1.29
ASTORIA_GT2_3 24096	37.88 2.54 -5.04	35.10 2.34 -6.46	33.64 2.10 -7.66	31.94 1.79 -8.62	31.94 1.60 -11.55	31.84 1.60 -13.04	31.97 1.67 -12.48	30.61 1.19 -17.82	33.72 2.18 -9.54	37.39 2.55 -9.13	35.46 3.19 -0.69	38.32 3.54 -0.02	40.51 3.58 -0.01	45.03 3.60 -0.01	44.51 3.94 -0.01	47.60 4.21 -0.87	54.27 4.51 -8.72	58.69 4.63 -12.01	58.67 4.82 -10.80	46.79 4.04 -3.14	42.41 3.72 -1.49	40.42 3.76 -0.90	37.83 3.40 -1.14	34.63 3.09 -1.29
ASTORIA_GT2_4 24097	37.88 2.54 -5.04	35.10 2.34 -6.46	33.64 2.10 -7.66	31.94 1.79 -8.62	31.94 1.60 -11.55	31.84 1.60 -13.04	31.97 1.67 -12.48	30.61 1.19 -17.82	33.72 2.18 -9.54	37.39 2.55 -9.13	35.46 3.19 -0.69	38.32 3.54 -0.02	40.51 3.58 -0.01	45.03 3.60 -0.01	44.51 3.94 -0.01	47.60 4.21 -0.87	54.27 4.51 -8.72	58.69 4.63 -12.01	58.67 4.82 -10.80	46.79 4.04 -3.14	42.41 3.72 -1.49	40.42 3.76 -0.90	37.83 3.40 -1.14	34.63 3.09 -1.29
ASTORIA_GT3_1 24098	37.88 2.54 -5.04	35.10 2.34 -6.46	33.64 2.10 -7.66	31.94 1.79 -8.62	31.94 1.60 -11.55	31.84 1.60 -13.04	31.97 1.67 -12.48	30.61 1.19 -17.82	33.72 2.18 -9.54	37.39 2.55 -9.13	35.46 3.19 -0.69	38.32 3.54 -0.02	40.51 3.58 -0.01	45.03 3.60 -0.01	44.51 3.94 -0.01	47.60 4.21 -0.87	54.27 4.51 -8.72	58.69 4.63 -12.01	58.67 4.82 -10.80	46.79 4.04 -3.14	42.41 3.72 -1.49	40.42 3.76 -0.90	37.83 3.40 -1.14	34.63 3.09 -1.29
ASTORIA_GT3_2 24099	37.88																							

ASTORIA_GT_10 24110	37.84 2.51 -5.03	35.07 2.31 -6.45	33.59 2.05 -7.65	31.89 1.74 -8.61	31.90 1.56 -11.54	31.79 1.56 -13.03	31.97 1.67 -12.48	30.60 1.18 -17.82	33.70 2.16 -9.54	37.30 2.47 -9.12	35.52 3.25 -0.69	38.24 3.48 -0.02	40.43 3.51 0.00	44.98 3.56 0.00	44.46 3.89 0.00	47.55 4.17 -0.87	54.10 4.35 -8.71	58.47 4.42 -12.00	58.44 4.61 -10.79	46.56 3.80 -3.14	42.23 3.53 -1.49	40.23 3.58 -0.89	37.83 3.40 -1.14	34.66 3.12 -1.29
ASTORIA_GT_11 24225	37.84 2.51 -5.03	35.07 2.31 -6.45	33.59 2.05 -7.65	31.89 1.74 -8.61	31.90 1.56 -11.54	31.79 1.56 -13.03	31.97 1.67 -12.48	30.60 1.18 -17.82	33.70 2.16 -9.54	37.30 2.47 -9.12	35.52 3.25 -0.69	38.24 3.48 -0.02	40.43 3.51 0.00	44.98 3.56 0.00	44.46 3.89 0.00	47.55 4.17 -0.87	54.10 4.35 -8.71	58.47 4.42 -12.00	58.44 4.61 -10.79	46.56 3.80 -3.14	42.23 3.53 -1.49	40.23 3.58 -0.89	37.83 3.40 -1.14	34.66 3.12 -1.29
ASTORIA_GT_12 24226	37.87 2.54 -5.03	35.07 2.32 -6.45	33.59 2.05 -7.65	31.89 1.74 -8.61	31.89 1.56 -11.54	31.79 1.56 -13.03	31.95 1.66 -12.48	30.60 1.18 -17.82	33.70 2.16 -9.54	37.30 2.47 -9.12	35.49 3.22 -0.69	38.24 3.47 -0.02	40.47 3.55 0.00	45.11 3.69 0.00	44.18 3.61 0.00	47.51 4.12 -0.87	54.05 4.31 -8.71	58.47 4.41 -12.00	58.40 4.56 -10.79	46.56 3.80 -3.14	42.23 3.54 -1.49	40.16 3.51 -0.89	37.93 3.49 -1.14	34.69 3.15 -1.29
ASTORIA_GT_13 24227	37.87 2.54 -5.03	35.07 2.32 -6.45	33.59 2.05 -7.65	31.89 1.74 -8.61	31.89 1.56 -11.54	31.79 1.56 -13.03	31.95 1.66 -12.48	30.60 1.18 -17.82	33.70 2.16 -9.54	37.30 2.47 -9.12	35.49 3.22 -0.69	38.24 3.47 -0.02	40.47 3.55 0.00	45.11 3.69 0.00	44.18 3.61 0.00	47.51 4.12 -0.87	54.05 4.31 -8.71	58.47 4.41 -12.00	58.40 4.56 -10.79	46.56 3.80 -3.14	42.23 3.54 -1.49	40.16 3.51 -0.89	37.93 3.49 -1.14	34.69 3.15 -1.29
ASTORIA_GT_5 24106	37.97 2.63 -5.04	35.15 2.39 -6.46	33.69 2.15 -7.66	31.98 1.83 -8.62	31.98 1.63 -11.55	31.87 1.63 -13.04	32.00 1.71 -12.48	30.64 1.22 -17.82	33.78 2.25 -9.54	37.44 2.60 -9.13	35.49 3.22 -0.69	38.43 3.65 -0.02	40.62 3.69 -0.01	45.28 3.85 -0.01	44.39 3.81 -0.01	47.69 4.29 -0.87	54.39 4.64 -8.72	58.77 4.71 -12.01	58.75 4.91 -10.80	46.87 4.12 -3.14	42.49 3.80 -1.49	40.38 3.72 -0.90	38.16 3.73 -1.14	34.87 3.33 -1.29
ASTORIA_GT_7 24107	37.97 2.63 -5.04	35.15 2.39 -6.46	33.69 2.15 -7.66	31.98 1.83 -8.62	31.98 1.63 -11.55	31.87 1.63 -13.04	32.00 1.71 -12.48	30.64 1.22 -17.82	33.78 2.25 -9.54	37.44 2.60 -9.13	35.49 3.22 -0.69	38.43 3.65 -0.02	40.62 3.69 -0.01	45.28 3.85 -0.01	44.39 3.81 -0.01	47.69 4.29 -0.87	54.39 4.64 -8.72	58.77 4.71 -12.01	58.75 4.91 -10.80	46.87 4.12 -3.14	42.49 3.80 -1.49	40.38 3.72 -0.90	38.16 3.73 -1.14	34.87 3.33 -1.29
ASTORIA_GT_8 24108	37.94 2.61 -5.04	35.15 2.39 -6.46	33.69 2.15 -7.66	31.98 1.83 -8.62	31.98 1.64 -11.55	31.87 1.63 -13.04	32.00 1.71 -12.48	30.64 1.22 -17.82	33.78 2.24 -9.54	37.44 2.60 -9.13	35.52 3.25 -0.69	38.43 3.65 -0.02	40.59 3.66 -0.01	45.16 3.73 -0.01	44.63 4.06 -0.01	47.73 4.34 -0.87	54.39 4.64 -8.72	58.82 4.75 -12.01	58.80 4.95 -10.80	46.87 4.12 -3.14	42.49 3.80 -1.49	40.52 3.86 -0.90	37.89 3.46 -1.14	34.69 3.15 -1.29
ASTORIA___2 24149	37.91 2.57 -5.04	35.10 2.34 -6.46	33.64 2.10 -7.66	31.94 1.79 -8.62	31.94 1.60 -11.55	31.84 1.60 -13.04	31.97 1.67 -12.48	30.61 1.19 -17.82	33.72 2.18 -9.54	37.39 2.55 -9.13	35.42 3.16 -0.69	38.32 3.55 -0.02	40.51 3.58 -0.01	45.16 3.73 -0.01	44.27 3.69 -0.01	47.61 4.21 -0.87	54.27 4.51 -8.72	58.69 4.63 -12.01	58.67 4.82 -10.80	46.80 4.04 -3.14	42.38 3.68 -1.49	40.27 3.61 -0.90	38.09 3.66 -1.14	34.81 3.27 -1.29
ASTORIA___3 23516	37.87 2.54 -5.03	35.07 2.32 -6.45	33.59 2.05 -7.65	31.89 1.74 -8.61	31.89 1.56 -11.54	31.79 1.56 -13.03	31.95 1.66 -12.48	30.60 1.18 -17.82	33.70 2.16 -9.54	37.30 2.47 -9.12	35.49 3.22 -0.69	38.24 3.47 -0.02	40.47 3.55 0.00	45.11 3.69 0.00	44.18 3.61 0.00	47.51 4.12 -0.87	54.05 4.31 -8.71	58.47 4.41 -12.00	58.40 4.56 -10.79	46.56 3.80 -3.14	42.23 3.54 -1.49	40.16 3.51 -0.89	37.93 3.49 -1.14	34.69 3.15 -1.29
ASTORIA___4 23517	37.84 2.51 -5.03	35.07 2.31 -6.45	33.59 2.05 -7.65	31.89 1.74 -8.61	31.90 1.56 -11.54	31.79 1.56 -13.03	31.95 1.66 -12.48	30.60 1.18 -17.82	33.70 2.16 -9.54	37.30 2.47 -9.12	35.52 3.25 -0.69	38.24 3.48 -0.02	40.43 3.51 0.00	44.98 3.56 0.00	44.46 3.89 0.00	47.55 4.17 -0.87	54.05 4.31 -8.71	58.47 4.42 -12.00	58.44 4.61 -10.79	46.56 3.80 -3.14	42.23 3.53 -1.49	40.23 3.58 -0.89	37.83 3.40 -1.14	34.66 3.12 -1.29
ASTORIA___5 23518	37.87 2.54 -5.03	35.07 2.32 -6.45	33.59 2.05 -7.65	31.89 1.74 -8.61	31.89 1.56 -11.54	31.79 1.56 -13.03	31.95 1.66 -12.48	30.60 1.18 -17.82	33.70 2.16 -9.54	37.30 2.47 -9.12	35.49 3.22 -0.69	38.24 3.47 -0.02	40.47 3.55 0.00	45.11 3.69 0.00	44.18 3.61 0.00	47.51 4.12 -0.87	54.05 4.31 -8.71	58.47 4.41 -12.00	58.40 4.56 -10.79	46.56 3.80 -3.14	42.23 3.54 -1.49	40.16 3.51 -0.89	37.93 3.49 -1.14	34.69 3.15 -1.29
AST_ENERGY_2_CC3 323677	37.72 2.39 -5.03	34.91 2.16 -6.45	33.45 1.91 -7.65	31.76 1.62 -8.61	31.80 1.47 -11.54	31.69 1.46 -13.03	31.83 1.55 -12.48	30.52 1.11 -17.81	33.55 2.02 -9.53	37.17 2.34 -9.12	35.32 3.06 -0.68	38.07 3.30 -0.02	40.25 3.32 0.00	44.99 3.56 0.00	44.06 3.49 0.00	47.34 3.96 -0.87	53.93 4.19 -8.71	58.35 4.29 -12.00	58.27 4.43 -10.79	46.48 3.72 -3.14	42.15 3.46 -1.49	40.05 3.40 -0.89	37.72 3.30 -1.13	34.50 2.97 -1.28
AST_ENERGY_2_CC4 323678	37.72 2.39 -5.03	34.91 2.16 -6.45	33.45 1.91 -7.65	31.76 1.62 -8.61	31.80 1.47 -11.54	31.69 1.46 -13.03	31.83 1.55 -12.48	30.52 1.11 -17.81	33.55 2.02 -9.53	37.17 2.34 -9.12	35.32 3.06 -0.68	38.07 3.30 -0.02	40.25 3.32 0.00	44.99 3.56 0.00	44.06 3.49 0.00	47.34 3.96 -0.87	53.93 4.19 -8.71	58.35 4.29 -12.00	58.27 4.43 -10.79	46.48 3.72 -3.14	42.15 3.46 -1.49	40.05 3.40 -0.89	37.72 3.30 -1.13	34.50 2.97 -1.28
ATHENS_STG_1 23668	37.05 1.42 -5.33	34.85 1.26 -7.28	33.67 1.15 -8.64	32.29 1.03 -9.72	32.74 0.92 -13.03	32.81 0.95 -14.67	32.83 0.98 -14.04	32.30 0.65 -20.05	33.94 1.21 -10.72	37.39 1.41 -10.27	34.02 1.70 -0.74	36.61 1.84 -0.02	38.66 1.74 0.00	43.20 1.78 0.00	42.40 1.83 0.00	45.55 2.08 -0.94	53.09 2.34 -9.72	57.85 2.40 -13.40	57.60 2.63 -11.93	45.22 2.18 -3.43	40.84 2.01 -1.62	38.74 2.00 -0.97	36.39 1.86 -1.23	33.35 1.69 -1.40
ATHENS_STG_2 23670	37.05 1.42 -5.33	34.85 1.26 -7.28	33.67 1.15 -8.64	32.29 1.03 -9.72	32.74 0.92 -13.03	32.81 0.95 -14.67	32.83 0.98 -14.04	32.30 0.65 -20.05	33.94 1.21 -10.72	37.39 1.41 -10.27	34.02 1.70 -0.74	36.61 1.84 -0.02	38.66 1.74 0.00	43.20 1.78 0.00	42.40 1.83 0.00	45.55 2.08 -0.94	53.09 2.34 -9.72	57.85 2.40 -13.40	57.60 2.63 -11.93	45.22 2.18 -3.43	40.84 2.01 -1.62	38.74 2.00 -0.97	36.39 1.86 -1.23	33.35 1.69 -1.40

ATHENS_STG_3 23677	37.05 1.42 -5.33	34.85 1.26 -7.28	33.67 1.15 -8.64	32.29 1.03 -9.72	32.74 0.92 -13.03	32.81 0.95 -14.67	32.83 0.98 -14.04	32.30 0.65 -20.05	33.94 1.21 -10.72	37.39 1.41 -10.27	34.02 1.70 -0.74	36.61 1.84 -0.02	38.66 1.74 0.00	43.20 1.78 0.00	42.40 1.83 0.00	45.55 2.08 -0.94	53.09 2.34 -9.72	57.85 2.40 -13.40	57.60 2.63 -11.93	45.22 2.18 -3.43	40.84 2.01 -1.62	38.74 2.00 -0.97	36.39 1.86 -1.23	33.35 1.69 -1.40
AUBURN____LFGE 323710	31.27 0.39 -0.58	27.31 0.24 -0.77	24.96 0.17 -0.91	22.71 0.15 -1.03	20.55 0.38 -1.37	19.74 0.34 -2.20	20.23 0.32 -2.10	14.83 0.23 -3.00	24.18 0.57 -1.61	27.94 0.69 -1.54	31.70 0.73 0.60	35.61 0.87 0.01	37.55 0.63 0.00	42.29 0.87 0.00	41.38 0.81 0.00	42.69 0.94 0.76	41.36 1.35 1.03	42.21 1.51 1.35	40.26 2.07 4.85	38.35 1.51 2.77	37.31 1.41 1.31	36.27 1.29 0.78	33.43 1.13 1.00	30.31 0.97 0.92
BABYLON_RES_REC 323704	42.71 3.39 -9.03	37.48 2.95 -8.23	36.41 2.65 -9.88	32.88 2.28 -9.07	32.92 2.07 -12.06	33.37 2.01 -14.16	32.73 2.10 -12.82	32.65 1.45 -19.61	38.82 2.73 -14.09	46.63 3.16 -17.76	38.78 3.76 -3.45	43.49 3.75 -4.98	47.16 3.69 -6.55	50.44 3.77 -5.25	52.32 3.73 -8.02	51.94 4.21 -5.21	60.24 4.51 -14.69	68.02 4.54 -21.42	64.73 4.73 -16.95	50.43 4.36 -6.45	45.06 4.02 -3.83	44.40 4.15 -4.49	40.85 4.36 -3.19	38.33 3.93 -4.14
BABYLON__69_KV_BK2 356345	43.22 3.91 -9.03	37.90 3.37 -8.23	36.79 3.03 -9.88	33.25 2.65 -9.07	33.19 2.33 -12.06	33.63 2.27 -14.16	33.02 2.39 -12.82	32.84 1.64 -19.61	39.24 3.15 -14.09	47.13 3.65 -17.76	40.13 4.39 -4.16	49.80 4.76 -10.29	49.91 4.69 -8.30	53.72 4.80 -7.49	58.26 5.07 -12.62	58.30 5.49 -10.30	74.36 5.70 -27.62	89.64 5.76 -41.83	79.32 5.98 -30.30	58.57 5.35 -13.61	51.10 4.99 -8.91	51.69 5.08 -10.85	45.21 4.93 -6.99	40.23 4.48 -5.49
BARON_WINDS____WT_PWR 323822	31.68 0.30 -1.08	27.75 0.13 -1.32	25.59 0.14 -1.56	23.38 0.09 -1.76	21.44 0.28 -2.36	20.82 0.36 -3.26	21.25 0.32 -3.12	16.30 0.25 -4.45	25.02 0.64 -2.38	28.74 0.75 -2.28	31.70 0.60 0.47	35.54 0.80 0.01	37.22 0.29 0.00	41.55 0.12 0.00	41.34 0.77 0.00	42.35 0.43 0.60	41.99 1.03 0.07	43.15 1.14 0.04	41.90 2.15 3.30	39.26 1.82 2.18	37.89 1.71 1.03	36.76 1.61 0.62	33.74 1.23 0.78	30.77 1.21 0.70
BARRETT_IC_1 23704	42.26 2.94 -9.03	37.09 2.55 -8.24	36.05 2.29 -9.88	32.61 2.00 -9.08	32.65 1.79 -12.07	33.14 1.77 -14.17	32.51 1.87 -12.83	32.51 1.30 -19.62	38.51 2.42 -14.09	46.25 2.78 -17.76	38.05 3.35 -3.13	40.35 3.61 -1.98	46.25 3.58 -5.75	49.45 3.81 -4.22	50.24 3.77 -5.90	49.60 4.21 -2.87	54.32 4.55 -8.73	58.65 4.58 -12.01	58.59 4.73 -10.81	47.01 4.24 -3.16	42.64 3.94 -1.49	40.52 3.86 -0.90	38.24 3.79 -1.15	36.96 3.45 -3.25
BARRETT_IC_10 23701	42.26 2.94 -9.03	37.09 2.55 -8.24	36.05 2.29 -9.88	32.61 2.00 -9.08	32.65 1.79 -12.07	33.14 1.77 -14.17	32.51 1.87 -12.83	32.51 1.30 -19.62	38.51 2.42 -14.09	46.25 2.78 -17.76	38.05 3.35 -3.13	40.35 3.61 -1.98	46.25 3.58 -5.75	49.45 3.81 -4.22	50.24 3.77 -5.90	49.60 4.21 -2.87	54.32 4.55 -8.73	58.65 4.58 -12.01	58.59 4.73 -10.81	47.01 4.24 -3.16	42.64 3.94 -1.49	40.52 3.86 -0.90	38.24 3.79 -1.15	36.96 3.45 -3.25
BARRETT_IC_11 23702	42.26 2.94 -9.03	37.09 2.55 -8.24	36.05 2.29 -9.88	32.61 2.00 -9.08	32.65 1.79 -12.07	33.14 1.77 -14.17	32.51 1.87 -12.83	32.51 1.30 -19.62	38.51 2.42 -14.09	46.25 2.78 -17.76	38.05 3.35 -3.13	40.35 3.61 -1.98	46.25 3.58 -5.75	49.45 3.81 -4.22	50.24 3.77 -5.90	49.60 4.21 -2.87	54.32 4.55 -8.73	58.65 4.58 -12.01	58.59 4.73 -10.81	47.01 4.24 -3.16	42.64 3.94 -1.49	40.52 3.86 -0.90	38.24 3.79 -1.15	36.96 3.45 -3.25
BARRETT_IC_12 23703	42.26 2.94 -9.03	37.09 2.55 -8.24	36.05 2.29 -9.88	32.61 2.00 -9.08	32.65 1.79 -12.07	33.14 1.77 -14.17	32.51 1.87 -12.83	32.51 1.30 -19.62	38.51 2.42 -14.09	46.25 2.78 -17.76	38.05 3.35 -3.13	40.35 3.61 -1.98	46.25 3.58 -5.75	49.45 3.81 -4.22	50.24 3.77 -5.90	49.60 4.21 -2.87	54.32 4.55 -8.73	58.65 4.58 -12.01	58.59 4.73 -10.81	47.01 4.24 -3.16	42.64 3.94 -1.49	40.52 3.86 -0.90	38.24 3.79 -1.15	36.96 3.45 -3.25
BARRETT_IC_2 23705	42.26 2.94 -9.03	37.09 2.55 -8.24	36.05 2.29 -9.88	32.61 2.00 -9.08	32.65 1.79 -12.07	33.14 1.77 -14.17	32.51 1.87 -12.83	32.51 1.30 -19.62	38.51 2.42 -14.09	46.25 2.78 -17.76	38.05 3.35 -3.13	40.35 3.61 -1.98	46.25 3.58 -5.75	49.45 3.81 -4.22	50.24 3.77 -5.90	49.60 4.21 -2.87	54.32 4.55 -8.73	58.65 4.58 -12.01	58.59 4.73 -10.81	47.01 4.24 -3.16	42.64 3.94 -1.49	40.52 3.86 -0.90	38.24 3.79 -1.15	36.96 3.45 -3.25
BARRETT_IC_3 23706	42.26 2.94 -9.03	37.09 2.55 -8.24	36.05 2.29 -9.88	32.61 2.00 -9.08	32.65 1.79 -12.07	33.14 1.77 -14.17	32.51 1.87 -12.83	32.51 1.30 -19.62	38.51 2.42 -14.09	46.25 2.78 -17.76	38.05 3.35 -3.13	40.35 3.61 -1.98	46.25 3.58 -5.75	49.45 3.81 -4.22	50.24 3.77 -5.90	49.60 4.21 -2.87	54.32 4.55 -8.73	58.65 4.58 -12.01	58.59 4.73 -10.81	47.01 4.24 -3.16	42.64 3.94 -1.49	40.52 3.86 -0.90	38.24 3.79 -1.15	36.96 3.45 -3.25
BARRETT_IC_4 23707	42.26 2.94 -9.03	37.09 2.55 -8.24	36.05 2.29 -9.88	32.61 2.00 -9.08	32.65 1.79 -12.07	33.14 1.77 -14.17	32.51 1.87 -12.83	32.51 1.30 -19.62	38.51 2.42 -14.09	46.25 2.78 -17.76	38.05 3.35 -3.13	40.35 3.61 -1.98	46.25 3.58 -5.75	49.45 3.81 -4.22	50.24 3.77 -5.90	49.60 4.21 -2.87	54.32 4.55 -8.73	58.65 4.58 -12.01	58.59 4.73 -10.81	47.01 4.24 -3.16	42.64 3.94 -1.49	40.52 3.86 -0.90	38.24 3.79 -1.15	36.96 3.45 -3.25
BARRETT_IC_5 23708	42.26 2.94 -9.03	37.09 2.55 -8.24	36.05 2.29 -9.88	32.61 2.00 -9.08	32.65 1.79 -12.07	33.14 1.77 -14.17	32.51 1.87 -12.83	32.51 1.30 -19.62	38.51 2.42 -14.09	46.25 2.78 -17.76	38.05 3.35 -3.13	40.35 3.61 -1.98	46.25 3.58 -5.75	49.45 3.81 -4.22	50.24 3.77 -5.90	49.60 4.21 -2.87	54.32 4.55 -8.73	58.65 4.58 -12.01	58.59 4.73 -10.81	47.01 4.24 -3.16	42.64 3.94 -1.49	40.52 3.86 -0.90	38.24 3.79 -1.15	36.96 3.45 -3.25
BARRETT_IC_6 23709	42.26 2.94 -9.03	37.09 2.55 -8.24	36.05 2.29 -9.88	32.61 2.00 -9.08	32.65 1.79 -12.07	33.14 1.77 -14.17	32.51 1.87 -12.83	32.51 1.30 -19.62	38.51 2.42 -14.09	46.25 2.78 -17.76	38.05 3.35 -3.13	40.35 3.61 -1.98	46.25 3.58 -5.75	49.45 3.81 -4.22	50.24 3.77 -5.90	49.60 4.21 -2.87	54.32 4.55 -8.73	58.65 4.58 -12.01	58.59 4.73 -10.81	47.01 4.24 -3.16	42.64 3.94 -1.49	40.52 3.86 -0.90	38.24 3.79 -1.15	36.96 3.45 -3.25
BARRETT_IC_7 23710	42.23 2.91 -9.03	37.09 2.55 -8.23	36.05 2.29 -9.88	32.61 2.00 -9.07	32.64 1.79 -12.06	33.13 1.77 -14.16	32.50 1.87 -12.82	32.50 1.30 -19.61	38.51 2.42 -14.09	46.24 2.78 -17.75	38.08 3.38 -3.12	40.34 3.61 -1.97	46.29 3.62 -5.74	49.28 3.65 -4.21	50.40 3.94 -5.90	49.63 4.25 -2.86	54.30 4.56 -8.71	58.64 4.58 -12.01	58.62 4.78 -10.80	46.99 4.24 -3.14	42.60 3.91 -1.49	40.55 3.90 -0.89	38.24 3.80 -1.15	36.95 3.45 -3.24

BARRETT_IC_8 23711	42.26 2.94 -9.03	37.09 2.55 -8.24	36.05 2.29 -9.88	32.61 2.00 -9.08	32.65 1.79 -12.07	33.14 1.77 -14.17	32.51 1.87 -12.83	32.51 1.30 -19.62	38.51 2.42 -14.09	46.25 2.78 -17.76	38.05 3.35 -3.13	40.35 3.61 -1.98	46.25 3.58 -5.75	49.45 3.81 -4.22	50.24 3.77 -5.90	49.60 4.21 -2.87	54.32 4.55 -8.73	58.65 4.58 -12.01	58.59 4.73 -10.81	47.01 4.24 -3.16	42.64 3.94 -1.49	40.52 3.86 -0.90	38.24 3.79 -1.15	36.96 3.45 -3.25
BARRETT_IC_9 23700	42.26 2.94 -9.03	37.09 2.55 -8.24	36.05 2.29 -9.88	32.61 2.00 -9.08	32.65 1.79 -12.07	33.14 1.77 -14.17	32.51 1.87 -12.83	32.51 1.30 -19.62	38.51 2.42 -14.09	46.25 2.78 -17.76	38.05 3.35 -3.13	40.35 3.61 -1.98	46.25 3.58 -5.75	49.45 3.81 -4.22	50.24 3.77 -5.90	49.60 4.21 -2.87	54.32 4.55 -8.73	58.65 4.58 -12.01	58.59 4.73 -10.81	47.01 4.24 -3.16	42.64 3.94 -1.49	40.52 3.86 -0.90	38.24 3.79 -1.15	36.96 3.45 -3.25
BARRETT___1 23545	42.26 2.94 -9.03	37.09 2.55 -8.24	36.05 2.29 -9.88	32.61 2.00 -9.08	32.65 1.79 -12.07	33.14 1.77 -14.17	32.51 1.87 -12.83	32.51 1.30 -19.62	38.51 2.42 -14.09	46.25 2.78 -17.76	38.05 3.35 -3.13	40.35 3.61 -1.98	46.25 3.58 -5.75	49.45 3.81 -4.22	50.24 3.77 -5.90	49.60 4.21 -2.87	54.32 4.55 -8.73	58.65 4.58 -12.01	58.59 4.73 -10.81	47.01 4.24 -3.16	42.64 3.94 -1.49	40.52 3.86 -0.90	38.24 3.79 -1.15	36.96 3.45 -3.25
BARRETT___2 23546	42.26 2.94 -9.03	37.09 2.55 -8.24	36.05 2.29 -9.88	32.61 2.00 -9.08	32.65 1.79 -12.07	33.14 1.77 -14.17	32.51 1.87 -12.83	32.51 1.30 -19.62	38.51 2.42 -14.09	46.25 2.78 -17.76	38.05 3.35 -3.13	40.35 3.61 -1.98	46.25 3.58 -5.75	49.45 3.81 -4.22	50.24 3.77 -5.90	49.60 4.21 -2.87	54.32 4.55 -8.73	58.65 4.58 -12.01	58.59 4.73 -10.81	47.01 4.24 -3.16	42.64 3.94 -1.49	40.52 3.86 -0.90	38.24 3.79 -1.15	36.96 3.45 -3.25
BATAVIA___115KV_TB1 55881	31.29 0.33 -0.66	27.51 0.34 -0.86	25.22 0.31 -1.03	22.88 0.19 -1.15	20.76 0.41 -1.55	20.02 0.43 -2.39	20.48 0.37 -2.29	15.15 0.28 -3.27	24.52 0.77 -1.75	28.39 1.00 -1.68	31.30 0.32 0.59	35.47 0.73 0.01	36.89 -0.04 0.00	42.09 0.66 0.00	40.65 0.08 0.00	41.85 0.09 0.75	41.24 1.11 0.91	42.05 1.18 1.18	40.97 2.63 4.70	38.83 1.94 2.73	37.85 1.93 1.29	36.85 1.86 0.77	33.91 1.60 0.98	30.93 1.57 0.90
BAYONEEC___CTG1 323682	37.75 2.42 -5.03	34.93 2.18 -6.45	33.47 1.93 -7.65	31.80 1.66 -8.61	31.82 1.48 -11.54	31.71 1.48 -13.03	31.87 1.58 -12.48	30.54 1.12 -17.81	33.60 2.07 -9.53	37.20 2.36 -9.12	35.32 3.06 -0.68	38.07 3.30 -0.02	40.25 3.32 0.00	44.99 3.56 0.00	44.10 3.53 0.00	47.38 4.00 -0.87	53.93 4.19 -8.71	58.35 4.29 -12.00	58.32 4.48 -10.79	46.52 3.77 -3.14	42.15 3.46 -1.49	40.05 3.40 -0.89	37.72 3.30 -1.13	34.53 3.00 -1.28
BAYONEEC___CTG10 323750	37.75 2.42 -5.03	34.93 2.18 -6.45	33.47 1.93 -7.65	31.80 1.66 -8.61	31.82 1.48 -11.54	31.71 1.48 -13.03	31.87 1.58 -12.48	30.54 1.12 -17.81	33.60 2.07 -9.53	37.20 2.36 -9.12	35.32 3.06 -0.68	38.07 3.30 -0.02	40.25 3.32 0.00	44.99 3.56 0.00	44.10 3.53 0.00	47.38 4.00 -0.87	53.93 4.19 -8.71	58.35 4.29 -12.00	58.32 4.48 -10.79	46.52 3.77 -3.14	42.15 3.46 -1.49	40.05 3.40 -0.89	37.72 3.30 -1.13	34.53 3.00 -1.28
BAYONEEC___CTG2 323683	37.75 2.42 -5.03	34.93 2.18 -6.45	33.47 1.93 -7.65	31.80 1.66 -8.61	31.82 1.48 -11.54	31.71 1.48 -13.03	31.87 1.58 -12.48	30.54 1.12 -17.81	33.60 2.07 -9.53	37.20 2.36 -9.12	35.32 3.06 -0.68	38.07 3.30 -0.02	40.25 3.32 0.00	44.99 3.56 0.00	44.10 3.53 0.00	47.38 4.00 -0.87	53.93 4.19 -8.71	58.35 4.29 -12.00	58.32 4.48 -10.79	46.52 3.77 -3.14	42.15 3.46 -1.49	40.05 3.40 -0.89	37.72 3.30 -1.13	34.53 3.00 -1.28
BAYONEEC___CTG3 323684	37.75 2.42 -5.03	34.93 2.18 -6.45	33.47 1.93 -7.65	31.80 1.66 -8.61	31.82 1.48 -11.54	31.71 1.48 -13.03	31.87 1.58 -12.48	30.54 1.12 -17.81	33.60 2.07 -9.53	37.20 2.36 -9.12	35.32 3.06 -0.68	38.07 3.30 -0.02	40.25 3.32 0.00	44.99 3.56 0.00	44.10 3.53 0.00	47.38 4.00 -0.87	53.93 4.19 -8.71	58.35 4.29 -12.00	58.32 4.48 -10.79	46.52 3.77 -3.14	42.15 3.46 -1.49	40.05 3.40 -0.89	37.72 3.30 -1.13	34.53 3.00 -1.28
BAYONEEC___CTG4 323685	37.75 2.42 -5.03	34.93 2.18 -6.45	33.47 1.93 -7.65	31.80 1.66 -8.61	31.82 1.48 -11.54	31.71 1.48 -13.03	31.87 1.58 -12.48	30.54 1.12 -17.81	33.60 2.07 -9.53	37.20 2.36 -9.12	35.32 3.06 -0.68	38.07 3.30 -0.02	40.25 3.32 0.00	44.99 3.56 0.00	44.10 3.53 0.00	47.38 4.00 -0.87	53.93 4.19 -8.71	58.35 4.29 -12.00	58.32 4.48 -10.79	46.52 3.77 -3.14	42.15 3.46 -1.49	40.05 3.40 -0.89	37.72 3.30 -1.13	34.53 3.00 -1.28
BAYONEEC___CTG5 323686	37.75 2.42 -5.03	34.93 2.18 -6.45	33.47 1.93 -7.65	31.80 1.66 -8.61	31.82 1.48 -11.54	31.71 1.48 -13.03	31.87 1.58 -12.48	30.54 1.12 -17.81	33.60 2.07 -9.53	37.20 2.36 -9.12	35.32 3.06 -0.68	38.07 3.30 -0.02	40.25 3.32 0.00	44.99 3.56 0.00	44.10 3.53 0.00	47.38 4.00 -0.87	53.93 4.19 -8.71	58.35 4.29 -12.00	58.32 4.48 -10.79	46.52 3.77 -3.14	42.15 3.46 -1.49	40.05 3.40 -0.89	37.72 3.30 -1.13	34.53 3.00 -1.28
BAYONEEC___CTG6 323687	37.75 2.42 -5.03	34.93 2.18 -6.45	33.47 1.93 -7.65	31.80 1.66 -8.61	31.82 1.48 -11.54	31.71 1.48 -13.03	31.87 1.58 -12.48	30.54 1.12 -17.81	33.60 2.07 -9.53	37.20 2.36 -9.12	35.32 3.06 -0.68	38.07 3.30 -0.02	40.25 3.32 0.00	44.99 3.56 0.00	44.10 3.53 0.00	47.38 4.00 -0.87	53.93 4.19 -8.71	58.35 4.29 -12.00	58.32 4.48 -10.79	46.52 3.77 -3.14	42.15 3.46 -1.49	40.05 3.40 -0.89	37.72 3.30 -1.13	34.53 3.00 -1.28
BAYONEEC___CTG7 323688	37.75 2.42 -5.03	34.93 2.18 -6.45	33.47 1.93 -7.65	31.80 1.66 -8.61	31.82 1.48 -11.54	31.71 1.48 -13.03	31.87 1.58 -12.48	30.54 1.12 -17.81	33.60 2.07 -9.53	37.20 2.36 -9.12	35.32 3.06 -0.68	38.07 3.30 -0.02	40.25 3.32 0.00	44.99 3.56 0.00	44.10 3.53 0.00	47.38 4.00 -0.87	53.93 4.19 -8.71	58.35 4.29 -12.00	58.32 4.48 -10.79	46.52 3.77 -3.14	42.15 3.46 -1.49	40.05 3.40 -0.89	37.72 3.30 -1.13	34.53 3.00 -1.28
BAYONEEC___CTG8 323689	37.75 2.42 -5.03	34.93 2.18 -6.45	33.47 1.93 -7.65	31.80 1.66 -8.61	31.82 1.48 -11.54	31.71 1.48 -13.03	31.87 1.58 -12.48	30.54 1.12 -17.81	33.60 2.07 -9.53	37.20 2.36 -9.12	35.32 3.06 -0.68	38.07 3.30 -0.02	40.25 3.32 0.00	44.99 3.56 0.00	44.10 3.53 0.00	47.38 4.00 -0.87	53.93 4.19 -8.71	58.35 4.29 -12.00	58.32 4.48 -10.79	46.52 3.77 -3.14	42.15 3.46 -1.49	40.05 3.40 -0.89	37.72 3.30 -1.13	34.53 3.00 -1.28
BAYONEEC___CTG9 323749	37.75 2.42 -5.03	34.93 2.18 -6.45	33.47 1.93 -7.65	31.80 1.66 -8.61	31.82 1.48 -11.54	31.71 1.48 -13.03	31.87 1.58 -12.48	30.54 1.12 -17.81	33.60 2.07 -9.53	37.20 2.36 -9.12	35.32 3.06 -0.68	38.07 3.30 -0.02	40.25 3.32 0.00	44.99 3.56 0.00	44.10 3.53 0.00	47.38 4.00 -0.87	53.93 4.19 -8.71	58.35 4.29 -12.00	58.32 4.48 -10.79	46.52 3.77 -3.14	42.15 3.46 -1.49	40.05 3.40 -0.89	37.72 3.30 -1.13	34.53 3.00 -1.28

BEACON___LESR 323632	41.04 1.48 -9.26	34.87 1.31 -7.26	33.86 1.17 -8.81	33.58 1.03 -11.02	34.08 0.92 -14.36	34.16 0.93 -16.04	33.19 0.94 -14.44	31.06 0.63 -18.84	27.79 1.30 -4.49	33.29 1.57 -6.01	35.37 1.89 -1.90	36.92 2.12 -0.05	36.92 1.92 1.93	43.37 1.95 0.00	40.34 2.11 2.34	45.79 2.38 -0.89	52.94 2.46 -9.44	55.80 2.61 -11.14	46.76 2.93 -0.79	39.43 2.50 2.68	36.47 2.23 2.97	35.24 2.15 2.67	38.51 2.06 -3.15	35.37 1.85 -3.27
BEAVER RIVER___HYD 24048	30.14 -0.15 0.00	26.30 -0.24 -0.24	23.88 -0.29 -0.28	21.59 -0.26 -0.32	18.89 -0.34 -0.43	18.03 -0.22 -1.06	18.63 -0.20 -1.01	12.91 -0.14 -1.45	22.60 -0.18 -0.77	26.27 -0.18 -0.74	30.63 -0.35 0.60	34.32 -0.42 0.01	36.41 -0.52 0.00	41.05 -0.37 0.00	40.16 -0.41 0.00	41.47 -0.30 0.76	39.10 -0.37 1.57	39.83 -0.13 2.10	38.20 0.34 5.19	37.11 0.24 2.75	36.13 0.22 1.30	35.06 0.07 0.78	32.37 0.07 0.99	29.24 -0.09 0.93
BEEBEE_GT_13 23619	30.93 0.09 -0.55	27.23 0.18 -0.74	24.91 0.14 -0.88	22.61 0.09 -0.99	20.39 0.26 -1.33	19.65 0.29 -2.16	20.13 0.25 -2.07	14.75 0.20 -2.95	24.20 0.62 -1.58	28.07 0.85 -1.51	31.20 0.25 0.62	35.29 0.56 0.02	36.96 0.04 0.00	42.00 0.58 0.00	40.69 0.12 0.00	41.90 0.17 0.79	40.97 1.07 1.13	41.62 1.05 1.49	40.07 2.11 5.08	38.05 1.31 2.88	37.19 1.34 1.36	36.24 1.29 0.81	33.32 1.07 1.03	30.36 1.06 0.96
BENSHRST_27_KV_BENSHRST_1 355998	38.21 2.88 -5.04	35.36 2.60 -6.46	33.88 2.34 -7.66	32.13 1.98 -8.62	32.11 1.77 -11.55	31.99 1.75 -13.04	32.16 1.87 -12.48	30.73 1.31 -17.82	33.94 2.40 -9.54	37.63 2.80 -9.12	35.93 3.66 -0.69	38.74 3.96 -0.02	41.04 4.06 -0.06	45.66 4.18 -0.06	50.52 4.46 -5.49	79.48 4.80 -32.16	79.49 4.97 -33.49	84.37 5.09 -37.22	78.39 5.29 -30.05	47.16 4.40 -3.15	42.79 4.09 -1.49	40.79 4.08 -0.95	38.40 3.86 -1.24	35.02 3.48 -1.29
BETHLEHEM___GRP 23843	40.58 0.94 -9.35	34.52 0.84 -7.37	33.55 0.74 -8.93	33.24 0.67 -11.04	33.82 0.60 -14.42	33.94 0.62 -16.12	33.05 0.62 -14.62	31.31 0.43 -19.28	28.18 0.86 -5.32	33.37 1.03 -6.63	34.66 1.20 -1.89	36.12 1.32 -0.05	36.31 1.11 1.72	42.38 0.95 0.00	39.74 1.26 2.09	44.96 1.40 -1.04	52.60 1.60 -9.96	55.79 1.68 -12.05	48.03 1.89 -3.09	39.64 1.54 1.52	36.39 1.41 2.24	35.02 1.39 2.14	37.78 1.37 -3.12	34.77 1.27 -3.24
BETHLEHEM___GS1 323560	40.58 0.94 -9.35	34.52 0.84 -7.37	33.55 0.74 -8.93	33.24 0.67 -11.04	33.82 0.60 -14.42	33.94 0.62 -16.12	33.05 0.62 -14.62	31.30 0.42 -19.28	28.18 0.86 -5.32	33.37 1.03 -6.63	34.66 1.20 -1.89	36.12 1.32 -0.05	36.31 1.11 1.72	42.46 1.04 0.00	39.66 1.18 2.09	44.96 1.40 -1.04	52.60 1.60 -9.96	55.79 1.68 -12.05	48.02 1.89 -3.09	39.64 1.54 1.52	36.39 1.41 2.24	35.02 1.39 2.14	37.78 1.37 -3.12	34.74 1.24 -3.24
BETHLEHEM___GS2 323561	40.58 0.94 -9.35	34.52 0.84 -7.37	33.55 0.74 -8.93	33.24 0.67 -11.04	33.82 0.60 -14.42	33.94 0.62 -16.12	33.05 0.62 -14.62	31.30 0.42 -19.28	28.18 0.86 -5.32	33.37 1.03 -6.63	34.66 1.20 -1.89	36.12 1.32 -0.05	36.31 1.11 1.72	42.46 1.04 0.00	39.66 1.18 2.09	44.96 1.40 -1.04	52.60 1.60 -9.96	55.79 1.68 -12.05	48.02 1.89 -3.09	39.64 1.54 1.52	36.39 1.41 2.24	35.02 1.39 2.14	37.78 1.37 -3.12	34.74 1.24 -3.24
BETHLEHEM___GS3 323562	40.58 0.94 -9.35	34.52 0.84 -7.37	33.55 0.74 -8.93	33.24 0.67 -11.04	33.82 0.60 -14.42	33.94 0.62 -16.12	33.05 0.62 -14.62	31.30 0.42 -19.28	28.18 0.86 -5.32	33.37 1.03 -6.63	34.66 1.20 -1.89	36.12 1.32 -0.05	36.31 1.11 1.72	42.46 1.04 0.00	39.66 1.18 2.09	44.96 1.40 -1.04	52.60 1.60 -9.96	55.79 1.68 -12.05	48.02 1.89 -3.09	39.64 1.54 1.52	36.39 1.41 2.24	35.02 1.39 2.14	37.78 1.37 -3.12	34.74 1.24 -3.24
BETHLEHEM___STEEL 23779	30.99 -0.09 -0.79	27.10 -0.21 -1.01	24.93 -0.14 -1.19	22.66 -0.22 -1.34	20.71 0.11 -1.80	20.07 0.21 -2.66	20.48 0.12 -2.55	15.37 0.14 -3.64	24.41 0.46 -1.95	28.19 0.62 -1.86	31.15 0.13 0.56	35.26 0.52 0.01	36.66 -0.26 0.00	41.75 0.33 0.00	40.45 -0.12 0.00	41.65 -0.17 0.71	41.04 0.66 0.65	41.90 0.67 0.83	40.71 1.94 4.27	38.60 1.54 2.56	37.45 1.45 1.21	36.43 1.39 0.73	33.61 1.23 0.92	30.60 1.18 0.84
BETHLHEM_115KV_TB1 79974	40.48 1.00 -9.19	34.63 0.89 -7.43	33.68 0.81 -8.99	33.27 0.71 -11.03	33.88 0.64 -14.44	34.01 0.67 -16.15	33.19 0.68 -14.70	31.57 0.45 -19.52	28.72 0.90 -5.81	33.78 1.08 -6.99	34.67 1.26 -1.83	36.19 1.39 -0.05	36.51 1.18 1.59	42.46 1.04 0.00	39.97 1.34 1.94	45.08 1.49 -1.07	52.83 1.68 -10.11	56.20 1.77 -12.38	49.08 1.98 -4.05	40.25 1.66 1.02	36.81 1.49 1.89	35.36 1.47 1.87	37.79 1.46 -3.04	34.75 1.33 -3.16
BETHPAGE_CC_5 323564	42.38 3.06 -9.03	37.22 2.68 -8.23	36.22 2.46 -9.88	32.74 2.13 -9.07	32.76 1.90 -12.06	33.23 1.87 -14.16	32.59 1.96 -12.82	32.57 1.37 -19.61	38.60 2.51 -14.09	46.34 2.88 -17.75	38.32 3.54 -3.21	42.15 3.82 -3.58	46.69 3.80 -5.96	49.94 4.02 -4.50	51.06 4.02 -6.48	50.49 4.46 -3.50	56.15 4.76 -10.35	61.43 4.79 -14.58	60.43 4.91 -12.48	48.06 4.40 -4.05	43.39 4.06 -2.13	42.60 4.04 -2.80	39.37 3.96 -2.12	37.53 3.60 -3.67
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	31.04 -0.06 -0.80	27.06 -0.26 -1.02	24.92 -0.17 -1.21	22.65 -0.24 -1.36	20.69 0.08 -1.82	20.06 0.17 -2.69	20.49 0.11 -2.57	15.40 0.13 -3.67	24.41 0.44 -1.96	28.18 0.59 -1.88	31.24 0.22 0.55	35.36 0.63 0.01	36.78 -0.15 0.00	41.84 0.41 0.00	40.57 0.00 0.00	41.78 -0.04 0.70	41.07 0.66 0.62	41.93 0.67 0.80	40.75 1.94 4.23	38.73 1.66 2.54	37.53 1.53 1.20	36.51 1.47 0.72	33.68 1.30 0.92	30.63 1.21 0.84
BINGHAMTON___COGEN 23790	32.45 0.48 -1.68	28.54 0.34 -1.90	26.45 0.31 -2.25	24.35 0.28 -2.54	22.51 0.32 -3.40	21.97 0.41 -4.36	22.40 0.41 -4.18	17.85 0.29 -5.96	25.83 0.64 -3.19	29.51 0.75 -3.05	32.06 0.79 0.31	35.68 0.94 0.01	37.59 0.66 0.00	42.25 0.83 0.00	41.42 0.85 0.00	43.07 0.94 0.39	43.39 1.31 -1.04	44.97 1.43 -1.49	43.69 2.02 1.38	39.82 1.62 1.42	38.03 1.49 0.67	36.79 1.43 0.40	34.05 1.27 0.51	30.96 1.12 0.42
BIXINCNT_115KV_LOAD 355685	31.06 -0.09 -0.86	26.91 -0.47 -1.08	24.90 -0.26 -1.28	22.63 -0.34 -1.44	20.71 -0.02 -1.93	20.12 0.12 -2.80	20.55 0.05 -2.68	15.54 0.12 -3.83	24.47 0.42 -2.05	28.24 0.57 -1.96	31.54 0.51 0.54	35.61 0.87 0.01	37.00 0.07 0.00	41.96 0.54 0.00	40.81 0.24 0.00	42.05 0.21 0.68	41.14 0.62 0.51	42.04 0.63 0.64	40.73 1.72 4.04	38.93 1.78 2.47	37.68 1.64 1.17	36.60 1.54 0.70	33.77 1.37 0.89	30.69 1.24 0.81
BLACK RIVER___HYD 24047	30.41 0.12 0.00	26.60 -0.03 -0.32	24.13 -0.14 -0.38	21.83 -0.13 -0.43	19.17 -0.21 -0.58	18.35 -0.10 -1.26	18.94 -0.07 -1.20	13.25 -0.07 -1.72	22.90 -0.02 -0.92	26.59 0.00 -0.88	30.83 -0.13 0.62	34.60 -0.14 0.02	36.44 -0.48 0.00	41.13 -0.29 0.00	40.24 -0.33 0.00	41.57 -0.17 0.78	39.49 0.00 1.54	40.29 0.30 2.06	38.81 1.08 5.31	37.65 0.87 2.84	36.68 0.82 1.34	35.57 0.61 0.80	32.77 0.50 1.02	29.54 0.24 0.96

BLACKRVR_115KV_TB2 79977	30.41 0.12 0.00	26.60 -0.03 -0.32	24.12 -0.14 -0.38	21.83 -0.13 -0.43	19.17 -0.21 -0.58	18.35 -0.10 -1.26	18.94 -0.07 -1.20	13.25 -0.07 -1.72	22.90 -0.02 -0.92	26.59 0.00 -0.88	30.83 -0.13 0.62	34.60 -0.14 0.02	36.44 -0.48 0.00	41.13 -0.29 0.00	40.12 -0.45 0.00	41.53 -0.21 0.78	39.41 -0.08 1.54	40.20 0.21 2.06	38.72 0.99 5.31	37.65 0.87 2.84	36.72 0.86 1.34	35.60 0.64 0.80	32.81 0.53 1.02	29.54 0.24 0.96
BLISS_WT_PWR 323608	30.97 -0.18 -0.86	26.86 -0.53 -1.08	24.88 -0.29 -1.28	22.60 -0.37 -1.44	20.71 -0.02 -1.93	20.10 0.10 -2.80	20.55 0.05 -2.68	15.56 0.13 -3.83	24.47 0.42 -2.05	28.26 0.59 -1.96	31.58 0.54 0.54	35.64 0.90 0.01	37.03 0.11 0.00	41.26 -0.17 0.00	41.30 0.73 0.00	41.97 0.13 0.68	41.06 0.53 0.51	42.00 0.59 0.64	40.64 1.64 4.04	38.88 1.74 2.47	37.60 1.56 1.17	36.53 1.47 0.70	33.27 0.86 0.89	30.36 0.91 0.81
BLUE_CIRC_CHEM_DRP 24182	40.05 1.42 -8.34	35.06 1.24 -7.52	34.05 1.12 -9.04	33.39 1.03 -10.83	33.98 0.92 -14.27	34.08 0.91 -15.97	33.49 0.93 -14.76	32.23 0.59 -20.04	30.66 1.19 -7.47	35.30 1.44 -8.15	34.83 1.67 -1.58	36.67 1.88 -0.04	37.35 1.55 1.12	42.91 1.49 0.00	40.95 1.74 1.36	45.59 1.96 -1.12	53.53 2.13 -10.36	57.46 2.23 -13.17	52.64 2.50 -7.10	42.36 2.14 -0.60	38.44 1.93 0.70	36.72 1.90 0.94	37.84 1.93 -2.61	34.79 1.79 -2.75
BOC_GAS_DRP 24189	39.74 1.15 -8.30	35.09 1.03 -7.77	34.12 0.93 -9.30	33.36 0.84 -10.99	34.09 0.75 -14.54	34.25 0.77 -16.28	33.77 0.80 -15.16	32.94 0.52 -20.82	31.55 1.01 -8.54	35.89 1.21 -8.97	34.50 1.39 -1.53	36.32 1.53 -0.04	37.36 1.33 0.90	42.67 1.24 0.00	40.98 1.50 1.09	45.38 1.62 -1.24	53.82 1.85 -10.94	58.18 1.93 -14.19	54.58 2.11 -9.43	43.14 1.78 -1.74	38.88 1.64 -0.04	36.98 1.61 0.39	37.43 1.60 -2.54	34.39 1.45 -2.68
BOONVILLE_115KV_TB1 79983	30.99 0.70 0.00	27.03 0.53 -0.20	24.53 0.41 -0.24	22.17 0.37 -0.27	19.37 0.21 -0.37	18.77 0.40 -1.18	19.37 0.43 -1.13	13.49 0.28 -1.61	23.53 0.66 -0.86	27.36 0.82 -0.83	31.65 0.88 0.81	35.74 1.01 0.02	37.74 0.81 0.00	42.50 1.08 0.00	41.58 1.01 0.00	42.72 1.23 1.03	40.25 1.48 2.26	40.62 1.60 3.04	37.99 2.11 7.16	37.50 1.62 3.74	36.93 1.49 1.77	36.06 1.36 1.06	33.18 1.23 1.35	29.95 0.97 1.27
BORALEX_4TH_BRANCH 23824	48.24 2.12 -15.83	37.90 1.87 -9.73	36.79 1.67 -11.23	34.06 1.48 -11.04	35.48 1.30 -15.38	35.85 1.27 -17.38	37.11 1.30 -18.00	40.82 0.89 -28.33	47.19 1.76 -23.42	47.65 2.06 -19.89	36.38 2.27 -2.53	37.32 2.50 -0.06	42.21 2.44 -2.85	43.87 2.60 0.00	50.83 2.85 -3.46	68.76 3.08 -5.46	81.64 3.16 -24.64	109.06 3.44 -36.42	71.25 3.09 -62.57	56.09 2.87 -28.55	49.50 2.82 -16.02	40.11 2.63 -10.91	36.97 2.45 -4.18	
BOWLINE___1 23526	37.19 2.06 -4.83	34.34 1.84 -6.20	32.88 1.65 -7.35	31.20 1.40 -8.28	31.14 1.26 -11.09	31.00 1.27 -12.54	31.15 1.34 -12.00	29.68 0.95 -17.14	32.91 1.74 -9.17	36.49 2.01 -8.78	34.81 2.59 -0.64	37.62 2.85 -0.02	39.69 2.77 0.00	44.28 2.86 0.00	43.37 2.80 0.00	46.56 3.23 -0.81	52.89 3.53 -8.32	57.14 3.62 -11.46	57.02 3.74 -10.23	45.73 3.17 -2.94	41.65 3.05 -1.39	39.63 3.04 -0.83	37.18 2.83 -1.06	34.00 2.54 -1.20
BOWLINE___2 23595	37.19 2.06 -4.83	34.34 1.84 -6.20	32.88 1.65 -7.35	31.20 1.40 -8.28	31.16 1.28 -11.09	31.01 1.27 -12.54	31.15 1.34 -12.00	29.69 0.95 -17.14	32.91 1.74 -9.17	36.52 2.03 -8.78	34.81 2.59 -0.64	37.62 2.85 -0.02	39.73 2.80 0.00	44.32 2.90 0.00	43.45 2.88 0.00	46.61 3.27 -0.81	52.93 3.57 -8.32	57.18 3.66 -11.47	57.10 3.83 -10.23	45.76 3.21 -2.94	41.69 3.09 -1.39	39.64 3.04 -0.83	37.18 2.83 -1.06	34.00 2.54 -1.20
BRADY___115KV_TB2 356060	29.81 -0.48 0.00	25.80 -0.50 0.00	23.41 -0.48 0.00	21.10 -0.43 0.00	18.20 -0.60 0.00	17.05 -0.55 -0.40	17.66 -0.53 -0.38	11.78 -0.36 -0.55	21.59 -0.70 -0.29	25.17 -0.82 -0.28	30.30 -0.98 0.29	33.56 -1.18 0.01	36.44 -0.48 0.00	41.09 -0.33 0.00	40.12 -0.45 0.00	41.60 -0.55 0.37	38.65 -1.56 0.83	39.42 -1.51 1.12	38.59 -1.85 2.60	36.88 -1.39 1.35	35.34 -1.23 0.64	34.13 -1.25 0.38	31.64 -1.17 0.49	28.71 -1.09 0.46
BRANSCOMB___SOLAR 323811	50.49 2.27 -17.93	37.88 1.92 -9.66	36.80 1.70 -11.22	34.47 1.51 -11.43	35.91 1.35 -15.76	36.27 1.31 -17.77	37.16 1.32 -18.03	40.18 0.85 -27.73	44.87 1.80 -21.07	46.10 2.13 -18.26	37.12 2.46 -3.08	37.61 2.78 -0.08	41.73 2.66 -2.15	44.20 2.78 0.00	46.14 2.96 -2.61	51.45 3.32 -5.61	69.44 3.45 -24.96	81.75 3.53 -36.16	106.92 4.13 -59.74	70.20 3.64 -26.95	55.42 3.57 -14.64	48.89 3.36 -9.76	41.36 2.96 -5.11	38.07 2.66 -5.15
BRENTWOD_69_KV_W. BRTWOOD 56703	42.98 3.67 -9.03	37.72 3.18 -8.23	36.65 2.89 -9.88	33.10 2.50 -9.07	33.08 2.22 -12.06	33.53 2.17 -14.16	32.91 2.28 -12.82	32.76 1.55 -19.61	39.08 2.99 -14.09	46.92 3.45 -17.76	39.74 3.98 -4.18	62.39 4.38 -23.26	49.44 4.17 -8.34	53.12 4.14 -7.55	57.73 4.42 -12.74	57.71 4.76 -10.43	73.88 4.88 -27.96	89.38 4.96 -42.36	78.81 5.12 -30.64	58.00 4.60 -13.80	50.60 4.35 -9.04	66.64 4.68 -26.20	51.69 4.53 -13.87	39.94 4.15 -5.54
BRISTLHL_115KV_TB1 79998	29.87 -0.42 0.00	26.42 -0.37 -0.49	24.11 -0.36 -0.58	21.86 -0.32 -0.65	19.45 -0.23 -0.88	18.77 -0.07 -1.65	19.30 -0.09 -1.58	13.80 -0.05 -2.25	23.18 -0.02 -1.20	26.84 -0.03 -1.15	30.73 -0.19 0.65	34.56 -0.17 0.02	36.52 -0.41 0.00	40.97 -0.46 0.00	40.12 -0.45 0.00	41.27 -0.43 0.83	39.55 0.00 1.48	40.12 0.04 1.97	37.99 0.47 5.52	36.80 0.20 3.01	35.97 0.19 1.42	35.05 0.14 0.85	32.31 0.10 1.08	29.28 0.03 1.01
BROOKHAVEN___DRP 24191	42.98 3.67 -9.03	37.72 3.18 -8.23	36.65 2.89 -9.88	33.12 2.52 -9.07	33.09 2.24 -12.06	33.53 2.17 -14.16	32.98 2.35 -12.82	32.78 1.58 -19.61	39.15 3.06 -14.09	47.04 3.52 -17.81	43.84 4.07 -8.19	47.40 4.41 -8.23	59.45 4.36 -18.17	65.98 4.39 -20.17	83.84 4.67 -38.61	86.54 4.97 -39.04	146.94 5.21 -100.69	204.41 5.30 -157.06	154.19 5.51 -105.63	98.66 4.99 -54.06	79.48 4.69 -37.58	49.41 4.76 -8.89	49.39 4.63 -11.47	47.68 4.24 -13.19
BROOKLYN_NAVY_YARD 23515	37.81 2.48 -5.03	34.99 2.23 -6.45	33.51 1.98 -7.65	31.82 1.68 -8.61	31.84 1.50 -11.54	31.74 1.51 -13.03	31.91 1.62 -12.48	30.56 1.15 -17.81	33.64 2.11 -9.53	37.28 2.44 -9.12	35.42 3.16 -0.68	38.18 3.41 -0.02	40.39 3.47 0.00	45.11 3.69 0.00	44.22 3.65 0.00	47.51 4.12 -0.87	54.09 4.35 -8.71	58.51 4.46 -12.00	58.45 4.61 -10.79	46.64 3.88 -3.14	42.30 3.61 -1.49	40.19 3.54 -0.89	37.82 3.40 -1.13	34.59 3.05 -1.28
BROOKLYN___ARMY_DRP 323595	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.08 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.74 3.47 -0.69	38.53 3.75 -0.02	40.78 3.80 -0.06	45.37 3.89 -0.06	50.23 4.18 -5.49	79.18 4.51 -32.16	79.20 4.68 -33.49	84.07 4.79 -37.22	78.05 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.54 3.83 -0.95	38.16 3.63 -1.24	34.87 3.33 -1.29

BROOKVLE_69_KV_TB1 55790	42.26 2.94 -9.03	37.22 2.68 -8.23	36.17 2.41 -9.88	32.67 2.07 -9.07	32.70 1.84 -12.06	33.18 1.82 -14.16	32.54 1.91 -12.82	32.54 1.33 -19.61	38.51 2.42 -14.09	46.32 2.85 -17.75	38.36 3.66 -3.12	40.72 4.00 -1.97	46.77 4.10 -5.74	49.86 4.23 -4.21	50.97 4.50 -5.90	50.19 4.80 -2.86	54.84 5.09 -8.71	59.19 5.13 -12.01	59.14 5.29 -10.80	47.39 4.63 -3.14	42.97 4.28 -1.49	40.80 4.15 -0.89	38.34 3.90 -1.15	37.16 3.54 -3.36
BROOME_2_LFGE 323671	32.45 0.48 -1.68	28.54 0.34 -1.90	26.45 0.31 -2.25	24.34 0.28 -2.54	22.51 0.32 -3.40	21.97 0.41 -4.36	22.40 0.41 -4.18	17.85 0.29 -5.96	25.83 0.64 -3.19	29.51 0.75 -3.05	32.06 0.79 0.31	35.68 0.94 0.01	37.59 0.67 0.00	42.08 0.66 0.00	41.50 0.93 0.00	43.06 0.93 0.39	43.39 1.31 -1.04	44.98 1.43 -1.49	43.65 1.98 1.38	39.78 1.59 1.42	38.03 1.49 0.67	36.76 1.39 0.40	33.92 1.13 0.51	30.89 1.06 0.42
BROOME___LFGE 323600	32.45 0.48 -1.68	28.54 0.34 -1.90	26.45 0.31 -2.25	24.34 0.28 -2.54	22.51 0.32 -3.40	21.97 0.41 -4.36	22.40 0.41 -4.18	17.85 0.29 -5.96	25.83 0.64 -3.19	29.51 0.75 -3.05	32.06 0.79 0.31	35.68 0.94 0.01	37.59 0.67 0.00	42.08 0.66 0.00	41.50 0.93 0.00	43.06 0.93 0.39	43.39 1.31 -1.04	44.98 1.43 -1.49	43.65 1.98 1.38	39.78 1.59 1.42	38.03 1.49 0.67	36.76 1.39 0.40	33.92 1.13 0.51	30.89 1.06 0.42
BROWNFLS_115KV_TB_3_5 80003	29.66 -0.64 0.00	25.81 -0.66 -0.17	23.44 -0.64 -0.20	21.17 -0.58 -0.23	18.44 -0.66 -0.30	17.44 -0.55 -0.80	18.04 -0.53 -0.76	12.33 -0.36 -1.09	21.95 -0.64 -0.58	25.55 -0.72 -0.56	30.15 -0.95 0.48	33.66 -1.08 0.01	36.07 -0.85 0.00	40.72 -0.70 0.00	39.72 -0.85 0.00	41.11 -0.81 0.60	38.45 -1.31 1.28	39.17 -1.18 1.71	37.89 -0.99 4.16	36.55 -0.87 2.19	35.39 -0.78 1.04	34.32 -0.82 0.62	31.71 -0.80 0.79	28.67 -0.85 0.74
BROWNSV1_27_KV_LOAD 356125	38.08 2.76 -5.03	35.23 2.47 -6.45	33.73 2.20 -7.65	32.02 1.87 -8.61	32.01 1.67 -11.54	31.88 1.65 -13.03	32.05 1.76 -12.48	30.65 1.24 -17.81	33.82 2.29 -9.53	37.48 2.65 -9.12	35.73 3.47 -0.68	38.52 3.75 -0.02	40.76 3.84 0.00	45.36 3.94 0.00	44.83 4.26 0.00	47.98 4.59 -0.87	54.55 4.80 -8.71	58.98 4.92 -12.00	58.96 5.12 -10.79	47.07 4.32 -3.14	42.67 3.98 -1.49	40.51 3.86 -0.89	38.05 3.63 -1.13	34.83 3.30 -1.28
BURROWS___LYONSDAL 23803	30.78 0.48 0.00	26.83 0.32 -0.21	24.35 0.21 -0.25	22.03 0.22 -0.28	19.25 0.08 -0.38	18.59 0.24 -1.15	19.18 0.27 -1.10	13.34 0.17 -1.57	23.31 0.46 -0.84	27.08 0.57 -0.81	31.38 0.57 0.76	35.39 0.66 0.02	37.40 0.48 0.00	42.17 0.75 0.00	41.18 0.61 0.00	42.36 0.81 0.97	39.97 1.03 2.10	40.42 1.18 2.81	38.03 1.68 6.69	37.38 1.27 3.50	36.74 1.19 1.66	35.81 1.04 0.99	32.97 0.93 1.26	29.76 0.70 1.19
CAITHNESS_CC_1 323624	42.86 3.54 -9.02	37.64 3.10 -8.23	36.55 2.79 -9.88	33.03 2.43 -9.07	33.04 2.18 -12.06	33.46 2.10 -14.16	32.89 2.26 -12.82	32.73 1.53 -19.61	39.06 2.97 -14.09	46.94 3.42 -17.81	43.66 3.91 -8.17	47.21 4.24 -8.22	59.16 4.13 -18.10	65.86 4.35 -20.09	83.31 4.30 -38.44	86.14 4.76 -38.86	146.27 5.00 -100.23	203.45 5.09 -156.31	153.44 5.25 -105.14	98.17 4.75 -53.81	79.10 4.50 -37.40	49.25 4.62 -8.87	49.21 4.49 -11.43	47.48 4.08 -13.14
CALPINE BETH_PAGE_GT4 24209	42.32 3.00 -9.03	37.17 2.63 -8.23	36.22 2.46 -9.88	32.73 2.13 -9.07	32.76 1.90 -12.06	33.23 1.87 -14.16	32.59 1.96 -12.82	32.56 1.36 -19.61	38.58 2.49 -14.09	46.34 2.88 -17.75	38.30 3.54 -3.19	41.71 3.82 -3.13	46.67 3.84 -5.91	49.74 3.89 -4.42	51.07 4.18 -6.33	50.37 4.51 -3.34	55.77 4.80 -9.93	60.82 4.84 -13.93	60.09 4.99 -12.05	47.87 4.44 -3.81	43.26 4.09 -1.96	42.07 4.04 -2.27	39.07 3.93 -1.85	37.45 3.57 -3.62
CALPINE_BETH_PAGE_GT_4 323586	42.35 3.03 -9.03	37.17 2.63 -8.23	36.22 2.46 -9.88	32.74 2.13 -9.07	32.76 1.90 -12.06	33.23 1.87 -14.16	32.59 1.96 -12.82	32.57 1.37 -19.61	38.58 2.49 -14.09	46.32 2.85 -17.75	38.30 3.54 -3.19	41.71 3.82 -3.13	46.63 3.80 -5.91	49.91 4.06 -4.42	50.91 4.02 -6.33	50.36 4.51 -3.34	55.73 4.76 -9.94	60.77 4.79 -13.92	60.05 4.95 -12.05	47.87 4.44 -3.82	43.26 4.09 -1.96	42.07 4.04 -2.27	39.11 3.96 -1.85	37.45 3.57 -3.63
CALPINE_BP_GT1 23823	42.35 3.03 -9.03	37.17 2.63 -8.23	36.22 2.46 -9.88	32.74 2.13 -9.07	32.76 1.90 -12.06	33.23 1.87 -14.16	32.59 1.96 -12.82	32.57 1.37 -19.61	38.58 2.49 -14.09	46.32 2.85 -17.75	38.30 3.54 -3.19	41.71 3.82 -3.13	46.63 3.80 -5.91	49.91 4.06 -4.42	50.91 4.02 -6.33	50.36 4.51 -3.34	55.73 4.76 -9.94	60.77 4.79 -13.92	60.05 4.95 -12.05	47.87 4.44 -3.82	43.26 4.09 -1.96	42.07 4.04 -2.27	39.11 3.96 -1.85	37.45 3.57 -3.63
CALSPAN___DRP 24200	30.99 -0.09 -0.79	27.10 -0.21 -1.01	24.93 -0.14 -1.19	22.66 -0.22 -1.34	20.71 0.11 -1.80	20.07 0.21 -2.66	20.48 0.12 -2.55	15.37 0.14 -3.64	24.41 0.46 -1.95	28.19 0.62 -1.86	31.15 0.13 0.56	35.26 0.52 0.01	36.66 -0.26 0.00	41.75 0.33 0.00	40.45 -0.12 0.00	41.65 -0.17 0.71	41.04 0.66 0.65	41.90 0.67 0.83	40.71 1.94 4.27	38.60 1.54 2.56	37.45 1.45 1.21	36.43 1.39 0.73	33.61 1.23 0.92	30.60 1.18 0.84
CALVERTON___SOLAR 323806	43.16 3.85 -9.02	37.88 3.34 -8.23	36.77 3.01 -9.88	33.23 2.63 -9.07	33.19 2.33 -12.06	33.61 2.25 -14.16	33.09 2.46 -12.82	32.84 1.64 -19.61	39.28 3.19 -14.09	47.22 3.70 -17.81	44.07 4.29 -8.20	47.68 4.69 -8.23	59.73 4.61 -18.20	66.47 4.84 -20.21	84.08 4.83 -38.68	86.92 5.27 -39.12	147.48 5.54 -100.91	205.08 5.64 -157.39	154.74 5.85 -105.85	99.11 5.31 -54.18	79.89 5.02 -37.66	49.81 5.15 -8.89	49.71 4.93 -11.49	47.92 4.45 -13.21
CANDIGU_WT_PWR 323617	31.68 0.30 -1.08	27.75 0.13 -1.32	25.59 0.14 -1.56	23.38 0.09 -1.76	21.44 0.28 -2.36	20.82 0.36 -3.26	21.25 0.32 -3.12	16.30 0.25 -4.45	25.02 0.64 -2.38	28.74 0.75 -2.28	31.70 0.60 0.47	35.54 0.80 0.01	37.22 0.29 0.00	41.55 0.12 0.00	41.34 0.77 0.00	42.35 0.43 0.60	41.99 1.03 0.07	43.15 1.14 0.04	41.90 2.15 3.30	39.26 1.82 2.18	37.89 1.71 1.03	36.76 1.61 0.62	33.74 1.23 0.78	30.77 1.21 0.70
CARR STREET_E_SYR 24060	30.11 -0.18 0.00	26.70 -0.16 -0.56	24.38 -0.17 -0.66	22.12 -0.15 -0.74	19.72 -0.07 -1.00	19.07 0.07 -1.80	19.61 0.07 -1.73	14.12 0.06 -2.46	23.50 0.18 -1.32	27.13 0.16 -1.26	30.85 -0.06 0.67	34.74 0.00 0.02	36.67 -0.26 0.00	41.09 -0.33 0.00	40.49 -0.08 0.00	41.55 -0.13 0.85	39.91 0.33 1.46	40.45 0.33 1.94	38.21 0.78 5.61	36.93 0.40 3.08	36.09 0.33 1.46	35.18 0.28 0.87	32.39 0.20 1.11	29.41 0.18 1.03
CARTHAGE___PAPER 23857	30.23 -0.06 0.00	26.41 -0.18 -0.29	23.94 -0.29 -0.35	21.68 -0.24 -0.39	19.00 -0.32 -0.52	18.17 -0.21 -1.18	18.76 -0.18 -1.13	13.07 -0.14 -1.61	22.69 -0.18 -0.86	26.36 -0.18 -0.83	30.62 -0.35 0.61	34.32 -0.42 0.02	36.33 -0.59 0.00	40.97 -0.45 0.00	40.08 -0.49 0.00	41.36 -0.38 0.77	39.07 -0.41 1.55	39.85 -0.13 2.08	38.30 0.52 5.27	37.21 0.40 2.80	36.29 0.41 1.33	35.22 0.25 0.79	32.49 0.20 1.01	29.28 -0.03 0.95

CASSADAGA_WT_PWR 323784	31.82 0.70 -0.84	27.83 0.47 -1.05	25.68 0.55 -1.25	23.32 0.39 -1.41	21.32 0.64 -1.88	20.64 0.69 -2.75	21.10 0.66 -2.63	15.90 0.55 -3.76	25.22 1.21 -2.01	29.13 1.49 -1.93	32.39 1.36 0.54	36.54 1.81 0.01	37.99 1.07 0.00	42.29 0.87 0.00	42.35 1.78 0.00	43.11 1.27 0.69	42.53 2.05 0.56	43.53 2.19 0.71	42.24 3.31 4.12	40.04 2.93 2.50	38.70 2.68 1.18	37.56 2.50 0.71	34.39 2.00 0.90	31.31 1.88 0.82
CE_DUNWOOD___DRP 24194	37.58 2.27 -5.02	34.79 2.05 -6.43	33.33 1.82 -7.63	31.69 1.57 -8.59	31.71 1.41 -11.51	31.60 1.41 -13.00	31.73 1.48 -12.44	30.41 1.04 -17.77	33.42 1.91 -9.50	37.04 2.24 -9.10	35.16 2.91 -0.68	37.90 3.13 -0.02	40.10 3.18 0.00	44.57 3.15 0.00	44.02 3.45 0.00	47.12 3.74 -0.86	53.74 4.02 -8.68	58.14 4.12 -11.96	58.10 4.30 -10.75	46.38 3.64 -3.13	42.04 3.35 -1.48	39.94 3.29 -0.89	37.48 3.06 -1.12	34.31 2.78 -1.27
CE_MILLWOOD___DRP 24193	37.50 2.21 -4.99	34.67 1.97 -6.40	33.24 1.77 -7.59	31.58 1.51 -8.55	31.62 1.37 -11.45	31.49 1.36 -12.93	31.62 1.42 -12.38	30.28 1.01 -17.68	33.31 1.85 -9.46	36.92 2.16 -9.05	35.03 2.78 -0.67	37.79 3.02 -0.02	39.95 3.03 0.00	44.45 3.02 0.00	43.89 3.33 0.00	46.99 3.61 -0.86	53.53 3.86 -8.63	57.90 3.95 -11.89	57.86 4.13 -10.68	46.20 3.49 -3.10	41.95 3.27 -1.47	39.82 3.18 -0.88	37.37 2.96 -1.12	34.21 2.69 -1.26
CE_NYC2_DRP 24202	37.84 2.51 -5.03	35.07 2.31 -6.45	33.59 2.05 -7.65	31.89 1.74 -8.61	31.90 1.56 -11.54	31.79 1.56 -13.03	31.97 1.67 -12.48	30.60 1.18 -17.82	33.72 2.18 -9.54	37.33 2.49 -9.12	35.55 3.28 -0.69	38.28 3.51 -0.02	40.47 3.54 0.00	45.03 3.60 0.00	44.50 3.94 0.00	47.60 4.21 -0.87	54.14 4.39 -8.71	58.56 4.50 -12.00	58.49 4.65 -10.79	46.60 3.84 -3.14	42.27 3.57 -1.49	40.23 3.58 -0.89	37.86 3.43 -1.14	34.69 3.15 -1.29
CE_NYC_DRP 24195	37.78 2.45 -5.03	34.96 2.21 -6.45	33.49 1.96 -7.65	31.82 1.68 -8.61	31.84 1.50 -11.54	31.72 1.50 -13.03	31.89 1.60 -12.48	30.55 1.14 -17.81	33.60 2.07 -9.53	37.22 2.39 -9.12	35.42 3.16 -0.68	38.18 3.41 -0.02	40.36 3.43 0.00	44.90 3.48 0.00	44.38 3.81 0.00	47.51 4.12 -0.87	54.05 4.31 -8.71	58.47 4.42 -12.00	58.44 4.61 -10.79	46.63 3.88 -3.14	42.27 3.57 -1.49	40.12 3.47 -0.89	37.69 3.26 -1.13	34.53 3.00 -1.28
CHAFFEE___LFGE 323603	31.00 -0.12 -0.83	27.11 -0.24 -1.04	24.95 -0.17 -1.24	22.68 -0.24 -1.39	20.74 0.08 -1.86	20.10 0.17 -2.73	20.53 0.11 -2.62	15.47 0.14 -3.74	24.46 0.46 -2.00	28.21 0.59 -1.91	31.28 0.25 0.55	35.33 0.59 0.01	36.78 -0.15 0.00	40.97 0.45 0.00	41.09 0.53 0.00	41.70 -0.13 0.69	41.07 0.62 0.58	41.99 0.67 0.74	40.78 1.89 4.16	38.76 1.66 2.51	37.51 1.49 1.19	36.44 1.39 0.71	33.36 0.97 0.90	30.43 1.00 0.83
CHATEAUG_35_KV_LOAD 355732	29.96 -0.33 0.00	25.93 -0.37 0.00	23.55 -0.33 0.00	21.25 -0.28 0.00	18.42 -0.38 0.00	17.19 -0.33 -0.32	17.80 -0.32 -0.31	11.84 -0.20 -0.44	21.84 -0.40 -0.24	25.47 -0.46 -0.23	30.78 -0.54 0.26	34.09 -0.66 0.01	36.63 -0.30 0.00	41.26 -0.17 0.00	40.28 -0.28 0.00	41.81 -0.38 0.33	39.31 -0.98 0.75	40.09 -0.97 1.00	39.41 -1.33 2.30	37.51 -0.91 1.19	35.79 -0.86 0.56	34.57 -0.86 0.34	32.00 -0.87 0.43	29.07 -0.79 0.41
CHATEAUG_WT_PWR 323614	29.90 -0.39 0.00	25.91 -0.39 0.00	23.53 -0.36 0.00	21.23 -0.30 0.00	18.42 -0.38 0.00	17.16 -0.34 -0.30	17.78 -0.32 -0.29	11.80 -0.21 -0.41	21.83 -0.40 -0.22	25.48 -0.44 -0.21	30.82 -0.51 0.25	34.12 -0.62 0.01	36.63 -0.30 0.00	41.30 -0.12 0.00	40.29 -0.28 0.00	41.86 -0.34 0.32	39.41 -0.90 0.72	40.20 -0.89 0.97	39.58 -1.25 2.22	37.60 -0.87 1.15	35.85 -0.82 0.54	34.58 -0.86 0.32	32.08 -0.80 0.41	29.11 -0.76 0.39
CHAT_HIGH_FALL_HYD 323578	29.96 -0.33 0.00	25.93 -0.37 0.00	23.55 -0.33 0.00	21.25 -0.28 0.00	18.42 -0.38 0.00	17.19 -0.33 -0.32	17.80 -0.32 -0.31	11.84 -0.20 -0.44	21.84 -0.40 -0.24	25.47 -0.46 -0.23	30.78 -0.54 0.26	34.08 -0.66 0.01	36.63 -0.30 0.00	41.30 -0.12 0.00	40.29 -0.28 0.00	41.81 -0.38 0.33	39.31 -0.99 0.75	40.09 -0.97 1.00	39.41 -1.33 2.30	37.51 -0.91 1.19	35.83 -0.82 0.56	34.57 -0.86 0.34	32.03 -0.83 0.43	29.10 -0.76 0.41
CHAUTAUQUA___LFGE 323629	31.48 0.36 -0.82	27.57 0.24 -1.04	25.42 0.31 -1.23	23.08 0.17 -1.38	21.14 0.49 -1.85	20.43 0.52 -2.72	20.88 0.46 -2.61	15.71 0.39 -3.72	24.94 0.95 -1.99	28.77 1.16 -1.90	31.91 0.88 0.55	36.03 1.29 0.01	37.48 0.55 0.00	41.75 0.33 0.00	41.78 1.22 0.00	42.46 0.64 0.70	41.92 1.48 0.59	42.86 1.56 0.75	41.63 2.76 4.17	39.43 2.34 2.52	38.17 2.16 1.19	37.05 2.00 0.71	33.98 1.60 0.91	30.97 1.54 0.83
CHERRYST_13_KV_LD 356241	37.87 2.54 -5.03	35.04 2.29 -6.45	33.59 2.05 -7.65	31.89 1.74 -8.61	31.90 1.56 -11.54	31.78 1.55 -13.03	31.94 1.66 -12.48	30.59 1.18 -17.81	33.69 2.16 -9.53	37.33 2.49 -9.12	35.54 3.28 -0.68	38.31 3.54 -0.02	40.54 3.62 0.00	45.07 3.65 0.00	44.54 3.98 0.00	47.68 4.29 -0.87	54.26 4.51 -8.71	58.68 4.63 -12.00	58.62 4.78 -10.79	46.79 4.04 -3.14	42.41 3.72 -1.49	40.26 3.61 -0.89	37.82 3.40 -1.13	34.65 3.12 -1.28
CHESTROR_138KV_BK263 355645	36.71 1.85 -4.57	33.79 1.63 -5.86	32.28 1.46 -6.94	30.60 1.25 -7.82	30.40 1.13 -10.47	30.20 1.13 -11.86	30.34 1.18 -11.36	28.64 0.82 -16.22	32.17 1.50 -8.68	35.79 1.77 -8.31	34.43 2.27 -0.58	37.23 2.47 -0.01	39.36 2.44 0.00	43.78 2.36 0.00	43.20 2.64 0.00	46.15 2.89 -0.74	51.99 3.16 -7.79	56.04 3.24 -10.74	55.95 3.44 -9.47	45.19 2.89 -2.68	41.19 2.72 -1.27	39.17 2.65 -0.76	36.72 2.46 -0.96	33.60 2.24 -1.10
CH_MIDHUDSON___DRP 24192	37.67 2.18 -5.20	34.83 1.92 -6.60	33.43 1.72 -7.83	31.83 1.49 -8.82	31.94 1.33 -11.81	31.85 1.32 -13.33	31.94 1.37 -12.76	30.77 0.95 -18.22	33.49 1.74 -9.75	37.10 2.06 -9.33	34.85 2.56 -0.72	37.59 2.81 -0.02	39.69 2.77 0.00	44.20 2.78 0.00	43.65 3.08 0.00	46.75 3.32 -0.91	53.63 3.61 -8.98	58.12 3.70 -12.37	58.19 3.92 -11.22	46.24 3.33 -3.30	41.86 3.09 -1.56	39.70 3.00 -0.94	37.25 2.76 -1.19	34.14 2.54 -1.34
CH_MISC_IPPS 23765	37.79 2.42 -5.07	34.89 2.13 -6.45	33.42 1.89 -7.65	31.76 1.62 -8.62	31.77 1.43 -11.54	31.66 1.43 -13.04	31.77 1.48 -12.48	30.43 1.01 -17.82	33.38 1.85 -9.53	37.02 2.18 -9.13	35.01 2.75 -0.69	37.83 3.06 -0.02	39.95 3.03 0.00	44.66 3.23 0.00	43.77 3.20 0.00	46.97 3.57 -0.88	53.68 3.90 -8.74	58.14 4.04 -12.05	58.19 4.26 -10.88	46.40 3.60 -3.18	42.10 3.39 -1.51	39.95 3.29 -0.90	37.44 3.00 -1.14	34.28 2.72 -1.29
CH_RES_BVR_FALLS 23983	29.96 -0.33 0.00	25.99 -0.31 0.00	23.62 -0.26 0.00	21.29 -0.24 0.00	18.53 -0.26 0.00	17.71 -0.14 -0.65	18.29 -0.14 -0.63	12.40 -0.09 -0.90	22.33 -0.15 -0.48	25.99 -0.18 -0.46	30.70 -0.25 0.62	34.46 -0.28 0.02	36.67 -0.26 0.00	41.18 -0.25 0.00	40.33 -0.24 0.00	41.44 -0.30 0.79	38.81 -0.37 1.86	39.22 -0.34 2.50	37.13 -0.35 5.57	36.43 -0.32 2.87	35.55 -0.30 1.36	34.63 -0.32 0.81	31.96 -0.30 1.03	29.01 -0.27 0.98

CH_RES_NIAGARA 23895	30.13 -0.88 -0.72	26.67 -0.55 -0.93	24.55 -0.43 -1.10	22.31 -0.45 -1.24	20.36 -0.09 -1.66	19.74 0.03 -2.51	20.07 -0.14 -2.41	14.89 -0.14 -3.43	23.77 -0.07 -1.84	27.47 0.00 -1.76	29.99 -1.01 0.58	33.97 -0.76 0.01	35.30 -1.62 0.00	39.39 -2.03 0.00	39.56 -1.01 0.00	39.83 -1.96 0.73	39.51 -0.74 0.79	40.19 -0.84 1.03	39.09 0.56 4.51	37.04 0.08 2.65	35.99 0.04 1.26	35.05 0.04 0.75	32.34 0.00 0.96	29.77 0.39 0.88
CH_RES_SYRACUSE 23985	30.32 0.03 0.00	26.92 0.00 -0.62	24.59 -0.02 -0.73	22.33 -0.02 -0.83	19.94 0.04 -1.11	19.28 0.17 -1.91	19.80 0.16 -1.83	14.34 0.13 -2.61	23.71 0.31 -1.40	27.43 0.39 -1.34	31.25 0.32 0.64	35.12 0.38 0.02	37.11 0.19 0.00	41.59 0.17 0.00	40.97 0.41 0.00	42.09 0.38 0.81	40.51 0.78 1.30	41.17 0.84 1.73	39.04 1.29 5.30	37.51 0.83 2.94	36.60 0.78 1.39	35.64 0.71 0.83	32.80 0.57 1.06	29.79 0.51 0.98
CLINTON_WT_PWR 323605	29.90 -0.39 0.00	25.91 -0.39 0.00	23.53 -0.36 0.00	21.23 -0.30 0.00	18.42 -0.38 0.00	17.16 -0.34 -0.30	17.78 -0.32 -0.29	11.80 -0.21 -0.41	21.83 -0.40 -0.22	25.48 -0.44 -0.21	30.82 -0.51 0.25	34.12 -0.62 0.01	36.63 -0.30 0.00	41.30 -0.12 0.00	40.29 -0.28 0.00	41.86 -0.34 0.32	39.41 -0.90 0.72	40.20 -0.89 0.97	39.58 -1.25 2.22	37.60 -0.87 1.15	35.85 -0.82 0.54	34.58 -0.86 0.32	32.08 -0.80 0.41	29.11 -0.76 0.39
CLINTON___LFGE 323618	30.29 0.00 0.00	26.20 -0.10 0.00	23.79 -0.10 0.00	21.44 -0.09 0.00	18.61 -0.19 0.00	17.33 -0.17 -0.31	17.94 -0.16 -0.29	11.94 -0.08 -0.42	22.07 -0.15 -0.22	25.75 -0.18 -0.22	31.07 -0.25 0.25	34.36 -0.38 0.01	36.96 0.04 0.00	41.67 0.25 0.00	40.69 0.12 0.00	42.24 0.04 0.32	39.73 -0.57 0.73	40.61 -0.46 0.98	39.99 -0.82 2.24	37.94 -0.52 1.16	36.25 -0.41 0.55	34.97 -0.47 0.33	32.41 -0.47 0.42	29.44 -0.42 0.39
COBBLENY_34_KV_TB1 80064	31.03 -0.09 -0.83	27.08 -0.26 -1.04	24.95 -0.17 -1.24	22.68 -0.24 -1.39	20.74 0.08 -1.86	20.10 0.17 -2.73	20.53 0.11 -2.62	15.46 0.13 -3.74	24.46 0.46 -2.00	28.21 0.59 -1.91	31.22 0.19 0.55	35.33 0.59 0.01	36.74 -0.18 0.00	41.80 0.37 0.00	40.53 -0.04 0.00	41.78 -0.04 0.69	41.15 0.70 0.58	42.08 0.76 0.74	40.87 1.98 4.16	38.76 1.66 2.51	37.54 1.53 1.19	36.52 1.47 0.71	33.69 1.30 0.90	30.64 1.21 0.83
COFFEEN___115KV_TB3 355620	30.66 0.36 0.00	26.79 0.16 -0.33	24.30 0.02 -0.39	21.99 0.02 -0.44	19.29 -0.09 -0.59	18.47 0.00 -1.27	19.06 0.04 -1.22	13.33 0.00 -1.74	23.06 0.13 -0.93	26.78 0.18 -0.89	31.05 0.09 0.62	34.81 0.07 0.02	36.63 -0.30 0.00	41.38 -0.04 0.00	40.28 -0.28 0.00	41.74 0.00 0.78	39.66 0.16 1.54	40.50 0.50 2.06	39.14 1.42 5.32	38.04 1.27 2.85	37.09 1.23 1.35	35.92 0.97 0.81	33.10 0.83 1.02	29.78 0.48 0.96
COLDSPRG_115KV_BK1 355956	31.89 0.73 -0.87	27.68 0.29 -1.09	25.56 0.38 -1.29	23.20 0.22 -1.45	21.25 0.51 -1.95	20.59 0.57 -2.82	21.06 0.55 -2.70	15.92 0.46 -3.86	25.14 1.08 -2.06	29.00 1.31 -1.98	32.40 1.36 0.53	36.55 1.81 0.01	37.99 1.07 0.00	43.00 1.57 0.00	41.87 1.30 0.00	43.25 1.40 0.68	42.39 1.85 0.49	43.46 2.02 0.62	42.18 3.14 4.01	40.09 2.93 2.46	38.76 2.72 1.16	37.68 2.61 0.70	34.74 2.33 0.88	31.51 2.06 0.80
COLONIE_LFGE___ 323577	50.24 1.85 -18.10	38.25 1.60 -10.34	37.19 1.43 -11.87	34.10 1.29 -11.28	35.80 1.13 -15.88	36.28 1.12 -17.97	37.91 1.14 -18.96	42.83 0.75 -30.48	50.56 1.54 -27.02	50.12 1.83 -22.58	36.53 2.08 -2.87	37.15 2.33 -0.07	42.87 2.25 -3.69	43.74 2.32 0.00	47.49 2.43 -4.49	51.81 2.72 -6.57	72.27 2.91 -28.32	87.28 2.99 -42.24	122.22 3.36 -75.81	77.70 2.93 -35.15	59.81 2.71 -19.89	52.03 2.65 -13.62	40.45 2.40 -4.76	37.28 2.21 -4.82
COOPERNY_115KV_TB1 80082	35.10 1.36 -3.44	31.89 1.21 -4.38	30.17 1.10 -5.19	28.32 0.95 -5.84	27.47 0.85 -7.82	27.03 0.88 -8.96	27.30 0.91 -8.58	24.47 0.63 -12.25	29.72 1.17 -6.55	33.35 1.36 -6.27	33.65 1.74 -0.34	36.67 1.91 -0.01	38.77 1.85 0.00	43.24 1.82 0.00	42.60 2.03 0.00	45.16 2.21 -0.43	49.04 2.46 -5.54	52.23 2.52 -7.65	52.03 2.75 -6.23	43.44 2.26 -1.57	40.07 2.12 -0.74	38.28 2.07 -0.44	35.79 1.93 -0.56	32.69 1.75 -0.68
COPENHAGEN_WT_PWR 323753	30.32 0.03 0.00	26.56 -0.08 -0.34	24.10 -0.19 -0.40	21.83 -0.15 -0.45	19.20 -0.21 -0.61	18.37 -0.12 -1.30	18.96 -0.09 -1.24	13.29 -0.08 -1.77	22.93 -0.02 -0.95	26.59 -0.03 -0.91	30.83 -0.13 0.62	34.56 -0.17 0.02	36.44 -0.48 0.00	41.09 -0.33 0.00	40.20 -0.37 0.00	41.52 -0.21 0.79	39.46 -0.04 1.54	40.25 0.25 2.05	38.70 0.99 5.34	37.51 0.75 2.86	36.60 0.74 1.35	35.49 0.54 0.81	32.70 0.43 1.03	29.51 0.21 0.97
CORNELL___ 23752	32.31 0.88 -1.14	28.28 0.66 -1.32	26.03 0.57 -1.57	23.79 0.50 -1.77	21.65 0.49 -2.37	21.05 0.58 -3.26	21.54 0.61 -3.13	16.46 0.41 -4.46	25.25 0.86 -2.39	29.00 1.00 -2.28	32.19 1.07 0.46	35.92 1.18 0.01	37.92 1.00 0.00	42.67 1.24 0.00	41.74 1.18 0.00	43.30 1.36 0.58	42.79 1.76 0.01	44.08 1.98 -0.05	42.58 2.67 3.13	39.65 2.14 2.10	38.22 2.01 0.99	37.03 1.86 0.59	34.20 1.66 0.75	31.04 1.45 0.67
CORONA_AAV_69_KV_TB1 355595	42.44 3.12 -9.03	37.27 2.74 -8.23	36.20 2.44 -9.88	32.73 2.13 -9.07	32.74 1.88 -12.06	33.22 1.86 -14.16	32.57 1.94 -12.82	32.55 1.35 -19.61	38.62 2.53 -14.09	46.37 2.91 -17.75	38.33 3.63 -3.12	40.69 3.96 -1.97	46.69 4.02 -5.74	49.78 4.14 -4.21	50.89 4.42 -5.90	50.14 4.76 -2.86	54.84 5.09 -8.71	59.19 5.13 -12.01	59.10 5.25 -10.80	47.43 4.67 -3.14	42.97 4.28 -1.49	40.87 4.22 -0.89	38.47 4.03 -1.15	37.16 3.63 -3.27
CORTLAND_115KV_TB3 80093	31.70 0.55 -0.87	27.80 0.42 -1.08	25.52 0.36 -1.28	23.27 0.30 -1.44	21.05 0.32 -1.93	20.43 0.43 -2.81	20.92 0.43 -2.69	15.72 0.29 -3.84	24.71 0.66 -2.05	28.45 0.77 -1.96	31.83 0.79 0.54	35.68 0.94 0.01	37.62 0.70 0.00	42.29 0.87 0.00	41.42 0.85 0.00	42.86 1.02 0.68	41.92 1.40 0.51	42.93 1.51 0.64	41.07 2.07 4.04	38.77 1.62 2.47	37.57 1.53 1.17	36.46 1.39 0.70	33.64 1.23 0.89	30.51 1.06 0.81
COXSACKIE___GT 23611	40.84 2.73 -7.82	36.01 2.53 -7.18	34.45 1.93 -8.63	33.55 1.68 -10.34	33.89 1.47 -13.63	33.92 1.44 -15.27	33.36 1.44 -14.11	31.72 0.99 -19.14	31.11 2.02 -7.08	36.01 2.55 -7.75	35.69 2.65 -1.46	37.92 3.13 -0.04	38.72 2.88 1.09	44.20 2.78 0.00	42.49 3.25 1.32	46.79 3.27 -0.99	54.27 3.53 -9.70	58.48 4.12 -12.30	53.99 4.78 -6.17	44.04 4.16 -0.27	40.25 3.87 0.83	38.41 3.65 1.00	38.77 3.06 -2.42	35.56 2.75 -2.55
CPV_VALLEY___CC1 323721	36.02 1.57 -4.16	33.02 1.39 -5.33	31.44 1.24 -6.32	29.70 1.05 -7.12	29.29 0.96 -9.53	29.01 0.98 -10.83	29.21 1.03 -10.37	27.12 0.72 -14.81	31.24 1.32 -7.92	34.84 1.54 -7.58	34.06 1.99 -0.49	36.96 2.19 -0.01	39.06 2.14 0.00	43.58 2.15 0.00	42.76 2.19 0.00	45.66 2.51 -0.63	50.81 2.79 -6.98	54.55 2.86 -9.63	54.39 3.06 -8.29	44.42 2.54 -2.27	40.67 2.38 -1.08	38.73 2.32 -0.64	36.31 2.20 -0.82	33.17 1.97 -0.95

CPV_VALLEY___CC2 323722	36.02 1.57 -4.16	33.02 1.39 -5.33	31.44 1.24 -6.32	29.70 1.05 -7.12	29.29 0.96 -9.53	29.01 0.98 -10.83	29.21 1.03 -10.37	27.12 0.72 -14.81	31.24 1.32 -7.92	34.84 1.54 -7.58	34.06 1.99 -0.49	36.96 2.19 -0.01	39.06 2.14 0.00	43.58 2.15 0.00	42.76 2.19 0.00	45.66 2.51 -0.63	50.81 2.79 -6.98	54.55 2.86 -9.63	54.39 3.06 -8.29	44.42 2.54 -2.27	40.67 2.38 -1.08	38.73 2.32 -0.64	36.31 2.20 -0.82	33.17 1.97 -0.95
CRESCENT___HYD 24018	50.24 1.85 -18.10	38.25 1.60 -10.34	37.19 1.43 -11.87	34.10 1.29 -11.28	35.80 1.13 -15.88	36.28 1.12 -17.97	37.91 1.14 -18.96	42.83 0.75 -30.48	50.56 1.54 -27.02	50.12 1.83 -22.58	36.53 2.08 -2.87	37.15 2.33 -0.07	42.87 2.25 -3.69	43.74 2.32 0.00	47.49 2.43 -4.49	51.81 2.72 -6.57	72.27 2.91 -28.32	87.28 2.99 -42.24	122.22 3.36 -75.81	77.70 2.93 -35.15	59.81 2.71 -19.89	52.03 2.65 -13.62	40.45 2.40 -4.76	37.28 2.21 -4.82
CRICKET___VALLEY_CC1 323756	37.55 1.73 -5.54	34.73 1.55 -6.88	33.45 1.41 -8.16	31.96 1.25 -9.19	32.23 1.13 -12.31	32.22 1.12 -13.91	32.34 1.16 -13.37	31.63 0.82 -19.21	34.14 1.50 -10.64	37.50 1.72 -10.07	34.45 2.08 -0.79	37.07 2.29 -0.02	39.30 2.25 -0.12	43.70 2.28 0.00	43.03 2.31 -0.15	46.26 2.64 -1.10	53.79 2.91 -9.84	58.70 2.99 -13.66	59.73 3.14 -13.55	46.69 2.70 -4.38	41.84 2.46 -2.18	39.56 2.43 -1.36	36.90 2.30 -1.31	33.84 2.12 -1.46
CRICKET___VALLEY_CC2 323757	37.55 1.73 -5.54	34.73 1.55 -6.88	33.45 1.41 -8.16	31.96 1.25 -9.19	32.23 1.13 -12.31	32.22 1.12 -13.91	32.34 1.16 -13.37	31.63 0.82 -19.21	34.14 1.50 -10.64	37.50 1.72 -10.07	34.45 2.08 -0.79	37.07 2.29 -0.02	39.30 2.25 -0.12	43.70 2.28 0.00	43.03 2.31 -0.15	46.26 2.64 -1.10	53.79 2.91 -9.84	58.70 2.99 -13.66	59.73 3.14 -13.55	46.69 2.70 -4.38	41.84 2.46 -2.18	39.56 2.43 -1.36	36.90 2.30 -1.31	33.84 2.12 -1.46
CRICKET___VALLEY_CC3 323758	37.55 1.73 -5.54	34.73 1.55 -6.88	33.45 1.41 -8.16	31.96 1.25 -9.19	32.23 1.13 -12.31	32.22 1.12 -13.91	32.34 1.16 -13.37	31.63 0.82 -19.21	34.14 1.50 -10.64	37.50 1.72 -10.07	34.45 2.08 -0.79	37.07 2.29 -0.02	39.30 2.25 -0.12	43.70 2.28 0.00	43.03 2.31 -0.15	46.26 2.64 -1.10	53.79 2.91 -9.84	58.70 2.99 -13.66	59.73 3.14 -13.55	46.69 2.70 -4.38	41.84 2.46 -2.18	39.56 2.43 -1.36	36.90 2.30 -1.31	33.84 2.12 -1.46
CRUCIBLE_METL_DRP 24180	30.32 0.03 0.00	26.92 0.00 -0.62	24.59 -0.02 -0.73	22.33 -0.02 -0.83	19.94 0.04 -1.11	19.28 0.17 -1.91	19.80 0.16 -1.83	14.34 0.13 -2.61	23.71 0.31 -1.40	27.43 0.39 -1.34	31.25 0.32 0.64	35.12 0.38 0.02	37.11 0.18 0.00	41.71 0.29 0.00	40.85 0.28 0.00	42.09 0.38 0.81	40.51 0.78 1.30	41.17 0.84 1.73	39.04 1.29 5.30	37.50 0.83 2.94	36.60 0.78 1.39	35.65 0.72 0.83	32.87 0.63 1.06	29.79 0.51 0.98
DAHOWA___HYDRO 323763	50.53 2.36 -17.87	37.85 2.00 -9.55	36.78 1.77 -11.12	34.54 1.55 -11.46	35.95 1.41 -15.74	36.28 1.34 -17.74	37.05 1.35 -17.89	39.76 0.87 -27.30	44.01 1.89 -20.12	45.51 2.24 -17.57	37.31 2.62 -3.11	37.78 2.95 -0.08	41.63 2.80 -1.90	44.36 2.94 0.00	46.04 3.17 -2.31	51.50 3.53 -5.45	69.05 3.61 -24.40	80.96 3.74 -35.17	104.55 4.39 -57.11	69.10 3.88 -25.61	54.83 3.83 -13.79	48.48 3.58 -9.14	41.58 3.13 -5.15	38.27 2.81 -5.20
DANC___LFGE 323619	30.08 -0.21 0.00	26.43 -0.26 -0.40	24.04 -0.31 -0.47	21.80 -0.26 -0.53	19.26 -0.24 -0.71	18.49 -0.14 -1.43	19.05 -0.12 -1.37	13.45 -0.09 -1.95	22.96 -0.09 -1.04	26.63 -0.08 -1.00	30.69 -0.25 0.63	34.50 -0.24 0.02	36.37 -0.55 0.00	40.88 -0.54 0.00	40.12 -0.45 0.00	41.33 -0.38 0.81	39.43 -0.08 1.52	40.15 0.13 2.03	38.36 0.73 5.42	37.17 0.48 2.92	36.27 0.45 1.38	35.26 0.32 0.83	32.48 0.23 1.05	29.36 0.09 0.98
DANSKAMMER___1 23586	37.79 2.42 -5.07	34.89 2.13 -6.45	33.42 1.89 -7.65	31.76 1.62 -8.62	31.77 1.43 -11.54	31.66 1.43 -13.04	31.77 1.48 -12.48	30.43 1.01 -17.82	33.38 1.85 -9.53	37.02 2.18 -9.13	35.01 2.75 -0.69	37.83 3.06 -0.02	39.95 3.03 0.00	44.66 3.23 0.00	43.77 3.20 0.00	46.97 3.57 -0.88	53.68 3.90 -8.74	58.14 4.04 -12.05	58.19 4.26 -10.88	46.40 3.60 -3.18	42.10 3.39 -1.51	39.95 3.29 -0.90	37.44 3.00 -1.14	34.28 2.72 -1.29
DANSKAMMER___2 23589	37.79 2.42 -5.07	34.89 2.13 -6.45	33.42 1.89 -7.65	31.76 1.62 -8.62	31.77 1.43 -11.54	31.66 1.43 -13.04	31.77 1.48 -12.48	30.43 1.01 -17.82	33.38 1.85 -9.53	37.02 2.18 -9.13	35.01 2.75 -0.69	37.83 3.06 -0.02	39.95 3.03 0.00	44.66 3.23 0.00	43.77 3.20 0.00	46.97 3.57 -0.88	53.68 3.90 -8.74	58.14 4.04 -12.05	58.19 4.26 -10.88	46.40 3.60 -3.18	42.10 3.39 -1.51	39.95 3.29 -0.90	37.44 3.00 -1.14	34.28 2.72 -1.29
DANSKAMMER___3 23590	37.79 2.42 -5.07	34.89 2.13 -6.45	33.42 1.89 -7.65	31.76 1.62 -8.62	31.77 1.43 -11.54	31.66 1.43 -13.04	31.77 1.48 -12.48	30.43 1.01 -17.82	33.38 1.85 -9.53	37.02 2.18 -9.13	35.01 2.75 -0.69	37.83 3.06 -0.02	39.95 3.03 0.00	44.66 3.23 0.00	43.77 3.20 0.00	46.97 3.57 -0.88	53.68 3.90 -8.74	58.14 4.04 -12.05	58.19 4.26 -10.88	46.40 3.60 -3.18	42.10 3.39 -1.51	39.95 3.29 -0.90	37.44 3.00 -1.14	34.28 2.72 -1.29
DANSKAMMER___4 23591	37.79 2.42 -5.07	34.89 2.13 -6.45	33.42 1.89 -7.65	31.76 1.62 -8.62	31.77 1.43 -11.54	31.66 1.43 -13.04	31.77 1.48 -12.48	30.43 1.01 -17.82	33.38 1.85 -9.53	37.02 2.18 -9.13	35.01 2.75 -0.69	37.83 3.06 -0.02	39.95 3.03 0.00	44.66 3.23 0.00	43.77 3.20 0.00	46.97 3.57 -0.88	53.68 3.90 -8.74	58.14 4.04 -12.05	58.19 4.26 -10.88	46.40 3.60 -3.18	42.10 3.39 -1.51	39.95 3.29 -0.90	37.44 3.00 -1.14	34.28 2.72 -1.29
DANSKAMMER___DIESEL 23592	37.79 2.42 -5.07	34.89 2.13 -6.45	33.42 1.89 -7.65	31.76 1.61 -8.62	31.77 1.43 -11.54	31.66 1.43 -13.04	31.77 1.48 -12.48	30.42 1.00 -17.82	33.38 1.85 -9.53	37.02 2.19 -9.13	35.05 2.78 -0.69	37.83 3.06 -0.02	39.95 3.03 0.00	44.49 3.07 0.00	43.94 3.37 0.00	47.01 3.61 -0.88	53.68 3.90 -8.74	58.14 4.04 -12.05	58.19 4.26 -10.88	46.40 3.60 -3.18	42.10 3.39 -1.51	39.95 3.29 -0.90	37.43 3.00 -1.14	34.30 2.75 -1.29
DARBY___SOLAR 323810	50.49 2.27 -17.92	37.90 1.95 -9.65	36.82 1.72 -11.22	34.47 1.51 -11.43	35.91 1.35 -15.76	36.27 1.31 -17.77	37.15 1.32 -18.03	40.17 0.86 -27.71	44.85 1.83 -21.02	46.12 2.18 -18.22	37.22 2.56 -3.08	37.71 2.88 -0.08	41.79 2.73 -2.14	44.32 2.90 0.00	46.25 3.08 -2.60	51.53 3.40 -5.60	69.50 3.53 -24.93	81.83 3.66 -36.11	106.87 4.22 -59.61	70.22 3.72 -26.88	55.42 3.61 -14.60	48.93 3.43 -9.73	41.40 3.00 -5.11	38.10 2.69 -5.15
DASHVILLE___HYD 23610	37.71 1.76 -5.66	34.41 1.58 -6.53	33.05 1.39 -7.78	31.63 1.18 -8.92	31.70 1.02 -11.89	31.67 1.07 -13.41	31.64 1.12 -12.71	30.46 0.97 -17.89	32.55 1.76 -8.79	36.42 2.06 -8.65	34.49 2.05 -0.86	37.10 2.33 -0.02	39.50 2.84 0.27	43.74 2.32 0.00	43.36 3.12 0.33	46.21 2.81 -0.88	53.06 3.20 -8.83	57.74 3.78 -11.90	56.52 4.00 -9.47	45.35 3.37 -2.37	41.22 3.13 -0.88	39.24 3.08 -0.40	36.92 2.20 -1.43	33.86 2.03 -1.57

DEERFIELD_69_KV_DEERFIELD LD 355887	44.19 4.88 -9.03	38.74 4.21 -8.23	37.53 3.77 -9.88	33.92 3.32 -9.07	33.79 2.93 -12.06	34.16 2.80 -14.16	33.66 3.03 -12.82	33.22 2.02 -19.61	40.14 4.05 -14.09	48.33 4.81 -17.81	45.61 5.81 -8.22	49.50 6.50 -8.25	61.73 6.57 -18.23	68.59 6.92 -20.25	86.44 7.10 -38.78	89.23 7.48 -39.23	149.91 7.71 -101.16	207.76 7.91 -157.80	157.34 8.18 -106.12	101.34 7.41 -54.32	81.78 6.81 -37.77	51.40 6.72 -8.91	51.13 6.33 -11.51	49.19 5.69 -13.24
DELAWARE___LFGE 323621	35.23 1.30 -3.64	29.71 1.08 -2.33	27.63 0.98 -2.77	25.55 0.90 -3.12	23.76 0.79 -4.18	23.21 0.84 -5.17	23.65 0.89 -4.95	19.23 0.57 -7.07	26.95 1.17 -3.78	30.72 1.39 -3.62	33.40 1.64 -0.18	36.60 1.84 0.00	38.58 1.66 0.00	43.24 1.82 0.00	42.47 1.91 0.00	44.88 2.13 -0.23	46.60 2.42 -3.14	48.96 2.57 -4.34	49.46 2.97 -3.45	42.86 2.42 -0.83	39.83 2.23 -0.39	38.11 2.11 -0.24	35.52 1.93 -0.30	32.32 1.69 -0.36
DERFIELD_115KV_TB7 355931	30.41 0.12 0.00	26.41 0.11 0.00	23.98 0.10 0.00	21.62 0.09 0.00	18.87 0.08 0.00	18.48 0.26 -1.02	19.06 0.27 -0.98	13.17 0.17 -1.40	23.12 0.37 -0.75	26.89 0.46 -0.72	31.08 0.44 0.94	35.25 0.52 0.02	37.22 0.30 0.00	41.75 0.33 0.00	40.93 0.37 0.00	41.80 0.47 1.19	39.08 0.82 2.78	39.21 0.88 3.73	35.87 1.21 8.38	36.17 0.87 4.31	35.95 0.78 2.04	35.29 0.75 1.22	32.44 0.70 1.55	29.39 0.61 1.47
DOGLEVILLE___HYD 23807	30.72 0.42 0.00	26.64 0.34 0.00	24.17 0.29 0.00	21.81 0.28 0.00	18.97 0.17 0.00	18.62 0.40 -1.02	19.22 0.43 -0.98	13.27 0.28 -1.40	23.39 0.64 -0.75	27.17 0.75 -0.72	31.46 0.82 0.94	35.63 0.90 0.02	37.62 0.70 0.00	42.21 0.79 0.00	41.46 0.89 0.00	42.23 0.89 1.19	39.49 1.23 2.78	39.63 1.31 3.73	36.30 1.64 8.38	36.45 1.15 4.31	36.21 1.04 2.04	35.58 1.04 1.22	32.71 0.97 1.55	29.66 0.88 1.47
DUNKIRK___115KV_TB_200 55889	31.44 0.33 -0.82	27.52 0.18 -1.03	25.37 0.26 -1.23	23.04 0.13 -1.38	21.10 0.45 -1.85	20.40 0.48 -2.72	20.84 0.43 -2.60	15.67 0.36 -3.72	24.87 0.88 -1.99	28.69 1.08 -1.90	31.79 0.76 0.55	35.92 1.18 0.01	37.33 0.41 0.00	42.42 0.99 0.00	41.18 0.61 0.00	42.46 0.64 0.70	41.88 1.44 0.59	42.81 1.51 0.75	41.62 2.75 4.18	39.35 2.26 2.52	38.10 2.08 1.19	37.05 2.00 0.72	34.18 1.80 0.91	31.09 1.66 0.83
DUNKIRK___1 23563	31.44 0.33 -0.82	27.52 0.18 -1.03	25.37 0.26 -1.23	23.04 0.13 -1.38	21.10 0.45 -1.85	20.40 0.48 -2.72	20.84 0.43 -2.60	15.67 0.36 -3.72	24.87 0.88 -1.99	28.69 1.08 -1.90	31.79 0.76 0.55	35.92 1.18 0.01	37.33 0.41 0.00	42.42 0.99 0.00	41.18 0.61 0.00	42.46 0.64 0.70	41.88 1.44 0.59	42.81 1.51 0.75	41.62 2.75 4.18	39.35 2.26 2.52	38.10 2.08 1.19	37.05 2.00 0.72	34.18 1.80 0.91	31.09 1.66 0.83
DUNKIRK___2 23564	31.44 0.33 -0.82	27.52 0.18 -1.03	25.37 0.26 -1.23	23.04 0.13 -1.38	21.10 0.45 -1.85	20.40 0.48 -2.72	20.84 0.43 -2.60	15.67 0.36 -3.72	24.87 0.88 -1.99	28.69 1.08 -1.90	31.79 0.76 0.55	35.92 1.18 0.01	37.33 0.41 0.00	42.42 0.99 0.00	41.18 0.61 0.00	42.46 0.64 0.70	41.88 1.44 0.59	42.81 1.51 0.75	41.62 2.75 4.18	39.35 2.26 2.52	38.10 2.08 1.19	37.05 2.00 0.72	34.18 1.80 0.91	31.09 1.66 0.83
DUNKIRK___3 23565	31.23 0.12 -0.82	27.31 -0.03 -1.03	25.16 0.05 -1.22	22.86 -0.04 -1.38	20.93 0.28 -1.85	20.24 0.33 -2.71	20.67 0.27 -2.60	15.55 0.24 -3.71	24.65 0.66 -1.98	28.46 0.85 -1.90	31.50 0.47 0.55	35.61 0.87 0.01	37.03 0.11 0.00	42.04 0.62 0.00	40.85 0.28 0.00	42.08 0.26 0.70	41.46 1.03 0.60	42.39 1.09 0.76	41.18 2.32 4.19	38.99 1.90 2.53	37.76 1.75 1.20	36.76 1.72 0.72	33.88 1.50 0.91	30.85 1.42 0.83
DUNKIRK___4 23566	31.23 0.12 -0.82	27.31 -0.03 -1.03	25.16 0.05 -1.22	22.86 -0.04 -1.38	20.93 0.28 -1.85	20.24 0.33 -2.71	20.67 0.27 -2.60	15.55 0.24 -3.71	24.65 0.66 -1.98	28.46 0.85 -1.90	31.50 0.47 0.55	35.61 0.87 0.01	37.03 0.11 0.00	42.04 0.62 0.00	40.85 0.28 0.00	42.08 0.26 0.70	41.46 1.03 0.60	42.39 1.09 0.76	41.18 2.32 4.19	38.99 1.90 2.53	37.76 1.75 1.20	36.76 1.72 0.72	33.88 1.50 0.91	30.85 1.42 0.83
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	37.66 2.33 -5.03	34.86 2.10 -6.45	33.42 1.89 -7.65	31.76 1.61 -8.61	31.78 1.45 -11.54	31.67 1.44 -13.03	31.82 1.53 -12.48	30.49 1.08 -17.82	33.51 1.98 -9.53	37.15 2.31 -9.12	35.26 3.00 -0.68	38.00 3.23 -0.02	40.21 3.29 0.00	44.74 3.31 0.00	44.18 3.61 0.00	47.26 3.87 -0.87	53.89 4.14 -8.71	58.30 4.25 -12.00	58.27 4.43 -10.79	46.52 3.76 -3.14	42.15 3.46 -1.49	40.01 3.36 -0.89	37.59 3.16 -1.13	34.44 2.90 -1.28
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	37.26 2.09 -4.88	34.35 1.84 -6.20	32.89 1.65 -7.36	31.21 1.40 -8.28	31.13 1.24 -11.09	31.00 1.26 -12.54	31.12 1.30 -12.01	29.65 0.90 -17.15	32.83 1.65 -9.17	36.45 1.95 -8.78	34.69 2.46 -0.65	37.48 2.71 -0.02	39.62 2.70 0.00	44.07 2.65 0.00	43.49 2.92 0.00	46.53 3.19 -0.82	52.84 3.45 -8.36	57.15 3.57 -11.52	57.19 3.83 -10.32	45.81 3.21 -2.99	41.60 2.98 -1.41	39.54 2.93 -0.85	37.03 2.66 -1.07	33.93 2.45 -1.22
E179THST_138_KV_TB4_REV_LBMP_J 345001	37.94 2.61 -5.04	35.15 2.39 -6.46	33.69 2.15 -7.66	31.98 1.83 -8.62	31.98 1.64 -11.55	31.85 1.62 -13.04	32.00 1.71 -12.48	30.63 1.21 -17.82	33.74 2.20 -9.54	37.41 2.57 -9.13	35.52 3.25 -0.69	38.36 3.58 -0.02	40.55 3.62 -0.01	45.12 3.69 -0.01	44.59 4.02 -0.01	47.69 4.29 -0.87	54.23 4.47 -8.72	58.61 4.54 -12.01	58.58 4.73 -10.80	46.71 3.96 -3.14	42.34 3.65 -1.49	40.34 3.68 -0.90	37.83 3.40 -1.14	34.69 3.15 -1.29
E179THST_13_KV_LOAD 356214	38.15 2.82 -5.04	35.34 2.58 -6.46	33.83 2.29 -7.66	32.09 1.94 -8.62	32.07 1.73 -11.55	31.96 1.72 -13.04	32.11 1.82 -12.48	30.69 1.28 -17.82	33.87 2.33 -9.54	37.57 2.73 -9.13	35.74 3.47 -0.69	38.60 3.82 -0.02	40.81 3.88 -0.01	45.41 3.98 -0.01	44.88 4.30 -0.01	47.99 4.59 -0.87	54.51 4.76 -8.72	58.94 4.88 -12.01	58.93 5.08 -10.80	46.99 4.24 -3.14	42.60 3.91 -1.49	40.63 3.97 -0.90	38.06 3.63 -1.14	34.90 3.36 -1.29
EAST HAMPTON___GT 23717	44.89 5.57 -9.02	39.32 4.79 -8.23	38.03 4.27 -9.88	34.33 3.72 -9.07	34.18 3.33 -12.06	34.52 3.16 -14.16	34.04 3.40 -12.82	33.48 2.27 -19.61	40.69 4.60 -14.09	49.02 5.50 -17.81	46.52 6.73 -8.22	50.61 7.61 -8.25	62.88 7.72 -18.23	70.01 8.33 -20.25	87.58 8.23 -38.78	90.60 8.85 -39.23	151.25 9.03 -101.19	209.13 9.25 -157.82	158.77 9.60 -106.13	102.63 8.68 -54.34	82.87 7.89 -37.77	52.47 7.80 -8.91	52.07 7.26 -11.51	49.98 6.48 -13.24
EAST RIVER___6 23660	37.66 2.33 -5.03	34.86 2.10 -6.45	33.40 1.86 -7.65	31.69 1.55 -8.61	31.78 1.45 -11.54	31.64 1.41 -13.03	31.82 1.53 -12.48	30.51 1.10 -17.81	33.49 1.96 -9.53	37.10 2.26 -9.12	35.26 3.00 -0.68	38.00 3.23 -0.02	40.21 3.29 0.00	44.90 3.48 0.00	44.06 3.49 0.00	47.34 3.96 -0.87	53.93 4.19 -8.71	58.30 4.25 -12.00	58.23 4.39 -10.79	46.48 3.72 -3.14	42.08 3.39 -1.49	40.01 3.36 -0.89	37.69 3.26 -1.13	34.47 2.93 -1.28

EAST RIVER___7 23524	37.66 2.33 -5.03	34.86 2.10 -6.45	33.40 1.86 -7.65	31.69 1.55 -8.61	31.78 1.45 -11.54	31.64 1.41 -13.03	31.82 1.53 -12.48	30.51 1.10 -17.81	33.49 1.96 -9.53	37.10 2.26 -9.12	35.26 3.00 -0.68	38.00 3.23 -0.02	40.21 3.29 0.00	44.90 3.48 0.00	44.06 3.49 0.00	47.34 3.96 -0.87	53.93 4.19 -8.71	58.30 4.25 -12.00	58.23 4.39 -10.79	46.48 3.72 -3.14	42.08 3.39 -1.49	40.01 3.36 -0.89	37.69 3.26 -1.13	34.47 2.93 -1.28
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	37.58 2.27 -5.02	34.79 2.05 -6.43	33.33 1.82 -7.63	31.69 1.57 -8.59	31.71 1.41 -11.51	31.60 1.41 -13.00	31.73 1.48 -12.44	30.41 1.04 -17.77	33.42 1.91 -9.50	37.04 2.24 -9.10	35.16 2.91 -0.68	37.90 3.13 -0.02	40.10 3.18 0.00	44.57 3.15 0.00	44.02 3.45 0.00	47.12 3.74 -0.86	53.74 4.02 -8.68	58.14 4.12 -11.96	58.10 4.30 -10.75	46.38 3.64 -3.13	42.04 3.35 -1.48	39.94 3.29 -0.89	37.48 3.06 -1.12	34.31 2.78 -1.27
EAST_HAMPTON___DIESEL 23722	44.89 5.57 -9.02	39.32 4.79 -8.23	38.06 4.30 -9.88	34.35 3.75 -9.07	34.18 3.33 -12.06	34.54 3.18 -14.16	34.05 3.42 -12.82	33.49 2.28 -19.61	40.71 4.62 -14.09	49.05 5.53 -17.81	46.55 6.76 -8.22	50.64 7.64 -8.25	62.91 7.76 -18.23	70.05 8.37 -20.25	87.62 8.27 -38.78	90.60 8.85 -39.23	151.25 9.03 -101.19	209.17 9.29 -157.82	158.82 9.64 -106.13	102.63 8.68 -54.34	82.90 7.93 -37.77	52.51 7.83 -8.91	52.07 7.26 -11.51	50.01 6.51 -13.24
EAST_PULASKI___ESR 323781	29.90 -0.39 0.00	26.38 -0.37 -0.45	24.03 -0.38 -0.53	21.81 -0.32 -0.60	19.34 -0.26 -0.80	18.63 -0.12 -1.55	19.17 -0.12 -1.48	13.64 -0.08 -2.12	23.05 -0.09 -1.13	26.72 -0.08 -1.09	30.68 -0.25 0.64	34.49 -0.24 0.02	36.37 -0.55 0.00	40.80 -0.62 0.00	39.88 -0.69 0.00	41.11 -0.60 0.82	39.34 -0.21 1.50	39.94 -0.13 1.99	37.96 0.39 5.47	36.93 0.28 2.97	36.07 0.26 1.40	35.10 0.18 0.84	32.33 0.10 1.07	29.26 0.00 1.00
EAST_RIVER___1 323558	37.81 2.48 -5.03	34.96 2.21 -6.45	33.49 1.96 -7.65	31.82 1.68 -8.61	31.84 1.50 -11.54	31.72 1.50 -13.03	31.89 1.60 -12.48	30.55 1.14 -17.81	33.60 2.07 -9.53	37.22 2.39 -9.12	35.38 3.13 -0.68	38.18 3.41 -0.02	40.36 3.43 0.00	45.07 3.65 0.00	44.18 3.61 0.00	47.47 4.08 -0.87	54.05 4.31 -8.71	58.47 4.41 -12.00	58.40 4.56 -10.79	46.64 3.88 -3.14	42.27 3.57 -1.49	40.16 3.51 -0.89	37.78 3.36 -1.13	34.56 3.03 -1.28
EAST_RIVER___2 323559	37.66 2.33 -5.03	34.86 2.10 -6.45	33.40 1.86 -7.65	31.69 1.55 -8.61	31.78 1.45 -11.54	31.64 1.41 -13.03	31.82 1.53 -12.48	30.51 1.10 -17.81	33.49 1.96 -9.53	37.10 2.26 -9.12	35.26 3.00 -0.68	38.00 3.23 -0.02	40.21 3.29 0.00	44.90 3.48 0.00	44.06 3.49 0.00	47.34 3.96 -0.87	53.93 4.19 -8.71	58.30 4.25 -12.00	58.23 4.39 -10.79	46.48 3.72 -3.14	42.08 3.39 -1.49	40.01 3.36 -0.89	37.69 3.26 -1.13	34.47 2.93 -1.28
EAST___DELAWARE_HYD 23607	37.36 2.45 -4.62	34.03 2.13 -5.60	32.39 1.86 -6.64	30.60 1.59 -7.48	30.11 1.30 -10.01	29.95 1.39 -11.36	30.11 1.43 -10.88	28.08 0.95 -15.53	32.03 1.72 -8.31	35.72 2.06 -7.95	34.76 2.59 -0.59	37.62 2.85 -0.01	39.73 2.80 0.00	44.41 2.98 0.00	43.57 3.00 0.00	46.72 3.44 -0.75	52.40 3.77 -7.59	56.46 3.95 -10.45	56.70 4.26 -9.40	45.95 3.60 -2.73	41.92 3.42 -1.29	39.86 3.33 -0.77	37.27 3.00 -0.98	34.03 2.66 -1.11
EIGHT_POINT___WT_PWR 323820	32.06 0.76 -1.01	28.03 0.50 -1.23	25.82 0.48 -1.46	23.56 0.39 -1.64	21.53 0.53 -2.20	20.91 0.62 -3.09	21.36 0.59 -2.96	16.26 0.44 -4.23	25.25 0.99 -2.26	29.06 1.18 -2.16	32.19 1.10 0.49	36.06 1.32 0.01	37.73 0.81 0.00	42.13 0.70 0.00	41.95 1.38 0.00	42.91 1.02 0.63	42.49 1.68 0.22	43.70 1.89 0.25	42.51 3.01 3.55	39.95 2.61 2.28	38.59 2.46 1.08	37.44 2.32 0.64	34.34 1.86 0.82	31.30 1.78 0.74
ELBRIDGE_115KV_TB2 80188	30.70 -0.06 -0.47	26.85 -0.11 -0.66	24.57 -0.10 -0.78	22.32 -0.09 -0.87	19.97 0.00 -1.17	19.30 0.12 -1.98	19.81 0.11 -1.89	14.39 0.09 -2.70	23.69 0.24 -1.45	27.38 0.28 -1.38	31.14 0.19 0.63	35.01 0.28 0.02	36.96 0.04 0.00	41.55 0.12 0.00	40.69 0.12 0.00	41.89 0.17 0.80	40.42 0.62 1.23	41.10 0.67 1.63	38.99 1.12 5.18	37.43 0.71 2.89	36.51 0.67 1.37	35.55 0.61 0.82	32.79 0.53 1.04	29.74 0.45 0.97
ELEC_TRO_TEK 24086	42.13 2.82 -9.03	37.01 2.47 -8.23	36.00 2.25 -9.88	32.54 1.94 -9.07	32.59 1.73 -12.06	33.06 1.70 -14.16	32.43 1.80 -12.82	32.46 1.25 -19.61	38.42 2.33 -14.09	46.19 2.73 -17.75	38.08 3.38 -3.12	40.37 3.65 -1.97	46.32 3.66 -5.74	49.36 3.73 -4.21	50.48 4.02 -5.90	49.72 4.34 -2.86	54.39 4.64 -8.71	58.73 4.67 -12.01	58.66 4.82 -10.80	47.03 4.28 -3.14	42.64 3.94 -1.49	40.55 3.90 -0.89	38.14 3.70 -1.15	36.91 3.36 -3.30
ELLENBURG_WT_PWR 323604	29.90 -0.39 0.00	25.91 -0.39 0.00	23.53 -0.36 0.00	21.23 -0.30 0.00	18.42 -0.38 0.00	17.16 -0.34 -0.30	17.78 -0.32 -0.29	11.80 -0.21 -0.41	21.83 -0.40 -0.22	25.48 -0.44 -0.21	30.82 -0.51 0.25	34.12 -0.62 0.01	36.63 -0.30 0.00	41.30 -0.12 0.00	40.29 -0.28 0.00	41.86 -0.34 0.32	39.41 -0.90 0.72	40.20 -0.89 0.97	39.58 -1.25 2.22	37.60 -0.87 1.15	35.85 -0.82 0.54	34.58 -0.86 0.32	32.08 -0.80 0.41	29.11 -0.76 0.39
ELM_ST_23_KV_LD_REV_LBMP_A 345012	30.82 -0.24 -0.77	27.05 -0.24 -0.98	24.88 -0.17 -1.16	22.60 -0.24 -1.31	20.65 0.09 -1.76	20.00 0.19 -2.62	20.42 0.11 -2.51	15.29 0.12 -3.58	24.33 0.42 -1.91	28.11 0.57 -1.83	30.95 -0.06 0.56	35.05 0.31 0.01	36.44 -0.48 0.00	41.55 0.12 0.00	40.20 -0.37 0.00	41.38 -0.43 0.71	40.84 0.49 0.69	41.67 0.50 0.89	40.55 1.85 4.34	38.33 1.31 2.59	37.21 1.23 1.22	36.25 1.22 0.73	33.43 1.07 0.93	30.46 1.06 0.85
EMPIRE_CC_1 323656	37.41 1.27 -5.84	34.08 1.16 -6.62	33.05 1.05 -8.12	33.05 0.95 -10.57	33.24 0.81 -13.64	33.24 0.83 -15.22	32.02 0.84 -13.37	28.95 0.58 -16.78	24.83 1.14 -1.68	30.87 1.31 -3.85	34.30 1.45 -1.27	36.35 1.57 -0.03	35.85 1.44 2.51	42.79 1.36 0.00	39.02 1.50 3.05	43.85 1.70 0.37	48.29 1.93 -5.32	49.01 1.98 -4.98	33.11 2.24 12.17	32.49 1.94 9.06	32.49 1.79 6.50	32.49 1.79 5.06	37.13 1.73 -2.10	34.15 1.63 -2.26
EMPIRE_CC_2 323658	37.41 1.27 -5.84	34.08 1.16 -6.62	33.05 1.05 -8.12	33.05 0.95 -10.57	33.24 0.81 -13.64	33.24 0.83 -15.22	32.02 0.84 -13.37	28.95 0.58 -16.78	24.83 1.14 -1.68	30.87 1.31 -3.85	34.30 1.45 -1.27	36.35 1.57 -0.03	35.85 1.44 2.51	42.79 1.36 0.00	39.02 1.50 3.05	43.85 1.70 0.37	48.29 1.93 -5.32	49.01 1.98 -4.98	33.11 2.24 12.17	32.49 1.94 9.06	32.49 1.79 6.50	32.49 1.79 5.06	37.13 1.73 -2.10	34.15 1.63 -2.26
ENORWICH_115KV_TB1 80156	34.97 2.70 -1.99	30.17 2.10 -1.77	27.80 1.82 -2.10	25.53 1.64 -2.36	23.24 1.28 -3.16	22.64 1.34 -4.10	23.16 1.42 -3.93	18.12 0.92 -5.61	26.96 1.96 -3.00	30.90 2.31 -2.87	33.99 2.65 0.24	37.63 2.88 0.01	39.62 2.70 0.00	44.82 3.40 0.00	43.69 3.12 0.00	45.83 3.61 0.30	46.31 4.10 -1.17	48.12 4.42 -1.65	47.79 5.55 0.81	43.12 4.60 1.09	41.01 4.32 0.52	39.39 3.93 0.31	36.50 3.60 0.39	32.97 3.03 0.31

ERIE_ST__34_KV_TB1-2 80199	31.01 -0.09 -0.80	26.79 -0.53 -1.02	24.69 -0.41 -1.21	22.42 -0.47 -1.36	20.51 -0.11 -1.82	19.87 -0.02 -2.69	20.31 -0.07 -2.57	15.30 0.03 -3.67	24.23 0.26 -1.97	27.98 0.39 -1.88	31.31 0.28 0.55	35.43 0.70 0.01	36.81 -0.11 0.00	41.84 0.41 0.00	40.61 0.04 0.00	41.90 0.09 0.70	40.86 0.45 0.62	41.76 0.50 0.80	40.45 1.64 4.23	38.73 1.66 2.54	37.53 1.53 1.20	36.51 1.47 0.72	33.68 1.30 0.92	30.57 1.15 0.84
ERIE_WT_PWR 323693	30.96 -0.12 -0.79	27.10 -0.21 -1.01	24.96 -0.12 -1.19	22.68 -0.19 -1.34	20.73 0.13 -1.80	20.08 0.22 -2.66	20.50 0.14 -2.55	15.39 0.15 -3.64	24.43 0.48 -1.95	28.19 0.62 -1.86	31.21 0.19 0.56	35.29 0.55 0.01	36.70 -0.22 0.00	40.93 -0.50 0.00	41.02 0.45 0.00	41.56 -0.25 0.71	41.00 0.62 0.65	41.86 0.63 0.83	40.67 1.89 4.27	38.64 1.59 2.56	37.45 1.45 1.21	36.36 1.32 0.73	33.34 0.97 0.92	30.45 1.03 0.84
ESPRGFLD_115KV_TB1 80157	43.77 2.09 -11.39	26.16 1.68 1.82	23.21 1.48 2.16	20.43 1.33 2.43	16.74 1.20 3.26	15.43 1.19 2.96	16.23 1.25 2.83	8.36 0.80 4.04	21.51 1.67 2.16	25.65 2.01 2.07	35.95 2.43 -1.94	37.58 2.78 -0.05	39.54 2.62 0.00	44.40 2.98 0.00	43.61 3.04 0.00	48.43 3.44 -2.47	50.12 3.73 -5.35	53.23 4.00 -7.18	64.75 4.61 -17.10	52.45 3.88 -8.95	45.09 3.65 -4.24	41.66 3.36 -2.54	39.44 2.93 -3.22	35.78 2.48 -3.04
ETNA_115_KV_TB1_REV_LBMP_C 345029	32.25 0.82 -1.14	28.25 0.63 -1.32	26.00 0.55 -1.56	23.76 0.47 -1.76	21.61 0.45 -2.36	21.02 0.57 -3.25	21.49 0.57 -3.12	16.43 0.38 -4.45	25.20 0.81 -2.38	28.94 0.95 -2.28	32.13 1.01 0.46	35.89 1.15 0.01	37.85 0.92 0.00	42.58 1.16 0.00	41.66 1.10 0.00	43.22 1.28 0.58	42.71 1.68 0.01	43.99 1.89 -0.04	42.49 2.58 3.14	39.57 2.06 2.10	38.15 1.93 0.99	36.96 1.79 0.59	34.14 1.60 0.76	30.98 1.39 0.67
ETNA____115KV_TB2 80207	32.25 0.82 -1.14	28.25 0.63 -1.32	26.00 0.55 -1.56	23.76 0.47 -1.76	21.61 0.45 -2.36	21.02 0.57 -3.25	21.49 0.57 -3.12	16.43 0.38 -4.45	25.20 0.81 -2.38	28.94 0.95 -2.28	32.13 1.01 0.46	35.89 1.15 0.01	37.85 0.92 0.00	42.58 1.16 0.00	41.66 1.10 0.00	43.22 1.28 0.58	42.71 1.68 0.01	43.99 1.89 -0.04	42.49 2.58 3.14	39.57 2.06 2.10	38.15 1.93 0.99	36.96 1.79 0.59	34.14 1.60 0.76	30.98 1.39 0.67
EUCLID____115KV_TB2 356179	29.96 -0.33 0.00	26.53 -0.29 -0.52	24.22 -0.29 -0.62	21.97 -0.26 -0.70	19.56 -0.17 -0.93	18.93 0.00 -1.73	19.45 -0.02 -1.66	13.97 0.00 -2.37	23.34 0.07 -1.27	27.00 0.08 -1.21	30.78 -0.13 0.67	34.67 -0.07 0.02	36.59 -0.33 0.00	41.13 -0.29 0.00	40.28 -0.28 0.00	41.45 -0.21 0.86	39.73 0.21 1.51	40.30 0.25 2.01	38.05 0.69 5.69	36.83 0.32 3.10	36.04 0.30 1.47	35.13 0.25 0.88	32.34 0.17 1.12	29.34 0.12 1.04
E_CANADA_CAP_HY 24051	47.14 2.67 -14.18	38.93 2.16 -10.47	38.18 1.89 -12.41	37.19 1.68 -13.98	39.08 1.56 -18.72	39.57 1.46 -20.91	39.34 1.51 -20.02	41.15 0.96 -28.59	39.32 2.02 -15.29	42.74 2.39 -14.64	37.09 2.94 -2.58	38.22 3.41 -0.06	40.17 3.25 0.00	44.99 3.56 0.00	44.34 3.77 0.00	50.01 4.21 -3.27	64.75 4.55 -19.16	73.15 4.83 -26.26	79.66 5.47 -31.15	56.24 4.75 -11.87	47.29 4.46 -5.62	43.24 4.11 -3.36	41.09 3.53 -4.27	37.69 3.03 -4.41
E_CANADA_MHWK_HY 24050	30.72 0.42 0.00	26.64 0.34 0.00	24.17 0.29 0.00	21.81 0.28 0.00	18.97 0.17 0.00	18.62 0.40 -1.02	19.22 0.43 -0.98	13.27 0.28 -1.40	23.39 0.64 -0.75	27.17 0.75 -0.72	31.46 0.82 0.94	35.63 0.90 0.02	37.62 0.70 0.00	42.21 0.79 0.00	41.46 0.89 0.00	42.23 0.89 1.19	39.49 1.23 2.78	39.63 1.31 3.73	36.30 1.64 8.38	36.45 1.15 4.31	36.21 1.04 2.04	35.58 1.04 1.22	32.71 0.97 1.55	29.66 0.88 1.47
E_FISHKILL____LBMP 23776	37.43 1.97 -5.16	34.72 1.79 -6.63	33.34 1.60 -7.86	31.76 1.38 -8.85	31.89 1.24 -11.85	31.81 1.24 -13.38	31.92 1.30 -12.81	30.80 0.92 -18.29	33.46 1.67 -9.78	37.03 1.95 -9.36	34.75 2.46 -0.71	37.45 2.68 -0.02	39.58 2.66 0.00	44.07 2.65 0.00	43.49 2.92 0.00	46.61 3.19 -0.90	53.46 3.45 -8.98	57.96 3.53 -12.37	57.92 3.70 -11.18	46.01 3.13 -3.27	41.66 2.90 -1.55	39.51 2.83 -0.93	37.13 2.66 -1.18	34.01 2.42 -1.33
FALCON____SEABRD_CC1 323796	30.26 -0.03 0.00	26.17 -0.13 0.00	23.79 -0.10 0.00	21.44 -0.09 0.00	18.63 -0.17 0.00	17.33 -0.17 -0.30	17.96 -0.14 -0.29	11.93 -0.08 -0.42	22.07 -0.15 -0.22	25.74 -0.18 -0.21	31.11 -0.22 0.25	34.43 -0.31 0.01	37.00 0.07 0.00	41.71 0.29 0.00	40.73 0.16 0.00	42.29 0.09 0.32	39.78 -0.53 0.73	40.62 -0.46 0.97	40.05 -0.77 2.23	37.99 -0.47 1.15	36.25 -0.41 0.54	34.97 -0.47 0.33	32.41 -0.47 0.41	29.44 -0.42 0.39
FALCON____SEABRD_CC2 323797	30.26 -0.03 0.00	26.17 -0.13 0.00	23.79 -0.10 0.00	21.44 -0.09 0.00	18.63 -0.17 0.00	17.33 -0.17 -0.30	17.96 -0.14 -0.29	11.93 -0.08 -0.42	22.07 -0.15 -0.22	25.74 -0.18 -0.21	31.11 -0.22 0.25	34.43 -0.31 0.01	37.00 0.07 0.00	41.71 0.29 0.00	40.73 0.16 0.00	42.29 0.09 0.32	39.78 -0.53 0.73	40.62 -0.46 0.97	40.05 -0.77 2.23	37.99 -0.47 1.15	36.25 -0.41 0.54	34.97 -0.47 0.33	32.41 -0.47 0.41	29.44 -0.42 0.39
FAR ROCKAWAY____4 23548	42.86 3.54 -9.03	37.59 3.05 -8.23	36.48 2.72 -9.88	32.97 2.37 -9.07	32.94 2.09 -12.06	33.40 2.05 -14.16	32.77 2.14 -12.82	32.69 1.48 -19.61	38.91 2.82 -14.09	46.50 3.03 -17.75	38.55 3.85 -3.12	40.97 4.24 -1.97	46.99 4.32 -5.74	50.15 4.52 -4.21	51.25 4.79 -5.90	50.48 5.10 -2.86	55.17 5.42 -8.71	59.53 5.47 -12.01	59.31 5.47 -10.80	47.63 4.87 -3.14	43.12 4.43 -1.49	41.02 4.36 -0.89	38.67 4.23 -1.15	37.31 3.78 -3.27
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	37.81 2.48 -5.03	34.99 2.24 -6.45	33.54 2.01 -7.65	31.84 1.70 -8.61	31.86 1.52 -11.54	31.74 1.51 -13.03	31.91 1.62 -12.48	30.56 1.15 -17.81	33.64 2.11 -9.53	37.27 2.44 -9.12	35.45 3.19 -0.68	38.21 3.44 -0.02	40.39 3.47 0.00	44.94 3.52 0.00	44.42 3.85 0.00	47.55 4.17 -0.87	54.10 4.35 -8.71	58.51 4.46 -12.00	58.49 4.65 -10.79	46.63 3.88 -3.14	42.30 3.61 -1.49	40.16 3.50 -0.89	37.72 3.30 -1.13	34.56 3.03 -1.28
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	37.81 2.48 -5.03	34.99 2.24 -6.45	33.54 2.01 -7.65	31.84 1.70 -8.61	31.86 1.52 -11.54	31.76 1.53 -13.03	31.91 1.62 -12.48	30.56 1.15 -17.81	33.64 2.11 -9.53	37.27 2.44 -9.12	35.45 3.19 -0.68	38.21 3.44 -0.02	40.39 3.47 0.00	44.94 3.52 0.00	44.42 3.85 0.00	47.55 4.17 -0.87	54.14 4.39 -8.71	58.51 4.46 -12.00	58.49 4.65 -10.79	46.67 3.92 -3.14	42.30 3.61 -1.49	40.16 3.50 -0.89	37.75 3.33 -1.13	34.59 3.06 -1.28
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	37.78 2.45 -5.03	34.96 2.21 -6.45	33.52 1.98 -7.65	31.82 1.68 -8.61	31.84 1.50 -11.54	31.74 1.51 -13.03	31.89 1.60 -12.48	30.55 1.14 -17.81	33.62 2.09 -9.53	37.25 2.42 -9.12	35.42 3.16 -0.68	38.18 3.41 -0.02	40.36 3.43 0.00	44.90 3.48 0.00	44.38 3.81 0.00	47.51 4.12 -0.87	54.05 4.31 -8.71	58.47 4.42 -12.00	58.40 4.56 -10.79	46.60 3.84 -3.14	42.27 3.57 -1.49	40.12 3.47 -0.89	37.69 3.26 -1.13	34.56 3.03 -1.28

FARRAGUT___LBMP 323566	37.75 2.42 -5.03	34.96 2.21 -6.45	33.49 1.96 -7.65	31.80 1.66 -8.61	31.82 1.48 -11.54	31.72 1.50 -13.03	31.87 1.59 -12.48	30.55 1.14 -17.81	33.60 2.07 -9.53	37.22 2.39 -9.12	35.38 3.13 -0.68	38.14 3.37 -0.02	40.32 3.40 0.00	44.86 3.44 0.00	44.34 3.77 0.00	47.47 4.08 -0.87	54.01 4.27 -8.71	58.43 4.37 -12.00	58.36 4.52 -10.79	46.56 3.80 -3.14	42.23 3.53 -1.49	40.09 3.43 -0.89	37.65 3.23 -1.13	34.53 3.00 -1.28
FENNER___WINDPWR 24204	31.52 0.70 -0.53	27.58 0.55 -0.72	25.20 0.45 -0.86	22.90 0.41 -0.97	20.41 0.32 -1.30	19.81 0.46 -2.15	20.35 0.48 -2.06	14.86 0.32 -2.94	24.30 0.73 -1.57	28.09 0.87 -1.51	31.87 0.95 0.65	35.81 1.08 0.02	37.77 0.85 0.00	42.41 0.99 0.00	41.70 1.13 0.00	42.92 1.23 0.83	41.39 1.60 1.24	42.10 1.68 1.64	39.87 2.19 5.37	38.30 1.70 3.01	37.38 1.60 1.43	36.34 1.43 0.85	33.47 1.26 1.08	30.34 1.09 1.01
FIBERTEK___ENERGY 23856	30.32 0.03 0.00	26.92 0.00 -0.62	24.59 -0.02 -0.73	22.33 -0.02 -0.83	19.94 0.04 -1.11	19.28 0.17 -1.91	19.80 0.16 -1.83	14.34 0.13 -2.61	23.71 0.31 -1.40	27.43 0.39 -1.34	31.25 0.32 0.64	35.12 0.38 0.02	37.11 0.18 0.00	41.71 0.29 0.00	40.85 0.28 0.00	42.09 0.38 0.81	40.51 0.78 1.30	41.17 0.84 1.73	39.04 1.29 5.30	37.50 0.83 2.94	36.60 0.78 1.39	35.65 0.72 0.83	32.87 0.63 1.06	29.79 0.51 0.98
FITZPATRICK____ 23598	29.48 -0.82 0.00	25.97 -0.71 -0.37	23.68 -0.64 -0.44	21.45 -0.58 -0.50	19.01 -0.45 -0.67	18.33 -0.29 -1.42	18.87 -0.30 -1.36	13.35 -0.19 -1.94	22.71 -0.33 -1.04	26.32 -0.38 -0.99	30.27 -0.63 0.68	34.07 -0.66 0.02	36.00 -0.92 0.00	40.35 -1.08 0.00	39.71 -0.85 0.00	40.72 -0.94 0.86	38.78 -0.57 1.68	39.26 -0.55 2.24	36.99 -0.21 5.84	36.02 -0.47 3.12	35.29 -0.44 1.48	34.41 -0.47 0.89	31.70 -0.47 1.12	28.81 -0.39 1.06
FLOWRFLD_69_KV_BK1 356044	43.04 3.73 -9.03	37.77 3.24 -8.23	36.67 2.91 -9.88	33.14 2.54 -9.07	33.15 2.29 -12.06	33.54 2.18 -14.16	32.97 2.33 -12.82	32.78 1.58 -19.61	39.17 3.08 -14.09	47.12 3.57 -17.83	45.62 4.14 -9.90	46.13 4.27 -7.11	63.56 4.28 -22.35	71.40 4.43 -25.55	94.90 4.71 -49.62	98.80 5.06 -51.22	177.98 5.29 -131.65	253.27 5.34 -205.87	186.10 5.51 -137.55	115.76 4.95 -71.20	91.48 4.54 -49.73	48.06 4.54 -7.76	51.16 4.63 -13.23	51.16 4.36 -16.54
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	37.87 2.48 -5.09	34.97 2.18 -6.48	33.50 1.93 -7.69	31.84 1.66 -8.65	31.88 1.48 -11.59	31.77 1.48 -13.09	31.86 1.51 -12.53	30.51 1.02 -17.90	33.47 1.89 -9.57	37.11 2.24 -9.16	35.11 2.84 -0.69	37.90 3.13 -0.02	40.02 3.10 0.00	44.61 3.19 0.00	44.02 3.45 0.00	47.10 3.70 -0.88	53.84 4.02 -8.78	58.28 4.12 -12.10	58.37 4.39 -10.94	46.54 3.72 -3.20	42.18 3.46 -1.51	40.03 3.36 -0.91	37.51 3.06 -1.15	34.37 2.81 -1.30
FORT ORANGE____ 23900	40.70 1.30 -9.10	34.75 1.18 -7.26	33.69 1.00 -8.80	33.39 0.90 -10.96	33.90 0.81 -14.29	33.98 0.81 -15.98	33.06 0.82 -14.43	31.07 0.56 -18.92	27.95 1.12 -4.83	33.29 1.34 -6.24	35.01 1.58 -1.85	36.50 1.70 -0.05	36.58 1.48 1.82	42.87 1.45 0.00	39.98 1.62 2.22	45.26 1.83 -0.91	52.63 2.09 -9.50	55.64 2.27 -11.32	47.08 2.54 -1.49	39.49 2.18 2.30	36.48 1.97 2.70	35.23 1.93 2.46	38.19 1.83 -3.07	35.11 1.66 -3.19
FORT_DRUM_COGEN 23780	30.38 0.09 0.00	26.57 -0.05 -0.32	24.09 -0.17 -0.38	21.82 -0.13 -0.42	19.16 -0.21 -0.57	18.32 -0.12 -1.24	18.91 -0.09 -1.19	13.21 -0.08 -1.70	22.89 -0.02 -0.91	26.58 0.00 -0.87	30.83 -0.13 0.62	34.56 -0.17 0.02	36.44 -0.48 0.00	41.13 -0.29 0.00	40.08 -0.49 0.00	41.53 -0.21 0.78	39.41 -0.08 1.54	40.16 0.17 2.06	38.69 0.95 5.31	37.57 0.79 2.83	36.69 0.82 1.34	35.57 0.61 0.80	32.77 0.50 1.02	29.51 0.21 0.96
FPL_FAR_ROCK_GT1 24212	42.86 3.54 -9.03	37.59 3.05 -8.24	36.48 2.72 -9.88	32.98 2.37 -9.08	32.95 2.09 -12.06	33.41 2.05 -14.17	32.77 2.14 -12.83	32.69 1.48 -19.61	38.91 2.82 -14.09	46.50 3.03 -17.76	38.52 3.82 -3.13	40.97 4.24 -1.98	46.99 4.32 -5.75	50.32 4.68 -4.22	51.09 4.62 -5.90	50.48 5.10 -2.86	55.18 5.42 -8.73	59.53 5.46 -12.01	59.32 5.47 -10.80	47.64 4.87 -3.15	43.12 4.43 -1.49	40.95 4.29 -0.89	38.67 4.23 -1.15	37.32 3.78 -3.28
FPL_FAR_ROCK_GT2 23815	42.86 3.54 -9.03	37.59 3.05 -8.24	36.48 2.72 -9.88	32.98 2.37 -9.08	32.95 2.09 -12.06	33.41 2.05 -14.17	32.77 2.14 -12.83	32.69 1.48 -19.61	38.91 2.82 -14.09	46.50 3.03 -17.76	38.52 3.82 -3.13	40.97 4.24 -1.98	46.99 4.32 -5.75	50.32 4.68 -4.22	51.09 4.62 -5.90	50.48 5.10 -2.86	55.18 5.42 -8.73	59.53 5.46 -12.01	59.32 5.47 -10.80	47.64 4.87 -3.15	43.12 4.43 -1.49	40.95 4.29 -0.89	38.67 4.23 -1.15	37.32 3.78 -3.28
FRANKLIN_FALL_HYD 24054	29.96 -0.33 0.00	25.93 -0.37 0.00	23.55 -0.33 0.00	21.23 -0.30 0.00	18.36 -0.43 0.00	17.19 -0.38 -0.37	17.83 -0.34 -0.36	11.90 -0.21 -0.51	21.88 -0.40 -0.27	25.51 -0.46 -0.26	30.73 -0.57 0.28	34.02 -0.73 0.01	36.66 -0.26 0.00	41.34 -0.08 0.00	40.41 -0.16 0.00	41.91 -0.26 0.36	39.21 -1.03 0.80	40.01 -0.97 1.07	39.22 -1.33 2.49	37.33 -0.99 1.29	35.74 -0.86 0.61	34.50 -0.89 0.37	31.96 -0.87 0.47	29.00 -0.82 0.44
FREEPORT_EQUS_GT1 23764	42.56 3.24 -9.03	37.35 2.82 -8.23	36.29 2.53 -9.88	32.78 2.17 -9.08	32.80 1.94 -12.06	33.27 1.91 -14.16	32.63 1.99 -12.83	32.60 1.39 -19.61	38.71 2.62 -14.09	46.50 3.03 -17.75	38.45 3.76 -3.12	40.86 4.13 -1.97	46.69 4.03 -5.74	49.94 4.31 -4.21	50.76 4.30 -5.90	50.14 4.76 -2.86	54.81 5.05 -8.72	59.15 5.09 -12.01	59.09 5.25 -10.80	47.44 4.67 -3.15	43.16 4.46 -1.49	41.05 4.40 -0.89	38.64 4.20 -1.15	37.41 3.78 -3.37
FREEPORT___CT2 23818	42.56 3.24 -9.03	37.35 2.82 -8.23	36.29 2.53 -9.88	32.78 2.17 -9.08	32.80 1.94 -12.06	33.27 1.91 -14.16	32.63 1.99 -12.83	32.60 1.39 -19.61	38.71 2.62 -14.09	46.50 3.03 -17.75	38.45 3.76 -3.12	40.86 4.13 -1.97	46.69 4.03 -5.74	49.94 4.31 -4.21	50.76 4.30 -5.90	50.14 4.76 -2.86	54.81 5.05 -8.72	59.15 5.09 -12.01	59.09 5.25 -10.80	47.44 4.67 -3.15	43.16 4.46 -1.49	41.05 4.40 -0.89	38.64 4.20 -1.15	37.41 3.78 -3.37
FRESHKLS_33_KV_LOAD 356253	37.97 2.64 -5.04	35.15 2.39 -6.46	33.69 2.15 -7.66	32.00 1.85 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.06 1.76 -12.48	30.65 1.23 -17.82	33.76 2.22 -9.54	37.43 2.60 -9.12	35.61 3.35 -0.69	38.36 3.58 -0.02	40.63 3.66 -0.06	45.29 3.81 -0.06	50.15 4.10 -5.49	79.10 4.42 -32.16	79.16 4.64 -33.49	84.03 4.75 -37.22	78.00 4.91 -30.05	46.84 4.08 -3.15	42.46 3.76 -1.49	40.43 3.72 -0.95	38.06 3.53 -1.24	34.81 3.27 -1.29
FULTON COGEN____ 23766	29.87 -0.42 0.00	26.42 -0.37 -0.49	24.11 -0.36 -0.58	21.86 -0.32 -0.65	19.45 -0.23 -0.88	18.77 -0.07 -1.65	19.30 -0.09 -1.58	13.80 -0.05 -2.25	23.18 -0.02 -1.20	26.84 -0.03 -1.15	30.73 -0.19 0.65	34.56 -0.17 0.02	36.52 -0.41 0.00	40.97 -0.46 0.00	40.12 -0.45 0.00	41.27 -0.43 0.83	39.55 0.00 1.48	40.12 0.04 1.97	37.99 0.47 5.52	36.80 0.20 3.01	35.97 0.19 1.42	35.05 0.14 0.85	32.31 0.10 1.08	29.28 0.03 1.01

FULTON___LFGE 323630	49.90 4.24 -15.37	39.57 3.44 -9.82	38.51 2.99 -11.65	37.29 2.65 -13.11	38.45 2.09 -17.56	39.11 2.23 -19.68	38.99 2.28 -18.90	40.13 1.43 -27.11	39.89 3.01 -14.87	43.41 3.57 -14.13	38.85 4.42 -2.85	40.00 5.18 -0.07	42.03 4.98 -0.13	46.93 5.51 0.00	46.69 5.97 -0.16	52.83 6.59 -3.72	67.89 7.02 -19.84	76.91 7.57 -27.29	86.32 8.52 -34.75	61.10 7.61 -13.88	51.04 7.15 -6.68	46.37 6.55 -4.06	43.54 5.53 -4.72	39.89 4.81 -4.82
G.F.CEMENT___DRP 24184	50.68 2.61 -17.78	37.86 2.18 -9.38	36.73 1.89 -10.96	34.69 1.66 -11.50	36.02 1.50 -15.72	36.32 1.43 -17.69	36.89 1.42 -17.66	39.12 0.93 -26.59	42.65 2.07 -18.58	44.65 2.49 -16.45	37.64 2.91 -3.16	38.17 3.34 -0.08	41.56 3.14 -1.50	44.74 3.31 0.00	46.04 3.65 -1.82	51.71 4.00 -5.19	68.51 3.98 -23.50	79.77 4.16 -33.55	100.90 4.99 -52.86	67.37 4.32 -23.43	53.97 4.35 -12.41	48.00 4.11 -8.13	42.05 3.53 -5.23	38.64 3.12 -5.27
GARDENVILLE___LBMP 24039	30.93 -0.15 -0.79	27.07 -0.24 -1.00	24.93 -0.14 -1.19	22.65 -0.22 -1.34	20.70 0.11 -1.79	20.04 0.19 -2.65	20.46 0.11 -2.54	15.34 0.12 -3.63	24.38 0.44 -1.94	28.13 0.57 -1.86	31.08 0.06 0.56	35.19 0.45 0.01	36.55 -0.37 0.00	41.63 0.21 0.00	40.32 -0.24 0.00	41.56 -0.26 0.71	40.95 0.57 0.66	41.81 0.59 0.84	40.66 1.89 4.28	38.52 1.47 2.56	37.33 1.34 1.21	36.36 1.32 0.73	33.54 1.17 0.92	30.56 1.15 0.84
GARDNVLA_35_KV_LD 355827	31.03 -0.06 -0.79	27.12 -0.18 -1.01	24.98 -0.10 -1.19	22.70 -0.17 -1.34	20.75 0.15 -1.80	20.09 0.22 -2.67	20.52 0.16 -2.55	15.39 0.15 -3.64	24.46 0.51 -1.95	28.24 0.67 -1.87	31.21 0.19 0.56	35.33 0.59 0.01	36.74 -0.18 0.00	41.84 0.41 0.00	40.53 -0.04 0.00	41.73 -0.09 0.71	41.13 0.74 0.65	41.99 0.76 0.82	40.85 2.07 4.26	38.68 1.62 2.56	37.52 1.53 1.21	36.50 1.47 0.72	33.67 1.30 0.92	30.66 1.24 0.84
GELCKHM___115KV_LOAD 80723	30.08 -0.21 0.00	26.65 -0.21 -0.56	24.35 -0.19 -0.66	22.10 -0.17 -0.75	19.70 -0.09 -1.00	19.05 0.05 -1.80	19.57 0.04 -1.72	14.09 0.03 -2.46	23.45 0.13 -1.32	27.12 0.15 -1.26	30.95 0.03 0.66	34.81 0.07 0.02	36.78 -0.15 0.00	41.34 -0.08 0.00	40.49 -0.08 0.00	41.64 -0.04 0.84	40.02 0.41 1.43	40.62 0.46 1.90	38.37 0.86 5.53	37.05 0.48 3.04	36.22 0.45 1.44	35.30 0.39 0.86	32.50 0.30 1.09	29.48 0.24 1.02
GENERAL___MILLS 23808	30.99 -0.09 -0.79	27.10 -0.21 -1.01	24.93 -0.14 -1.19	22.66 -0.22 -1.34	20.71 0.11 -1.80	20.07 0.21 -2.66	20.48 0.12 -2.55	15.37 0.14 -3.64	24.41 0.46 -1.95	28.19 0.62 -1.86	31.15 0.13 0.56	35.26 0.52 0.01	36.66 -0.26 0.00	41.75 0.33 0.00	40.45 -0.12 0.00	41.65 -0.17 0.71	41.04 0.66 0.65	41.90 0.67 0.83	40.71 1.94 4.27	38.60 1.54 2.56	37.45 1.45 1.21	36.43 1.39 0.73	33.61 1.23 0.92	30.60 1.18 0.84
GE_PLASTICS___DRP 24183	40.09 1.18 -8.62	34.91 1.05 -7.56	33.94 0.96 -9.10	33.36 0.86 -10.97	34.00 0.77 -14.43	34.13 0.79 -16.15	33.47 0.80 -14.85	32.17 0.53 -20.04	30.09 1.06 -7.03	34.81 1.23 -7.86	34.69 1.45 -1.66	36.39 1.60 -0.04	36.80 1.14 1.27	42.42 0.99 0.00	40.32 1.30 1.54	45.03 1.40 -1.10	53.03 1.64 -10.35	56.80 1.72 -13.02	51.19 1.94 -6.21	41.30 1.58 -0.10	37.59 1.45 1.07	35.96 1.43 1.23	37.71 1.66 -2.75	34.65 1.51 -2.88
GILBOA___1 23756	36.10 1.21 -4.60	33.68 1.05 -6.32	32.43 1.05 -7.50	30.96 0.99 -8.44	30.99 0.88 -11.31	30.97 0.93 -12.84	31.05 0.94 -12.29	29.71 0.56 -17.55	32.47 1.08 -9.39	35.96 1.26 -8.99	33.59 1.48 -0.53	36.40 1.63 -0.01	38.44 1.51 0.00	42.96 1.53 0.00	42.19 1.62 0.00	45.02 1.83 -0.67	51.21 2.09 -8.08	55.35 2.14 -11.15	54.76 2.41 -9.30	44.03 1.98 -2.43	40.22 1.86 -1.15	38.28 1.82 -0.69	35.87 1.70 -0.88	32.83 1.54 -1.03
GILBOA___2 23757	36.10 1.21 -4.60	33.68 1.05 -6.32	32.43 1.05 -7.50	30.96 0.99 -8.44	30.99 0.88 -11.31	30.97 0.93 -12.84	31.05 0.94 -12.29	29.71 0.56 -17.55	32.47 1.08 -9.39	35.96 1.26 -8.99	33.59 1.48 -0.53	36.40 1.63 -0.01	38.44 1.51 0.00	42.96 1.53 0.00	42.19 1.62 0.00	45.02 1.83 -0.67	51.21 2.09 -8.08	55.35 2.14 -11.15	54.76 2.41 -9.30	44.03 1.98 -2.43	40.22 1.86 -1.15	38.28 1.82 -0.69	35.87 1.70 -0.88	32.83 1.54 -1.03
GILBOA___3 23758	36.10 1.21 -4.60	33.68 1.05 -6.32	32.43 1.05 -7.50	30.96 0.99 -8.44	30.99 0.88 -11.31	30.97 0.93 -12.84	31.05 0.94 -12.29	29.71 0.56 -17.55	32.47 1.08 -9.39	35.96 1.26 -8.99	33.59 1.48 -0.53	36.40 1.63 -0.01	38.44 1.51 0.00	42.96 1.53 0.00	42.19 1.62 0.00	45.02 1.83 -0.67	51.21 2.09 -8.08	55.35 2.14 -11.15	54.76 2.41 -9.30	44.03 1.98 -2.43	40.22 1.86 -1.15	38.28 1.82 -0.69	35.87 1.70 -0.88	32.83 1.54 -1.03
GILBOA___4 23759	36.10 1.21 -4.60	33.68 1.05 -6.32	32.43 1.05 -7.50	30.96 0.99 -8.44	30.99 0.88 -11.31	30.97 0.93 -12.84	31.05 0.94 -12.29	29.71 0.56 -17.55	32.47 1.08 -9.39	35.96 1.26 -8.99	33.59 1.48 -0.53	36.40 1.63 -0.01	38.44 1.51 0.00	42.96 1.53 0.00	42.19 1.62 0.00	45.02 1.83 -0.67	51.21 2.09 -8.08	55.35 2.14 -11.15	54.76 2.41 -9.30	44.03 1.98 -2.43	40.22 1.86 -1.15	38.28 1.82 -0.69	35.87 1.70 -0.88	32.83 1.54 -1.03
GILBOA___ 23599	36.07 1.18 -4.60	33.68 1.05 -6.32	32.43 1.05 -7.50	30.96 0.99 -8.44	30.99 0.88 -11.31	30.97 0.93 -12.84	31.05 0.94 -12.29	29.71 0.56 -17.55	32.47 1.08 -9.39	35.96 1.26 -8.99	33.59 1.48 -0.53	36.40 1.63 -0.01	38.44 1.51 0.00	42.91 1.49 0.00	42.23 1.66 0.00	45.02 1.83 -0.67	51.21 2.09 -8.08	55.35 2.14 -11.15	54.76 2.41 -9.30	44.03 1.98 -2.43	40.22 1.86 -1.15	38.24 1.79 -0.69	35.87 1.70 -0.88	32.83 1.54 -1.03
GINNA___ 23603	29.46 -1.36 -0.53	25.94 -1.08 -0.72	23.71 -1.03 -0.85	21.54 -0.95 -0.96	19.36 -0.71 -1.28	18.71 -0.60 -2.11	19.17 -0.66 -2.02	14.09 -0.39 -2.89	23.02 -0.53 -1.54	26.75 -0.44 -1.48	29.84 -1.11 0.63	33.66 -1.08 0.02	35.34 -1.59 0.00	39.60 -1.82 0.00	39.19 -1.38 0.00	39.97 -1.75 0.80	38.87 -0.99 1.18	39.45 -1.05 1.55	37.63 -0.26 5.16	35.96 -0.75 2.90	35.24 -0.60 1.37	34.33 -0.61 0.82	31.62 -0.63 1.05	28.77 -0.51 0.97
GLEN PARK___ 23778	30.56 0.27 0.00	26.71 0.08 -0.33	24.23 -0.05 -0.39	21.95 -0.02 -0.44	19.25 -0.13 -0.59	18.41 -0.05 -1.27	19.01 -0.02 -1.21	13.29 -0.03 -1.73	23.00 0.07 -0.93	26.70 0.10 -0.89	30.99 0.03 0.62	34.74 0.00 0.02	36.55 -0.37 0.00	41.26 -0.17 0.00	40.37 -0.20 0.00	41.74 0.00 0.78	39.66 0.16 1.54	40.46 0.46 2.06	39.06 1.34 5.32	37.88 1.11 2.84	36.94 1.08 1.35	35.78 0.82 0.81	32.97 0.70 1.02	29.69 0.39 0.96
GLENDALE_27_KV_LOAD 356172	38.02 2.70 -5.03	35.23 2.47 -6.45	33.73 2.20 -7.65	31.99 1.85 -8.61	31.99 1.65 -11.54	31.88 1.65 -13.03	32.06 1.76 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.74 3.47 -0.69	38.52 3.75 -0.02	40.73 3.80 0.00	45.32 3.89 0.00	44.79 4.22 0.00	47.89 4.51 -0.87	54.42 4.68 -8.71	58.85 4.79 -12.00	58.83 4.99 -10.79	46.87 4.12 -3.14	42.53 3.83 -1.49	40.48 3.83 -0.89	38.06 3.63 -1.14	34.84 3.30 -1.29

GLENWOOD_IC_1_G5 23712	41.95 2.64 -9.03	37.03 2.50 -8.23	36.00 2.25 -9.88	32.54 1.94 -9.07	32.59 1.73 -12.06	33.06 1.70 -14.16	32.43 1.80 -12.82	32.47 1.26 -19.61	38.29 2.20 -14.09	46.03 2.57 -17.75	38.01 3.32 -3.12	40.34 3.61 -1.97	46.36 3.69 -5.74	49.41 3.77 -4.21	50.52 4.06 -5.90	49.72 4.34 -2.86	54.39 4.64 -8.71	58.73 4.67 -12.01	58.66 4.82 -10.80	46.95 4.20 -3.14	42.56 3.87 -1.49	40.41 3.76 -0.89	37.97 3.53 -1.15	36.83 3.21 -3.36
GLENWOOD_IC_2_G1 23688	41.92 2.61 -9.03	36.85 2.32 -8.23	35.84 2.08 -9.88	32.39 1.79 -9.07	32.45 1.60 -12.06	32.94 1.58 -14.16	32.31 1.67 -12.82	32.37 1.17 -19.61	38.25 2.16 -14.09	45.98 2.52 -17.75	37.89 3.19 -3.12	40.23 3.51 -1.97	46.18 3.51 -5.74	49.37 3.73 -4.21	50.19 3.73 -5.90	49.55 4.17 -2.86	54.19 4.43 -8.72	58.56 4.50 -12.01	58.54 4.69 -10.80	46.81 4.04 -3.15	42.45 3.76 -1.49	40.34 3.68 -0.89	37.90 3.46 -1.15	36.65 3.12 -3.27
GLENWOOD_IC_3_G1 23689	41.92 2.61 -9.03	36.85 2.32 -8.23	35.84 2.08 -9.88	32.39 1.79 -9.07	32.45 1.60 -12.06	32.94 1.58 -14.16	32.31 1.67 -12.82	32.37 1.17 -19.61	38.25 2.16 -14.09	45.98 2.52 -17.75	37.89 3.19 -3.12	40.23 3.51 -1.97	46.18 3.51 -5.74	49.37 3.73 -4.21	50.19 3.73 -5.90	49.55 4.17 -2.86	54.19 4.43 -8.72	58.56 4.50 -12.01	58.54 4.69 -10.80	46.81 4.04 -3.15	42.45 3.76 -1.49	40.34 3.68 -0.89	37.90 3.46 -1.15	36.65 3.12 -3.27
GLENWOOD___4 23550	42.01 2.70 -9.03	37.03 2.50 -8.23	36.00 2.25 -9.88	32.54 1.94 -9.07	32.59 1.73 -12.06	33.06 1.70 -14.16	32.43 1.80 -12.82	32.47 1.26 -19.61	38.34 2.24 -14.09	46.11 2.65 -17.75	38.11 3.41 -3.12	40.44 3.72 -1.97	46.43 3.77 -5.74	49.53 3.89 -4.21	50.60 4.14 -5.90	49.85 4.46 -2.86	54.47 4.72 -8.71	58.85 4.79 -12.01	58.79 4.95 -10.80	47.07 4.32 -3.14	42.64 3.94 -1.49	40.52 3.86 -0.89	38.04 3.60 -1.15	36.89 3.27 -3.36
GLENWOOD___5 23614	42.01 2.70 -9.03	37.03 2.50 -8.23	36.00 2.25 -9.88	32.54 1.94 -9.07	32.59 1.73 -12.06	33.06 1.70 -14.16	32.43 1.80 -12.82	32.47 1.26 -19.61	38.34 2.24 -14.09	46.11 2.65 -17.75	38.11 3.41 -3.12	40.44 3.72 -1.97	46.43 3.77 -5.74	49.53 3.89 -4.21	50.60 4.14 -5.90	49.85 4.46 -2.86	54.47 4.72 -8.71	58.85 4.79 -12.01	58.79 4.95 -10.80	47.07 4.32 -3.14	42.64 3.94 -1.49	40.52 3.86 -0.89	38.04 3.60 -1.15	36.89 3.27 -3.36
GLOBAL GREEN_PORT_GT1 23814	44.74 5.42 -9.02	39.19 4.66 -8.23	37.94 4.18 -9.88	34.24 3.64 -9.07	34.09 3.23 -12.06	34.45 3.09 -14.16	33.96 3.33 -12.82	33.43 2.23 -19.61	40.58 4.49 -14.09	48.87 5.35 -17.81	46.33 6.54 -8.22	50.37 7.37 -8.25	62.65 7.49 -18.24	69.80 8.12 -20.26	87.39 8.03 -38.79	90.39 8.63 -39.24	151.07 8.83 -101.21	208.91 9.00 -157.86	158.58 9.38 -106.15	102.40 8.44 -54.35	82.73 7.74 -37.78	52.29 7.62 -8.91	51.90 7.09 -11.52	49.80 6.29 -13.24
GLOBE___DSASP 323697	30.13 -0.88 -0.72	26.62 -0.60 -0.93	24.50 -0.48 -1.10	22.27 -0.50 -1.24	20.32 -0.13 -1.65	19.72 0.02 -2.51	20.03 -0.18 -2.40	14.84 -0.19 -3.43	23.71 -0.13 -1.84	27.39 -0.08 -1.76	29.83 -1.17 0.58	33.87 -0.87 0.01	35.15 -1.77 0.00	40.18 -1.24 0.00	38.78 -1.78 0.00	39.83 -1.96 0.73	39.46 -0.78 0.80	40.14 -0.88 1.03	39.09 0.56 4.52	36.92 -0.04 2.66	35.91 -0.04 1.26	35.01 0.00 0.75	32.30 -0.03 0.96	29.74 0.36 0.88
GOETHSLN___LBMP 323567	37.57 2.24 -5.03	34.80 2.05 -6.45	33.37 1.84 -7.65	31.71 1.57 -8.61	31.73 1.39 -11.54	31.64 1.41 -13.03	31.78 1.50 -12.48	30.49 1.08 -17.81	33.51 1.98 -9.53	37.07 2.24 -9.12	35.26 3.00 -0.68	37.93 3.16 -0.02	40.10 3.18 0.00	44.61 3.19 0.00	44.10 3.53 0.00	47.21 3.83 -0.87	53.77 4.02 -8.71	58.18 4.12 -12.00	58.10 4.26 -10.79	46.32 3.57 -3.14	42.01 3.31 -1.49	39.87 3.22 -0.89	37.49 3.06 -1.13	34.38 2.84 -1.28
GOLAH___69_KV_TB 1_2 80279	30.85 0.00 -0.56	27.19 0.13 -0.75	24.87 0.10 -0.89	22.58 0.04 -1.01	20.41 0.26 -1.35	19.69 0.31 -2.18	20.15 0.25 -2.09	14.74 0.16 -2.98	24.17 0.57 -1.59	27.98 0.75 -1.53	30.95 0.00 0.62	34.95 0.21 0.02	36.55 -0.37 0.00	41.51 0.08 0.00	40.37 -0.20 0.00	41.48 -0.26 0.79	40.58 0.66 1.11	41.35 0.76 1.46	39.89 1.89 5.04	37.98 1.23 2.86	37.12 1.27 1.35	36.13 1.18 0.81	33.26 1.00 1.03	30.30 1.00 0.95
GOODYEAR_LAKE_HYD 323669	37.86 1.61 -5.97	28.74 1.32 -1.12	26.39 1.17 -1.33	24.11 1.08 -1.50	21.75 0.94 -2.01	20.98 0.98 -2.80	21.52 1.03 -2.68	16.09 0.66 -3.83	25.41 1.36 -2.05	29.32 1.65 -1.96	34.25 1.96 -0.71	36.99 2.22 -0.02	38.99 2.07 0.00	43.74 2.32 0.00	42.92 2.35 0.00	46.06 2.64 -0.90	47.84 2.95 -3.85	50.46 3.15 -5.25	54.24 3.62 -7.58	45.86 2.97 -3.28	41.55 2.79 -1.55	39.27 2.57 -0.93	36.80 2.33 -1.18	33.43 2.00 -1.17
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	32.44 0.48 -1.66	28.53 0.34 -1.89	26.43 0.31 -2.24	24.31 0.26 -2.52	22.49 0.32 -3.37	21.95 0.41 -4.34	22.37 0.41 -4.15	17.82 0.29 -5.93	25.81 0.64 -3.17	29.49 0.75 -3.04	32.05 0.79 0.31	35.68 0.94 0.01	37.59 0.66 0.00	42.25 0.83 0.00	41.38 0.81 0.00	43.06 0.94 0.40	43.37 1.31 -1.02	44.94 1.43 -1.46	43.65 2.02 1.42	39.81 1.62 1.43	38.06 1.53 0.68	36.79 1.43 0.41	34.08 1.30 0.52	30.95 1.12 0.43
GOUDEY___7 23579	32.47 0.51 -1.66	28.56 0.37 -1.89	26.46 0.33 -2.24	24.33 0.28 -2.52	22.51 0.34 -3.37	21.97 0.43 -4.34	22.39 0.43 -4.15	17.83 0.30 -5.93	25.84 0.66 -3.17	29.52 0.77 -3.04	32.09 0.82 0.31	35.75 1.01 0.01	37.62 0.70 0.00	42.29 0.87 0.00	41.46 0.89 0.00	43.10 0.98 0.40	43.41 1.35 -1.02	44.98 1.47 -1.46	43.69 2.07 1.42	39.85 1.66 1.43	38.09 1.56 0.68	36.86 1.50 0.41	34.11 1.33 0.52	30.98 1.15 0.43
GOUDEY___8 23580	32.44 0.48 -1.66	28.53 0.34 -1.89	26.43 0.31 -2.24	24.31 0.26 -2.52	22.49 0.32 -3.37	21.95 0.41 -4.34	22.37 0.41 -4.15	17.82 0.29 -5.93	25.81 0.64 -3.17	29.49 0.75 -3.04	32.05 0.79 0.31	35.68 0.94 0.01	37.59 0.66 0.00	42.25 0.83 0.00	41.38 0.81 0.00	43.06 0.94 0.40	43.37 1.31 -1.02	44.94 1.43 -1.46	43.65 2.02 1.42	39.81 1.62 1.43	38.06 1.53 0.68	36.79 1.43 0.41	34.08 1.30 0.52	30.95 1.12 0.43
GOWANUS_GT1_1 24077	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.08 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.74 3.47 -0.69	38.53 3.75 -0.02	40.78 3.80 -0.06	45.37 3.89 -0.06	50.23 4.18 -5.49	79.18 4.51 -32.16	79.20 4.68 -33.49	84.07 4.79 -37.22	78.05 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.54 3.83 -0.95	38.16 3.63 -1.24	34.87 3.33 -1.29
GOWANUS_GT1_2 24078	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.08 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.74 3.47 -0.69	38.53 3.75 -0.02	40.78 3.80 -0.06	45.37 3.89 -0.06	50.23 4.18 -5.49	79.18 4.51 -32.16	79.20 4.68 -33.49	84.07 4.79 -37.22	78.05 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.54 3.83 -0.95	38.16 3.63 -1.24	34.87 3.33 -1.29

GOWANUS_GT1_3 24079	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.08 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.74 3.47 -0.69	38.53 3.75 -0.02	40.78 3.80 -0.06	45.37 3.89 -0.06	50.23 4.18 -5.49	79.18 4.51 -32.16	79.20 4.68 -33.49	84.07 4.79 -37.22	78.05 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.54 3.83 -0.95	38.16 3.63 -1.24	34.87 3.33 -1.29
GOWANUS_GT1_4 24080	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.08 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.74 3.47 -0.69	38.53 3.75 -0.02	40.78 3.80 -0.06	45.37 3.89 -0.06	50.23 4.18 -5.49	79.18 4.51 -32.16	79.20 4.68 -33.49	84.07 4.79 -37.22	78.05 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.54 3.83 -0.95	38.16 3.63 -1.24	34.87 3.33 -1.29
GOWANUS_GT1_5 24084	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.08 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.74 3.47 -0.69	38.53 3.75 -0.02	40.78 3.80 -0.06	45.37 3.89 -0.06	50.23 4.18 -5.49	79.18 4.51 -32.16	79.20 4.68 -33.49	84.07 4.79 -37.22	78.05 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.54 3.83 -0.95	38.16 3.63 -1.24	34.87 3.33 -1.29
GOWANUS_GT1_6 24111	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.08 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.74 3.47 -0.69	38.53 3.75 -0.02	40.78 3.80 -0.06	45.37 3.89 -0.06	50.23 4.18 -5.49	79.18 4.51 -32.16	79.20 4.68 -33.49	84.07 4.79 -37.22	78.05 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.54 3.83 -0.95	38.16 3.63 -1.24	34.87 3.33 -1.29
GOWANUS_GT1_7 24112	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.08 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.74 3.47 -0.69	38.53 3.75 -0.02	40.78 3.80 -0.06	45.37 3.89 -0.06	50.23 4.18 -5.49	79.18 4.51 -32.16	79.20 4.68 -33.49	84.07 4.79 -37.22	78.05 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.54 3.83 -0.95	38.16 3.63 -1.24	34.87 3.33 -1.29
GOWANUS_GT1_8 24113	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.08 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.74 3.47 -0.69	38.53 3.75 -0.02	40.78 3.80 -0.06	45.37 3.89 -0.06	50.23 4.18 -5.49	79.18 4.51 -32.16	79.20 4.68 -33.49	84.07 4.79 -37.22	78.05 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.54 3.83 -0.95	38.16 3.63 -1.24	34.87 3.33 -1.29
GOWANUS_GT2_1 24114	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
GOWANUS_GT2_2 																								

GOWANUS_GT3_2 24123	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
GOWANUS_GT3_3 24124	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
GOWANUS_GT3_4 24125	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
GOWANUS_GT3_5 24126	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
GOWANUS_GT3_6 24127	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
GOWANUS_GT3_7 24128	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
GOWANUS_GT3_8 24129	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
GOWANUS_GT4_1 																								

GREENBSH_115KV_TB3 55895	40.64 1.09 -9.26	34.53 0.97 -7.26	33.55 0.86 -8.81	33.33 0.78 -11.02	33.85 0.70 -14.36	33.94 0.71 -16.04	32.98 0.73 -14.44	30.92 0.49 -18.84	27.46 0.97 -4.49	32.88 1.16 -6.01	34.83 1.36 -1.90	36.29 1.49 -0.05	36.25 1.26 1.93	42.54 1.12 0.00	39.65 1.42 2.34	44.99 1.57 -0.89	52.24 1.76 -9.44	55.04 1.85 -11.14	45.95 2.11 -0.79	38.67 1.74 2.68	35.84 1.60 2.97	34.63 1.54 2.67	38.01 1.56 -3.15	34.95 1.42 -3.27
GREENDGE_115KV_TB5 80291	31.79 0.55 -0.96	27.84 0.37 -1.17	25.59 0.31 -1.39	23.33 0.24 -1.57	21.21 0.32 -2.10	20.62 0.45 -2.98	21.11 0.45 -2.85	15.98 0.31 -4.07	24.95 0.77 -2.18	28.75 0.95 -2.08	31.92 0.85 0.51	35.43 0.70 0.01	37.22 0.30 0.00	42.04 0.62 0.00	41.05 0.49 0.00	42.47 0.60 0.64	41.90 1.19 0.32	43.06 1.39 0.39	41.62 2.28 3.71	39.02 1.74 2.33	37.74 1.64 1.10	36.60 1.50 0.66	34.05 1.60 0.84	30.92 1.42 0.76
GREENIDGE___3 23582	31.79 0.55 -0.96	27.84 0.37 -1.17	25.59 0.31 -1.39	23.33 0.24 -1.57	21.21 0.32 -2.10	20.62 0.45 -2.98	21.11 0.45 -2.85	15.98 0.31 -4.07	24.95 0.77 -2.18	28.75 0.95 -2.08	31.92 0.85 0.51	35.43 0.70 0.01	37.22 0.30 0.00	42.04 0.62 0.00	41.05 0.49 0.00	42.47 0.60 0.64	41.90 1.19 0.32	43.06 1.39 0.39	41.62 2.28 3.71	39.02 1.74 2.33	37.74 1.64 1.10	36.60 1.50 0.66	34.05 1.60 0.84	30.92 1.42 0.76
GREENIDGE___4 23583	31.79 0.55 -0.96	27.84 0.37 -1.17	25.58 0.31 -1.39	23.33 0.24 -1.57	21.21 0.32 -2.10	20.62 0.45 -2.98	21.11 0.45 -2.85	15.99 0.32 -4.07	24.95 0.77 -2.18	28.75 0.95 -2.08	31.92 0.85 0.51	35.43 0.69 0.01	37.25 0.33 0.00	41.67 0.25 0.00	41.30 0.73 0.00	42.43 0.55 0.64	41.86 1.15 0.32	43.02 1.35 0.39	41.57 2.24 3.71	39.02 1.74 2.33	37.70 1.60 1.10	36.57 1.47 0.66	33.92 1.46 0.84	30.83 1.33 0.76
GREENLWN_69_KV_BK 3 55738	42.41 3.09 -9.03	37.22 2.68 -8.23	36.17 2.41 -9.88	32.69 2.09 -9.07	32.72 1.86 -12.06	33.20 1.84 -14.16	32.56 1.92 -12.82	32.55 1.35 -19.61	38.64 2.55 -14.09	46.38 2.93 -17.74	37.07 3.50 -1.99	39.45 3.48 -1.22	43.56 3.66 -2.98	45.82 3.73 -0.67	43.21 4.02 1.37	41.68 4.34 5.18	33.95 4.64 11.72	26.42 4.58 20.22	37.55 4.78 10.27	35.68 4.24 8.17	34.51 3.83 6.54	39.24 3.61 0.13	36.48 4.00 0.81	35.83 3.75 -1.82
GREENWD_138_KV_38B11_REV_LBMP_J 345004	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.08 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.74 3.47 -0.69	38.53 3.75 -0.02	40.78 3.80 -0.06	45.37 3.89 -0.06	50.23 4.18 -5.49	79.18 4.51 -32.16	79.20 4.68 -33.49	84.07 4.79 -37.22	78.05 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.54 3.83 -0.95	38.16 3.63 -1.24	34.87 3.33 -1.29
GRISSOM___SOLAR 323813	49.90 4.24 -15.37	39.57 3.44 -9.82	38.51 2.99 -11.65	37.29 2.65 -13.11	38.45 2.09 -17.56	39.11 2.23 -19.68	38.99 2.28 -18.90	40.13 1.43 -27.11	39.89 3.01 -14.87	43.41 3.57 -14.13	38.85 4.42 -2.85	40.00 5.18 -0.07	42.03 4.98 -0.13	46.93 5.51 0.00	46.69 5.97 -0.16	52.83 6.59 -3.72	67.89 7.02 -19.84	76.91 7.57 -27.29	86.32 8.52 -34.75	61.10 7.61 -13.88	51.04 7.15 -6.68	46.37 6.55 -4.06	43.54 5.53 -4.72	39.89 4.81 -4.82
GROVEVILLE___HYD 323602	37.87 2.48 -5.09	34.97 2.18 -6.48	33.50 1.93 -7.69	31.84 1.66 -8.65	31.88 1.48 -11.59	31.77 1.48 -13.09	31.86 1.51 -12.53	30.51 1.02 -17.90	33.47 1.89 -9.57	37.11 2.24 -9.16	35.11 2.84 -0.69	37.90 3.13 -0.02	40.02 3.10 0.00	44.61 3.19 0.00	44.02 3.45 0.00	47.10 3.70 -0.88	53.84 4.02 -8.78	58.28 4.79 -12.10	58.37 4.95 -10.94	46.54 3.72 -3.20	42.18 3.46 -1.51	40.03 3.36 -0.91	37.51 3.06 -1.15	34.37 2.81 -1.30
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	30.32 0.03 0.00	26.92 0.00 -0.62	24.59 -0.02 -0.73	22.33 -0.02 -0.83	19.94 0.04 -1.11	19.28 0.17 -1.91	19.80 0.16 -1.83	14.34 0.13 -2.61	23.71 0.31 -1.40	27.43 0.39 -1.34	31.25 0.32 0.64	35.12 0.38 0.02	37.11 0.18 0.00	41.71 0.29 0.00	40.85 0.28 0.00	42.09 0.38 0.81	40.51 0.78 1.30	41.17 0.84 1.73	39.04 1.29 5.30	37.50 0.83 2.94	36.60 0.78 1.39	35.65 0.72 0.83	32.87 0.63 1.06	29.79 0.51 0.98
HAMLTNNY_34_KV_TB 80303	30.89 0.12 -0.48	27.01 0.05 -0.66	24.69 0.02 -0.78	22.43 0.02 -0.88	20.09 0.11 -1.18	19.41 0.22 -1.98	19.92 0.21 -1.90	14.46 0.15 -2.71	23.85 0.40 -1.45	27.59 0.49 -1.39	31.36 0.41 0.63	35.26 0.52 0.02	37.22 0.30 0.00	41.88 0.46 0.00	40.97 0.41 0.00	42.23 0.51 0.80	40.75 0.94 1.23	41.44 1.01 1.63	39.38 1.51 5.17	37.71 0.99 2.89	36.77 0.93 1.37	35.80 0.86 0.82	32.99 0.73 1.04	29.93 0.64 0.97
HAMPSHIRE___PAPER_HYD 323593	29.65 -0.64 0.00	25.81 -0.66 -0.17	23.44 -0.64 -0.20	21.17 -0.58 -0.23	18.44 -0.66 -0.30	17.44 -0.55 -0.80	18.04 -0.53 -0.76	12.33 -0.36 -1.09	21.95 -0.64 -0.58	25.55 -0.72 -0.56	30.15 -0.95 0.48	33.66 -1.08 0.01	36.08 -0.85 0.00	40.72 -0.70 0.00	39.76 -0.81 0.00	41.11 -0.81 0.60	38.49 -1.27 1.28	39.21 -1.13 1.71	37.89 -0.99 4.16	36.55 -0.87 2.19	35.39 -0.78 1.04	34.28 -0.86 0.62	31.71 -0.80 0.79	28.70 -0.82 0.74
HARDSCRABBLE_WT_PWR 323673	30.68 0.39 0.00	26.62 0.32 0.00	24.17 0.29 0.00	21.79 0.26 0.00	18.95 0.15 0.00	18.62 0.40 -1.02	19.20 0.41 -0.98	13.26 0.27 -1.40	23.39 0.64 -0.75	27.17 0.75 -0.72	31.46 0.82 0.94	35.67 0.94 0.02	37.66 0.74 0.00	42.21 0.79 0.00	41.46 0.89 0.00	42.27 0.93 1.19	39.53 1.27 2.78	39.63 1.31 3.73	36.30 1.64 8.38	36.45 1.15 4.31	36.17 1.01 2.04	35.54 1.00 1.22	32.71 0.97 1.55	29.66 0.88 1.47
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	37.14 2.21 -4.64	34.19 1.95 -5.94	32.68 1.74 -7.05	30.95 1.49 -7.94	30.71 1.28 -10.63	30.56 1.32 -12.04	30.71 1.37 -11.53	28.99 0.94 -16.46	32.54 1.74 -8.80	36.19 2.06 -8.43	34.83 2.65 -0.60	37.72 2.95 -0.01	39.80 2.88 0.00	44.28 2.86 0.00	43.69 3.12 0.00	46.68 3.40 -0.76	52.66 3.69 -7.93	56.81 3.83 -10.93	56.71 4.00 -9.66	45.73 3.37 -2.75	41.67 3.16 -1.30	39.62 3.08 -0.78	37.15 2.86 -0.99	33.99 2.60 -1.13
HARSNRAD_115KV_TB1 81005	30.51 -0.48 -0.70	26.87 -0.34 -0.91	24.70 -0.26 -1.08	22.44 -0.30 -1.22	20.44 0.02 -1.63	19.80 0.12 -2.48	20.20 0.02 -2.38	15.03 0.05 -3.39	24.12 0.31 -1.81	27.86 0.41 -1.74	30.58 -0.41 0.58	34.70 -0.03 0.01	36.04 -0.89 0.00	41.13 -0.29 0.00	39.76 -0.81 0.00	40.85 -0.94 0.74	40.38 0.16 0.82	41.16 0.17 1.07	40.07 1.59 4.56	37.89 0.95 2.67	36.84 0.89 1.27	35.90 0.89 0.76	33.10 0.77 0.96	30.25 0.88 0.88
HARZA MOOSE___RIVER 24016	30.78 0.48 0.00	26.83 0.32 -0.21	24.35 0.21 -0.25	22.03 0.22 -0.28	19.25 0.08 -0.38	18.59 0.24 -1.15	19.18 0.27 -1.10	13.34 0.17 -1.57	23.31 0.46 -0.84	27.08 0.57 -0.81	31.38 0.57 0.76	35.39 0.66 0.02	37.40 0.48 0.00	42.17 0.75 0.00	41.18 0.61 0.00	42.36 0.81 0.97	39.97 1.03 2.10	40.42 1.18 2.81	38.03 1.68 6.69	37.38 1.27 3.50	36.74 1.19 1.66	35.81 1.04 0.99	32.97 0.93 1.26	29.76 0.70 1.19

HDSNBRDG_115KV_BRDG_TB1 355580	30.11 -0.18 0.00	26.71 -0.16 -0.56	24.38 -0.17 -0.67	22.13 -0.15 -0.75	19.73 -0.08 -1.01	19.08 0.07 -1.81	19.60 0.05 -1.74	14.13 0.06 -2.48	23.50 0.18 -1.33	27.16 0.18 -1.27	30.94 0.03 0.67	34.84 0.10 0.02	36.78 -0.15 0.00	41.34 -0.08 0.00	40.49 -0.08 0.00	41.68 0.00 0.85	40.00 0.41 1.44	40.60 0.46 1.92	38.36 0.90 5.58	37.06 0.51 3.07	36.20 0.45 1.45	35.29 0.39 0.87	32.52 0.33 1.10	29.50 0.27 1.03
HELLGATE_13_KV_LD 55870	37.84 2.51 -5.03	35.07 2.31 -6.45	33.61 2.08 -7.65	31.91 1.77 -8.62	31.92 1.58 -11.54	31.81 1.58 -13.03	31.97 1.67 -12.48	30.60 1.18 -17.82	33.72 2.18 -9.54	37.33 2.49 -9.13	35.55 3.28 -0.69	38.28 3.51 -0.02	40.47 3.54 0.00	44.99 3.56 0.00	44.51 3.94 0.00	47.56 4.17 -0.87	54.10 4.35 -8.71	58.52 4.46 -12.00	58.49 4.65 -10.80	46.60 3.84 -3.14	42.27 3.57 -1.49	40.27 3.61 -0.89	37.86 3.43 -1.14	34.69 3.15 -1.29
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	37.84 2.51 -5.03	35.07 2.31 -6.45	33.61 2.08 -7.65	31.91 1.77 -8.62	31.92 1.58 -11.54	31.81 1.58 -13.03	31.97 1.67 -12.48	30.60 1.18 -17.82	33.72 2.18 -9.54	37.33 2.49 -9.13	35.55 3.28 -0.69	38.28 3.51 -0.02	40.47 3.54 0.00	44.99 3.56 0.00	44.51 3.94 0.00	47.56 4.17 -0.87	54.10 4.35 -8.71	58.52 4.46 -12.00	58.49 4.65 -10.80	46.60 3.84 -3.14	42.27 3.57 -1.49	40.27 3.61 -0.89	37.86 3.43 -1.14	34.69 3.15 -1.29
HEMPSTEAD____ 23647	42.14 2.82 -9.03	37.04 2.50 -8.23	36.03 2.27 -9.88	32.56 1.96 -9.07	32.61 1.75 -12.06	33.08 1.72 -14.16	32.45 1.82 -12.82	32.47 1.26 -19.61	38.42 2.33 -14.09	46.19 2.72 -17.75	38.11 3.41 -3.12	40.45 3.72 -1.97	46.39 3.73 -5.74	49.57 3.94 -4.21	50.40 3.93 -5.90	49.76 4.38 -2.86	54.44 4.68 -8.72	58.77 4.71 -12.01	58.71 4.86 -10.80	47.04 4.28 -3.15	42.68 3.98 -1.49	40.55 3.90 -0.89	38.17 3.73 -1.15	37.01 3.39 -3.36
HEWLETT__69_KV_BK3 55828	42.65 3.33 -9.03	37.43 2.89 -8.23	36.34 2.58 -9.88	32.84 2.24 -9.07	32.83 1.97 -12.06	33.30 1.94 -14.16	32.66 2.03 -12.82	32.62 1.41 -19.61	38.78 2.68 -14.09	46.45 2.98 -17.75	38.42 3.73 -3.12	40.83 4.10 -1.97	46.84 4.17 -5.74	49.94 4.31 -4.21	51.05 4.58 -5.90	50.31 4.93 -2.86	54.96 5.21 -8.71	59.32 5.26 -12.01	59.18 5.34 -10.80	47.51 4.75 -3.14	43.05 4.35 -1.49	40.94 4.29 -0.89	38.57 4.13 -1.15	37.25 3.72 -3.27
HICKLING___1 23621	32.24 0.70 -1.25	28.21 0.42 -1.49	26.06 0.41 -1.77	23.82 0.30 -1.99	21.93 0.47 -2.67	21.30 0.52 -3.59	21.74 0.50 -3.43	16.86 0.36 -4.90	25.46 0.84 -2.62	29.22 1.00 -2.51	32.22 1.07 0.43	36.03 1.29 0.01	37.77 0.85 0.00	42.62 1.20 0.00	41.66 1.10 0.00	43.21 1.23 0.54	42.97 1.68 -0.25	44.31 1.85 -0.40	43.09 2.80 2.75	39.95 2.30 1.96	38.44 2.16 0.93	37.25 2.04 0.56	34.42 1.83 0.71	31.27 1.63 0.62
HICKLING___2 23622	32.24 0.70 -1.25	28.21 0.42 -1.49	26.06 0.41 -1.77	23.82 0.30 -1.99	21.93 0.47 -2.67	21.30 0.52 -3.59	21.74 0.50 -3.43	16.86 0.36 -4.90	25.46 0.84 -2.62	29.22 1.00 -2.51	32.22 1.07 0.43	36.03 1.29 0.01	37.77 0.85 0.00	42.62 1.20 0.00	41.66 1.10 0.00	43.21 1.23 0.54	42.97 1.68 -0.25	44.31 1.85 -0.40	43.09 2.80 2.75	39.95 2.30 1.96	38.44 2.16 0.93	37.25 2.04 0.56	34.42 1.83 0.71	31.27 1.63 0.62
HIGH FALLS___HY 23754	38.05 2.45 -5.31	34.70 2.13 -6.27	33.23 1.89 -7.45	31.63 1.59 -8.51	31.47 1.32 -11.36	31.45 1.43 -12.83	31.46 1.46 -12.19	29.81 0.99 -17.23	32.42 1.76 -8.66	36.23 2.06 -8.46	34.97 2.62 -0.77	37.62 2.85 -0.02	39.61 2.88 0.19	44.32 2.90 0.00	43.54 3.20 0.23	46.88 3.53 -0.83	53.33 3.86 -8.44	57.53 4.04 -11.44	56.70 4.30 -9.35	45.68 3.64 -2.42	41.61 3.42 -0.98	39.59 3.33 -0.50	37.54 2.96 -1.28	34.40 2.72 -1.42
HILLBURN___GT 23639	37.19 2.18 -4.72	34.27 1.92 -6.05	32.78 1.72 -7.18	31.08 1.46 -8.08	30.86 1.24 -10.83	30.77 1.32 -12.25	30.93 1.39 -11.73	29.33 0.99 -16.75	32.76 1.80 -8.96	36.39 2.11 -8.58	34.91 2.72 -0.61	37.76 2.99 -0.02	39.88 2.95 0.00	44.49 3.07 0.00	43.61 3.04 0.00	46.74 3.44 -0.78	52.91 3.77 -8.10	57.08 3.87 -11.16	56.95 4.00 -9.90	45.81 3.37 -2.83	41.78 3.24 -1.34	39.71 3.15 -0.80	37.27 2.96 -1.02	34.05 2.63 -1.16
HILLSIDE_115KV_TB1 80332	31.71 0.12 -1.29	27.77 -0.08 -1.54	25.67 -0.05 -1.83	23.50 -0.09 -2.06	21.65 0.09 -2.76	21.09 0.21 -3.68	21.50 0.16 -3.53	16.78 0.15 -5.04	25.11 0.42 -2.69	28.78 0.49 -2.58	31.61 0.44 0.41	35.33 0.59 0.01	37.07 0.15 0.00	41.80 0.37 0.00	40.89 0.32 0.00	42.38 0.38 0.52	42.20 0.82 -0.35	43.51 0.93 -0.53	42.17 1.72 2.59	39.10 1.39 1.90	37.65 1.34 0.90	36.48 1.25 0.54	33.71 1.10 0.68	30.66 1.00 0.60
HISHELDN_WT_PWR 323625	31.03 -0.12 -0.86	27.22 -0.16 -1.07	25.06 -0.10 -1.27	22.81 -0.15 -1.43	20.85 0.13 -1.92	20.21 0.22 -2.79	20.63 0.14 -2.67	15.57 0.15 -3.82	24.51 0.46 -2.04	28.26 0.59 -1.96	31.20 0.16 0.54	35.19 0.45 0.01	36.67 -0.26 0.00	40.93 -0.50 0.00	40.93 0.36 0.00	41.58 -0.25 0.68	41.09 0.57 0.52	41.99 0.59 0.65	40.80 1.81 4.05	38.61 1.47 2.47	37.37 1.34 1.17	36.31 1.25 0.70	33.37 0.97 0.89	30.44 1.00 0.81
HOLTSVILLE_IC_1 23690	42.83 3.51 -9.02	37.58 3.05 -8.23	36.50 2.75 -9.88	32.97 2.37 -9.07	33.00 2.14 -12.06	33.42 2.06 -14.16	32.84 2.21 -12.82	32.71 1.51 -19.61	38.99 2.90 -14.09	46.84 3.32 -17.81	43.49 3.79 -8.13	47.02 4.10 -8.16	58.92 3.99 -18.01	65.58 4.18 -19.97	82.95 4.18 -38.20	85.75 4.64 -38.59	145.47 4.88 -99.55	202.26 4.96 -155.25	152.61 5.12 -104.45	97.64 4.59 -53.43	78.65 4.31 -37.13	49.04 4.47 -8.80	49.03 4.39 -11.35	47.31 3.99 -13.06
HOLTSVILLE_IC_10 23699	43.07 3.76 -9.02	37.77 3.23 -8.23	36.67 2.91 -9.88	33.12 2.52 -9.07	33.17 2.31 -12.06	33.54 2.18 -14.16	32.97 2.33 -12.82	32.79 1.59 -19.61	39.17 3.08 -14.09	47.10 3.57 -17.81	44.13 4.10 -8.45	47.72 4.41 -8.55	60.12 4.39 -18.81	67.05 4.64 -20.99	85.48 4.62 -40.29	88.52 5.10 -40.90	151.79 5.33 -105.43	211.99 5.43 -164.51	159.14 5.59 -110.50	101.33 5.03 -56.68	81.33 4.69 -39.44	49.86 4.79 -9.30	49.99 4.70 -12.00	48.27 4.29 -13.72
HOLTSVILLE_IC_2 23691	42.83 3.51 -9.02	37.58 3.05 -8.23	36.50 2.75 -9.88	32.97 2.37 -9.07	33.00 2.14 -12.06	33.42 2.06 -14.16	32.84 2.21 -12.82	32.71 1.51 -19.61	38.99 2.90 -14.09	46.84 3.32 -17.81	43.49 3.79 -8.13	47.02 4.10 -8.16	58.92 3.99 -18.01	65.58 4.18 -19.97	82.95 4.18 -38.20	85.75 4.64 -38.59	145.47 4.88 -99.55	202.26 4.96 -155.25	152.61 5.12 -104.45	97.64 4.59 -53.43	78.65 4.31 -37.13	49.04 4.47 -8.80	49.03 4.39 -11.35	47.31 3.99 -13.06
HOLTSVILLE_IC_3 23692	42.83 3.51 -9.02	37.58 3.05 -8.23	36.50 2.75 -9.88	32.97 2.37 -9.07	33.00 2.14 -12.06	33.42 2.06 -14.16	32.84 2.21 -12.82	32.71 1.51 -19.61	38.99 2.90 -14.09	46.84 3.32 -17.81	43.49 3.79 -8.13	47.02 4.10 -8.16	58.92 3.99 -18.01	65.58 4.18 -19.97	82.95 4.18 -38.20	85.75 4.64 -38.59	145.47 4.88 -99.55	202.26 4.96 -155.25	152.61 5.12 -104.45	97.64 4.59 -53.43	78.65 4.31 -37.13	49.04 4.47 -8.80	49.03 4.39 -11.35	47.31 3.99 -13.06

HOLTSVILLE_IC_4 23693	42.83 3.51 -9.02	37.58 3.05 -8.23	36.50 2.75 -9.88	32.97 2.37 -9.07	33.00 2.14 -12.06	33.42 2.06 -14.16	32.84 2.21 -12.82	32.71 1.51 -19.61	38.99 2.90 -14.09	46.84 3.32 -17.81	43.49 3.79 -8.13	47.02 4.10 -8.16	58.92 3.99 -18.01	65.58 4.18 -19.97	82.95 4.18 -38.20	85.75 4.64 -38.59	145.47 4.88 -99.55	202.26 4.96 -155.25	152.61 5.12 -104.45	97.64 4.59 -53.43	78.65 4.31 -37.13	49.04 4.47 -8.80	49.03 4.39 -11.35	47.31 3.99 -13.06
HOLTSVILLE_IC_5 23694	42.83 3.51 -9.02	37.58 3.05 -8.23	36.50 2.75 -9.88	32.97 2.37 -9.07	33.00 2.14 -12.06	33.42 2.06 -14.16	32.84 2.21 -12.82	32.71 1.51 -19.61	38.99 2.90 -14.09	46.84 3.32 -17.81	43.49 3.79 -8.13	47.02 4.10 -8.16	58.92 3.99 -18.01	65.58 4.18 -19.97	82.95 4.18 -38.20	85.75 4.64 -38.59	145.47 4.88 -99.55	202.26 4.96 -155.25	152.61 5.12 -104.45	97.64 4.59 -53.43	78.65 4.31 -37.13	49.04 4.47 -8.80	49.03 4.39 -11.35	47.31 3.99 -13.06
HOLTSVILLE_IC_6 23695	43.07 3.76 -9.02	37.77 3.23 -8.23	36.67 2.91 -9.88	33.12 2.52 -9.07	33.17 2.31 -12.06	33.54 2.18 -14.16	32.97 2.33 -12.82	32.79 1.59 -19.61	39.17 3.08 -14.09	47.10 3.57 -17.81	44.13 4.10 -8.45	47.72 4.41 -8.55	60.12 4.39 -18.81	67.05 4.64 -20.99	85.48 4.62 -40.29	88.52 5.10 -40.90	151.79 5.33 -105.43	211.99 5.43 -164.51	159.14 5.59 -110.50	101.33 5.03 -56.68	81.33 4.69 -39.44	49.86 4.79 -9.30	49.99 4.70 -12.00	48.27 4.29 -13.72
HOLTSVILLE_IC_7 23696	43.07 3.76 -9.02	37.77 3.23 -8.23	36.67 2.91 -9.88	33.12 2.52 -9.07	33.17 2.31 -12.06	33.54 2.18 -14.16	32.97 2.33 -12.82	32.79 1.59 -19.61	39.17 3.08 -14.09	47.10 3.57 -17.81	44.13 4.10 -8.45	47.72 4.41 -8.55	60.12 4.39 -18.81	67.05 4.64 -20.99	85.48 4.62 -40.29	88.52 5.10 -40.90	151.79 5.33 -105.43	211.99 5.43 -164.51	159.14 5.59 -110.50	101.33 5.03 -56.68	81.33 4.69 -39.44	49.86 4.79 -9.30	49.99 4.70 -12.00	48.27 4.29 -13.72
HOLTSVILLE_IC_8 23697	43.07 3.76 -9.02	37.77 3.23 -8.23	36.67 2.91 -9.88	33.12 2.52 -9.07	33.17 2.31 -12.06	33.54 2.18 -14.16	32.97 2.33 -12.82	32.79 1.59 -19.61	39.17 3.08 -14.09	47.10 3.57 -17.81	44.13 4.10 -8.45	47.72 4.41 -8.55	60.12 4.39 -18.81	67.05 4.64 -20.99	85.48 4.62 -40.29	88.52 5.10 -40.90	151.79 5.33 -105.43	211.99 5.43 -164.51	159.14 5.59 -110.50	101.33 5.03 -56.68	81.33 4.69 -39.44	49.86 4.79 -9.30	49.99 4.70 -12.00	48.27 4.29 -13.72
HOLTSVILLE_IC_9 23698	43.07 3.76 -9.02	37.77 3.23 -8.23	36.67 2.91 -9.88	33.12 2.52 -9.07	33.17 2.31 -12.06	33.54 2.18 -14.16	32.97 2.33 -12.82	32.79 1.59 -19.61	39.17 3.08 -14.09	47.10 3.57 -17.81	44.13 4.10 -8.45	47.72 4.41 -8.55	60.12 4.39 -18.81	67.05 4.64 -20.99	85.48 4.62 -40.29	88.52 5.10 -40.90	151.79 5.33 -105.43	211.99 5.43 -164.51	159.14 5.59 -110.50	101.33 5.03 -56.68	81.33 4.69 -39.44	49.86 4.79 -9.30	49.99 4.70 -12.00	48.27 4.29 -13.72
HOMER_HL_115KV_TB2 355744	30.93 -0.27 -0.91	26.52 -0.92 -1.13	24.51 -0.72 -1.35	22.29 -0.75 -1.51	20.47 -0.36 -2.03	19.86 -0.24 -2.91	20.29 -0.30 -2.78	15.47 -0.10 -3.97	24.08 -0.04 -2.13	27.72 -0.03 -2.04	31.24 0.19 0.52	35.23 0.49 0.01	36.66 -0.26 0.00	41.46 0.04 0.00	40.45 -0.12 0.00	41.73 -0.13 0.66	40.42 -0.21 0.41	41.43 -0.13 0.50	40.04 0.86 3.87	38.64 1.43 2.40	37.41 1.34 1.14	36.33 1.25 0.68	33.53 1.10 0.86	30.35 0.88 0.78
HOWARD_WT_PWR 323690	32.10 0.79 -1.02	28.08 0.53 -1.25	25.87 0.50 -1.48	23.58 0.39 -1.67	21.58 0.55 -2.23	20.96 0.64 -3.12	21.41 0.61 -2.99	16.32 0.45 -4.27	25.32 1.03 -2.28	29.11 1.21 -2.19	32.22 1.14 0.49	36.09 1.35 0.01	37.77 0.85 0.00	42.17 0.75 0.00	41.99 1.42 0.00	43.00 1.10 0.62	42.57 1.72 0.19	43.79 1.94 0.21	42.65 3.10 3.50	40.05 2.70 2.25	38.63 2.49 1.07	37.48 2.36 0.64	34.38 1.90 0.81	31.34 1.82 0.73
HQ_GEN_CEDARS 23644	29.44 -0.85 0.00	25.51 -0.79 0.00	23.17 -0.72 0.00	20.88 -0.65 0.00	18.03 -0.77 0.00	16.87 -0.69 -0.36	17.46 -0.69 -0.35	11.64 -0.45 -0.50	21.34 -0.92 -0.27	24.89 -1.08 -0.26	30.04 -1.26 0.28	33.25 -1.49 0.01	36.26 -0.66 0.00	40.88 -0.54 0.00	39.92 -0.65 0.00	41.40 -0.77 0.35	38.32 -1.93 0.79	39.06 -1.93 1.06	38.26 -2.32 2.46	36.47 -1.86 1.28	34.89 -1.71 0.60	33.76 -1.65 0.36	31.30 -1.53 0.46	28.43 -1.39 0.43
HQ_GEN_CEDARS_PROXY 323590	29.44 -0.85 0.00	25.51 -0.79 0.00	23.17 -0.72 0.00	20.88 -0.65 0.00	18.03 -0.77 0.00	16.87 -0.69 -0.36	17.46 -0.69 -0.35	11.64 -0.45 -0.50	21.35 -0.92 -0.27	24.89 -1.08 -0.26	30.03 -1.26 0.28	33.25 -1.49 0.01	36.26 -0.66 0.00	40.88 -0.54 0.00	39.88 -0.69 0.00	41.40 -0.76 0.35	38.28 -1.97 0.79	39.06 -1.93 1.06	38.26 -2.33 2.46	36.47 -1.86 1.28	34.89 -1.71 0.60	33.76 -1.64 0.36	31.34 -1.50 0.46	28.46 -1.36 0.43
HQ_GEN_IMPORT 323601	29.78 -0.52 0.00	25.83 -0.47 0.00	23.45 -0.43 0.00	21.16 -0.37 0.00	18.38 -0.41 0.00	16.83 -0.36 0.00	17.43 -0.37 0.00	11.34 -0.26 0.00	21.50 -0.51 0.00	25.12 -0.59 0.00	30.80 -0.63 0.14	34.02 -0.73 0.00	36.37 -0.55 0.00	40.93 -0.50 0.00	39.96 -0.61 0.00	41.62 -0.72 0.18	39.52 -1.02 0.49	40.34 -1.05 0.67	40.40 -1.33 1.31	37.93 -1.03 0.65	35.97 -0.93 0.31	34.69 -0.89 0.18	32.23 -0.83 0.23	29.28 -0.76 0.22
HQ_GEN_WHEEL 23651	29.78 -0.52 0.00	25.83 -0.47 0.00	23.45 -0.43 0.00	21.16 -0.37 0.00	18.38 -0.41 0.00	16.83 -0.36 0.00	17.43 -0.37 0.00	11.34 -0.26 0.00	21.50 -0.51 0.00	25.12 -0.59 0.00	30.80 -0.63 0.14	34.02 -0.73 0.00	36.37 -0.55 0.00	40.93 -0.50 0.00	39.96 -0.61 0.00	41.62 -0.72 0.18	39.52 -1.02 0.49	40.34 -1.05 0.67	40.40 -1.33 1.31	37.93 -1.03 0.65	35.97 -0.93 0.31	34.69 -0.89 0.18	32.23 -0.83 0.23	29.28 -0.76 0.22
HUDSON_AVE_GT_3 23810	37.81 2.48 -5.03	34.99 2.24 -6.45	33.54 2.01 -7.65	31.84 1.70 -8.61	31.86 1.52 -11.54	31.76 1.53 -13.03	31.91 1.62 -12.48	30.57 1.16 -17.81	33.64 2.11 -9.53	37.27 2.44 -9.12	35.45 3.19 -0.68	38.21 3.44 -0.02	40.43 3.51 0.00	44.98 3.56 0.00	44.42 3.85 0.00	47.55 4.17 -0.87	54.14 4.39 -8.71	58.56 4.50 -12.00	58.49 4.65 -10.79	46.67 3.92 -3.14	42.30 3.61 -1.49	40.19 3.54 -0.89	37.75 3.33 -1.13	34.59 3.06 -1.28
HUDSON_AVE_GT_4 23540	37.81 2.48 -5.03	34.99 2.24 -6.45	33.54 2.01 -7.65	31.84 1.70 -8.61	31.86 1.52 -11.54	31.76 1.53 -13.03	31.91 1.62 -12.48	30.57 1.16 -17.81	33.64 2.11 -9.53	37.27 2.44 -9.12	35.45 3.19 -0.68	38.21 3.44 -0.02	40.43 3.51 0.00	44.98 3.56 0.00	44.42 3.85 0.00	47.55 4.17 -0.87	54.14 4.39 -8.71	58.56 4.50 -12.00	58.49 4.65 -10.79	46.67 3.92 -3.14	42.30 3.61 -1.49	40.19 3.54 -0.89	37.75 3.33 -1.13	34.59 3.06 -1.28
HUDSON_AVE_GT_5 23657	37.81 2.48 -5.03	34.99 2.24 -6.45	33.54 2.01 -7.65	31.84 1.70 -8.61	31.86 1.52 -11.54	31.76 1.53 -13.03	31.91 1.62 -12.48	30.57 1.16 -17.81	33.64 2.11 -9.53	37.27 2.44 -9.12	35.45 3.19 -0.68	38.21 3.44 -0.02	40.43 3.51 0.00	44.98 3.56 0.00	44.42 3.85 0.00	47.55 4.17 -0.87	54.14 4.39 -8.71	58.56 4.50 -12.00	58.49 4.65 -10.79	46.67 3.92 -3.14	42.30 3.61 -1.49	40.19 3.54 -0.89	37.75 3.33 -1.13	34.59 3.06 -1.28

HUDSON_AVE_10 24168	37.78 2.45 -5.03	34.99 2.24 -6.45	33.52 1.98 -7.65	31.82 1.68 -8.61	31.84 1.50 -11.54	31.74 1.51 -13.03	31.91 1.62 -12.48	30.56 1.15 -17.81	33.64 2.11 -9.53	32.27 2.44 -9.12	35.42 3.16 -0.68	38.18 3.41 -0.02	40.39 3.47 0.00	44.94 3.52 0.00	44.38 3.81 0.00	47.55 4.17 -0.87	54.10 4.35 -8.71	58.51 4.46 -12.00	58.49 4.65 -10.79	46.63 3.88 -3.14	42.30 3.61 -1.49	40.16 3.50 -0.89	37.72 3.30 -1.13	34.59 3.06 -1.28
HUDSON___115KV_TB 4 355613	40.60 1.85 -8.46	35.14 1.55 -7.28	34.03 1.36 -8.79	33.43 1.21 -10.70	33.90 1.07 -14.03	33.95 1.05 -15.71	33.23 1.05 -14.37	31.56 0.73 -19.23	29.72 1.50 -6.22	34.76 1.85 -7.20	35.24 2.02 -1.65	37.09 2.29 -0.04	37.63 2.10 1.40	43.41 1.99 0.00	41.30 2.43 1.70	46.01 2.51 -0.98	53.50 2.71 -9.75	57.28 3.15 -12.07	51.03 3.57 -4.41	41.97 3.09 0.74	38.45 2.83 1.58	36.88 2.72 1.60	38.42 2.40 -2.73	35.29 2.18 -2.86
HUNTER MOUNT___DRP 323613	40.12 2.00 -7.82	35.14 1.66 -7.18	33.95 1.43 -8.63	33.12 1.25 -10.34	33.55 1.13 -13.63	33.55 1.08 -15.27	33.00 1.09 -14.11	31.52 0.79 -19.14	30.71 1.63 -7.08	35.49 2.03 -7.75	35.09 2.05 -1.46	37.19 2.40 -0.04	38.09 2.25 1.09	43.41 1.99 0.00	41.84 2.60 1.32	45.98 2.47 -0.99	53.44 2.71 -9.70	57.64 3.28 -12.30	53.00 3.79 -6.17	43.13 3.25 -0.27	39.39 3.01 0.83	37.62 2.86 1.00	38.11 2.40 -2.42	34.99 2.18 -2.55
HUNTINGTON_RES_REC 323705	42.77 3.45 -9.02	37.51 2.97 -8.23	36.41 2.65 -9.88	32.91 2.30 -9.07	32.94 2.09 -12.06	33.37 2.01 -14.16	32.75 2.12 -12.82	32.66 1.46 -19.61	38.91 2.82 -14.09	46.88 3.27 -17.91	51.13 3.82 -15.73	40.71 3.93 -2.04	77.61 4.06 -36.62	89.64 4.35 -43.87	132.04 4.30 -87.17	140.08 4.80 -92.75	283.35 5.09 -237.22	419.49 5.09 -372.34	294.68 5.25 -246.39	173.93 4.67 -129.65	132.65 4.28 -91.16	42.46 4.25 -2.44	56.29 4.39 -18.61	62.27 4.08 -27.93
HUNTLEY___63 23557	30.85 -0.18 -0.74	27.14 -0.11 -0.94	24.98 -0.02 -1.12	22.68 -0.11 -1.26	20.67 0.19 -1.69	20.03 0.29 -2.55	20.42 0.18 -2.44	15.19 0.12 -3.48	24.30 0.44 -1.86	28.08 0.59 -1.78	30.85 -0.16 0.57	34.98 0.24 0.01	36.33 -0.59 0.00	41.46 0.04 0.00	40.08 -0.49 0.00	41.24 -0.55 0.73	40.77 0.49 0.76	41.58 0.50 0.98	40.44 1.85 4.46	38.21 1.23 2.63	37.12 1.15 1.25	36.16 1.14 0.75	33.35 1.00 0.95	30.51 1.12 0.87
HUNTLEY___64 23558	30.85 -0.18 -0.74	27.14 -0.11 -0.94	24.98 -0.02 -1.12	22.68 -0.11 -1.26	20.67 0.19 -1.69	20.03 0.29 -2.55	20.42 0.18 -2.44	15.19 0.12 -3.48	24.30 0.44 -1.86	28.08 0.59 -1.78	30.85 -0.16 0.57	34.98 0.24 0.01	36.33 -0.59 0.00	41.46 0.04 0.00	40.08 -0.49 0.00	41.24 -0.55 0.73	40.77 0.49 0.76	41.58 0.50 0.98	40.44 1.85 4.46	38.21 1.23 2.63	37.12 1.15 1.25	36.16 1.14 0.75	33.35 1.00 0.95	30.51 1.12 0.87
HUNTLEY___65 23559	30.85 -0.18 -0.74	27.14 -0.11 -0.94	24.98 -0.02 -1.12	22.68 -0.11 -1.26	20.67 0.19 -1.69	20.03 0.29 -2.55	20.42 0.18 -2.44	15.19 0.12 -3.48	24.30 0.44 -1.86	28.08 0.59 -1.78	30.85 -0.16 0.57	34.98 0.24 0.01	36.33 -0.59 0.00	41.46 0.04 0.00	40.08 -0.49 0.00	41.24 -0.55 0.73	40.77 0.49 0.76	41.58 0.50 0.98	40.44 1.85 4.46	38.21 1.23 2.63	37.12 1.15 1.25	36.16 1.14 0.75	33.35 1.00 0.95	30.51 1.12 0.87
HUNTLEY___66 23560	30.85 -0.18 -0.74	27.14 -0.11 -0.94	24.98 -0.02 -1.12	22.68 -0.11 -1.26	20.67 0.19 -1.69	20.03 0.29 -2.55	20.42 0.18 -2.44	15.19 0.12 -3.48	24.30 0.44 -1.86	28.08 0.59 -1.78	30.85 -0.16 0.57	34.98 0.24 0.01	36.33 -0.59 0.00	41.46 0.04 0.00	40.08 -0.49 0.00	41.24 -0.55 0.73	40.77 0.49 0.76	41.58 0.50 0.98	40.44 1.85 4.46	38.21 1.23 2.63	37.12 1.15 1.25	36.16 1.14 0.75	33.35 1.00 0.95	30.51 1.12 0.87
HUNTLEY___67 23561	30.62 -0.42 -0.75	26.90 -0.37 -0.96	24.76 -0.26 -1.14	22.49 -0.32 -1.29	20.54 0.02 -1.72	19.90 0.12 -2.58	20.30 0.02 -2.47	15.17 0.05 -3.53	24.22 0.33 -1.89	27.95 0.44 -1.81	30.69 -0.32 0.57	34.77 0.03 0.01	36.15 -0.78 0.00	41.22 -0.21 0.00	39.88 -0.69 0.00	40.99 -0.81 0.72	40.56 0.25 0.73	41.33 0.21 0.94	40.24 1.59 4.40	37.99 0.99 2.61	36.90 0.93 1.24	35.95 0.93 0.74	33.19 0.83 0.94	30.27 0.88 0.86
HUNTLEY___68 23562	30.62 -0.42 -0.75	26.90 -0.37 -0.96	24.76 -0.26 -1.14	22.49 -0.32 -1.29	20.54 0.02 -1.72	19.90 0.12 -2.58	20.30 0.02 -2.47	15.17 0.05 -3.53	24.22 0.33 -1.89	27.95 0.44 -1.81	30.69 -0.32 0.57	34.77 0.03 0.01	36.15 -0.78 0.00	41.22 -0.21 0.00	39.88 -0.69 0.00	40.99 -0.81 0.72	40.56 0.25 0.73	41.33 0.21 0.94	40.24 1.59 4.40	37.99 0.99 2.61	36.90 0.93 1.24	35.95 0.93 0.74	33.19 0.83 0.94	30.27 0.88 0.86
HYLAND___LFGE 323620	32.60 1.48 -0.82	28.60 1.26 -1.04	26.21 1.10 -1.23	23.84 0.93 -1.38	21.70 1.05 -1.85	20.83 0.91 -2.72	21.27 0.85 -2.61	15.84 0.52 -3.72	24.98 0.99 -1.99	28.03 0.41 -1.90	30.33 -0.69 0.55	34.18 -0.56 0.01	35.78 -1.14 0.00	39.72 -1.70 0.00	39.64 -0.93 0.00	40.34 -1.49 0.69	40.37 -0.08 0.59	41.94 0.63 0.74	41.60 2.71 4.16	40.19 3.09 2.52	39.48 3.46 1.19	38.38 3.33 0.71	35.19 2.80 0.91	32.00 2.57 0.83
INDECK___CORINTH 23802	50.18 2.15 -17.74	37.38 1.79 -9.29	36.31 1.55 -10.88	34.41 1.36 -11.52	35.76 1.26 -15.70	36.04 1.17 -17.67	36.52 1.18 -17.53	38.59 0.77 -26.23	41.51 1.74 -17.77	43.66 2.08 -15.87	37.15 2.40 -3.18	37.58 2.74 -0.08	40.73 2.51 -1.29	44.08 2.65 0.00	45.06 2.92 -1.57	50.81 3.23 -5.06	67.31 3.24 -23.03	78.17 3.40 -32.71	97.95 4.26 -50.65	65.56 3.64 -22.30	52.73 3.83 -11.69	46.90 3.54 -7.60	41.56 3.00 -5.27	38.23 2.66 -5.31
INDECK___ILION 23567	30.56 0.27 0.00	26.54 0.24 0.00	24.10 0.21 0.00	21.72 0.19 0.00	18.95 0.15 0.00	18.56 0.34 -1.02	19.14 0.36 -0.98	13.23 0.23 -1.40	23.28 0.53 -0.75	27.07 0.64 -0.72	31.30 0.66 0.94	35.49 0.76 0.02	37.48 0.55 0.00	42.09 0.66 0.00	41.22 0.65 0.00	42.10 0.77 1.19	39.37 1.11 2.78	39.50 1.18 3.73	36.17 1.51 8.38	36.41 1.11 4.31	36.17 1.00 2.04	35.51 0.97 1.22	32.64 0.90 1.55	29.57 0.79 1.47
INDECK___OLEAN 23982	30.90 -0.30 -0.91	26.51 -0.92 -1.13	24.51 -0.72 -1.35	22.29 -0.75 -1.51	20.47 -0.36 -2.03	19.86 -0.24 -2.91	20.29 -0.30 -2.78	15.48 -0.09 -3.97	24.08 -0.04 -2.13	27.72 -0.03 -2.04	31.28 0.22 0.52	35.23 0.49 0.01	36.70 -0.22 0.00	40.88 -0.54 0.00	40.81 0.24 0.00	41.65 -0.21 0.66	40.38 -0.24 0.41	41.34 -0.21 0.50	39.91 0.73 3.87	38.60 1.39 2.40	37.37 1.30 1.14	36.26 1.18 0.68	32.83 0.40 0.86	29.87 0.39 0.78
INDECK___OSWEGO 23783	29.69 -0.61 0.00	26.25 -0.53 -0.47	23.94 -0.50 -0.56	21.73 -0.43 -0.63	19.33 -0.32 -0.85	18.63 -0.17 -1.60	19.15 -0.20 -1.53	13.67 -0.12 -2.19	23.00 -0.18 -1.17	26.63 -0.21 -1.12	30.56 -0.38 0.64	34.36 -0.38 0.02	36.26 -0.66 0.00	40.63 -0.79 0.00	40.00 -0.57 0.00	41.07 -0.64 0.82	39.37 -0.20 1.46	39.94 -0.17 1.95	37.83 0.22 5.43	36.58 -0.08 2.96	35.74 -0.07 1.40	34.78 -0.14 0.84	32.06 -0.17 1.06	29.11 -0.15 0.99

INDECK___YERKES 23781	30.82 -0.21 -0.74	27.17 -0.08 -0.94	25.00 0.00 -1.12	22.70 -0.09 -1.26	20.69 0.21 -1.69	20.05 0.31 -2.55	20.44 0.20 -2.44	15.22 0.14 -3.48	24.33 0.46 -1.86	28.11 0.62 -1.78	30.94 -0.06 0.57	35.01 0.28 0.01	36.41 -0.52 0.00	40.59 -0.83 0.00	40.77 0.20 0.00	41.20 -0.60 0.73	40.73 0.45 0.76	41.54 0.46 0.98	40.35 1.77 4.46	38.25 1.27 2.63	37.12 1.15 1.25	36.09 1.07 0.75	33.21 0.86 0.95	30.45 1.06 0.87
INDIAN POINT_GT_1 24139	37.44 2.18 -4.96	34.61 1.95 -6.36	33.17 1.74 -7.55	31.51 1.49 -8.50	31.53 1.35 -11.38	31.40 1.34 -12.86	31.53 1.41 -12.31	30.18 1.00 -17.58	33.23 1.83 -9.40	36.85 2.13 -9.00	34.99 2.75 -0.67	37.76 2.99 -0.02	39.91 2.99 0.00	44.40 2.98 0.00	43.85 3.29 0.00	46.94 3.57 -0.85	53.47 3.86 -8.58	57.83 3.95 -11.82	57.74 4.09 -10.60	46.17 3.49 -3.07	41.90 3.24 -1.45	39.78 3.15 -0.87	37.33 2.93 -1.11	34.17 2.66 -1.25
INDIAN POINT_GT_2 23659	37.44 2.18 -4.96	34.61 1.95 -6.36	33.17 1.74 -7.55	31.51 1.49 -8.50	31.53 1.35 -11.38	31.40 1.34 -12.86	31.53 1.41 -12.31	30.18 1.00 -17.58	33.23 1.83 -9.40	36.85 2.13 -9.00	34.99 2.75 -0.67	37.76 2.99 -0.02	39.91 2.99 0.00	44.40 2.98 0.00	43.85 3.29 0.00	46.94 3.57 -0.85	53.47 3.86 -8.58	57.83 3.95 -11.82	57.74 4.09 -10.60	46.17 3.49 -3.07	41.90 3.24 -1.45	39.78 3.15 -0.87	37.33 2.93 -1.11	34.17 2.66 -1.25
INDIAN POINT_GT_3 24019	37.44 2.18 -4.96	34.61 1.95 -6.36	33.17 1.74 -7.55	31.51 1.49 -8.50	31.53 1.35 -11.38	31.40 1.34 -12.86	31.53 1.41 -12.31	30.18 1.00 -17.58	33.23 1.83 -9.40	36.85 2.13 -9.00	34.99 2.75 -0.67	37.76 2.99 -0.02	39.91 2.99 0.00	44.40 2.98 0.00	43.85 3.29 0.00	46.94 3.57 -0.85	53.47 3.86 -8.58	57.83 3.95 -11.82	57.74 4.09 -10.60	46.17 3.49 -3.07	41.90 3.24 -1.45	39.78 3.15 -0.87	37.33 2.93 -1.11	34.17 2.66 -1.25
INDIAN POINT___2 23530	37.29 2.12 -4.88	34.45 1.89 -6.25	32.99 1.70 -7.41	31.34 1.46 -8.35	31.29 1.32 -11.18	31.14 1.31 -12.64	31.30 1.39 -12.10	29.86 0.99 -17.28	33.05 1.80 -9.24	36.64 2.08 -8.85	34.91 2.68 -0.65	37.72 2.95 -0.02	39.84 2.92 0.00	44.49 3.07 0.00	43.61 3.04 0.00	46.79 3.44 -0.82	53.17 3.73 -8.40	57.46 3.83 -11.58	57.40 4.00 -10.35	45.96 3.37 -2.98	41.78 3.16 -1.41	39.72 3.11 -0.85	37.30 2.93 -1.07	34.11 2.63 -1.22
INDIAN POINT___3 23531	37.38 2.12 -4.97	34.56 1.89 -6.37	33.13 1.70 -7.55	31.50 1.46 -8.50	31.50 1.32 -11.39	31.39 1.32 -12.87	31.52 1.39 -12.32	30.16 0.97 -17.59	33.22 1.80 -9.41	36.80 2.08 -9.01	34.93 2.68 -0.67	37.69 2.92 -0.02	39.84 2.92 0.00	44.28 3.16 0.00	43.73 3.16 0.00	46.81 3.44 -0.85	53.31 3.69 -8.58	57.67 3.78 -11.83	57.62 3.96 -10.61	46.06 3.37 -3.08	41.79 3.13 -1.46	39.71 3.08 -0.87	37.26 2.86 -1.11	34.14 2.63 -1.25
INGHAM_C_115KV_TB7 356103	30.72 0.42 0.00	26.64 0.34 0.00	24.17 0.29 0.00	21.81 0.28 0.00	18.97 0.17 0.00	18.61 0.40 -1.02	19.22 0.43 -0.98	13.27 0.28 -1.40	23.39 0.64 -0.75	27.17 0.75 -0.72	31.46 0.82 0.94	35.63 0.90 0.02	37.62 0.70 0.00	42.25 0.83 0.00	41.38 0.81 0.00	42.22 0.89 1.19	39.49 1.23 2.78	39.63 1.30 3.73	36.30 1.64 8.38	36.45 1.15 4.31	36.25 1.08 2.04	35.58 1.04 1.22	32.74 1.00 1.55	29.69 0.91 1.47
IP CORINTH___1 23988	50.36 2.33 -17.74	37.53 1.95 -9.29	36.46 1.70 -10.88	34.54 1.49 -11.52	35.85 1.35 -15.70	36.14 1.27 -17.67	36.63 1.28 -17.53	38.65 0.82 -26.23	41.65 1.87 -17.77	43.81 2.24 -15.87	37.31 2.56 -3.18	37.79 2.95 -0.08	40.95 2.73 -1.29	44.28 2.86 0.00	45.34 3.20 -1.57	51.11 3.53 -5.06	67.55 3.49 -23.03	78.42 3.66 -32.71	98.21 4.52 -50.65	65.80 3.88 -22.30	52.96 4.06 -11.69	47.15 3.79 -7.60	41.79 3.23 -5.27	38.41 2.84 -5.31
IP___TICONDEROGA 23804	52.66 4.60 -17.77	39.46 3.81 -9.34	38.16 3.34 -10.93	35.92 2.88 -11.51	37.06 2.56 -15.71	37.27 2.39 -17.69	37.82 2.40 -17.61	39.60 1.54 -26.46	43.78 3.50 -18.28	46.26 4.32 -16.23	40.08 5.34 -3.17	40.98 6.15 -0.08	44.33 5.98 -1.42	47.97 6.54 0.00	49.23 6.94 -1.73	55.15 7.48 -5.14	71.71 7.35 -23.32	82.99 7.70 -33.24	103.95 8.87 -52.04	70.36 7.72 -23.02	56.83 7.48 -12.15	50.67 6.97 -7.93	44.46 5.93 -5.24	40.78 5.23 -5.28
ISLIP_RES_REC 323679	43.28 3.97 -9.02	37.95 3.42 -8.23	36.84 3.08 -9.88	33.25 2.65 -9.07	33.28 2.43 -12.06	33.66 2.31 -14.16	33.07 2.44 -12.82	32.86 1.66 -19.61	39.33 3.24 -14.09	47.30 3.78 -17.81	43.94 4.39 -7.98	48.95 4.76 -9.44	59.29 4.73 -17.64	65.97 5.05 -19.49	82.82 5.03 -37.22	85.55 5.53 -37.50	143.58 5.74 -96.79	198.79 5.84 -150.89	150.67 6.03 -101.60	96.95 5.43 -51.90	78.28 5.02 -36.05	51.17 5.11 -10.29	50.10 4.99 -11.81	47.60 4.54 -12.81
JAMAICA___27_KV_LOAD 355505	38.17 2.85 -5.03	35.28 2.52 -6.45	33.78 2.25 -7.65	32.04 1.89 -8.61	32.03 1.69 -11.54	31.91 1.69 -13.03	32.12 1.83 -12.48	30.73 1.30 -17.83	33.95 2.40 -9.54	37.60 2.75 -9.14	35.76 3.50 -0.68	38.59 3.82 -0.02	40.84 3.91 0.00	45.44 4.02 0.00	44.91 4.34 0.00	48.12 4.72 -0.88	54.69 4.92 -8.73	59.12 5.05 -12.02	59.11 5.25 -10.81	47.19 4.44 -3.14	42.82 4.13 -1.49	40.59 3.93 -0.89	38.23 3.80 -1.15	34.99 3.45 -1.28
JANIS___SOLAR 323808	33.62 1.73 -1.60	29.23 1.37 -1.57	26.91 1.17 -1.86	24.65 1.03 -2.09	22.46 0.87 -2.80	21.86 0.95 -3.72	22.35 0.98 -3.56	17.31 0.63 -5.09	26.02 1.30 -2.72	29.78 1.46 -2.61	32.79 1.55 0.34	36.41 1.67 0.01	38.40 1.48 0.00	43.12 1.70 0.00	42.44 1.87 0.00	44.14 2.04 0.43	44.26 2.59 -0.64	45.92 2.94 -0.93	45.15 3.96 1.86	41.40 3.33 1.54	39.64 3.16 0.73	38.22 2.90 0.44	35.24 2.50 0.56	31.96 2.18 0.48
JARVIS____ 23743	30.41 0.12 0.00	26.41 0.11 0.00	23.98 0.10 0.00	21.62 0.09 0.00	18.87 0.08 0.00	18.48 0.26 -1.02	19.06 0.27 -0.98	13.17 0.17 -1.40	23.12 0.37 -0.75	26.89 0.46 -0.72	31.08 0.44 0.94	35.25 0.52 0.02	37.22 0.29 0.00	41.71 0.29 0.00	40.97 0.41 0.00	41.80 0.47 1.19	39.08 0.82 2.78	39.16 0.84 3.73	35.87 1.20 8.38	36.17 0.87 4.31	35.95 0.78 2.04	35.29 0.75 1.22	32.41 0.67 1.55	29.39 0.60 1.47
JENNISON___1 23625	34.69 2.03 -2.36	29.87 1.60 -1.97	27.60 1.39 -2.33	25.41 1.25 -2.63	23.33 1.02 -3.52	22.76 1.08 -4.48	23.24 1.14 -4.29	18.47 0.74 -6.13	26.87 1.58 -3.28	30.75 1.90 -3.14	33.62 2.18 0.14	37.18 2.43 0.00	39.10 2.18 0.00	44.11 2.69 0.00	43.12 2.56 0.00	45.28 2.93 0.18	46.09 3.36 -1.69	48.04 3.62 -2.37	47.71 4.43 -0.23	42.62 3.64 0.64	40.33 3.42 0.30	38.73 3.15 0.18	35.93 2.86 0.23	32.53 2.42 0.15
JENNISON___2 23626	34.69 2.03 -2.36	29.87 1.60 -1.97	27.60 1.39 -2.33	25.41 1.25 -2.63	23.33 1.02 -3.52	22.76 1.08 -4.48	23.24 1.14 -4.29	18.47 0.74 -6.13	26.87 1.58 -3.28	30.75 1.90 -3.14	33.62 2.18 0.14	37.18 2.43 0.00	39.10 2.18 0.00	44.11 2.69 0.00	43.12 2.56 0.00	45.28 2.93 0.18	46.09 3.36 -1.69	48.04 3.62 -2.37	47.71 4.43 -0.23	42.62 3.64 0.64	40.33 3.42 0.30	38.73 3.15 0.18	35.93 2.86 0.23	32.53 2.42 0.15

JERICO_RISE_WT_PWR 323719	29.84 -0.45 0.00	25.85 -0.45 0.00	23.48 -0.41 0.00	21.18 -0.35 0.00	18.37 -0.43 0.00	17.14 -0.38 -0.32	17.74 -0.37 -0.31	11.81 -0.23 -0.44	21.78 -0.46 -0.24	25.40 -0.54 -0.23	30.72 -0.60 0.26	34.01 -0.73 0.01	36.55 -0.37 0.00	41.18 -0.25 0.00	40.16 -0.41 0.00	41.68 -0.51 0.33	39.22 -1.07 0.75	40.00 -1.05 1.00	39.33 -1.42 2.30	37.39 -1.03 1.19	35.68 -0.97 0.56	34.42 -1.00 0.34	31.93 -0.93 0.43	29.01 -0.85 0.41
KATONAH__115KV_46KV_TB4 355592	37.84 2.42 -5.12	35.02 2.16 -6.56	33.57 1.91 -7.78	31.92 1.64 -8.76	32.03 1.50 -11.73	31.94 1.50 -13.24	32.04 1.55 -12.68	30.78 1.08 -18.11	33.69 2.00 -9.68	37.30 2.31 -9.27	35.34 3.06 -0.70	38.07 3.30 -0.02	40.36 3.43 0.00	45.07 3.65 0.00	44.42 3.85 0.00	47.54 4.12 -0.89	54.35 4.43 -8.88	58.83 4.54 -12.24	58.83 4.73 -11.05	46.84 4.00 -3.23	42.49 3.76 -1.53	40.25 3.58 -0.91	37.65 3.20 -1.16	34.47 2.90 -1.31
KCE_NY_1 323755	50.47 2.36 -17.81	37.72 2.00 -9.42	36.66 1.77 -11.00	34.59 1.57 -11.49	35.93 1.41 -15.72	36.26 1.36 -17.71	36.90 1.37 -17.72	39.27 0.89 -26.78	42.89 1.89 -18.99	44.72 2.26 -16.75	37.40 2.68 -3.14	37.85 3.02 -0.08	41.49 2.95 -1.61	44.53 3.11 0.00	45.85 3.33 -1.95	51.44 3.66 -5.26	68.55 3.77 -23.74	79.91 3.87 -33.99	101.49 4.43 -54.01	67.48 3.84 -24.02	53.68 3.68 -12.78	47.67 3.51 -8.40	41.56 3.06 -5.21	38.29 2.78 -5.25
KCE_NY_6_ESR 323823	30.96 -0.12 -0.79	27.10 -0.21 -1.01	24.96 -0.12 -1.19	22.68 -0.19 -1.34	20.73 0.13 -1.80	20.08 0.22 -2.66	20.50 0.14 -2.55	15.39 0.15 -3.64	24.43 0.48 -1.95	28.19 0.62 -1.86	31.21 0.19 0.56	35.29 0.55 0.01	36.70 -0.22 0.00	40.93 -0.50 0.00	41.02 0.45 0.00	41.56 -0.25 0.71	41.00 0.62 0.65	41.86 0.63 0.83	40.67 1.89 4.27	38.64 1.59 2.56	37.45 1.45 1.21	36.36 1.32 0.73	33.34 0.97 0.92	30.45 1.03 0.84
KEDC_PORT_JEFF_GT2 24210	42.98 3.66 -9.02	37.69 3.15 -8.23	36.62 2.86 -9.88	33.06 2.45 -9.07	33.09 2.24 -12.06	33.51 2.15 -14.16	32.91 2.28 -12.82	32.76 1.55 -19.61	39.11 3.01 -14.09	47.03 3.50 -17.82	44.62 3.95 -9.10	46.46 3.99 -7.72	61.27 3.95 -20.39	68.63 4.18 -23.03	89.17 4.14 -44.47	92.63 4.59 -45.52	163.08 4.88 -117.16	229.99 4.92 -183.02	170.73 5.08 -122.60	107.35 4.55 -63.18	85.49 4.24 -44.04	48.48 4.33 -8.39	50.24 4.49 -12.45	49.47 4.24 -14.97
KEDC_PORT_JEFF_GT3 24211	42.98 3.66 -9.02	37.69 3.15 -8.23	36.62 2.86 -9.88	33.06 2.45 -9.07	33.09 2.24 -12.06	33.51 2.15 -14.16	32.91 2.28 -12.82	32.76 1.55 -19.61	39.11 3.01 -14.09	47.03 3.50 -17.82	44.62 3.95 -9.10	46.46 3.99 -7.72	61.27 3.95 -20.39	68.63 4.18 -23.03	89.17 4.14 -44.47	92.63 4.59 -45.52	163.08 4.88 -117.16	229.99 4.92 -183.02	170.73 5.08 -122.60	107.35 4.55 -63.18	85.49 4.24 -44.04	48.48 4.33 -8.39	50.24 4.49 -12.45	49.47 4.24 -14.97
KEDC_GLWD_GT4 24219	41.95 2.63 -9.03	37.04 2.50 -8.23	36.00 2.24 -9.88	32.54 1.94 -9.07	32.59 1.73 -12.06	33.06 1.70 -14.16	32.43 1.80 -12.82	32.47 1.26 -19.61	38.29 2.20 -14.09	46.03 2.57 -17.75	38.01 3.31 -3.12	40.34 3.61 -1.97	46.32 3.66 -5.74	49.57 3.94 -4.21	50.36 3.89 -5.90	49.72 4.34 -2.86	54.35 4.60 -8.72	58.73 4.67 -12.01	58.66 4.82 -10.80	46.96 4.20 -3.15	42.56 3.87 -1.49	40.41 3.75 -0.89	38.01 3.56 -1.15	36.83 3.21 -3.36
KEDC_GLWD_GT5 24220	41.95 2.63 -9.03	37.04 2.50 -8.23	36.00 2.24 -9.88	32.54 1.94 -9.07	32.59 1.73 -12.06	33.06 1.70 -14.16	32.43 1.80 -12.82	32.47 1.26 -19.61	38.29 2.20 -14.09	46.03 2.57 -17.75	38.01 3.31 -3.12	40.34 3.61 -1.97	46.32 3.66 -5.74	49.57 3.94 -4.21	50.36 3.89 -5.90	49.72 4.34 -2.86	54.35 4.60 -8.72	58.73 4.67 -12.01	58.66 4.82 -10.80	46.96 4.20 -3.15	42.56 3.87 -1.49	40.41 3.75 -0.89	38.01 3.56 -1.15	36.83 3.21 -3.36
KENSICO____ 23655	37.58 2.27 -5.02	34.79 2.05 -6.43	33.33 1.82 -7.63	31.69 1.57 -8.59	31.71 1.41 -11.51	31.60 1.41 -13.00	31.73 1.48 -12.44	30.41 1.04 -17.77	33.42 1.91 -9.50	37.04 2.24 -9.10	35.16 2.91 -0.68	37.90 3.13 -0.02	40.10 3.18 0.00	44.57 3.15 0.00	44.02 3.45 0.00	47.12 3.74 -0.86	53.74 4.02 -8.68	58.14 4.12 -11.96	58.10 4.30 -10.75	46.38 3.64 -3.13	42.04 3.35 -1.48	39.94 3.29 -0.89	37.48 3.06 -1.12	34.31 2.78 -1.27
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	37.69 2.54 -4.85	34.39 2.21 -5.88	32.82 1.96 -6.98	31.12 1.66 -7.93	30.77 1.37 -10.60	30.71 1.48 -12.03	30.83 1.50 -11.52	29.06 1.01 -16.45	32.61 1.80 -8.80	36.27 2.13 -8.42	34.96 2.72 -0.66	37.72 2.95 -0.02	39.88 2.95 0.00	44.40 2.98 0.00	43.85 3.29 0.00	46.98 3.61 -0.84	53.14 3.94 -8.16	57.46 4.16 -11.24	57.76 4.43 -10.29	46.43 3.76 -3.06	42.19 3.53 -1.45	40.06 3.43 -0.87	37.46 3.06 -1.10	34.31 2.81 -1.23
KIAC_JFK_GT1 23816	38.02 2.70 -5.03	35.17 2.42 -6.45	33.68 2.15 -7.65	31.95 1.81 -8.61	31.97 1.64 -11.54	31.86 1.63 -13.03	32.05 1.76 -12.48	30.68 1.25 -17.83	33.86 2.31 -9.54	37.52 2.67 -9.14	35.64 3.38 -0.68	38.45 3.68 -0.02	40.69 3.77 0.00	45.27 3.85 0.00	44.75 4.18 0.00	47.91 4.51 -0.88	54.48 4.72 -8.73	58.91 4.84 -12.02	58.89 5.04 -10.81	46.99 4.24 -3.14	42.64 3.94 -1.49	40.41 3.76 -0.89	38.07 3.63 -1.15	34.86 3.33 -1.28
KIAC_JFK_GT2 23817	38.02 2.70 -5.03	35.17 2.42 -6.45	33.68 2.15 -7.65	31.95 1.81 -8.61	31.97 1.64 -11.54	31.86 1.63 -13.03	32.05 1.76 -12.48	30.68 1.25 -17.83	33.86 2.31 -9.54	37.52 2.67 -9.14	35.64 3.38 -0.68	38.45 3.68 -0.02	40.69 3.77 0.00	45.27 3.85 0.00	44.75 4.18 0.00	47.91 4.51 -0.88	54.48 4.72 -8.73	58.91 4.84 -12.02	58.89 5.04 -10.81	46.99 4.24 -3.14	42.64 3.94 -1.49	40.41 3.76 -0.89	38.07 3.63 -1.15	34.86 3.33 -1.28
KIAC_JFK____ 323774	38.05 2.73 -5.03	35.17 2.42 -6.45	33.68 2.15 -7.65	31.95 1.81 -8.61	31.97 1.63 -11.54	31.86 1.63 -13.03	32.05 1.76 -12.48	30.68 1.25 -17.83	33.86 2.31 -9.54	37.52 2.67 -9.14	35.60 3.35 -0.68	38.45 3.68 -0.02	40.65 3.73 0.00	45.44 4.02 0.00	44.55 3.98 0.00	47.91 4.51 -0.88	54.48 4.72 -8.73	58.91 4.83 -12.02	58.89 5.03 -10.81	46.99 4.24 -3.14	42.64 3.94 -1.49	40.44 3.79 -0.89	38.17 3.73 -1.15	34.86 3.33 -1.28
KINTIGH____ 23543	30.38 -0.55 -0.63	26.90 -0.24 -0.83	24.68 -0.19 -0.99	22.40 -0.24 -1.11	20.34 0.06 -1.49	19.67 0.14 -2.33	20.09 0.05 -2.23	14.85 0.07 -3.19	24.06 0.35 -1.70	27.83 0.49 -1.63	30.53 -0.44 0.60	34.60 -0.14 0.01	36.07 -0.85 0.00	41.09 -0.33 0.00	39.76 -0.81 0.00	40.86 -0.89 0.76	40.40 0.33 0.97	41.04 0.25 1.27	39.78 1.55 4.81	37.52 0.67 2.77	36.57 0.67 1.31	35.66 0.68 0.78	32.86 0.57 1.00	30.03 0.70 0.92
KNTFSRNC_46_KV_46KV_LOAD 80397	30.29 0.00 0.00	26.20 -0.11 0.00	23.79 -0.10 0.00	21.44 -0.09 0.00	18.61 -0.19 0.00	17.33 -0.17 -0.31	17.94 -0.16 -0.29	11.94 -0.08 -0.42	22.07 -0.15 -0.22	25.75 -0.18 -0.22	31.07 -0.25 0.25	34.36 -0.38 0.01	36.96 0.04 0.00	41.67 0.25 0.00	40.73 0.16 0.00	42.29 0.09 0.32	39.77 -0.53 0.73	40.61 -0.46 0.98	39.99 -0.82 2.24	37.94 -0.51 1.16	36.25 -0.41 0.55	34.97 -0.46 0.33	32.38 -0.50 0.42	29.41 -0.45 0.39

LACHUTE___HYDRO 323717	52.66 4.60 -17.77	39.46 3.81 -9.34	38.16 3.34 -10.93	35.92 2.89 -11.51	37.06 2.56 -15.71	37.27 2.39 -17.69	37.82 2.40 -17.61	39.60 1.54 -26.46	43.78 3.50 -18.28	46.26 4.32 -16.23	40.11 5.37 -3.17	40.98 6.15 -0.08	44.33 5.98 -1.42	47.96 6.54 0.00	49.23 6.94 -1.73	55.15 7.49 -5.14	71.70 7.34 -23.32	82.95 7.66 -33.24	103.91 8.82 -52.04	70.36 7.73 -23.02	56.83 7.48 -12.15	50.56 6.87 -7.93	44.40 5.86 -5.24	40.75 5.21 -5.28
LAWRNCAV_115KV_TB1 80681	29.26 -1.03 0.00	25.33 -0.97 0.00	22.98 -0.91 0.00	20.73 -0.80 0.00	17.86 -0.94 0.00	16.85 -0.83 -0.48	17.45 -0.82 -0.46	11.72 -0.53 -0.66	21.30 -1.06 -0.35	24.84 -1.21 -0.34	29.79 -1.45 0.33	33.04 -1.70 0.01	35.96 -0.96 0.00	40.55 -0.87 0.00	39.59 -0.97 0.00	41.04 -1.06 0.42	37.94 -2.17 0.92	38.67 -2.14 1.24	37.67 -2.45 2.92	36.07 -2.02 1.52	34.66 -1.82 0.72	33.51 -1.82 0.43	31.05 -1.70 0.55	28.17 -1.57 0.52
LEDERLE___ 23769	37.38 2.30 -4.78	34.49 2.05 -6.13	32.97 1.82 -7.27	31.27 1.55 -8.19	31.16 1.39 -10.97	31.00 1.39 -12.41	31.15 1.46 -11.88	29.59 1.03 -16.96	32.97 1.89 -9.07	36.61 2.21 -8.69	35.08 2.87 -0.63	37.90 3.13 -0.02	40.02 3.10 0.00	44.49 3.07 0.00	43.94 3.37 0.00	46.98 3.66 -0.80	53.20 3.94 -8.22	57.42 4.04 -11.33	57.34 4.22 -10.08	46.07 3.57 -2.89	41.93 3.35 -1.37	39.87 3.29 -0.82	37.40 3.06 -1.04	34.23 2.78 -1.18
LIGHTHSE_115KV_TB6 355974	29.96 -0.33 0.00	26.40 -0.34 -0.44	24.05 -0.36 -0.52	21.81 -0.30 -0.59	19.34 -0.24 -0.79	18.61 -0.12 -1.53	19.15 -0.12 -1.47	13.62 -0.07 -2.09	23.06 -0.07 -1.12	26.70 -0.08 -1.07	30.68 -0.25 0.64	34.49 -0.24 0.02	36.37 -0.55 0.00	40.88 -0.54 0.00	39.96 -0.61 0.00	41.19 -0.51 0.82	39.41 -0.12 1.51	40.04 0.00 2.01	38.12 0.56 5.48	37.00 0.36 2.97	36.14 0.33 1.40	35.14 0.21 0.84	32.39 0.17 1.07	29.29 0.03 1.00
LINDEN COGEN___ 23786	37.60 2.27 -5.03	34.81 2.05 -6.45	33.37 1.84 -7.65	31.69 1.55 -8.61	31.73 1.39 -11.54	31.64 1.41 -13.03	31.78 1.50 -12.48	30.48 1.07 -17.81	33.49 1.96 -9.53	37.04 2.21 -9.11	35.23 2.97 -0.68	37.90 3.13 -0.02	40.10 3.18 0.00	44.78 3.35 0.00	43.90 3.33 0.00	47.17 3.78 -0.87	53.77 4.02 -8.71	58.13 4.08 -12.00	58.10 4.26 -10.79	46.32 3.57 -3.14	41.97 3.28 -1.49	39.87 3.22 -0.89	37.62 3.20 -1.13	34.44 2.91 -1.28
LINDHRST_69_KV_BK1 356055	42.95 3.64 -9.03	37.66 3.13 -8.23	36.58 2.82 -9.88	33.06 2.45 -9.07	33.04 2.18 -12.06	33.49 2.13 -14.16	32.86 2.23 -12.82	32.73 1.53 -19.61	39.02 2.93 -14.09	46.86 3.39 -17.76	39.24 4.10 -3.56	44.80 4.45 -5.60	48.17 4.43 -6.82	51.53 4.52 -5.60	54.13 4.83 -8.73	53.70 5.19 -6.00	63.14 5.42 -16.69	72.14 5.51 -24.58	67.75 5.68 -19.02	52.28 5.11 -7.55	46.55 4.73 -4.62	45.75 4.76 -5.23	41.56 4.59 -3.67	38.75 4.18 -4.31
LIPA_MISC_IPP 23656	42.98 3.67 -9.03	37.72 3.18 -8.23	36.65 2.89 -9.88	33.12 2.52 -9.07	33.09 2.24 -12.06	33.53 2.17 -14.16	32.98 2.35 -12.82	32.78 1.58 -19.61	39.15 3.06 -14.09	47.04 3.52 -17.81	43.84 4.07 -8.19	47.40 4.41 -8.23	59.45 4.36 -18.17	65.98 4.39 -20.17	83.84 4.67 -38.61	86.54 4.97 -39.04	146.94 5.21 -100.69	204.41 5.30 -157.06	154.19 5.51 -105.63	98.66 4.99 -54.06	79.48 4.69 -37.58	49.41 4.76 -8.89	49.39 4.63 -11.47	47.68 4.24 -13.19
LISF___SOLAR 323691	43.07 3.76 -9.02	37.80 3.26 -8.23	36.70 2.94 -9.88	33.16 2.56 -9.07	33.13 2.27 -12.06	33.56 2.20 -14.16	33.02 2.39 -12.82	32.80 1.60 -19.61	39.21 3.12 -14.09	47.12 3.60 -17.81	43.96 4.14 -8.25	47.57 4.52 -8.30	59.67 4.43 -18.32	66.46 4.68 -20.36	84.23 4.66 -39.00	87.05 5.06 -39.47	148.16 5.33 -101.79	206.30 5.46 -158.78	155.44 5.64 -106.76	99.40 5.11 -54.67	80.05 4.83 -38.01	49.71 4.97 -8.98	49.68 4.80 -11.59	47.89 4.33 -13.31
LITTLE FALLS___HYD 24013	30.72 0.42 0.00	26.64 0.34 0.00	24.17 0.29 0.00	21.81 0.28 0.00	18.97 0.17 0.00	18.61 0.40 -1.02	19.22 0.43 -0.98	13.27 0.28 -1.40	23.39 0.64 -0.75	27.17 0.75 -0.72	31.46 0.82 0.94	35.63 0.90 0.02	37.62 0.70 0.00	42.25 0.83 0.00	41.38 0.81 0.00	42.22 0.89 1.19	39.49 1.23 2.78	39.63 1.30 3.73	36.30 1.64 8.38	36.45 1.15 4.31	36.25 1.08 2.04	35.58 1.04 1.22	32.74 1.00 1.55	29.69 0.91 1.47
LITTLRIV_115KV_TB1 356100	29.63 -0.67 0.00	25.62 -0.68 0.00	23.24 -0.64 0.00	20.95 -0.58 0.00	18.01 -0.79 0.00	17.01 -0.69 -0.50	17.61 -0.68 -0.48	11.84 -0.44 -0.68	21.53 -0.84 -0.37	25.11 -0.95 -0.35	30.10 -1.14 0.34	33.39 -1.36 0.01	36.30 -0.63 0.00	40.97 -0.46 0.00	39.96 -0.61 0.00	41.41 -0.68 0.43	38.33 -1.76 0.94	39.11 -1.68 1.27	38.07 -1.98 2.99	36.47 -1.58 1.56	35.05 -1.41 0.74	33.89 -1.43 0.44	31.37 -1.37 0.56	28.43 -1.30 0.53
LI_NEWBRDGE___DRP 323616	42.13 2.82 -9.03	37.01 2.47 -8.23	35.98 2.22 -9.88	32.52 1.92 -9.07	32.57 1.71 -12.06	33.06 1.70 -14.16	32.41 1.78 -12.82	32.44 1.24 -19.61	38.42 2.33 -14.09	46.14 2.67 -17.75	37.98 3.28 -3.12	40.24 3.51 -1.97	46.17 3.51 -5.74	49.20 3.56 -4.21	50.32 3.85 -5.90	49.55 4.17 -2.86	54.18 4.43 -8.71	58.52 4.46 -12.01	58.45 4.61 -10.80	46.83 4.08 -3.14	42.45 3.76 -1.49	40.37 3.72 -0.89	38.07 3.63 -1.15	36.81 3.33 -3.23
LOCKPORT_115KV_TB60_63_64 80432	30.51 -0.48 -0.70	26.86 -0.34 -0.90	24.69 -0.26 -1.07	22.43 -0.30 -1.21	20.43 0.02 -1.62	19.77 0.10 -2.47	20.19 0.02 -2.36	15.02 0.05 -3.37	24.09 0.29 -1.80	27.85 0.41 -1.73	30.58 -0.41 0.58	34.70 -0.03 0.01	36.04 -0.89 0.00	41.13 -0.29 0.00	39.72 -0.85 0.00	40.85 -0.94 0.74	40.36 0.16 0.84	41.10 0.13 1.09	40.01 1.55 4.58	37.88 0.95 2.68	36.83 0.89 1.27	35.90 0.89 0.76	33.09 0.77 0.96	30.25 0.88 0.89
LOCKPORT___CC1 323769	30.48 -0.52 -0.70	26.87 -0.34 -0.91	24.70 -0.26 -1.08	22.44 -0.30 -1.22	20.44 0.02 -1.63	19.80 0.12 -2.48	20.20 0.02 -2.38	15.05 0.06 -3.39	24.12 0.31 -1.81	27.86 0.41 -1.74	30.65 -0.35 0.58	34.70 -0.03 0.01	36.08 -0.85 0.00	40.22 -1.20 0.00	40.37 -0.20 0.00	40.76 -1.02 0.74	40.34 0.12 0.82	41.03 0.04 1.07	39.95 1.46 4.56	37.81 0.87 2.67	36.83 0.89 1.27	35.83 0.82 0.76	33.00 0.67 0.96	30.16 0.79 0.88
LOCKPORT___CC2 323770	30.48 -0.52 -0.70	26.87 -0.34 -0.91	24.70 -0.26 -1.08	22.44 -0.30 -1.22	20.44 0.02 -1.63	19.80 0.12 -2.48	20.20 0.02 -2.38	15.05 0.06 -3.39	24.12 0.31 -1.81	27.86 0.41 -1.74	30.65 -0.35 0.58	34.70 -0.03 0.01	36.08 -0.85 0.00	40.22 -1.20 0.00	40.37 -0.20 0.00	40.76 -1.02 0.74	40.34 0.12 0.82	41.03 0.04 1.07	39.95 1.46 4.56	37.81 0.87 2.67	36.83 0.89 1.27	35.83 0.82 0.76	33.00 0.67 0.96	30.16 0.79 0.88
LOCKPORT___CC3 323771	30.48 -0.52 -0.70	26.87 -0.34 -0.91	24.70 -0.26 -1.08	22.44 -0.30 -1.22	20.44 0.02 -1.63	19.80 0.12 -2.48	20.20 0.02 -2.38	15.05 0.06 -3.39	24.12 0.31 -1.81	27.86 0.41 -1.74	30.65 -0.35 0.58	34.70 -0.03 0.01	36.08 -0.85 0.00	40.22 -1.20 0.00	40.37 -0.20 0.00	40.76 -1.02 0.74	40.34 0.12 0.82	41.03 0.04 1.07	39.95 1.46 4.56	37.81 0.87 2.67	36.83 0.89 1.27	35.83 0.82 0.76	33.00 0.67 0.96	30.16 0.79 0.88

LONG_LAKE_PHOENIX 24014	29.87 -0.42 0.00	26.42 -0.37 -0.49	24.11 -0.36 -0.58	21.86 -0.32 -0.65	19.45 -0.23 -0.88	18.77 -0.07 -1.65	19.30 -0.09 -1.58	13.80 -0.05 -2.25	23.18 -0.02 -1.20	26.84 -0.03 -1.15	30.73 -0.19 0.65	34.56 -0.17 0.02	36.52 -0.41 0.00	40.97 -0.46 0.00	40.12 -0.45 0.00	41.27 -0.43 0.83	39.55 0.00 1.48	40.12 0.04 1.97	37.99 0.47 5.52	36.80 0.20 3.01	35.97 0.19 1.42	35.05 0.14 0.85	32.31 0.10 1.08	29.28 0.03 1.01
LOVETT___3 23632	37.19 2.09 -4.81	34.34 1.87 -6.17	32.87 1.67 -7.31	31.21 1.44 -8.24	31.13 1.30 -11.03	30.96 1.29 -12.48	31.11 1.35 -11.95	29.61 0.96 -17.06	32.89 1.76 -9.12	36.50 2.06 -8.73	34.86 2.65 -0.63	37.65 2.88 -0.02	39.77 2.84 0.00	44.20 2.78 0.00	43.65 3.08 0.00	46.64 3.32 -0.80	52.92 3.61 -8.27	57.16 3.70 -11.40	57.08 3.87 -10.16	45.78 3.25 -2.92	41.64 3.05 -1.38	39.63 3.04 -0.83	37.17 2.83 -1.05	34.05 2.60 -1.19
LOVETT___4 23642	37.19 2.09 -4.81	34.34 1.87 -6.17	32.87 1.67 -7.31	31.21 1.44 -8.24	31.13 1.30 -11.03	30.96 1.29 -12.48	31.11 1.35 -11.95	29.61 0.96 -17.06	32.89 1.76 -9.12	36.50 2.06 -8.73	34.86 2.65 -0.63	37.65 2.88 -0.02	39.77 2.84 0.00	44.20 2.78 0.00	43.65 3.08 0.00	46.64 3.32 -0.80	52.92 3.61 -8.27	57.16 3.70 -11.40	57.08 3.87 -10.16	45.78 3.25 -2.92	41.64 3.05 -1.38	39.63 3.04 -0.83	37.17 2.83 -1.05	34.05 2.60 -1.19
LOVETT___5 23593	37.19 2.09 -4.81	34.34 1.87 -6.17	32.87 1.67 -7.31	31.21 1.44 -8.24	31.13 1.30 -11.03	30.96 1.29 -12.48	31.11 1.35 -11.95	29.61 0.96 -17.06	32.89 1.76 -9.12	36.50 2.06 -8.73	34.86 2.65 -0.63	37.65 2.88 -0.02	39.77 2.84 0.00	44.20 2.78 0.00	43.65 3.08 0.00	46.64 3.32 -0.80	52.92 3.61 -8.27	57.16 3.70 -11.40	57.08 3.87 -10.16	45.78 3.25 -2.92	41.64 3.05 -1.38	39.63 3.04 -0.83	37.17 2.83 -1.05	34.05 2.60 -1.19
LOWER RAQUET___HYD 24057	29.20 -1.09 0.00	25.28 -1.03 0.00	22.93 -0.96 0.00	20.67 -0.86 0.00	17.80 -1.00 0.00	16.84 -0.88 -0.52	17.43 -0.87 -0.50	11.74 -0.57 -0.71	21.28 -1.10 -0.38	24.79 -1.28 -0.36	29.71 -1.52 0.35	32.97 -1.77 0.01	35.85 -1.07 0.00	40.47 -0.95 0.00	39.43 -1.14 0.00	40.89 -1.19 0.44	37.82 -2.26 0.96	38.53 -2.23 1.29	37.44 -2.54 3.06	35.91 -2.10 1.60	34.55 -1.90 0.76	33.41 -1.90 0.45	30.99 -1.73 0.58	28.08 -1.63 0.54
LOWER___HUDSON 24059	50.24 1.85 -18.10	38.25 1.60 -10.34	37.19 1.43 -11.87	34.10 1.29 -11.28	35.80 1.13 -15.88	36.28 1.12 -17.97	37.91 1.14 -18.96	42.83 0.75 -30.48	50.56 1.54 -27.02	50.12 1.83 -22.58	36.53 2.08 -2.87	37.15 2.33 -0.07	42.87 2.25 -3.69	43.74 2.32 0.00	47.49 2.43 -4.49	51.81 2.72 -6.57	72.27 2.91 -28.32	87.28 2.99 -42.24	122.22 3.36 -75.81	77.70 2.93 -35.15	59.81 2.71 -19.89	52.03 2.65 -13.62	40.45 2.40 -4.76	37.28 2.21 -4.82
LOWVILLE_115KV_TB2 356335	30.32 0.03 0.00	26.46 -0.08 -0.23	24.02 -0.14 -0.28	21.71 -0.13 -0.31	18.99 -0.23 -0.42	18.20 -0.09 -1.08	18.78 -0.07 -1.04	13.03 -0.05 -1.48	22.80 0.00 -0.79	26.49 0.03 -0.76	30.84 -0.09 0.64	34.63 -0.10 0.02	36.70 -0.22 0.00	41.38 -0.04 0.00	40.41 -0.16 0.00	41.71 0.00 0.81	39.32 0.00 1.71	39.97 0.21 2.29	38.18 0.73 5.60	37.18 0.51 2.95	36.33 0.52 1.40	35.32 0.39 0.84	32.57 0.33 1.06	29.38 0.12 1.00
LUTHERFT_115KV_GLOB_FND_222 355753	50.43 2.33 -17.81	37.72 2.00 -9.42	36.66 1.77 -11.00	34.59 1.57 -11.49	35.93 1.41 -15.72	36.24 1.34 -17.71	36.88 1.35 -17.72	39.26 0.88 -26.78	42.86 1.87 -18.99	44.70 2.24 -16.75	37.37 2.65 -3.14	37.85 3.02 -0.08	41.45 2.92 -1.61	44.49 3.07 0.00	45.85 3.33 -1.95	51.40 3.61 -5.26	68.51 3.73 -23.74	79.91 3.87 -33.99	101.44 4.39 -54.01	67.44 3.80 -24.02	53.64 3.65 -12.78	47.63 3.47 -8.40	41.60 3.10 -5.21	38.29 2.78 -5.25
LUTHERNY_35_KV_BK2 355980	50.46 2.36 -17.81	37.72 2.00 -9.42	36.66 1.77 -11.00	34.59 1.57 -11.49	35.93 1.41 -15.72	36.26 1.36 -17.71	36.90 1.37 -17.72	39.26 0.88 -26.78	42.89 1.89 -18.99	44.72 2.26 -16.75	37.40 2.68 -3.14	37.85 3.02 -0.08	41.49 2.95 -1.61	44.49 3.07 0.00	45.89 3.37 -1.95	51.44 3.66 -5.26	68.55 3.78 -23.74	79.91 3.87 -33.99	101.49 4.43 -54.01	67.48 3.84 -24.02	53.68 3.68 -12.78	47.67 3.50 -8.40	41.60 3.10 -5.21	38.29 2.78 -5.25
LWR___OSWEGATCHIE_HYD 23850	29.66 -0.64 0.00	25.81 -0.66 -0.17	23.44 -0.64 -0.20	21.17 -0.58 -0.23	18.44 -0.66 -0.30	17.44 -0.55 -0.80	18.04 -0.53 -0.76	12.33 -0.36 -1.09	21.95 -0.64 -0.58	25.55 -0.72 -0.56	30.15 -0.95 0.48	33.66 -1.08 0.01	36.07 -0.85 0.00	40.72 -0.70 0.00	39.72 -0.85 0.00	41.11 -0.81 0.60	38.45 -1.31 1.28	39.17 -1.18 1.71	37.89 -0.99 4.16	36.55 -0.87 2.19	35.39 -0.78 1.04	34.32 -0.82 0.62	31.71 -0.80 0.79	28.67 -0.85 0.74
LYONS_FALL_HYD 23570	30.78 0.48 0.00	26.83 0.32 -0.21	24.35 0.21 -0.25	22.03 0.22 -0.28	19.25 0.08 -0.38	18.59 0.24 -1.15	19.18 0.27 -1.10	13.34 0.17 -1.57	23.31 0.46 -0.84	27.08 0.56 -0.81	31.38 0.57 0.76	35.39 0.66 0.02	37.40 0.48 0.00	42.08 0.66 0.00	41.26 0.69 0.00	42.41 0.85 0.97	39.97 1.03 2.10	40.42 1.18 2.81	38.03 1.68 6.69	37.38 1.27 3.50	36.74 1.19 1.66	35.77 1.00 0.99	32.93 0.90 1.26	29.76 0.70 1.19
MADISON___COUNTY_LFGE 323628	31.20 0.91 0.00	27.37 0.71 -0.36	24.91 0.60 -0.43	22.55 0.54 -0.48	19.83 0.39 -0.64	19.23 0.55 -1.48	19.79 0.57 -1.42	14.00 0.38 -2.02	23.94 0.86 -1.08	27.77 1.03 -1.04	31.90 1.11 0.78	36.02 1.29 0.02	37.99 1.07 0.00	42.79 1.37 0.00	41.87 1.30 0.00	43.07 1.53 0.99	40.93 1.89 1.99	41.41 2.02 2.67	38.86 2.54 6.73	38.02 1.98 3.57	37.38 1.86 1.69	36.43 1.68 1.01	33.54 1.53 1.29	30.32 1.27 1.21
MALONE___115KV_TB1 356076	29.96 -0.33 0.00	25.93 -0.37 0.00	23.55 -0.33 0.00	21.23 -0.30 0.00	18.36 -0.43 0.00	17.19 -0.38 -0.37	17.83 -0.34 -0.36	11.90 -0.21 -0.51	21.88 -0.40 -0.27	25.51 -0.46 -0.26	30.73 -0.57 0.28	34.02 -0.73 0.01	36.66 -0.26 0.00	41.34 -0.08 0.00	40.41 -0.16 0.00	41.91 -0.26 0.36	39.21 -1.03 0.80	40.01 -0.97 1.07	39.22 -1.33 2.49	37.33 -0.99 1.29	35.74 -0.86 0.61	34.50 -0.89 0.37	31.96 -0.87 0.47	29.00 -0.82 0.44
MAPLEWOD_115KV_TB3 80458	43.43 1.70 -11.44	35.25 1.45 -7.50	34.25 1.29 -9.08	33.86 1.14 -11.19	34.46 1.03 -14.63	34.57 1.01 -16.36	33.68 1.02 -14.85	31.92 0.67 -19.65	28.99 1.39 -5.60	34.25 1.67 -6.87	35.89 1.99 -2.32	37.03 2.22 -0.06	37.34 2.10 1.69	43.53 2.11 0.00	40.91 2.39 2.06	46.73 2.59 -1.61	55.50 2.79 -11.68	59.35 2.90 -14.39	53.83 3.23 -7.56	43.04 2.77 -0.65	38.56 2.53 1.18	36.70 2.43 1.49	39.41 2.26 -3.85	36.23 2.03 -3.94
MAPLE RIDGE_WT_1 323574	29.99 -0.30 0.00	26.06 -0.24 0.00	23.67 -0.22 0.00	21.34 -0.19 0.00	18.59 -0.21 0.00	17.84 -0.07 -0.71	18.42 -0.07 -0.68	12.52 -0.05 -0.97	22.46 -0.07 -0.52	26.16 -0.05 -0.50	30.77 -0.13 0.68	34.60 -0.14 0.02	36.78 -0.15 0.00	41.26 -0.17 0.00	40.41 -0.16 0.00	41.49 -0.17 0.86	38.84 -0.16 2.03	39.16 -0.17 2.73	36.87 -0.09 6.09	36.37 -0.12 3.13	35.62 -0.11 1.48	34.73 -0.14 0.89	32.04 -0.13 1.13	29.04 -0.15 1.07

MAPLE_RIDGE_WT_2 323611	29.99 -0.30 0.00	26.06 -0.24 0.00	23.67 -0.22 0.00	21.34 -0.19 0.00	18.59 -0.21 0.00	17.84 -0.07 -0.71	18.42 -0.07 -0.68	12.52 -0.05 -0.97	22.46 -0.07 -0.52	26.16 -0.05 -0.50	30.77 -0.13 0.68	34.60 -0.14 0.02	36.78 -0.15 0.00	41.26 -0.17 0.00	40.41 -0.16 0.00	41.49 -0.17 0.86	38.84 -0.16 2.03	39.16 -0.17 2.73	36.87 -0.09 6.09	36.37 -0.12 3.13	35.62 -0.11 1.48	34.73 -0.14 0.89	32.04 -0.13 1.13	29.04 -0.15 1.07
MARBLE_RIVER_WT_PWR 323696	29.93 -0.36 0.00	25.91 -0.39 0.00	23.55 -0.33 0.00	21.23 -0.30 0.00	18.42 -0.38 0.00	17.17 -0.33 -0.30	17.78 -0.32 -0.29	11.81 -0.20 -0.41	21.85 -0.37 -0.22	25.48 -0.44 -0.21	30.82 -0.51 0.25	34.12 -0.62 0.01	36.67 -0.26 0.00	41.30 -0.12 0.00	40.29 -0.28 0.00	41.86 -0.34 0.32	39.41 -0.90 0.72	40.20 -0.89 0.97	39.58 -1.25 2.22	37.60 -0.87 1.15	35.85 -0.82 0.54	34.58 -0.86 0.32	32.08 -0.80 0.41	29.11 -0.76 0.39
MARSHVLE_115KV_TB1 80742	47.42 2.76 -14.37	38.90 2.24 -10.36	38.13 1.96 -12.29	37.11 1.74 -13.84	38.95 1.62 -18.53	39.40 1.50 -20.71	39.18 1.55 -19.82	40.90 1.00 -28.31	39.23 2.09 -15.14	42.67 2.47 -14.49	37.23 3.03 -2.62	38.33 3.51 -0.07	40.32 3.40 0.00	45.15 3.73 0.00	44.46 3.89 0.00	50.23 4.38 -3.33	64.97 4.72 -19.21	73.39 5.00 -26.33	80.22 5.68 -31.49	56.60 4.91 -12.07	47.54 4.61 -5.71	43.48 4.29 -3.42	41.30 3.66 -4.34	37.88 3.15 -4.47
MARSH_HILL_WT_PWR 323713	32.06 0.76 -1.01	28.03 0.50 -1.23	25.82 0.48 -1.46	23.56 0.39 -1.64	21.53 0.53 -2.20	20.91 0.62 -3.09	21.36 0.59 -2.96	16.26 0.44 -4.23	25.25 0.99 -2.26	29.06 1.18 -2.16	32.19 1.10 0.49	36.06 1.32 0.01	37.73 0.81 0.00	42.13 0.70 0.00	41.95 1.38 0.00	42.91 1.02 0.63	42.49 1.68 0.22	43.70 1.89 0.25	42.51 3.01 3.55	39.95 2.61 2.28	38.59 2.46 1.08	37.44 2.32 0.64	34.34 1.86 0.82	31.30 1.78 0.74
MCINTYRE_115KV_TB2 80467	29.87 -0.42 0.00	25.83 -0.47 0.00	23.43 -0.45 0.00	21.12 -0.41 0.00	18.16 -0.64 0.00	17.08 -0.58 -0.47	17.69 -0.57 -0.45	11.86 -0.38 -0.64	21.62 -0.73 -0.34	25.19 -0.85 -0.33	30.27 -0.98 0.33	33.56 -1.18 0.01	36.48 -0.44 0.00	41.17 -0.25 0.00	40.16 -0.41 0.00	41.64 -0.47 0.41	38.53 -1.60 0.91	39.32 -1.51 1.22	38.36 -1.81 2.88	36.73 -1.39 1.50	35.27 -1.23 0.71	34.09 -1.25 0.43	31.59 -1.17 0.54	28.63 -1.12 0.51
MECO____69_KV_BK1 80468	49.90 4.24 -15.37	39.57 3.45 -9.82	38.51 2.99 -11.65	37.29 2.65 -13.11	38.45 2.09 -17.56	39.11 2.24 -19.68	38.99 2.28 -18.90	40.13 1.43 -27.11	39.89 3.01 -14.87	43.41 3.57 -14.13	38.85 4.42 -2.85	40.00 5.18 -0.07	42.04 4.98 -0.13	46.97 5.55 0.00	46.69 5.96 -0.16	52.87 6.63 -3.72	67.90 7.02 -19.84	76.91 7.57 -27.29	86.32 8.52 -34.75	61.10 7.61 -13.88	51.04 7.14 -6.68	46.44 6.62 -4.06	43.57 5.56 -4.72	39.92 4.84 -4.82
MENANDS__115KV_TB5 355628	42.08 1.33 -10.45	34.78 1.18 -7.29	33.80 1.05 -8.86	33.59 0.95 -11.12	34.11 0.85 -14.47	34.20 0.84 -16.16	33.19 0.85 -14.53	31.07 0.57 -18.91	27.48 1.14 -4.34	33.02 1.39 -5.92	35.35 1.61 -2.16	36.58 1.77 -0.05	36.56 1.62 1.99	42.96 1.53 0.00	39.97 1.83 2.42	45.69 2.00 -1.17	53.50 2.22 -10.25	56.49 2.27 -12.17	48.11 2.54 -2.52	39.89 2.14 1.86	36.51 1.93 2.63	35.16 1.90 2.50	38.71 1.83 -3.58	35.61 1.66 -3.68
MG INDUSTRY___DRP 24185	40.05 1.42 -8.34	35.06 1.24 -7.52	34.05 1.12 -9.04	33.39 1.03 -10.83	33.98 0.92 -14.27	34.08 0.91 -15.97	33.49 0.93 -14.76	32.23 0.59 -20.04	30.66 1.19 -7.47	35.30 1.44 -8.15	34.83 1.67 -1.58	36.67 1.88 -0.04	37.35 1.55 1.12	42.91 1.49 0.00	40.95 1.74 1.36	45.59 1.96 -1.12	53.53 2.13 -10.36	57.46 2.23 -13.17	52.64 2.50 -7.10	42.36 2.14 -0.60	38.44 1.93 0.70	36.72 1.90 0.94	37.84 1.93 -2.61	34.79 1.79 -2.75
MID___OSWEGATCHIE_HYD 23849	29.66 -0.64 0.00	25.81 -0.66 -0.17	23.44 -0.64 -0.20	21.17 -0.58 -0.23	18.44 -0.66 -0.30	17.44 -0.55 -0.80	18.04 -0.53 -0.76	12.33 -0.36 -1.09	21.95 -0.64 -0.58	25.55 -0.72 -0.56	30.15 -0.95 0.48	33.66 -1.08 0.01	36.07 -0.85 0.00	40.72 -0.70 0.00	39.72 -0.85 0.00	41.11 -0.81 0.60	38.45 -1.31 1.28	39.17 -1.18 1.71	37.89 -0.99 4.16	36.55 -0.87 2.19	35.39 -0.78 1.04	34.32 -0.82 0.62	31.71 -0.80 0.79	28.67 -0.85 0.74
MID___RAQUETTE_HYD 23851	29.20 -1.09 0.00	25.28 -1.03 0.00	22.93 -0.96 0.00	20.67 -0.86 0.00	17.80 -1.00 -0.52	16.84 -0.88 -0.50	17.43 -0.87 -0.71	11.74 -0.57 -0.71	21.28 -1.10 -0.38	24.79 -1.29 -0.36	29.71 -1.52 0.35	32.97 -1.77 0.01	35.85 -1.07 0.00	40.43 -0.99 0.00	39.47 -1.10 0.00	40.89 -1.19 0.44	37.82 -2.26 0.96	38.53 -2.23 1.29	37.44 -2.54 3.06	35.91 -2.10 1.60	34.55 -1.90 0.76	33.41 -1.90 0.45	30.95 -1.76 0.58	28.08 -1.63 0.54
MILLIKEN___1 23584	32.15 0.85 -1.01	28.13 0.63 -1.19	25.85 0.55 -1.42	23.60 0.47 -1.59	21.40 0.47 -2.14	20.78 0.57 -3.01	21.28 0.59 -2.89	16.11 0.39 -4.12	25.04 0.84 -2.20	28.80 0.98 -2.11	32.16 1.07 0.49	35.92 1.18 0.01	37.92 1.00 0.00	42.67 1.24 0.00	41.74 1.18 0.00	43.26 1.36 0.62	42.56 1.76 0.24	43.72 1.93 0.27	42.15 2.63 3.52	39.46 2.10 2.25	38.12 1.97 1.06	36.95 1.82 0.64	34.12 1.63 0.81	30.92 1.39 0.73
MILLIKEN___2 23585	32.15 0.85 -1.01	28.13 0.63 -1.19	25.85 0.55 -1.42	23.60 0.47 -1.59	21.40 0.47 -2.14	20.78 0.57 -3.01	21.28 0.59 -2.89	16.11 0.39 -4.12	25.04 0.84 -2.20	28.80 0.98 -2.11	32.16 1.07 0.49	35.92 1.18 0.01	37.92 1.00 0.00	42.67 1.24 0.00	41.74 1.18 0.00	43.26 1.36 0.62	42.56 1.76 0.24	43.72 1.93 0.27	42.15 2.63 3.52	39.46 2.10 2.25	38.12 1.97 1.06	36.95 1.82 0.64	34.12 1.63 0.81	30.92 1.39 0.73
MILLIKEN___DIESEL 23629	32.15 0.85 -1.01	28.13 0.63 -1.19	25.85 0.55 -1.42	23.60 0.47 -1.59	21.40 0.47 -2.14	20.78 0.57 -3.01	21.28 0.59 -2.89	16.11 0.39 -4.12	25.04 0.84 -2.20	28.80 0.98 -2.11	32.16 1.07 0.49	35.92 1.18 0.01	37.92 1.00 0.00	42.67 1.24 0.00	41.74 1.18 0.00	43.26 1.36 0.62	42.56 1.76 0.24	43.72 1.93 0.27	42.15 2.63 3.52	39.46 2.10 2.25	38.12 1.97 1.06	36.95 1.82 0.64	34.12 1.63 0.81	30.92 1.39 0.73
MILLSEAT___LFGE 323607	31.00 0.03 -0.67	27.28 0.11 -0.88	25.04 0.12 -1.04	22.72 0.02 -1.17	20.65 0.28 -1.57	19.92 0.31 -2.42	20.37 0.25 -2.31	15.10 0.20 -3.30	24.36 0.59 -1.77	28.20 0.80 -1.69	31.11 0.13 0.59	35.19 0.45 0.01	36.63 -0.30 0.00	40.93 -0.50 0.00	40.93 0.36 0.00	41.43 -0.34 0.75	40.89 0.74 0.89	41.62 0.71 1.15	40.53 2.15 4.67	38.44 1.54 2.71	37.49 1.56 1.28	36.46 1.47 0.77	33.55 1.23 0.98	30.63 1.27 0.90
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	37.50 2.21 -4.99	34.67 1.97 -6.40	33.24 1.77 -7.59	31.58 1.51 -8.55	31.62 1.37 -11.45	31.49 1.36 -12.93	31.62 1.42 -12.38	30.28 1.01 -17.68	33.31 1.85 -9.46	36.92 2.16 -9.05	35.03 2.78 -0.67	37.79 3.02 -0.02	39.95 3.03 0.00	44.45 3.02 0.00	43.89 3.33 0.00	46.99 3.61 -0.86	53.53 3.86 -8.63	57.90 3.95 -11.89	57.86 4.13 -10.68	46.20 3.49 -3.10	41.95 3.27 -1.47	39.82 3.18 -0.88	37.37 2.96 -1.12	34.21 2.69 -1.26

MILLWOOD_13_KV_LOAD 356217	37.62 2.33 -4.99	34.78 2.08 -6.40	33.31 1.84 -7.59	31.67 1.59 -8.55	31.67 1.43 -11.45	31.56 1.43 -12.93	31.69 1.50 -12.38	30.33 1.06 -17.68	33.39 1.94 -9.46	37.00 2.24 -9.05	35.19 2.94 -0.67	37.93 3.16 -0.02	40.14 3.21 0.00	44.74 3.31 0.00	44.14 3.57 0.00	47.20 3.83 -0.86	53.81 4.14 -8.63	58.20 4.25 -11.89	58.16 4.43 -10.68	46.44 3.72 -3.10	42.17 3.50 -1.47	40.00 3.36 -0.88	37.51 3.10 -1.12	34.34 2.81 -1.26
MODEL_CITY_ENERGY 24167	30.13 -0.88 -0.71	26.59 -0.63 -0.92	24.45 -0.53 -1.09	22.22 -0.54 -1.23	20.26 -0.19 -1.65	19.63 -0.07 -2.50	20.03 -0.18 -2.39	14.95 -0.07 -3.42	23.87 0.04 -1.83	27.56 0.10 -1.75	30.27 -0.73 0.58	34.29 -0.45 0.01	35.63 -1.29 0.00	39.76 -1.66 0.00	39.88 -0.69 0.00	40.26 -1.53 0.73	39.82 -0.41 0.80	40.55 -0.46 1.04	39.46 0.95 4.53	37.31 0.36 2.66	36.36 0.41 1.26	35.40 0.39 0.75	32.60 0.27 0.96	29.83 0.45 0.88
MODERN_LFGE_ 323580	30.13 -0.88 -0.71	26.59 -0.63 -0.92	24.45 -0.53 -1.09	22.22 -0.54 -1.23	20.26 -0.19 -1.65	19.63 -0.07 -2.50	20.03 -0.18 -2.39	14.95 -0.07 -3.42	23.87 0.04 -1.83	27.56 0.10 -1.75	30.27 -0.73 0.58	34.29 -0.45 0.01	35.63 -1.29 0.00	39.76 -1.66 0.00	39.88 -0.69 0.00	40.26 -1.53 0.73	39.82 -0.41 0.80	40.55 -0.46 1.04	39.46 0.95 4.53	37.31 0.36 2.66	36.36 0.41 1.26	35.40 0.39 0.75	32.60 0.27 0.96	29.83 0.45 0.88
MOHAWK_PAPER___DRP 24187	43.43 1.70 -11.44	35.25 1.45 -7.50	34.25 1.29 -9.08	33.86 1.14 -11.19	34.46 1.03 -14.63	34.57 1.01 -16.36	33.68 1.02 -14.85	31.92 0.67 -19.65	28.99 1.39 -5.60	34.25 1.67 -6.87	35.89 1.99 -2.32	37.03 2.22 -0.06	37.34 2.10 1.69	43.53 2.11 0.00	40.91 2.39 2.06	46.73 2.59 -1.61	55.50 2.79 -11.68	59.35 2.90 -14.39	53.83 3.23 -7.56	43.04 2.77 -0.65	38.56 2.53 1.18	36.70 2.43 1.49	39.41 2.26 -3.85	36.23 2.03 -3.94
MOHICAN__35_KV_115KV_LD 80490	50.68 2.61 -17.78	37.86 2.18 -9.38	36.73 1.89 -10.96	34.69 1.66 -11.50	36.02 1.50 -15.72	36.32 1.43 -17.69	36.89 1.42 -17.66	39.12 0.93 -26.59	42.65 2.07 -18.58	44.65 2.49 -16.45	37.64 2.91 -3.16	38.17 3.34 -0.08	41.56 3.14 -1.50	44.74 3.31 0.00	46.04 3.65 -1.82	51.71 4.00 -5.19	68.51 3.98 -23.50	79.77 4.16 -33.55	100.90 4.99 -52.86	67.37 4.32 -23.43	53.97 4.35 -12.41	48.00 4.11 -8.13	42.05 3.53 -5.23	38.64 3.12 -5.27
MONGAUP___HYD 23641	36.91 2.15 -4.46	33.92 1.89 -5.72	32.32 1.65 -6.78	30.57 1.40 -7.64	30.18 1.15 -10.23	30.05 1.25 -11.60	30.18 1.26 -11.11	28.29 0.84 -15.86	31.98 1.50 -8.48	35.60 1.77 -8.12	34.38 2.24 -0.56	37.23 2.47 -0.01	39.29 2.37 0.00	43.91 2.49 0.00	43.13 2.56 0.00	46.12 2.89 -0.71	51.74 3.12 -7.59	55.88 3.37 -10.46	55.87 3.66 -9.17	45.40 3.21 -2.58	41.44 3.01 -1.22	39.43 2.93 -0.73	36.89 2.66 -0.93	33.74 2.42 -1.06
MONTAUK___DIESEL 23721	44.86 5.54 -9.03	39.32 4.79 -8.23	38.03 4.28 -9.88	34.35 3.75 -9.07	34.18 3.33 -12.06	34.52 3.16 -14.16	34.03 3.40 -12.82	33.48 2.27 -19.61	40.69 4.60 -14.09	49.02 5.50 -17.81	46.55 6.76 -8.22	50.61 7.61 -8.25	62.87 7.72 -18.23	69.92 8.24 -20.26	87.71 8.36 -38.78	90.60 8.84 -39.23	151.24 9.03 -101.18	209.13 9.25 -157.82	158.82 9.64 -106.13	102.62 8.68 -54.33	82.87 7.89 -37.77	52.40 7.72 -8.91	52.03 7.22 -11.51	49.97 6.48 -13.24
MOONROAD_115KV_HARTFLD_TB1-2 355988	31.85 0.73 -0.84	27.83 0.47 -1.05	25.68 0.55 -1.25	23.30 0.37 -1.41	21.32 0.64 -1.88	20.64 0.69 -2.75	21.10 0.66 -2.63	15.89 0.53 -3.76	25.22 1.21 -2.01	29.13 1.49 -1.93	32.36 1.33 0.54	36.55 1.81 0.01	37.96 1.03 0.00	43.08 1.66 0.00	41.87 1.30 0.00	43.19 1.36 0.69	42.57 2.09 0.56	43.62 2.27 0.71	42.32 3.40 4.12	40.04 2.93 2.50	38.74 2.72 1.18	37.63 2.57 0.71	34.72 2.33 0.90	31.52 2.09 0.82
MORTIMER_115KV_TB3 55949	30.87 0.03 -0.55	27.21 0.16 -0.75	24.89 0.12 -0.88	22.59 0.06 -1.00	20.38 0.24 -1.33	19.64 0.28 -2.17	20.12 0.23 -2.08	14.74 0.19 -2.96	24.16 0.57 -1.58	28.02 0.80 -1.52	31.14 0.19 0.62	35.22 0.49 0.02	36.89 -0.04 0.00	41.92 0.50 0.00	40.61 0.04 0.00	41.81 0.09 0.79	40.90 0.98 1.12	41.54 0.97 1.48	40.00 2.02 5.07	38.01 1.27 2.87	37.12 1.27 1.36	36.17 1.22 0.81	33.29 1.03 1.03	30.30 1.00 0.96
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	37.75 2.42 -5.03	34.96 2.21 -6.45	33.49 1.96 -7.65	31.82 1.68 -8.61	31.84 1.50 -11.54	31.72 1.50 -13.03	31.87 1.59 -12.48	30.54 1.12 -17.82	33.60 2.07 -9.53	37.22 2.39 -9.12	35.38 3.13 -0.68	38.14 3.37 -0.02	40.32 3.40 0.00	44.86 3.44 0.00	44.34 3.77 0.00	47.43 4.04 -0.87	54.01 4.27 -8.71	58.43 4.37 -12.00	58.40 4.56 -10.79	46.60 3.84 -3.14	42.23 3.53 -1.49	40.12 3.47 -0.89	37.69 3.26 -1.13	34.53 3.00 -1.28
MUNSVILLE_WIND_PWR 323609	35.19 2.91 -1.99	30.36 2.29 -1.77	27.94 1.96 -2.10	25.66 1.77 -2.36	23.31 1.35 -3.16	22.73 1.43 -4.10	23.25 1.51 -3.93	18.19 0.99 -5.61	27.12 2.11 -3.00	31.10 2.52 -2.87	34.21 2.87 0.24	37.91 3.16 0.01	39.88 2.95 0.00	44.94 3.52 0.00	44.10 3.53 0.00	46.13 3.91 0.30	46.64 4.43 -1.17	48.41 4.71 -1.65	48.14 5.90 0.81	43.39 4.87 1.09	41.23 4.54 0.52	39.57 4.11 0.31	36.60 3.70 0.39	33.09 3.15 0.31
N SALMON___HYD 24042	29.96 -0.33 0.00	25.93 -0.37 0.00	23.55 -0.33 0.00	21.23 -0.30 0.00	18.37 -0.43 0.00	17.19 -0.38 -0.37	17.83 -0.34 -0.36	11.90 -0.21 -0.51	21.88 -0.40 -0.27	25.51 -0.46 -0.26	30.73 -0.57 0.28	34.01 -0.73 0.01	36.67 -0.26 0.00	41.38 -0.04 0.00	40.37 -0.20 0.00	41.91 -0.25 0.36	39.21 -1.02 0.80	40.01 -0.97 1.07	39.22 -1.33 2.49	37.33 -0.99 1.29	35.74 -0.85 0.61	34.54 -0.86 0.37	32.00 -0.83 0.47	29.03 -0.79 0.44
N.AKRON__115KV_KNAPP 355671	31.03 0.06 -0.68	27.32 0.13 -0.88	25.05 0.12 -1.05	22.75 0.04 -1.18	20.66 0.28 -1.58	19.95 0.33 -2.43	20.38 0.25 -2.32	15.12 0.21 -3.32	24.39 0.62 -1.78	28.23 0.82 -1.70	31.08 0.09 0.59	35.22 0.49 0.01	36.66 -0.26 0.00	41.84 0.41 0.00	40.37 -0.20 0.00	41.56 -0.21 0.75	40.98 0.82 0.87	41.76 0.84 1.14	40.68 2.28 4.65	38.53 1.62 2.71	37.53 1.60 1.28	36.57 1.57 0.77	33.65 1.33 0.97	30.72 1.36 0.90
N.BELMOR_69_KV_BK1 55787	42.44 3.12 -9.03	37.27 2.74 -8.23	36.22 2.46 -9.88	32.73 2.13 -9.07	32.76 1.90 -12.06	33.22 1.86 -14.16	32.59 1.96 -12.82	32.56 1.36 -19.61	38.62 2.53 -14.09	46.42 2.96 -17.75	38.39 3.69 -3.12	40.76 4.03 -1.97	46.65 3.99 -5.74	49.74 4.10 -4.21	50.84 4.38 -5.90	50.10 4.72 -2.86	54.76 5.01 -8.71	59.11 5.05 -12.01	59.05 5.21 -10.80	47.39 4.63 -3.14	43.01 4.32 -1.49	40.91 4.26 -0.89	38.50 4.06 -1.15	37.31 3.69 -3.36
N.E._GEN_SANDY PD 24062	39.90 1.73 -7.88	35.64 1.55 -7.78	34.43 1.38 -9.16	32.74 1.25 -9.96	33.38 1.11 -13.47	33.48 1.10 -15.18	33.79 1.14 -14.84	34.17 0.79 -21.79	37.00 1.47 -13.52	39.81 1.72 -12.37	34.76 1.99 -1.19	36.97 2.19 -0.03	39.67 2.10 -0.64	43.53 2.11 0.00	43.54 2.19 -0.78	47.01 2.47 -2.02	56.95 2.71 -13.20	63.58 2.77 -18.75	69.78 2.97 -23.77	51.50 2.57 -9.31	44.57 2.38 -4.97	41.40 2.36 -3.28	37.50 2.23 -1.98	34.46 2.09 -2.12

N. HEMPST_138_KV_BK345_REV_LBMP_G 345014	37.24 2.15 -4.80	34.37 1.92 -6.15	32.90 1.72 -7.30	31.21 1.46 -8.22	31.12 1.32 -11.00	30.97 1.32 -12.45	31.11 1.39 -11.92	29.60 0.99 -17.01	32.91 1.80 -9.10	36.53 2.11 -8.71	34.92 2.72 -0.63	37.76 2.99 -0.02	39.84 2.92 0.00	44.28 2.86 0.00	43.73 3.16 0.00	46.72 3.40 -0.80	52.98 3.69 -8.25	57.21 3.78 -11.37	57.13 3.96 -10.13	45.85 3.33 -2.91	41.71 3.13 -1.38	39.70 3.11 -0.82	37.24 2.90 -1.05	34.11 2.66 -1.19
N. QUEENS_27_KV_LOAD 356247	37.94 2.61 -5.04	35.15 2.39 -6.46	33.69 2.15 -7.66	31.98 1.83 -8.62	31.98 1.64 -11.55	31.87 1.63 -13.04	32.00 1.71 -12.48	30.64 1.22 -17.82	33.78 2.24 -9.54	37.44 2.60 -9.13	35.52 3.25 -0.69	38.43 3.65 -0.02	40.59 3.66 -0.01	45.16 3.73 -0.01	44.63 4.06 -0.01	47.73 4.34 -0.87	54.39 4.64 -8.72	58.82 4.75 -12.01	58.80 4.95 -10.80	46.87 4.12 -3.14	42.49 3.80 -1.49	40.52 3.86 -0.90	37.89 3.46 -1.14	34.69 3.15 -1.29
N. TROY___115KV_TB1 355778	50.24 1.85 -18.10	38.25 1.60 -10.34	37.19 1.43 -11.87	34.10 1.29 -11.28	35.80 1.13 -15.88	36.28 1.12 -17.97	37.91 1.14 -18.96	42.83 0.75 -30.48	50.56 1.54 -27.02	50.12 1.83 -22.58	36.53 2.08 -2.87	37.15 2.33 -0.07	42.87 2.25 -3.69	43.66 2.24 0.00	47.57 2.52 -4.49	51.81 2.72 -6.57	72.27 2.91 -28.32	87.28 2.99 -42.24	122.21 3.36 -75.81	77.70 2.93 -35.15	59.85 2.75 -19.89	52.03 2.65 -13.62	40.52 2.46 -4.76	37.31 2.24 -4.82
NARROWS_GT1_1 24228	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
NARROWS_GT1_2 24229	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
NARROWS_GT1_3 24230	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
NARROWS_GT1_4 24231	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
NARROWS_GT1_5 24232	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
NARROWS_GT1_6 24233	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
NARROWS_GT1_7 24234	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
NARROWS_GT1_8 24235	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
NARROWS_GT2_1 24236	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
NARROWS_GT2_2 24237	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
NARROWS_GT2_3 24238	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
NARROWS_GT2_4 24239	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29

NARROWS_GT2_5 24240	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
NARROWS_GT2_6 24241	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
NARROWS_GT2_7 24242	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
NARROWS_GT2_8 24243	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.20 4.68 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	40.12 2.00 -7.82	35.14 1.66 -7.18	33.95 1.43 -8.63	33.12 1.25 -10.34	33.55 1.13 -13.63	33.55 1.08 -15.27	33.00 1.09 -14.11	31.52 0.79 -19.14	30.71 1.63 -7.08	35.49 2.03 -7.75	35.09 2.05 -1.46	37.19 2.40 -0.04	38.09 2.25 1.09	43.41 1.99 0.00	41.84 2.60 1.32	45.98 2.47 -0.99	53.44 2.71 -9.70	57.64 3.28 -12.30	53.00 3.79 -6.17	43.13 3.25 -0.27	39.39 3.01 0.83	37.62 2.86 1.00	38.11 2.40 -2.42	34.99 2.18 -2.55
NCHELSEA_115KV_TR2 355582	37.80 2.42 -5.08	34.90 2.13 -6.47	33.44 1.89 -7.67	31.80 1.64 -8.63	31.81 1.45 -11.57	31.70 1.44 -13.06	31.81 1.50 -12.51	30.46 1.01 -17.86	33.42 1.87 -9.55	37.06 2.21 -9.14	35.08 2.81 -0.69	37.86 3.09 -0.02	39.99 3.06 0.00	44.53 3.11 0.00	43.94 3.37 0.00	47.01 3.61 -0.88	53.74 3.94 -8.76	58.21 4.08 -12.07	58.26 4.30 -10.91	46.45 3.64 -3.19	42.10 3.39 -1.51	39.96 3.29 -0.90	37.44 3.00 -1.15	34.31 2.75 -1.30
NEG CAPITAL___MECHNVIL 23645	50.62 2.39 -17.94	38.04 2.05 -9.68	36.95 1.81 -11.25	34.57 1.62 -11.42	35.99 1.43 -15.76	36.35 1.38 -17.77	37.27 1.39 -18.07	40.33 0.91 -27.83	45.20 1.91 -21.28	46.44 2.31 -18.41	37.43 2.78 -3.08	37.96 3.13 -0.08	42.19 3.06 -2.20	44.66 3.23 0.00	46.69 3.45 -2.68	51.95 3.78 -5.65	70.02 3.90 -25.08	82.44 4.00 -36.39	107.90 4.52 -60.34	70.83 3.96 -27.25	55.80 3.76 -14.84	49.21 3.54 -9.91	41.52 3.13 -5.10	38.21 2.81 -5.14
NEG CENTRAL_HIGH_ACRES 23767	30.40 -0.42 -0.53	26.76 -0.26 -0.72	24.46 -0.29 -0.86	22.21 -0.28 -0.97	19.98 -0.11 -1.29	19.30 -0.02 -2.12	19.79 -0.05 -2.03	14.49 0.00 -2.90	23.77 0.22 -1.55	27.58 0.39 -1.48	30.89 -0.06 0.62	34.81 0.07 0.02	36.55 -0.37 0.00	40.97 -0.45 0.00	40.57 0.00 0.00	41.39 -0.34 0.79	40.34 0.45 1.15	40.96 0.42 1.52	39.29 1.34 5.09	37.37 0.63 2.87	36.52 0.67 1.36	35.52 0.57 0.81	32.73 0.47 1.03	29.81 0.51 0.96
NEG CENTRAL___DRP 24199	31.22 0.33 -0.60	27.27 0.18 -0.79	24.96 0.14 -0.93	22.69 0.11 -1.05	20.41 0.21 -1.41	19.74 0.31 -2.24	20.25 0.30 -2.14	14.87 0.22 -3.06	24.19 0.55 -1.64	27.94 0.67 -1.57	31.54 0.57 0.60	35.36 0.63 0.01	37.22 0.30 0.00	41.96 0.54 0.00	41.01 0.45 0.00	42.31 0.55 0.76	41.09 1.07 1.01	41.94 1.22 1.33	40.19 1.98 4.84	38.27 1.43 2.77	37.24 1.34 1.31	36.23 1.25 0.78	33.46 1.17 1.00	30.37 1.03 0.92
NEG CENTRAL___INDECK 23768	32.27 1.15 -0.82	28.34 1.00 -1.04	25.97 0.86 -1.23	23.62 0.71 -1.39	21.44 0.79 -1.86	20.71 0.79 -2.72	21.16 0.75 -2.61	15.82 0.50 -3.72	25.05 1.06 -1.99	28.54 0.92 -1.91	31.31 0.28 0.55	35.23 0.49 0.01	36.89 -0.04 0.00	41.13 -0.29 0.00	40.97 0.41 0.00	41.74 -0.08 0.69	41.48 1.03 0.58	42.66 1.35 0.74	41.85 2.97 4.16	39.91 2.81 2.51	39.00 2.98 1.19	37.88 2.82 0.71	34.79 2.40 0.90	31.67 2.24 0.83
NEG CENTRAL___SENECA 23627	31.48 0.51 -0.67	27.51 0.34 -0.87	25.20 0.29 -1.03	22.91 0.22 -1.16	20.64 0.28 -1.56	20.01 0.41 -2.40	20.52 0.41 -2.30	15.17 0.29 -3.28	24.48 0.73 -1.76	28.29 0.90 -1.68	31.78 0.79 0.58	35.50 0.76 0.01	37.33 0.41 0.00	42.13 0.70 0.00	41.14 0.57 0.00	42.50 0.72 0.74	41.47 1.31 0.88	42.39 1.47 1.14	40.79 2.37 4.63	38.67 1.74 2.69	37.57 1.64 1.27	36.54 1.54 0.76	33.82 1.50 0.97	30.70 1.33 0.89
NEG CENTRAL___STATE_STREET 24147	31.27 0.39 -0.58	27.31 0.24 -0.77	24.96 0.17 -0.91	22.71 0.15 -1.03	20.55 0.38 -1.37	19.74 0.34 -2.20	20.23 0.32 -2.10	14.83 0.23 -3.00	24.18 0.57 -1.61	27.94 0.69 -1.54	31.70 0.73 0.60	35.61 0.87 0.01	37.55 0.63 0.00	42.29 0.87 0.00	41.38 0.81 0.00	42.69 0.94 0.76	41.36 1.35 1.03	42.21 1.51 1.35	40.26 2.07 4.85	38.35 1.51 2.77	37.31 1.41 1.31	36.27 1.29 0.78	33.43 1.13 1.00	30.31 0.97 0.92
NEG MILLWOOD___DRP 24198	38.00 2.57 -5.13	35.14 2.29 -6.55	33.65 2.01 -7.76	31.99 1.72 -8.74	32.07 1.56 -11.71	31.98 1.56 -13.22	32.07 1.60 -12.66	30.77 1.10 -18.07	33.69 2.02 -9.67	37.33 2.37 -9.25	35.40 3.13 -0.70	38.18 3.41 -0.02	40.43 3.51 0.00	45.19 3.77 0.00	44.50 3.94 0.00	47.62 4.21 -0.89	54.46 4.56 -8.87	58.99 4.71 -12.22	59.00 4.91 -11.05	47.01 4.16 -3.23	42.68 3.94 -1.53	40.40 3.72 -0.92	37.75 3.30 -1.16	34.57 3.00 -1.31
NEG NORTH_FLCN_SEA 23793	30.26 -0.03 0.00	26.17 -0.13 0.00	23.79 -0.10 0.00	21.44 -0.09 0.00	18.63 -0.17 0.00	17.33 -0.17 -0.30	17.96 -0.14 -0.29	11.93 -0.08 -0.42	22.07 -0.15 -0.22	25.74 -0.18 -0.21	31.14 -0.19 0.25	34.43 -0.31 0.01	37.00 0.07 0.00	41.67 0.25 0.00	40.73 0.16 0.00	42.29 0.09 0.32	39.78 -0.53 0.73	40.62 -0.46 0.97	40.04 -0.77 2.23	37.99 -0.48 1.15	36.25 -0.41 0.54	34.97 -0.46 0.33	32.38 -0.50 0.41	29.44 -0.42 0.39
NEG NORTH_KES_CHATEGAY 23792	29.96 -0.33 0.00	25.93 -0.37 0.00	23.55 -0.33 0.00	21.25 -0.28 0.00	18.42 -0.38 0.00	17.19 -0.33 -0.32	17.80 -0.32 -0.31	11.84 -0.20 -0.44	21.84 -0.40 -0.24	25.47 -0.46 -0.23	30.78 -0.54 0.26	34.09 -0.66 0.01	36.63 -0.30 0.00	41.26 -0.17 0.00	40.28 -0.28 0.00	41.81 -0.38 0.33	39.31 -0.98 0.75	40.09 -0.97 1.00	39.41 -1.33 2.30	37.51 -0.91 1.19	35.79 -0.86 0.56	34.57 -0.86 0.34	32.00 -0.87 0.43	29.07 -0.79 0.41

NEG NORTH___ALICE_FALLS 23915	30.29 0.00 0.00	26.20 -0.11 0.00	23.79 -0.10 0.00	21.44 -0.09 0.00	18.61 -0.19 0.00	17.33 -0.17 -0.31	17.94 -0.16 -0.29	11.94 -0.08 -0.42	22.07 -0.15 -0.22	25.75 -0.18 -0.22	31.07 -0.25 0.25	34.36 -0.38 0.01	36.96 0.04 0.00	41.67 0.25 0.00	40.73 0.16 0.00	42.29 0.09 0.32	39.77 -0.53 0.73	40.61 -0.46 0.98	39.99 -0.82 2.24	37.94 -0.51 1.16	36.25 -0.41 0.55	34.97 -0.46 0.33	32.38 -0.50 0.42	29.41 -0.45 0.39
NEG NORTH___LWR_SARANAC 23913	30.29 0.00 0.00	26.20 -0.11 0.00	23.79 -0.10 0.00	21.44 -0.09 0.00	18.61 -0.19 0.00	17.33 -0.17 -0.31	17.94 -0.16 -0.29	11.94 -0.08 -0.42	22.07 -0.15 -0.22	25.75 -0.18 -0.22	31.07 -0.25 0.25	34.36 -0.38 0.01	36.96 0.04 0.00	41.67 0.25 0.00	40.73 0.16 0.00	42.29 0.09 0.32	39.77 -0.53 0.73	40.61 -0.46 0.98	39.99 -0.82 2.24	37.94 -0.51 1.16	36.25 -0.41 0.55	34.97 -0.46 0.33	32.38 -0.50 0.42	29.41 -0.45 0.39
NEG NORTH___PLATTSBURG 23628	30.29 0.00 0.00	26.20 -0.10 0.00	23.79 -0.10 0.00	21.44 -0.09 0.00	18.61 -0.19 0.00	17.33 -0.17 -0.31	17.94 -0.16 -0.29	11.94 -0.08 -0.42	22.07 -0.15 -0.22	25.75 -0.18 -0.22	31.07 -0.25 0.25	34.36 -0.38 0.01	36.96 0.04 0.00	41.67 0.25 0.00	40.69 0.12 0.00	42.24 0.04 0.32	39.73 -0.57 0.73	40.61 -0.46 0.98	39.99 -0.82 2.24	37.94 -0.52 1.16	36.25 -0.41 0.55	34.97 -0.47 0.33	32.41 -0.47 0.42	29.44 -0.42 0.39
NEG WEST_LEA_LOCKPORT 23791	30.51 -0.48 -0.70	26.87 -0.34 -0.91	24.70 -0.26 -1.08	22.44 -0.30 -1.22	20.44 0.02 -1.63	19.80 0.12 -2.48	20.20 0.02 -2.38	15.03 0.05 -3.39	24.12 0.31 -1.81	27.86 0.41 -1.74	30.58 -0.41 0.58	34.70 -0.03 0.01	36.04 -0.89 0.00	41.13 -0.29 0.00	39.76 -0.81 0.00	40.85 -0.94 0.74	40.38 0.16 0.82	41.16 0.17 1.07	40.07 1.59 4.56	37.89 0.95 2.67	36.84 0.89 1.27	35.90 0.89 0.76	33.10 0.77 0.96	30.25 0.88 0.88
NEG WEST___LANCASTR 23811	30.77 -0.36 -0.85	26.34 -1.03 -1.06	24.29 -0.86 -1.26	22.09 -0.86 -1.42	20.23 -0.47 -1.90	19.63 -0.34 -2.77	20.05 -0.41 -2.66	15.19 -0.20 -3.79	23.85 -0.18 -2.03	27.47 -0.18 -1.94	31.04 0.00 0.54	35.05 0.31 0.01	36.48 -0.44 0.00	41.38 -0.04 0.00	40.24 -0.32 0.00	41.49 -0.34 0.69	40.04 -0.45 0.54	40.95 -0.42 0.68	39.60 0.65 4.09	38.39 1.27 2.49	37.18 1.15 1.18	36.17 1.11 0.71	33.36 0.97 0.90	30.20 0.76 0.82
NEG_PENN_ALLEGHNY 23528	32.54 0.57 -1.68	28.62 0.42 -1.90	26.51 0.38 -2.25	24.39 0.32 -2.53	22.57 0.38 -3.39	22.02 0.46 -4.36	22.44 0.46 -4.17	17.88 0.32 -5.96	25.89 0.70 -3.19	29.58 0.82 -3.05	32.18 0.92 0.31	35.82 1.08 0.01	37.73 0.81 0.00	42.21 0.79 0.00	41.66 1.10 0.00	43.19 1.06 0.39	43.55 1.48 -1.04	45.10 1.56 -1.48	43.81 2.15 1.38	39.94 1.74 1.42	38.14 1.60 0.67	36.90 1.54 0.40	34.02 1.23 0.51	30.98 1.15 0.42
NEG___GEN_MONROE 24207	30.85 0.00 -0.56	27.19 0.13 -0.75	24.87 0.10 -0.89	22.58 0.04 -1.01	20.41 0.26 -1.35	19.69 0.31 -2.18	20.15 0.25 -2.09	14.74 0.16 -2.98	24.17 0.57 -1.59	27.98 0.75 -1.53	30.95 0.00 0.62	34.95 0.21 0.02	36.55 -0.37 0.00	41.51 0.08 0.00	40.37 -0.20 0.00	41.48 -0.26 0.79	40.58 0.66 1.11	41.35 0.76 1.46	39.89 1.89 5.04	37.98 1.23 2.86	37.12 1.27 1.35	36.13 1.18 0.81	33.26 1.00 1.03	30.30 1.00 0.95
NEPA___ENERGY 23901	31.18 0.03 -0.85	27.22 -0.16 -1.07	25.11 -0.05 -1.27	22.83 -0.13 -1.43	20.92 0.21 -1.92	20.24 0.26 -2.79	20.68 0.20 -2.67	15.61 0.20 -3.81	24.61 0.57 -2.04	28.36 0.69 -1.95	31.45 0.41 0.54	35.54 0.80 0.01	36.96 0.04 0.00	41.92 0.50 0.00	40.77 0.20 0.00	42.05 0.21 0.68	41.41 0.90 0.53	42.32 0.93 0.66	41.05 2.07 4.06	38.88 1.74 2.48	37.67 1.64 1.17	36.67 1.61 0.70	33.80 1.40 0.89	30.75 1.30 0.81
NEVERSINK___HYD 23608	37.30 2.42 -4.58	33.97 2.10 -5.56	32.32 1.84 -6.59	30.52 1.57 -7.42	30.02 1.28 -9.94	29.86 1.38 -11.28	30.02 1.41 -10.80	27.96 0.94 -15.42	31.97 1.72 -8.25	35.64 2.03 -7.90	34.72 2.56 -0.58	37.58 2.81 -0.01	39.69 2.77 0.00	44.36 2.94 0.00	43.53 2.96 0.00	46.67 3.40 -0.74	52.29 3.73 -7.52	56.33 3.91 -10.36	56.56 4.22 -9.29	45.87 3.57 -2.69	41.87 3.39 -1.27	39.81 3.29 -0.76	37.26 3.00 -0.97	34.02 2.66 -1.10
NEWKRMKL_115KV_TB1 55635	41.92 1.18 -10.45	34.82 1.05 -7.47	33.85 0.93 -9.03	33.47 0.82 -11.12	34.08 0.73 -14.54	34.21 0.76 -16.26	33.36 0.77 -14.78	31.68 0.51 -19.58	28.71 1.03 -5.67	33.87 1.26 -6.90	35.17 1.48 -2.11	36.47 1.67 -0.05	36.75 1.48 1.65	42.79 1.37 0.00	40.22 1.66 2.01	45.72 1.83 -1.37	54.06 2.05 -10.98	57.64 2.10 -13.49	51.37 2.37 -5.96	41.48 1.98 0.11	37.48 1.79 1.51	35.84 1.75 1.67	38.45 1.66 -3.49	35.37 1.51 -3.60
NEWTON___FALLS_HYD 23847	29.66 -0.64 0.00	25.81 -0.66 -0.17	23.44 -0.64 -0.20	21.17 -0.58 -0.23	18.44 -0.66 -0.30	17.44 -0.55 -0.80	18.04 -0.53 -0.76	12.33 -0.36 -1.09	21.95 -0.64 -0.58	25.55 -0.72 -0.56	30.15 -0.95 0.48	33.66 -1.08 0.01	36.07 -0.85 0.00	40.72 -0.70 0.00	39.72 -0.85 0.00	41.11 -0.81 0.60	38.45 -1.31 1.28	39.17 -1.18 1.71	37.89 -0.99 4.16	36.55 -0.87 2.19	35.39 -0.78 1.04	34.32 -0.82 0.62	31.71 -0.80 0.79	28.67 -0.85 0.74
NGRID_A1_DSASP 323792	30.13 -0.88 -0.72	26.67 -0.55 -0.93	24.55 -0.43 -1.10	22.31 -0.45 -1.24	20.36 -0.09 -1.66	19.74 0.03 -2.51	20.07 -0.14 -2.41	14.89 -0.14 -3.43	23.77 -0.07 -1.84	27.47 0.00 -1.76	29.99 -1.01 0.58	33.97 -0.76 0.01	35.30 -1.62 0.00	39.39 -2.03 0.00	39.56 -1.01 0.00	39.83 -1.96 0.73	39.51 -0.74 0.79	40.19 -0.84 1.03	39.09 0.56 4.51	37.04 0.08 2.65	35.99 0.04 1.26	35.05 0.04 0.75	32.34 0.00 0.96	29.77 0.39 0.88
NGRID_A2_DSASP 323793	30.13 -0.88 -0.72	26.67 -0.55 -0.93	24.55 -0.43 -1.10	22.31 -0.45 -1.24	20.36 -0.09 -1.66	19.74 0.03 -2.51	20.07 -0.14 -2.41	14.89 -0.14 -3.43	23.77 -0.07 -1.84	27.47 0.00 -1.76	29.99 -1.01 0.58	33.97 -0.76 0.01	35.30 -1.62 0.00	39.39 -2.03 0.00	39.56 -1.01 0.00	39.83 -1.96 0.73	39.51 -0.74 0.79	40.19 -0.84 1.03	39.09 0.56 4.51	37.04 0.08 2.65	35.99 0.04 1.26	35.05 0.04 0.75	32.34 0.00 0.96	29.77 0.39 0.88
NGRID_A4_DSASP 323807	30.19 -0.82 -0.72	26.68 -0.55 -0.93	24.55 -0.43 -1.10	22.31 -0.45 -1.24	20.36 -0.09 -1.66	19.74 0.03 -2.51	20.07 -0.14 -2.41	14.88 -0.15 -3.43	23.77 -0.07 -1.84	27.47 0.00 -1.76	29.89 -1.11 0.58	33.97 -0.76 0.01	35.26 -1.66 0.00	40.30 -1.12 0.00	38.90 -1.66 0.00	39.96 -1.83 0.73	39.59 -0.66 0.79	40.27 -0.76 1.03	39.22 0.69 4.51	37.00 0.04 2.65	36.03 0.07 1.26	35.12 0.11 0.75	32.41 0.07 0.96	29.80 0.42 0.88
NIAGARA_115E_LBMP 323715	29.95 -1.06 -0.72	26.44 -0.79 -0.93	24.32 -0.67 -1.10	22.10 -0.67 -1.24	20.18 -0.28 -1.66	19.56 -0.16 -2.52	19.95 -0.27 -2.41	14.90 -0.14 -3.44	23.75 -0.09 -1.84	27.42 -0.05 -1.76	30.05 -0.95 0.58	34.04 -0.69 0.01	35.41 -1.52 0.00	39.48 -1.95 0.00	39.64 -0.93 0.00	39.96 -1.83 0.73	39.59 -0.66 0.79	40.28 -0.76 1.02	39.18 0.65 4.51	37.04 0.08 2.65	36.14 0.19 1.25	35.16 0.14 0.75	32.41 0.07 0.95	29.62 0.24 0.88

NIAGARA_115W_LBMP 323714	30.07 -0.94 -0.72	26.65 -0.58 -0.93	24.50 -0.48 -1.10	22.27 -0.49 -1.24	20.32 -0.13 -1.65	19.72 0.02 -2.51	20.03 -0.18 -2.40	14.85 -0.17 -3.43	23.71 -0.13 -1.84	27.39 -0.08 -1.76	29.89 -1.11 0.58	33.87 -0.87 0.01	35.19 -1.73 0.00	39.27 -2.16 0.00	39.43 -1.14 0.00	39.71 -2.08 0.73	39.38 -0.86 0.80	40.06 -0.97 1.03	38.96 0.43 4.52	36.92 -0.04 2.66	35.88 -0.07 1.26	34.94 -0.07 0.75	32.24 -0.10 0.96	29.68 0.30 0.88
NIAGARA_230_LBMP 323716	30.21 -0.79 -0.71	26.66 -0.55 -0.91	24.51 -0.45 -1.08	22.30 -0.45 -1.22	20.32 -0.11 -1.63	19.68 0.00 -2.49	20.08 -0.11 -2.38	14.96 -0.03 -3.40	23.95 0.13 -1.82	27.68 0.23 -1.74	30.30 -0.69 0.58	34.32 -0.42 0.01	35.71 -1.22 0.00	39.85 -1.57 0.00	39.96 -0.61 0.00	40.29 -1.49 0.74	39.97 -0.24 0.82	40.61 -0.38 1.06	39.52 1.03 4.56	37.38 0.44 2.67	36.39 0.45 1.26	35.40 0.39 0.76	32.67 0.33 0.96	29.89 0.51 0.88
NIAGARA__115KV_198_GIBSON 55903	30.13 -0.88 -0.72	26.62 -0.60 -0.93	24.50 -0.48 -1.10	22.27 -0.50 -1.24	20.32 -0.13 -1.65	19.72 0.02 -2.51	20.03 -0.18 -2.40	14.84 -0.19 -3.43	23.71 -0.13 -1.84	27.39 -0.08 -1.76	29.83 -1.17 0.58	33.87 -0.87 0.01	35.15 -1.77 0.00	40.18 -1.24 0.00	38.78 -1.78 0.00	39.83 -1.96 0.73	39.46 -0.78 0.80	40.14 -0.88 1.03	39.09 0.56 4.52	36.92 -0.04 2.66	35.91 -0.04 1.26	35.01 0.00 0.75	32.30 -0.03 0.96	29.74 0.36 0.88
NIAGARA____ 23760	29.98 -1.03 -0.72	26.49 -0.74 -0.93	24.36 -0.62 -1.10	22.17 -0.60 -1.24	20.21 -0.24 -1.66	19.59 -0.12 -2.51	19.98 -0.23 -2.41	14.88 -0.15 -3.44	23.77 -0.07 -1.83	27.44 -0.03 -1.76	30.05 -0.95 0.58	34.04 -0.69 0.01	35.41 -1.52 0.00	39.52 -1.90 0.00	39.68 -0.89 0.00	40.00 -1.78 0.73	39.58 -0.66 0.80	40.27 -0.76 1.03	39.17 0.65 4.52	37.07 0.12 2.66	36.14 0.19 1.26	35.15 0.14 0.75	32.40 0.07 0.96	29.65 0.27 0.88
NINE_MILE_1 23575	29.48 -0.82 0.00	25.98 -0.71 -0.38	23.70 -0.64 -0.46	21.46 -0.58 -0.51	19.03 -0.45 -0.69	18.34 -0.29 -1.44	18.86 -0.32 -1.37	13.37 -0.19 -1.96	22.72 -0.33 -1.05	26.33 -0.38 -1.00	30.28 -0.63 0.67	34.07 -0.66 0.02	36.00 -0.92 0.00	40.35 -1.08 0.00	39.71 -0.85 0.00	40.74 -0.94 0.85	38.82 -0.57 1.64	39.32 -0.55 2.19	37.09 -0.21 5.74	36.06 -0.47 3.08	35.31 -0.44 1.46	34.42 -0.47 0.87	31.72 -0.47 1.11	28.82 -0.39 1.04
NINE_MILE_2 23744	29.48 -0.82 0.00	25.98 -0.71 -0.38	23.70 -0.64 -0.46	21.46 -0.58 -0.51	19.03 -0.45 -0.69	18.34 -0.29 -1.43	18.88 -0.30 -1.37	13.37 -0.19 -1.96	22.72 -0.33 -1.05	26.33 -0.38 -1.00	30.28 -0.63 0.67	34.07 -0.66 0.02	36.00 -0.92 0.00	40.35 -1.08 0.00	39.71 -0.85 0.00	40.74 -0.94 0.85	38.82 -0.57 1.64	39.32 -0.55 2.19	37.09 -0.21 5.74	36.06 -0.47 3.08	35.31 -0.44 1.46	34.43 -0.47 0.87	31.72 -0.47 1.11	28.82 -0.39 1.04
NM_CAPITAL____DRP 24208	41.46 1.24 -9.93	34.62 1.10 -7.22	33.67 1.00 -8.78	33.49 0.88 -11.08	33.99 0.79 -14.40	34.07 0.79 -16.08	33.01 0.80 -14.40	30.79 0.55 -18.65	27.03 1.10 -3.93	32.64 1.31 -5.62	35.16 1.52 -2.07	36.51 1.70 -0.05	36.35 1.51 2.08	42.83 1.41 0.00	39.74 1.70 2.53	45.37 1.87 -0.98	52.76 2.09 -9.63	55.44 2.14 -11.24	45.98 2.41 -0.53	38.78 2.02 2.85	35.85 1.82 3.18	34.68 1.79 2.87	38.45 1.73 -3.42	35.39 1.60 -3.53
NM_CENTRAL____DRP 24181	30.14 -0.15 0.00	26.71 -0.13 -0.54	24.38 -0.14 -0.64	22.12 -0.13 -0.72	19.71 -0.06 -0.97	19.06 0.09 -1.78	19.58 0.07 -1.70	14.09 0.07 -2.43	23.50 0.20 -1.30	27.16 0.21 -1.24	30.97 0.06 0.67	34.87 0.14 0.02	36.81 -0.11 0.00	41.38 -0.04 0.00	40.53 -0.04 0.00	41.71 0.04 0.85	40.00 0.45 1.49	40.58 0.50 1.98	38.33 0.95 5.66	37.07 0.55 3.10	36.26 0.52 1.47	35.35 0.46 0.88	32.55 0.37 1.11	29.52 0.30 1.04
NM_FRONTIER____DRP 24179	30.13 -0.88 -0.72	26.62 -0.60 -0.93	24.50 -0.48 -1.10	22.27 -0.50 -1.24	20.32 -0.13 -1.65	19.72 0.02 -2.51	20.03 -0.18 -2.40	14.84 -0.19 -3.43	23.71 -0.13 -1.84	27.39 -0.08 -1.76	29.83 -1.17 0.58	33.87 -0.87 0.01	35.15 -1.77 0.00	40.18 -1.24 0.00	38.78 -1.78 0.00	39.83 -1.96 0.73	39.46 -0.78 0.80	40.14 -0.88 1.03	39.09 0.56 4.52	36.92 -0.04 2.66	35.91 -0.04 1.26	35.01 0.00 0.75	32.30 -0.03 0.96	29.74 0.36 0.88
NM_ST_REGIS____HYD 24053	29.35 -0.94 0.00	25.41 -0.89 0.00	23.05 -0.84 0.00	20.80 -0.73 0.00	17.93 -0.86 0.00	16.93 -0.76 -0.49	17.53 -0.75 -0.47	11.78 -0.49 -0.67	21.41 -0.95 -0.36	24.97 -1.08 -0.34	29.95 -1.29 0.33	33.22 -1.53 0.01	36.04 -0.89 0.00	40.64 -0.79 0.00	39.68 -0.89 0.00	41.12 -0.98 0.42	38.14 -1.97 0.93	38.87 -1.93 1.25	37.82 -2.28 2.94	36.21 -1.86 1.54	34.81 -1.67 0.73	33.65 -1.68 0.44	31.18 -1.56 0.55	28.28 -1.45 0.52
NORTHPORT____1 23551	42.44 3.12 -9.02	37.24 2.71 -8.23	36.27 2.51 -9.88	32.76 2.15 -9.07	32.78 1.92 -12.06	33.27 1.91 -14.16	32.61 1.98 -12.82	32.58 1.38 -19.61	38.66 2.57 -14.09	46.39 2.93 -17.75	37.99 3.16 -3.26	38.41 3.51 -0.15	44.85 3.29 -4.64	47.74 3.40 -2.92	46.93 3.37 -2.99	46.00 3.83 0.35	52.80 4.06 -7.70	45.25 4.08 0.88	60.65 4.26 -13.34	47.97 3.84 -4.51	43.23 3.57 -2.45	38.41 3.90 1.25	37.36 3.70 -0.37	37.26 3.36 -3.64
NORTHPORT____2 23552	42.44 3.12 -9.02	37.24 2.71 -8.23	36.27 2.51 -9.88	32.76 2.15 -9.07	32.78 1.92 -12.06	33.27 1.91 -14.16	32.61 1.98 -12.82	32.58 1.38 -19.61	38.66 2.57 -14.09	46.39 2.93 -17.75	37.99 3.16 -3.26	38.41 3.51 -0.15	44.85 3.29 -4.64	47.74 3.40 -2.92	46.93 3.37 -2.99	46.00 3.83 0.35	52.80 4.06 -7.70	45.25 4.08 0.88	60.65 4.26 -13.34	47.97 3.84 -4.51	43.23 3.57 -2.45	38.41 3.90 1.25	37.36 3.70 -0.37	37.26 3.36 -3.64
NORTHPORT____3 23553	42.35 3.03 -9.02	37.16 2.63 -8.23	36.12 2.37 -9.88	32.63 2.02 -9.07	32.68 1.82 -12.06	33.15 1.79 -14.16	32.52 1.89 -12.82	32.51 1.31 -19.61	38.58 2.49 -14.09	46.31 2.85 -17.75	37.59 3.35 -2.67	38.62 3.16 -0.70	44.95 3.39 -4.64	47.82 3.60 -2.79	47.12 3.57 -2.99	46.16 4.00 0.36	45.89 4.31 -0.54	45.46 4.29 0.89	49.85 4.43 -2.37	42.20 3.96 1.38	39.09 3.61 1.72	38.63 3.47 0.60	37.86 3.93 -0.64	37.61 3.72 -3.63
NORTHPORT____4 23650	42.35 3.03 -9.02	37.16 2.63 -8.23	36.12 2.37 -9.88	32.63 2.02 -9.07	32.68 1.82 -12.06	33.15 1.79 -14.16	32.52 1.89 -12.82	32.51 1.31 -19.61	38.58 2.49 -14.09	46.31 2.85 -17.75	37.59 3.35 -2.67	38.62 3.16 -0.70	44.95 3.39 -4.64	47.82 3.60 -2.79	47.12 3.57 -2.99	46.16 4.00 0.36	45.89 4.31 -0.54	45.46 4.29 0.89	49.85 4.43 -2.37	42.20 3.96 1.38	39.09 3.61 1.72	38.63 3.47 0.60	37.86 3.93 -0.64	37.61 3.72 -3.63
NORTHPORT____IC 23718	42.44 3.12 -9.02	37.24 2.71 -8.23	36.27 2.51 -9.88	32.76 2.15 -9.07	32.78 1.92 -12.06	33.27 1.91 -14.16	32.61 1.98 -12.82	32.58 1.38 -19.61	38.66 2.57 -14.09	46.39 2.93 -17.75	37.99 3.16 -3.26	38.41 3.51 -0.15	44.85 3.29 -4.64	47.74 3.40 -2.92	46.93 3.37 -2.99	46.00 3.83 0.35	52.80 4.06 -7.70	45.25 4.08 0.88	60.65 4.26 -13.34	47.97 3.84 -4.51	43.23 3.57 -2.45	38.41 3.90 1.25	37.36 3.70 -0.37	37.26 3.36 -3.64

NORTH__COUNTRY_ESR 323785	29.84 -0.45 0.00	25.85 -0.45 0.00	23.48 -0.41 0.00	21.18 -0.35 0.00	18.37 -0.43 0.00	17.14 -0.38 -0.32	17.74 -0.37 -0.31	11.81 -0.23 -0.44	21.78 -0.46 -0.24	25.40 -0.54 -0.23	30.72 -0.60 0.26	34.01 -0.73 0.01	36.55 -0.37 0.00	41.18 -0.25 0.00	40.16 -0.41 0.00	41.68 -0.51 0.33	39.22 -1.07 0.75	40.00 -1.05 1.00	39.33 -1.42 2.30	37.39 -1.03 1.19	35.68 -0.97 0.56	34.42 -1.00 0.34	31.93 -0.93 0.43	29.01 -0.85 0.41
NPX_GEN_1385_PROXY 323591	42.13 2.82 -9.02	37.06 2.53 -8.23	36.39 2.63 -9.88	32.80 2.20 -9.07	32.70 1.84 -12.06	33.42 2.06 -14.16	32.54 1.91 -12.82	32.64 1.44 -19.61	38.51 2.42 -14.09	46.19 2.72 -17.75	37.64 2.81 -3.26	38.17 3.27 -0.15	44.45 2.88 -4.64	47.20 2.86 -2.92	46.40 2.84 -2.99	45.40 3.23 0.35	52.30 3.57 -7.70	44.54 3.37 0.88	60.30 3.92 -13.34	47.81 3.68 -4.51	43.16 3.50 -2.45	37.91 3.40 1.25	37.16 3.49 -0.37	37.04 3.15 -3.64
NPX_GEN_CSC 323557	43.07 3.76 -9.02	37.80 3.26 -8.23	36.70 2.94 -9.88	33.19 2.58 -9.07	33.15 2.29 -12.06	33.56 2.20 -14.16	33.07 2.44 -12.82	32.81 1.61 -19.61	39.26 3.17 -14.09	47.17 3.65 -17.81	44.02 4.23 -8.21	47.60 4.62 -8.22	59.64 4.50 -18.21	66.29 4.64 -20.23	83.92 4.62 -38.73	86.71 5.02 -39.17	147.33 5.25 -101.04	205.03 5.38 -157.59	154.58 5.55 -105.98	98.94 5.07 -54.25	79.83 4.91 -37.71	49.69 5.04 -8.88	49.61 4.83 -11.49	47.84 4.36 -13.22
NSINS_S_GLNS_FALLS 23858	50.66 2.61 -17.77	37.80 2.16 -9.34	36.70 1.89 -10.93	34.70 1.66 -11.51	36.01 1.50 -15.71	36.29 1.41 -17.68	36.84 1.42 -17.61	38.97 0.92 -26.45	42.34 2.07 -18.27	44.43 2.49 -16.23	37.65 2.91 -3.17	38.17 3.34 -0.08	41.44 3.10 -1.42	44.69 3.27 0.00	45.95 3.65 -1.73	51.66 4.00 -5.14	68.34 3.98 -23.32	79.40 4.12 -33.23	100.05 4.99 -52.01	66.93 4.32 -23.00	53.73 4.39 -12.14	47.80 4.11 -7.93	42.07 3.53 -5.24	38.66 3.12 -5.28
NUCOR_STEEL__DRP 24197	31.30 0.45 -0.55	27.35 0.32 -0.74	25.00 0.24 -0.87	22.73 0.22 -0.98	20.40 0.28 -1.32	19.73 0.40 -2.14	20.23 0.37 -2.05	14.78 0.27 -2.92	24.18 0.62 -1.56	27.95 0.75 -1.50	31.73 0.76 0.61	35.64 0.90 0.02	37.59 0.66 0.00	42.33 0.91 0.00	41.42 0.85 0.00	42.73 0.98 0.77	41.35 1.40 1.08	42.18 1.56 1.43	40.18 2.07 4.93	38.36 1.54 2.80	37.30 1.41 1.32	36.29 1.32 0.79	33.45 1.17 1.01	30.35 1.03 0.93
NUMBER_THREE_WT_PWR 323818	30.32 0.03 0.00	26.46 -0.08 -0.23	24.02 -0.14 -0.28	21.71 -0.13 -0.31	18.99 -0.22 -0.42	18.20 -0.09 -1.08	18.78 -0.07 -1.04	13.03 -0.05 -1.48	22.80 0.00 -0.79	26.49 0.03 -0.76	30.84 -0.09 0.64	34.63 -0.10 0.02	36.70 -0.22 0.00	41.34 -0.08 0.00	40.49 -0.08 0.00	41.75 0.04 0.81	39.37 0.04 1.71	40.02 0.25 2.29	38.18 0.73 5.60	37.18 0.51 2.95	36.33 0.52 1.40	35.28 0.36 0.84	32.57 0.33 1.06	29.38 0.12 1.00
NYISO_LBMP_REFERENCE 24008	30.29 0.00 0.00	26.30 0.00 0.00	23.88 0.00 0.00	21.53 0.00 0.00	18.80 0.00 0.00	17.20 0.00 0.00	17.81 0.00 0.00	11.60 0.00 0.00	22.00 0.00 0.00	25.71 0.00 0.00	31.58 0.00 0.00	34.75 0.00 0.00	36.92 0.00 0.00	41.42 0.00 0.00	40.57 0.00 0.00	42.52 0.00 0.00	41.04 0.00 0.00	42.06 0.00 0.00	43.04 0.00 0.00	39.61 0.00 0.00	37.21 0.00 0.00	35.76 0.00 0.00	33.29 0.00 0.00	30.26 0.00 0.00
NYPA_BRENTWD__GT 24164	43.01 3.69 -9.02	37.72 3.18 -8.23	36.65 2.89 -9.88	33.08 2.47 -9.07	33.07 2.22 -12.06	33.53 2.17 -14.16	32.91 2.28 -12.82	32.76 1.55 -19.61	39.08 2.99 -14.09	46.92 3.45 -17.76	39.74 3.98 -4.18	62.39 4.38 -23.26	49.44 4.17 -8.34	53.24 4.27 -7.55	57.57 4.26 -12.74	57.71 4.76 -10.43	73.89 4.88 -27.97	89.33 4.92 -42.36	78.76 5.08 -30.64	58.01 4.59 -13.80	50.60 4.35 -9.04	66.71 4.76 -26.19	51.73 4.56 -13.87	39.91 4.11 -5.54
NYPA_GOWANUS__GT5 24156	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.16 4.64 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.50 3.80 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
NYPA_GOWANUS__GT6 24157	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.07 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.71 3.44 -0.69	38.53 3.75 -0.02	40.82 3.84 -0.06	45.50 4.02 -0.06	49.99 3.93 -5.49	79.14 4.46 -32.16	79.16 4.64 -33.49	84.03 4.75 -37.22	78.04 4.95 -30.05	46.88 4.12 -3.15	42.50 3.80 -1.49	40.50 3.79 -0.95	38.23 3.70 -1.24	34.78 3.24 -1.29
NYPA_HARLEM_RVR_GT1 24160	37.94 2.61 -5.04	35.13 2.37 -6.46	33.64 2.10 -7.66	31.94 1.79 -8.62	31.96 1.62 -11.55	31.84 1.60 -13.04	31.99 1.69 -12.48	30.61 1.19 -17.82	33.74 2.20 -9.54	37.39 2.55 -9.13	35.42 3.16 -0.69	38.32 3.55 -0.02	40.51 3.58 -0.01	45.16 3.73 -0.01	44.27 3.69 -0.01	47.56 4.17 -0.87	54.23 4.47 -8.72	58.61 4.54 -12.01	58.58 4.73 -10.80	46.71 3.96 -3.14	42.34 3.65 -1.49	40.24 3.58 -0.90	38.09 3.66 -1.14	34.81 3.27 -1.29
NYPA_HARLEM_RVR_GT2 24161	37.94 2.61 -5.04	35.13 2.37 -6.46	33.64 2.10 -7.66	31.94 1.79 -8.62	31.96 1.62 -11.55	31.84 1.60 -13.04	31.99 1.69 -12.48	30.61 1.19 -17.82	33.74 2.20 -9.54	37.39 2.55 -9.13	35.42 3.16 -0.69	38.32 3.55 -0.02	40.51 3.58 -0.01	45.16 3.73 -0.01	44.27 3.69 -0.01	47.56 4.17 -0.87	54.23 4.47 -8.72	58.61 4.54 -12.01	58.58 4.73 -10.80	46.71 3.96 -3.14	42.34 3.65 -1.49	40.24 3.58 -0.90	38.09 3.66 -1.14	34.81 3.27 -1.29
NYPA_KENT__GT 24152	37.99 2.67 -5.04	35.18 2.42 -6.46	33.69 2.15 -7.65	31.96 1.81 -8.62	31.97 1.63 -11.54	31.87 1.63 -13.04	32.02 1.73 -12.49	30.64 1.22 -17.82	33.78 2.25 -9.54	37.43 2.60 -9.12	35.65 3.38 -0.69	38.42 3.65 -0.02	40.65 3.69 -0.03	45.31 3.85 -0.03	47.52 3.81 -3.14	65.64 4.34 -18.78	68.45 4.51 -22.90	73.12 4.63 -26.44	69.64 4.78 -21.82	46.76 4.00 -3.14	42.38 3.68 -1.49	40.37 3.68 -0.92	38.12 3.63 -1.20	34.75 3.21 -1.29
NYPA_POUCH1__GT 24155	38.00 2.67 -5.04	35.18 2.42 -6.46	33.71 2.17 -7.66	32.00 1.85 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.06 1.76 -12.48	30.65 1.23 -17.82	33.78 2.25 -9.54	37.46 2.62 -9.12	35.65 3.38 -0.69	38.39 3.61 -0.02	40.71 3.73 -0.06	45.42 3.94 -0.06	49.87 3.81 -5.49	79.06 4.38 -32.16	79.08 4.55 -33.49	83.95 4.67 -37.22	77.96 4.86 -30.05	46.80 4.04 -3.15	42.42 3.72 -1.49	40.39 3.68 -0.95	38.13 3.60 -1.24	34.66 3.12 -1.29
NYPA_VERNON__GT2 24162	37.90 2.57 -5.03	35.09 2.34 -6.45	33.61 2.08 -7.65	31.91 1.77 -8.61	31.92 1.58 -11.54	31.81 1.58 -13.03	31.99 1.69 -12.49	30.62 1.19 -17.82	33.72 2.18 -9.54	37.35 2.52 -9.12	35.55 3.28 -0.69	38.32 3.55 -0.02	40.51 3.58 -0.01	45.20 3.77 -0.01	45.05 3.69 -0.80	52.13 4.21 -5.40	57.73 4.39 -12.30	62.22 4.50 -15.66	61.32 4.69 -13.59	46.64 3.88 -3.14	42.30 3.61 -1.49	40.24 3.58 -0.90	37.98 3.53 -1.15	34.72 3.18 -1.29

ONONDAGA_REF_OCCRA 23987	30.74 -0.03 -0.48	26.91 -0.05 -0.67	24.60 -0.07 -0.79	22.35 -0.06 -0.89	19.99 0.00 -1.19	19.34 0.14 -2.01	19.86 0.12 -1.92	14.44 0.10 -2.74	23.73 0.26 -1.47	27.42 0.31 -1.41	31.13 0.19 0.64	35.01 0.28 0.02	36.96 0.04 0.00	41.59 0.17 0.00	40.73 0.16 0.00	41.97 0.26 0.81	40.44 0.66 1.25	41.12 0.71 1.65	38.96 1.16 5.25	37.43 0.75 2.93	36.53 0.71 1.39	35.58 0.64 0.83	32.77 0.53 1.05	29.70 0.42 0.98
ONONDAGA___COGEN 23986	30.32 0.03 0.00	26.92 0.00 -0.62	24.59 -0.02 -0.73	22.33 -0.02 -0.83	19.94 0.04 -1.11	19.28 0.17 -1.91	19.80 0.16 -1.83	14.34 0.13 -2.61	23.71 0.31 -1.40	27.43 0.39 -1.34	31.25 0.32 0.64	35.12 0.38 0.02	37.11 0.18 0.00	41.71 0.29 0.00	40.85 0.28 0.00	42.09 0.38 0.81	40.51 0.78 1.30	41.17 0.84 1.73	39.04 1.29 5.30	37.50 0.83 2.94	36.60 0.78 1.39	35.65 0.72 0.83	32.87 0.63 1.06	29.79 0.51 0.98
ONTARIO___LFGE 23819	31.48 0.51 -0.67	27.51 0.34 -0.87	25.20 0.29 -1.03	22.91 0.22 -1.16	20.64 0.28 -1.56	20.01 0.41 -2.40	20.52 0.41 -2.30	15.17 0.29 -3.28	24.48 0.73 -1.76	28.29 0.90 -1.68	31.78 0.79 0.58	35.50 0.76 0.01	37.33 0.41 0.00	41.79 0.37 0.00	41.38 0.81 0.00	42.46 0.68 0.74	41.43 1.27 0.88	42.35 1.43 1.14	40.70 2.28 4.63	38.66 1.74 2.69	37.57 1.64 1.27	36.50 1.50 0.76	33.69 1.37 0.97	30.64 1.27 0.89
ORANGEVILLE_WT_PWR 323706	31.15 -0.03 -0.89	27.31 -0.10 -1.11	25.15 -0.05 -1.32	22.90 -0.11 -1.48	20.95 0.17 -1.98	20.31 0.26 -2.86	20.72 0.18 -2.74	15.68 0.17 -3.91	24.60 0.51 -2.09	28.35 0.64 -2.00	31.30 0.25 0.53	35.26 0.52 0.01	36.78 -0.15 0.00	41.05 -0.37 0.00	41.02 0.45 0.00	41.72 -0.13 0.67	41.23 0.65 0.46	42.20 0.71 0.57	40.99 1.89 3.95	38.72 1.54 2.43	37.51 1.45 1.15	36.43 1.36 0.69	33.45 1.03 0.88	30.52 1.06 0.80
ORANGEVILLE___ESR 323794	31.15 -0.03 -0.89	27.31 -0.10 -1.11	25.15 -0.05 -1.32	22.90 -0.11 -1.48	20.95 0.17 -1.98	20.31 0.26 -2.86	20.72 0.18 -2.74	15.68 0.17 -3.91	24.60 0.51 -2.09	28.35 0.64 -2.00	31.30 0.25 0.53	35.26 0.52 0.01	36.78 -0.15 0.00	41.05 -0.37 0.00	41.02 0.45 0.00	41.72 -0.13 0.67	41.23 0.65 0.46	42.20 0.71 0.57	40.99 1.89 3.95	38.72 1.54 2.43	37.51 1.45 1.15	36.43 1.36 0.69	33.45 1.03 0.88	30.52 1.06 0.80
OSWEGATCHIE___HYD 24044	29.65 -0.64 0.00	25.81 -0.66 -0.17	23.44 -0.64 -0.20	21.17 -0.58 -0.23	18.44 -0.66 -0.30	17.44 -0.55 -0.80	18.04 -0.53 -0.76	12.33 -0.36 -1.09	21.95 -0.64 -0.58	25.55 -0.72 -0.56	30.15 -0.95 0.48	33.66 -1.08 0.01	36.08 -0.85 0.00	40.72 -0.81 0.00	39.76 -0.81 0.00	41.11 -0.81 0.60	38.49 -1.27 1.28	39.21 -1.13 1.71	37.89 -0.99 4.16	36.55 -0.87 2.19	35.39 -0.78 1.04	34.28 -0.86 0.62	31.71 -0.80 0.79	28.70 -0.82 0.74
OSWEGO___5 23606	29.72 -0.58 0.00	26.24 -0.50 -0.44	23.95 -0.45 -0.52	21.71 -0.41 -0.59	19.28 -0.30 -0.79	18.56 -0.16 -1.52	19.09 -0.18 -1.46	13.57 -0.10 -2.08	22.96 -0.15 -1.11	26.60 -0.18 -1.06	30.57 -0.38 0.63	34.36 -0.38 0.02	36.30 -0.63 0.00	40.68 -0.74 0.00	40.04 -0.53 0.00	41.13 -0.60 0.80	39.33 -0.24 1.46	39.90 -0.21 1.95	37.83 0.13 5.35	36.60 -0.12 2.90	35.72 -0.11 1.37	34.80 -0.14 0.82	32.05 -0.20 1.04	29.13 -0.15 0.98
OSWEGO___6 23613	29.72 -0.58 0.00	26.24 -0.50 -0.44	23.95 -0.45 -0.52	21.71 -0.41 -0.59	19.28 -0.30 -0.79	18.56 -0.16 -1.52	19.09 -0.18 -1.46	13.57 -0.10 -2.08	22.96 -0.15 -1.11	26.60 -0.18 -1.06	30.57 -0.38 0.63	34.36 -0.38 0.02	36.30 -0.63 0.00	40.68 -0.74 0.00	40.04 -0.53 0.00	41.13 -0.60 0.80	39.33 -0.24 1.46	39.90 -0.21 1.95	37.83 0.13 5.35	36.60 -0.12 2.90	35.72 -0.11 1.37	34.80 -0.14 0.82	32.05 -0.20 1.04	29.13 -0.15 0.98
OUTOKUMPU-AB___DRP 24206	30.85 -0.18 -0.74	27.14 -0.11 -0.94	24.98 -0.02 -1.12	22.68 -0.11 -1.26	20.67 0.19 -1.69	20.03 0.29 -2.55	20.42 0.18 -2.44	15.19 0.12 -3.48	24.30 0.44 -1.86	28.08 0.59 -1.78	30.85 -0.16 0.57	34.98 0.24 0.01	36.33 -0.59 0.00	41.46 0.04 0.00	40.08 -0.49 0.00	41.24 -0.55 0.73	40.77 0.49 0.76	41.58 0.50 0.98	40.44 1.85 4.46	38.21 1.23 2.63	37.12 1.15 1.25	36.16 1.14 0.75	33.35 1.00 0.95	30.51 1.12 0.87
OXBOW____ 24026	30.53 -0.49 -0.73	26.97 -0.26 -0.94	24.83 -0.17 -1.11	22.54 -0.24 -1.25	20.56 0.09 -1.67	19.93 0.21 -2.53	20.30 0.07 -2.42	15.08 0.02 -3.46	24.09 0.24 -1.85	27.84 0.36 -1.77	30.53 -0.47 0.57	34.57 -0.17 0.01	35.93 -1.00 0.00	40.10 -1.33 0.00	40.24 -0.33 0.00	40.60 -1.19 0.73	40.22 -0.04 0.78	40.97 -0.08 1.01	39.85 1.29 4.49	37.72 0.75 2.64	36.66 0.71 1.25	35.66 0.64 0.75	32.84 0.50 0.95	30.17 0.79 0.87
OXY_CHEM_DSASP 323612	30.19 -0.82 -0.72	26.68 -0.55 -0.93	24.55 -0.43 -1.10	22.31 -0.45 -1.24	20.36 -0.09 -1.66	19.74 0.03 -2.51	20.07 -0.14 -2.41	14.88 -0.15 -3.43	23.77 -0.07 -1.84	27.47 0.00 -1.76	29.89 -1.11 0.58	33.97 -0.76 0.01	35.26 -1.66 0.00	40.30 -1.12 0.00	38.90 -1.66 0.00	39.96 -1.83 0.73	39.59 -0.66 0.79	40.27 -0.76 1.03	39.22 0.69 4.51	37.00 0.04 2.65	36.03 0.07 1.26	35.12 0.11 0.75	32.41 0.07 0.96	29.80 0.42 0.88
OZONE_PARK_ESR 323760	38.08 2.76 -5.03	35.23 2.47 -6.45	33.75 2.22 -7.65	32.02 1.87 -8.61	32.01 1.67 -11.54	31.90 1.67 -13.03	32.07 1.78 -12.48	30.66 1.25 -17.81	33.82 2.29 -9.53	37.51 2.67 -9.12	35.73 3.47 -0.68	38.56 3.79 -0.02	40.76 3.84 0.00	45.36 3.94 0.00	44.83 4.26 0.00	48.02 4.63 -0.87	54.59 4.84 -8.71	58.98 4.92 -12.00	58.96 5.12 -10.79	47.07 4.32 -3.14	42.71 4.02 -1.49	40.55 3.90 -0.89	38.09 3.66 -1.13	34.86 3.33 -1.28
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	30.19 -0.82 -0.72	26.68 -0.55 -0.93	24.55 -0.43 -1.10	22.31 -0.45 -1.24	20.36 -0.09 -1.66	19.74 0.03 -2.51	20.07 -0.14 -2.41	14.88 -0.15 -3.43	23.77 -0.07 -1.84	27.47 0.00 -1.76	29.89 -1.11 0.58	33.97 -0.76 0.01	35.26 -1.66 0.00	40.30 -1.12 0.00	38.90 -1.66 0.00	39.96 -1.83 0.73	39.59 -0.66 0.79	40.27 -0.76 1.03	39.22 0.69 4.51	37.00 0.04 2.65	36.03 0.07 1.26	35.12 0.11 0.75	32.41 0.07 0.96	29.80 0.42 0.88
PACKARD__115KV_DUPONT_184 80571	30.19 -0.82 -0.72	26.68 -0.55 -0.93	24.55 -0.43 -1.10	22.31 -0.45 -1.24	20.36 -0.09 -1.66	19.74 0.03 -2.51	20.07 -0.14 -2.41	14.88 -0.15 -3.43	23.77 -0.07 -1.84	27.47 0.00 -1.76	29.89 -1.11 0.58	33.97 -0.76 0.01	35.26 -1.66 0.00	40.30 -1.12 0.00	38.90 -1.66 0.00	39.96 -1.83 0.73	39.59 -0.66 0.79	40.27 -0.76 1.03	39.22 0.69 4.51	37.00 0.04 2.65	36.03 0.07 1.26	35.12 0.11 0.75	32.41 0.07 0.96	29.80 0.42 0.88
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	37.94 2.61 -5.04	35.15 2.39 -6.46	33.69 2.15 -7.66	31.98 1.83 -8.62	31.98 1.64 -11.55	31.85 1.62 -13.04	32.00 1.71 -12.48	30.63 1.21 -17.82	33.74 2.20 -9.54	37.39 2.55 -9.13	35.52 3.25 -0.69	38.36 3.58 -0.02	40.55 3.62 -0.01	45.08 3.65 -0.01	44.55 3.98 -0.01	47.65 4.25 -0.87	54.23 4.47 -8.72	58.61 4.54 -12.01	58.58 4.73 -10.80	46.67 3.92 -3.14	42.34 3.65 -1.49	40.34 3.68 -0.90	37.83 3.40 -1.14	34.69 3.15 -1.29

PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	37.64 2.27 -5.08	34.84 2.03 -6.51	33.42 1.82 -7.72	31.80 1.57 -8.70	31.86 1.41 -11.65	31.74 1.39 -13.15	31.88 1.48 -12.59	30.62 1.04 -17.98	33.54 1.91 -9.62	37.16 2.24 -9.21	35.14 2.87 -0.69	37.90 3.13 -0.02	40.10 3.18 0.00	44.65 3.23 0.00	44.06 3.49 0.00	47.18 3.78 -0.88	53.94 4.10 -8.80	58.35 4.16 -12.13	58.32 4.35 -10.93	46.52 3.72 -3.19	42.14 3.42 -1.51	39.96 3.29 -0.90	37.50 3.06 -1.15	34.37 2.81 -1.30
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	37.85 2.27 -5.29	34.94 2.00 -6.64	33.55 1.79 -7.88	31.95 1.55 -8.87	32.05 1.37 -11.88	31.98 1.38 -13.41	32.05 1.41 -12.84	30.89 0.96 -18.33	33.56 1.76 -9.80	37.18 2.08 -9.38	34.93 2.62 -0.74	37.62 2.85 -0.02	39.77 2.84 0.00	44.28 2.86 0.00	43.69 3.12 0.00	46.82 3.36 -0.94	53.85 3.73 -9.08	58.39 3.83 -12.51	58.52 4.05 -11.43	46.45 3.45 -3.39	42.01 3.20 -1.60	39.84 3.11 -0.96	37.38 2.86 -1.22	34.26 2.63 -1.37
POLETTI____ 23519	37.69 2.36 -5.03	34.91 2.16 -6.45	33.44 1.91 -7.65	31.78 1.64 -8.61	31.80 1.47 -11.54	31.69 1.46 -13.03	31.85 1.57 -12.48	30.52 1.11 -17.81	33.56 2.02 -9.53	37.17 2.34 -9.12	35.35 3.09 -0.68	38.07 3.30 -0.02	40.28 3.36 0.00	44.78 3.36 0.00	44.26 3.69 0.00	47.38 4.00 -0.87	53.93 4.19 -8.71	58.35 4.29 -12.00	58.32 4.48 -10.79	46.52 3.76 -3.14	42.15 3.46 -1.49	40.01 3.36 -0.89	37.62 3.20 -1.13	34.47 2.93 -1.28
POMONA____ESR 323819	37.24 2.15 -4.80	34.37 1.92 -6.15	32.90 1.72 -7.30	31.21 1.46 -8.22	31.12 1.32 -11.00	30.97 1.32 -12.45	31.11 1.39 -11.92	29.60 0.99 -17.01	32.91 1.80 -9.10	36.53 2.11 -8.71	34.92 2.72 -0.63	37.76 2.99 -0.02	39.84 2.92 0.00	44.28 2.86 0.00	43.73 3.16 0.00	46.72 3.40 -0.80	52.98 3.69 -8.25	57.21 3.78 -11.37	57.13 3.96 -10.13	45.85 3.33 -2.91	41.71 3.13 -1.38	39.70 3.11 -0.82	37.24 2.90 -1.05	34.11 2.66 -1.19
PORT_JEFF_3 23555	42.89 3.57 -9.02	37.64 3.10 -8.23	36.55 2.79 -9.88	33.01 2.41 -9.07	33.04 2.18 -12.06	33.46 2.10 -14.16	32.88 2.24 -12.82	32.73 1.53 -19.61	39.04 2.95 -14.09	46.92 3.39 -17.81	43.73 3.82 -8.34	46.87 3.99 -8.12	59.35 3.91 -18.52	66.14 4.10 -20.62	84.19 4.10 -39.53	87.13 4.55 -40.06	149.13 4.80 -103.30	208.08 4.88 -161.15	156.34 4.99 -108.30	99.63 4.51 -55.50	80.01 4.20 -38.60	48.86 4.33 -8.77	49.33 4.43 -11.61	47.87 4.15 -13.47
PORT_JEFF_4 23616	42.89 3.57 -9.02	37.64 3.10 -8.23	36.55 2.79 -9.88	33.01 2.41 -9.07	33.04 2.18 -12.06	33.46 2.10 -14.16	32.88 2.24 -12.82	32.73 1.53 -19.61	39.04 2.95 -14.09	46.92 3.39 -17.81	43.73 3.82 -8.34	46.87 3.99 -8.12	59.35 3.91 -18.52	66.14 4.10 -20.62	84.19 4.10 -39.53	87.13 4.55 -40.06	149.13 4.80 -103.30	208.08 4.88 -161.15	156.34 4.99 -108.30	99.63 4.51 -55.50	80.01 4.20 -38.60	48.86 4.33 -8.77	49.33 4.43 -11.61	47.87 4.15 -13.47
PORT_JEFF_IC 23713	42.98 3.66 -9.02	37.69 3.15 -8.23	36.62 2.86 -9.88	33.06 2.45 -9.07	33.09 2.24 -12.06	33.51 2.15 -14.16	32.91 2.28 -12.82	32.76 1.55 -19.61	39.11 3.01 -14.09	47.03 3.50 -17.82	44.62 3.95 -9.10	46.46 3.99 -7.72	61.27 3.95 -20.39	68.63 4.18 -23.03	89.17 4.14 -44.47	92.63 4.59 -45.52	163.08 4.88 -117.16	229.99 4.92 -183.02	170.73 5.08 -122.60	107.35 4.55 -63.18	85.49 4.24 -44.04	48.48 4.33 -8.39	50.24 4.49 -12.45	49.47 4.24 -14.97
PPL PILGRIM_ST_GT1 24216	43.01 3.69 -9.02	37.72 3.18 -8.23	36.65 2.89 -9.88	33.08 2.47 -9.07	33.07 2.22 -12.06	33.53 2.17 -14.16	32.91 2.28 -12.82	32.76 1.55 -19.61	39.08 2.99 -14.09	46.92 3.45 -17.76	39.74 3.98 -4.18	62.39 4.38 -23.26	49.44 4.17 -8.34	53.24 4.27 -7.55	57.57 4.26 -12.74	57.71 4.76 -10.43	73.89 4.88 -27.97	89.33 4.92 -42.36	78.76 5.08 -30.64	58.01 4.59 -13.80	50.60 4.35 -9.04	66.71 4.76 -26.19	51.73 4.56 -13.87	39.91 4.11 -5.54
PPL PILGRIM_ST_GT2 24217	43.01 3.69 -9.02	37.72 3.18 -8.23	36.65 2.89 -9.88	33.08 2.47 -9.07	33.07 2.22 -12.06	33.53 2.17 -14.16	32.91 2.28 -12.82	32.76 1.55 -19.61	39.08 2.99 -14.09	46.92 3.45 -17.76	39.74 3.98 -4.18	62.39 4.38 -23.26	49.44 4.17 -8.34	53.24 4.27 -7.55	57.57 4.26 -12.74	57.71 4.76 -10.43	73.89 4.88 -27.97	89.33 4.92 -42.36	78.76 5.08 -30.64	58.01 4.59 -13.80	50.60 4.35 -9.04	66.71 4.76 -26.19	51.73 4.56 -13.87	39.91 4.11 -5.54
PPL_SHRM_GT3 24213	43.10 3.79 -9.02	37.82 3.29 -8.23	36.72 2.96 -9.88	33.19 2.58 -9.07	33.15 2.29 -12.06	33.58 2.22 -14.16	33.07 2.44 -12.82	32.83 1.62 -19.61	39.28 3.19 -14.09	47.17 3.65 -17.81	44.21 4.20 -8.43	47.54 4.62 -8.17	60.21 4.54 -18.75	67.02 4.68 -20.92	85.37 4.66 -40.14	88.32 5.06 -40.74	151.38 5.33 -105.01	211.34 5.43 -163.86	158.76 5.64 -110.08	101.22 5.15 -56.45	81.47 4.99 -39.27	49.68 5.08 -8.84	49.95 4.90 -11.76	48.30 4.39 -13.66
PPL_SHRM_GT4 24214	43.10 3.79 -9.02	37.82 3.29 -8.23	36.72 2.96 -9.88	33.19 2.58 -9.07	33.15 2.29 -12.06	33.58 2.22 -14.16	33.07 2.44 -12.82	32.83 1.62 -19.61	39.28 3.19 -14.09	47.17 3.65 -17.81	44.21 4.20 -8.43	47.54 4.62 -8.17	60.21 4.54 -18.75	67.02 4.68 -20.92	85.37 4.66 -40.14	88.32 5.06 -40.74	151.38 5.33 -105.01	211.34 5.43 -163.86	158.76 5.64 -110.08	101.22 5.15 -56.45	81.47 4.99 -39.27	49.68 5.08 -8.84	49.95 4.90 -11.76	48.30 4.39 -13.66
PROJECT___ORANGE 1 24174	30.17 -0.12 0.00	26.75 -0.11 -0.55	24.42 -0.12 -0.65	22.15 -0.11 -0.73	19.74 -0.04 -0.98	19.09 0.10 -1.79	19.61 0.09 -1.71	14.11 0.07 -2.45	23.53 0.22 -1.31	27.19 0.23 -1.25	31.00 0.09 0.67	34.91 0.17 0.02	36.85 -0.07 0.00	41.42 0.00 0.00	40.57 0.00 0.00	41.75 0.09 0.85	40.06 0.49 1.47	40.64 0.55 1.96	38.44 1.03 5.64	37.12 0.59 3.09	36.27 0.52 1.46	35.39 0.50 0.87	32.58 0.40 1.11	29.55 0.33 1.04
PROJECT___ORANGE 2 24166	30.17 -0.12 0.00	26.75 -0.11 -0.55	24.42 -0.12 -0.65	22.15 -0.11 -0.73	19.74 -0.04 -0.98	19.09 0.10 -1.79	19.61 0.09 -1.71	14.11 0.07 -2.45	23.53 0.22 -1.31	27.19 0.23 -1.25	31.00 0.09 0.67	34.91 0.17 0.02	36.85 -0.07 0.00	41.42 0.00 0.00	40.57 0.00 0.00	41.75 0.09 0.85	40.06 0.49 1.47	40.64 0.55 1.96	38.44 1.03 5.64	37.12 0.59 3.09	36.27 0.52 1.46	35.39 0.50 0.87	32.58 0.40 1.11	29.55 0.33 1.04
PUCKETT___SOLAR 323809	33.18 1.00 -1.89	28.99 0.76 -1.92	26.86 0.69 -2.28	24.70 0.60 -2.57	22.80 0.56 -3.44	22.25 0.65 -4.40	22.68 0.66 -4.21	18.04 0.43 -6.02	26.10 0.88 -3.22	29.79 1.00 -3.08	32.36 1.04 0.26	35.93 1.18 0.01	37.81 0.88 0.00	42.38 0.95 0.00	41.75 1.18 0.00	43.52 1.32 0.32	44.05 1.76 -1.25	45.80 1.98 -1.76	44.88 2.71 0.87	40.74 2.30 1.17	38.81 2.16 0.56	37.43 2.00 0.33	34.57 1.70 0.42	31.43 1.51 0.34
PYRITES___HYD 24023	29.81 -0.48 0.00	25.78 -0.53 0.00	23.36 -0.53 0.00	21.08 -0.45 0.00	18.08 -0.71 0.00	17.07 -0.62 -0.49	17.69 -0.59 -0.47	11.88 -0.39 -0.68	21.62 -0.75 -0.36	25.21 -0.85 -0.35	30.26 -0.98 0.34	33.56 -1.18 0.01	36.48 -0.44 0.00	41.22 -0.21 0.00	40.16 -0.41 0.00	41.63 -0.47 0.43	38.50 -1.60 0.94	39.28 -1.51 1.26	38.31 -1.76 2.97	36.68 -1.39 1.55	35.25 -1.23 0.73	34.07 -1.25 0.44	31.57 -1.17 0.56	28.58 -1.15 0.53

RAVENSWOOD_GT_4 24252	37.75 2.42 -5.03	34.94 2.18 -6.45	33.49 1.96 -7.65	31.80 1.66 -8.61	31.82 1.48 -11.54	31.71 1.48 -13.03	31.87 1.59 -12.47	30.53 1.12 -17.81	33.57 2.05 -9.52	37.22 2.39 -9.12	35.38 3.13 -0.68	38.11 3.34 -0.02	40.33 3.40 -0.01	44.87 3.44 -0.01	44.91 3.73 -0.61	50.88 4.04 -4.32	56.75 4.27 -11.45	61.21 4.37 -14.79	60.49 4.52 -12.92	46.56 3.80 -3.14	42.23 3.53 -1.49	40.09 3.43 -0.90	37.66 3.23 -1.14	34.53 3.00 -1.27
RAVENSWOOD_GT_5 24254	37.75 2.42 -5.03	34.94 2.18 -6.45	33.49 1.96 -7.65	31.80 1.66 -8.61	31.82 1.48 -11.54	31.71 1.48 -13.03	31.87 1.59 -12.47	30.53 1.12 -17.81	33.57 2.05 -9.52	37.22 2.39 -9.12	35.38 3.13 -0.68	38.11 3.34 -0.02	40.33 3.40 -0.01	44.87 3.44 -0.01	44.91 3.73 -0.61	50.88 4.04 -4.32	56.75 4.27 -11.45	61.21 4.37 -14.79	60.49 4.52 -12.92	46.56 3.80 -3.14	42.23 3.53 -1.49	40.09 3.43 -0.90	37.66 3.23 -1.14	34.53 3.00 -1.27
RAVENSWOOD_GT_6 24253	37.75 2.42 -5.03	34.94 2.18 -6.45	33.49 1.96 -7.65	31.80 1.66 -8.61	31.82 1.48 -11.54	31.71 1.48 -13.03	31.87 1.59 -12.47	30.53 1.12 -17.81	33.57 2.05 -9.52	37.22 2.39 -9.12	35.38 3.13 -0.68	38.11 3.34 -0.02	40.33 3.40 -0.01	44.87 3.44 -0.01	44.91 3.73 -0.61	50.88 4.04 -4.32	56.75 4.27 -11.45	61.21 4.37 -14.79	60.49 4.52 -12.92	46.56 3.80 -3.14	42.23 3.53 -1.49	40.09 3.43 -0.90	37.66 3.23 -1.14	34.53 3.00 -1.27
RAVENSWOOD_GT_7 24255	37.75 2.42 -5.03	34.94 2.18 -6.45	33.49 1.96 -7.65	31.80 1.66 -8.61	31.82 1.48 -11.54	31.71 1.48 -13.03	31.87 1.59 -12.47	30.53 1.12 -17.81	33.57 2.05 -9.52	37.22 2.39 -9.12	35.38 3.13 -0.68	38.11 3.34 -0.02	40.33 3.40 -0.01	44.87 3.44 -0.01	44.91 3.73 -0.61	50.88 4.04 -4.32	56.75 4.27 -11.45	61.21 4.37 -14.79	60.49 4.52 -12.92	46.56 3.80 -3.14	42.23 3.53 -1.49	40.09 3.43 -0.90	37.66 3.23 -1.14	34.53 3.00 -1.27
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	37.75 2.42 -5.03	34.96 2.21 -6.45	33.49 1.96 -7.65	31.82 1.68 -8.61	31.84 1.50 -11.54	31.72 1.50 -13.03	31.89 1.60 -12.48	30.55 1.14 -17.81	33.60 2.07 -9.53	37.22 2.39 -9.12	35.38 3.13 -0.68	38.14 3.37 -0.02	40.32 3.40 0.00	44.86 3.44 0.00	44.34 3.77 0.00	47.47 4.08 -0.87	54.01 4.27 -8.71	58.43 4.37 -12.00	58.40 4.56 -10.79	46.56 3.80 -3.14	42.23 3.53 -1.49	40.12 3.47 -0.89	37.69 3.26 -1.13	34.53 3.00 -1.28
RAVENSWOOD_GT_9 24257	37.78 2.45 -5.03	34.96 2.21 -6.45	33.49 1.96 -7.65	31.80 1.66 -8.61	31.84 1.50 -11.54	31.72 1.50 -13.03	31.89 1.60 -12.48	30.55 1.14 -17.81	33.60 2.07 -9.53	37.22 2.39 -9.12	35.38 3.13 -0.68	38.14 3.37 -0.02	40.32 3.39 0.00	45.02 3.60 0.00	44.14 3.57 0.00	47.43 4.04 -0.87	54.01 4.27 -8.71	58.43 4.37 -12.00	58.36 4.52 -10.79	46.56 3.80 -3.14	42.23 3.54 -1.49	40.12 3.47 -0.89	37.78 3.36 -1.13	34.56 3.03 -1.28
RAVENSWOOD___1 23533	37.87 2.54 -5.03	35.07 2.32 -6.45	33.59 2.05 -7.65	31.89 1.74 -8.61	31.89 1.56 -11.54	31.79 1.56 -13.03	31.97 1.67 -12.48	30.60 1.18 -17.82	33.72 2.18 -9.54	37.33 2.49 -9.12	35.52 3.25 -0.69	38.28 3.51 -0.02	40.50 3.58 0.00	45.15 3.73 0.00	44.26 3.69 0.00	47.60 4.21 -0.87	54.14 4.39 -8.71	58.56 4.50 -12.00	58.49 4.65 -10.79	46.64 3.88 -3.14	42.27 3.57 -1.49	40.23 3.58 -0.89	37.93 3.49 -1.14	34.69 3.15 -1.29
RAVENSWOOD___2 23534	37.87 2.54 -5.03	35.07 2.32 -6.45	33.59 2.05 -7.65	31.89 1.74 -8.61	31.89 1.56 -11.54	31.79 1.56 -13.03	31.95 1.66 -12.48	30.60 1.18 -17.82	33.70 2.16 -9.54	37.33 2.49 -9.12	35.52 3.25 -0.69	38.28 3.51 -0.02	40.50 3.58 0.00	45.15 3.73 0.00	44.22 3.65 0.00	47.60 4.21 -0.87	54.14 4.39 -8.71	58.51 4.46 -12.00	58.49 4.65 -10.79	46.59 3.84 -3.14	42.27 3.57 -1.49	40.19 3.54 -0.89	37.93 3.49 -1.14	34.69 3.15 -1.29
RAVENSWOOD___3 23535	37.78 2.45 -5.03	34.96 2.21 -6.45	33.52 1.98 -7.65	31.82 1.68 -8.61	31.84 1.50 -11.54	31.72 1.50 -13.03	31.89 1.60 -12.48	30.55 1.14 -17.82	33.60 2.07 -9.53	37.22 2.39 -9.12	35.38 3.13 -0.68	38.14 3.37 -0.02	40.32 3.39 0.00	45.07 3.65 0.00	44.14 3.57 0.00	47.43 4.04 -0.87	54.01 4.27 -8.71	58.43 4.37 -12.00	58.36 4.52 -10.79	46.56 3.80 -3.14	42.23 3.54 -1.49	40.12 3.47 -0.89	37.78 3.36 -1.13	34.56 3.03 -1.28
RAVENSWOOD___4 23820	37.87 2.54 -5.03	35.04 2.29 -6.45	33.59 2.05 -7.65	31.86 1.72 -8.61	31.89 1.56 -11.54	31.78 1.55 -13.03	31.95 1.66 -12.48	30.59 1.17 -17.82	33.70 2.16 -9.54	37.30 2.47 -9.12	35.49 3.22 -0.69	38.28 3.51 -0.02	40.46 3.55 0.01	45.14 3.73 0.01	43.44 3.65 0.78	43.09 4.17 3.60	50.60 4.39 -5.17	54.91 4.46 -8.40	55.74 4.65 -8.04	46.59 3.84 -3.14	42.26 3.57 -1.48	40.19 3.54 -0.88	37.91 3.49 -1.12	34.69 3.15 -1.29
RCPL_TRUST___DRP 24196	37.78 2.45 -5.03	34.96 2.21 -6.45	33.52 1.98 -7.65	31.82 1.68 -8.61	31.84 1.50 -11.54	31.72 1.50 -13.03	31.89 1.60 -12.48	30.55 1.14 -17.81	33.62 2.09 -9.53	37.25 2.42 -9.12	35.42 3.16 -0.68	38.18 3.41 -0.02	40.36 3.43 0.00	44.90 3.48 0.00	44.34 3.77 0.00	47.47 4.08 -0.87	54.05 4.31 -8.71	58.43 4.37 -12.00	58.40 4.56 -10.79	46.63 3.88 -3.14	42.30 3.61 -1.49	40.16 3.50 -0.89	37.69 3.26 -1.13	34.53 3.00 -1.28
RED___ROCHESTER 323720	31.05 0.21 -0.55	27.36 0.32 -0.74	25.03 0.26 -0.88	22.71 0.19 -0.99	20.48 0.36 -1.33	19.72 0.36 -2.16	20.20 0.32 -2.07	14.79 0.24 -2.95	24.29 0.70 -1.58	28.22 1.00 -1.51	31.46 0.50 0.62	35.54 0.80 0.02	37.22 0.29 0.00	41.71 0.29 0.00	41.38 0.81 0.00	42.11 0.38 0.79	41.18 1.27 1.13	41.82 1.26 1.49	40.29 2.32 5.08	38.32 1.59 2.88	37.41 1.56 1.36	36.42 1.47 0.81	33.56 1.30 1.03	30.57 1.27 0.96
REGAN___SOLAR 323812	49.90 4.24 -15.37	39.57 3.44 -9.82	38.51 2.99 -11.65	37.29 2.65 -13.11	38.45 2.09 -17.56	39.11 2.23 -19.68	38.99 2.28 -18.90	40.13 1.43 -27.11	39.89 3.01 -14.87	43.41 3.57 -14.13	38.85 4.42 -2.85	40.00 5.18 -0.07	42.03 4.98 -0.13	46.93 5.51 0.00	46.69 5.97 -0.16	52.83 6.59 -3.72	67.89 7.02 -19.84	76.91 7.57 -27.29	86.32 8.52 -34.75	61.10 7.61 -13.88	51.04 7.15 -6.68	46.37 6.55 -4.06	43.54 5.53 -4.72	39.89 4.81 -4.82
RENSSELAER___COGEN 23796	40.64 1.09 -9.26	34.53 0.97 -7.26	33.55 0.86 -8.81	33.33 0.77 -11.02	33.85 0.70 -14.36	33.94 0.71 -16.04	32.98 0.73 -14.44	30.92 0.49 -18.84	27.46 0.97 -4.49	32.88 1.16 -6.01	34.83 1.36 -1.90	36.29 1.49 -0.05	36.25 1.26 1.93	42.62 1.20 0.00	39.56 1.34 2.34	44.99 1.57 -0.89	52.28 1.80 -9.44	55.04 1.85 -11.14	45.94 2.11 -0.79	38.67 1.74 2.68	35.80 1.56 2.97	34.63 1.54 2.67	37.97 1.53 -3.15	34.95 1.42 -3.27
REPUBLIC_115KV_BARTNBRK 55605	53.09 5.03 -17.77	39.83 4.18 -9.34	38.47 3.65 -10.93	36.18 3.14 -11.51	37.25 2.74 -15.71	37.46 2.58 -17.69	38.02 2.60 -17.61	39.72 1.67 -26.46	44.07 3.78 -18.28	46.65 4.70 -16.23	40.61 5.87 -3.17	41.61 6.78 -0.08	44.92 6.57 -1.42	48.63 7.21 0.00	49.92 7.63 -1.73	55.87 8.21 -5.14	72.40 8.04 -23.32	83.70 8.41 -33.24	104.77 9.69 -52.04	71.07 8.44 -23.02	57.46 8.11 -12.15	51.24 7.55 -7.93	44.93 6.39 -5.24	41.20 5.66 -5.28

REVERE_CPDR_DRP 24186	31.47 1.18 0.00	27.53 0.92 -0.31	25.01 0.76 -0.36	22.61 0.67 -0.41	19.80 0.45 -0.55	19.21 0.64 -1.38	19.79 0.66 -1.32	13.91 0.43 -1.89	23.98 0.97 -1.01	27.86 1.18 -0.97	32.08 1.29 0.79	36.23 1.49 0.02	38.22 1.29 0.00	43.12 1.70 0.00	42.15 1.58 0.00	43.35 1.83 1.00	41.13 2.17 2.08	41.58 2.31 2.79	39.06 2.88 6.87	38.24 2.26 3.63	37.61 2.12 1.72	36.67 1.93 1.03	33.72 1.73 1.31	30.45 1.42 1.23
REYNOLDS_115KV_TB3 80639	40.97 1.30 -9.38	34.45 1.18 -6.97	33.46 1.05 -8.53	33.51 0.95 -11.03	33.89 0.85 -14.25	33.94 0.84 -15.90	32.70 0.85 -14.03	29.90 0.58 -17.72	25.36 1.14 -2.22	31.42 1.36 -4.35	35.14 1.55 -2.02	36.51 1.70 -0.05	36.01 1.59 2.50	42.87 1.45 0.00	39.27 1.74 3.04	45.02 1.91 -0.58	51.46 2.13 -8.29	53.25 2.19 -9.00	40.58 2.41 4.88	36.10 2.06 5.57	34.23 1.86 4.84	33.56 1.86 4.06	38.43 1.80 -3.34	35.37 1.66 -3.45
RIVERBAY____ 323610	38.30 2.97 -5.04	35.47 2.71 -6.46	33.98 2.44 -7.66	32.24 2.09 -8.62	32.11 1.77 -11.55	32.09 1.86 -13.04	32.25 1.96 -12.48	30.78 1.36 -17.82	34.00 2.46 -9.54	37.72 2.88 -9.13	35.93 3.66 -0.69	38.84 4.07 -0.02	41.07 4.14 -0.01	45.74 4.31 -0.01	45.20 4.62 -0.01	48.37 4.97 -0.87	54.88 5.13 -8.72	59.36 5.30 -12.01	59.40 5.55 -10.80	47.39 4.63 -3.14	42.97 4.28 -1.49	40.99 4.33 -0.90	38.39 3.96 -1.14	35.18 3.63 -1.29
RIVERSIDE_115KV_TB3 55908	41.46 1.24 -9.93	34.62 1.10 -7.22	33.67 1.00 -8.78	33.49 0.88 -11.08	33.99 0.79 -14.40	34.07 0.79 -16.08	33.01 0.80 -14.40	30.79 0.55 -18.65	27.03 1.10 -3.93	32.64 1.31 -5.62	35.16 1.52 -2.07	36.51 1.70 -0.05	36.35 1.51 2.08	42.83 1.41 0.00	39.74 1.70 2.53	45.37 1.87 -0.98	52.76 2.09 -9.63	55.44 2.14 -11.24	45.98 2.41 -0.53	38.78 2.02 2.85	35.85 1.82 3.18	34.68 1.79 2.87	38.45 1.73 -3.42	35.39 1.60 -3.53
ROARING__BROOK_WT_PWR 323790	29.99 -0.30 0.00	26.06 -0.24 0.00	23.67 -0.22 0.00	21.34 -0.19 0.00	18.59 -0.21 0.00	17.84 -0.07 -0.71	18.42 -0.07 -0.68	12.52 -0.05 -0.97	22.46 -0.07 -0.52	26.16 -0.05 -0.50	30.77 -0.13 0.68	34.60 -0.14 0.02	36.78 -0.15 0.00	41.26 -0.17 0.00	40.41 -0.16 0.00	41.49 -0.17 0.86	38.84 -0.16 2.03	39.16 -0.17 2.73	36.87 -0.09 6.09	36.37 -0.12 3.13	35.62 -0.11 1.48	34.73 -0.14 0.89	32.04 -0.13 1.13	29.04 -0.15 1.07
ROCHESRG_115KV_T4 355643	30.71 -0.12 -0.54	27.06 0.03 -0.74	24.76 0.00 -0.87	22.47 -0.04 -0.98	20.26 0.15 -1.32	19.55 0.21 -2.15	20.03 0.16 -2.06	14.66 0.13 -2.94	24.06 0.48 -1.57	27.88 0.67 -1.50	30.98 0.03 0.63	35.05 0.31 0.02	36.70 -0.22 0.00	41.67 0.25 0.00	40.41 -0.16 0.00	41.56 -0.17 0.79	40.67 0.78 1.14	41.31 0.76 1.51	39.75 1.81 5.10	37.76 1.03 2.88	36.89 1.04 1.36	35.95 1.00 0.82	33.09 0.83 1.04	30.14 0.85 0.96
ROCHESTER_9_IC 23652	30.93 0.09 -0.55	27.23 0.18 -0.74	24.91 0.14 -0.88	22.61 0.09 -0.99	20.39 0.26 -1.33	19.65 0.29 -2.16	20.13 0.25 -2.07	14.75 0.20 -2.95	24.20 0.62 -1.58	28.07 0.85 -1.51	31.20 0.25 0.62	35.29 0.56 0.02	36.96 0.04 0.00	42.00 0.58 0.00	40.69 0.12 0.00	41.90 0.17 0.79	40.97 1.07 1.13	41.62 1.05 1.49	40.07 2.11 5.08	38.05 1.31 2.88	37.19 1.34 1.36	36.24 1.29 0.81	33.32 1.07 1.03	30.36 1.06 0.96
ROCKVIEW_13_KV_LD 356306	37.78 2.45 -5.03	34.94 2.18 -6.45	33.49 1.96 -7.65	31.82 1.68 -8.61	31.84 1.50 -11.54	31.72 1.50 -13.03	31.87 1.59 -12.48	30.54 1.12 -17.82	33.60 2.07 -9.53	37.25 2.42 -9.12	35.42 3.16 -0.68	38.18 3.41 -0.02	40.39 3.47 0.00	44.94 3.52 0.00	44.38 3.81 0.00	47.51 4.12 -0.87	54.18 4.43 -8.71	58.60 4.54 -12.00	58.57 4.73 -10.79	46.79 4.04 -3.14	42.38 3.68 -1.49	40.23 3.58 -0.89	37.75 3.33 -1.13	34.56 3.03 -1.28
ROME____115KV_TB2 80656	31.47 1.18 0.00	27.53 0.92 -0.31	25.01 0.76 -0.36	22.61 0.67 -0.41	19.80 0.45 -0.55	19.21 0.64 -1.38	19.79 0.66 -1.32	13.91 0.43 -1.89	23.98 0.97 -1.01	27.86 1.18 -0.97	32.08 1.29 0.79	36.23 1.49 0.02	38.22 1.29 0.00	43.12 1.70 0.00	42.15 1.58 0.00	43.35 1.83 1.00	41.13 2.17 2.08	41.58 2.31 2.79	39.06 2.88 6.87	38.24 2.26 3.63	37.61 2.12 1.72	36.67 1.93 1.03	33.72 1.73 1.31	30.45 1.42 1.23
ROSETON__1 23587	37.20 1.91 -5.00	34.46 1.71 -6.45	33.06 1.53 -7.65	31.48 1.34 -8.61	31.52 1.18 -11.53	31.43 1.20 -13.03	31.53 1.25 -12.47	30.29 0.88 -17.81	33.13 1.61 -9.53	36.71 1.88 -9.12	34.62 2.37 -0.67	37.34 2.57 -0.02	39.47 2.55 0.00	44.08 2.65 0.00	43.20 2.64 0.00	46.40 3.02 -0.86	53.00 3.28 -8.68	57.39 3.37 -11.97	57.34 3.57 -10.73	45.73 3.01 -3.11	41.47 2.79 -1.47	39.40 2.75 -0.88	37.01 2.60 -1.12	33.86 2.33 -1.27
ROSETON__2 23588	37.20 1.91 -5.00	34.46 1.71 -6.45	33.06 1.53 -7.65	31.48 1.34 -8.61	31.52 1.18 -11.53	31.43 1.20 -13.03	31.53 1.25 -12.47	30.29 0.88 -17.81	33.13 1.61 -9.53	36.71 1.88 -9.12	34.62 2.37 -0.67	37.34 2.57 -0.02	39.47 2.55 0.00	44.08 2.65 0.00	43.20 2.64 0.00	46.40 3.02 -0.86	53.00 3.28 -8.68	57.39 3.37 -11.97	57.34 3.57 -10.73	45.73 3.01 -3.11	41.47 2.79 -1.47	39.40 2.75 -0.88	37.01 2.60 -1.12	33.86 2.33 -1.27
ROTTDAM_115KV_TB3 80664	49.39 1.61 -17.49	36.49 1.39 -8.79	35.56 1.27 -10.41	34.30 1.12 -11.65	35.42 1.00 -15.63	35.74 1.00 -17.54	35.71 1.03 -16.86	36.47 0.66 -24.22	36.72 1.34 -13.38	39.98 1.59 -12.68	36.78 1.89 -3.31	36.95 2.12 -0.08	39.10 2.03 -0.15	43.49 2.07 0.00	43.02 2.27 -0.18	49.35 2.51 -4.32	64.20 2.71 -20.45	72.93 2.78 -28.09	84.69 3.14 -38.51	58.41 2.69 -16.10	47.49 2.53 -7.75	42.90 2.43 -4.71	40.97 2.20 -5.48	37.77 2.00 -5.51
RUSSELL__1 23602	31.08 0.24 -0.55	27.36 0.32 -0.74	25.03 0.26 -0.88	22.71 0.19 -0.99	20.48 0.36 -1.33	19.72 0.36 -2.16	20.20 0.32 -2.07	14.79 0.24 -2.95	24.29 0.70 -1.58	28.22 1.00 -1.51	31.39 0.44 0.62	35.54 0.80 0.02	37.22 0.30 0.00	42.29 0.87 0.00	40.97 0.41 0.00	42.20 0.47 0.79	41.22 1.31 1.13	41.87 1.30 1.49	40.33 2.37 5.08	38.32 1.58 2.88	37.45 1.60 1.36	36.49 1.54 0.81	33.52 1.27 1.03	30.54 1.24 0.96
RUSSELL__2 23532	31.08 0.24 -0.55	27.36 0.32 -0.74	25.03 0.26 -0.88	22.71 0.19 -0.99	20.48 0.36 -1.33	19.72 0.36 -2.16	20.20 0.32 -2.07	14.79 0.24 -2.95	24.29 0.70 -1.58	28.22 1.00 -1.51	31.39 0.44 0.62	35.54 0.80 0.02	37.22 0.30 0.00	42.29 0.87 0.00	40.97 0.41 0.00	42.20 0.47 0.79	41.22 1.31 1.13	41.87 1.30 1.49	40.33 2.37 5.08	38.32 1.58 2.88	37.45 1.60 1.36	36.49 1.54 0.81	33.52 1.27 1.03	30.54 1.24 0.96
RUSSELL__3 23549	31.08 0.24 -0.55	27.36 0.32 -0.74	25.03 0.26 -0.88	22.71 0.19 -0.99	20.48 0.36 -1.33	19.72 0.36 -2.16	20.20 0.32 -2.07	14.79 0.24 -2.95	24.29 0.70 -1.58	28.22 1.00 -1.51	31.39 0.44 0.62	35.54 0.80 0.02	37.22 0.30 0.00	42.29 0.87 0.00	40.97 0.41 0.00	42.20 0.47 0.79	41.22 1.31 1.13	41.87 1.30 1.49	40.33 2.37 5.08	38.32 1.58 2.88	37.45 1.60 1.36	36.49 1.54 0.81	33.52 1.27 1.03	30.54 1.24 0.96

RUSSELL___4 23556	31.08 0.24 -0.55	27.36 0.32 -0.74	25.03 0.26 -0.88	22.71 0.19 -0.99	20.48 0.36 -1.33	19.72 0.36 -2.16	20.20 0.32 -2.07	14.79 0.24 -2.95	24.29 0.70 -1.58	28.22 1.00 -1.51	31.39 0.44 0.62	35.54 0.80 0.02	37.22 0.30 0.00	42.29 0.87 0.00	40.97 0.41 0.00	42.20 0.47 0.79	41.22 1.31 1.13	41.87 1.30 1.49	40.33 2.37 5.08	38.32 1.58 2.88	37.45 1.60 1.36	36.49 1.54 0.81	33.52 1.27 1.03	30.54 1.24 0.96
RUSSELL___STATION 23914	31.08 0.24 -0.55	27.36 0.32 -0.74	25.03 0.26 -0.88	22.71 0.19 -0.99	20.48 0.36 -1.33	19.72 0.36 -2.16	20.20 0.32 -2.07	14.79 0.24 -2.95	24.29 0.70 -1.58	28.22 1.00 -1.51	31.39 0.44 0.62	35.54 0.80 0.02	37.22 0.30 0.00	42.29 0.87 0.00	40.97 0.41 0.00	42.20 0.47 0.79	41.22 1.31 1.13	41.87 1.30 1.49	40.33 2.37 5.08	38.32 1.58 2.88	37.45 1.60 1.36	36.49 1.54 0.81	33.52 1.27 1.03	30.54 1.24 0.96
S SALMON___HYD 24043	29.96 -0.33 0.00	26.40 -0.34 -0.44	24.05 -0.36 -0.52	21.81 -0.30 -0.59	19.34 -0.24 -0.79	18.61 -0.12 -1.53	19.15 -0.12 -1.47	13.62 -0.07 -2.09	23.06 -0.07 -1.12	26.71 -0.08 -1.07	30.68 -0.25 0.64	34.49 -0.24 0.02	36.41 -0.52 0.00	40.84 -0.58 0.00	40.16 -0.41 0.00	41.32 -0.38 0.82	39.53 0.00 1.51	40.13 0.08 2.01	38.21 0.65 5.48	37.00 0.36 2.97	36.14 0.33 1.40	35.14 0.22 0.84	32.36 0.13 1.07	29.32 0.06 1.00
S.PERRY___115KV_TB1 80734	32.30 1.18 -0.82	28.34 1.00 -1.04	25.97 0.86 -1.23	23.63 0.71 -1.39	21.44 0.79 -1.86	20.71 0.79 -2.72	21.16 0.75 -2.61	15.81 0.49 -3.72	25.05 1.06 -1.99	28.54 0.93 -1.91	31.28 0.25 0.55	35.23 0.49 0.01	36.85 -0.07 0.00	41.71 0.29 0.00	40.57 0.00 0.00	41.83 0.00 0.69	41.52 1.07 0.58	42.74 1.43 0.74	41.94 3.06 4.16	39.95 2.85 2.51	39.03 3.01 1.19	37.95 2.90 0.71	34.89 2.50 0.90	31.70 2.27 0.83
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	30.71 -0.33 -0.75	26.97 -0.29 -0.96	24.83 -0.19 -1.14	22.56 -0.26 -1.29	20.59 0.08 -1.72	19.95 0.17 -2.58	20.35 0.07 -2.47	15.21 0.08 -3.53	24.26 0.37 -1.89	28.03 0.51 -1.81	30.79 -0.22 0.57	34.88 0.14 0.01	36.26 -0.66 0.00	41.34 -0.08 0.00	40.00 -0.57 0.00	41.12 -0.68 0.72	40.68 0.37 0.73	41.46 0.34 0.94	40.36 1.72 4.40	38.11 1.11 2.61	37.05 1.08 1.24	36.06 1.04 0.74	33.29 0.93 0.94	30.37 0.97 0.86
SAWYER___23_KV_LOAD 55526	30.71 -0.33 -0.75	26.97 -0.29 -0.96	24.83 -0.19 -1.14	22.56 -0.26 -1.29	20.59 0.08 -1.72	19.95 0.17 -2.58	20.35 0.07 -2.47	15.21 0.08 -3.53	24.26 0.37 -1.89	28.03 0.51 -1.81	30.79 -0.22 0.57	34.88 0.14 0.01	36.26 -0.66 0.00	41.34 -0.08 0.00	40.00 -0.57 0.00	41.12 -0.68 0.72	40.68 0.37 0.73	41.46 0.34 0.94	40.36 1.72 4.40	38.11 1.11 2.61	37.05 1.08 1.24	36.06 1.04 0.74	33.29 0.93 0.94	30.37 0.97 0.86
SELKIRK___I 23801	40.05 1.42 -8.34	35.09 1.26 -7.52	34.05 1.12 -9.04	33.39 1.03 -10.83	33.98 0.92 -14.27	34.08 0.91 -15.97	33.49 0.93 -14.76	32.23 0.59 -20.04	30.66 1.19 -7.47	35.29 1.44 -8.15	34.83 1.67 -1.58	36.67 1.88 -0.04	37.35 1.55 1.12	43.00 1.57 0.00	40.91 1.70 1.36	45.55 1.92 -1.12	53.53 2.13 -10.36	57.46 2.23 -13.17	52.64 2.50 -7.10	42.36 2.14 -0.60	38.44 1.93 0.70	36.72 1.89 0.94	37.84 1.93 -2.61	34.76 1.75 -2.75
SELKIRK___II 23799	40.09 1.18 -8.62	34.94 1.08 -7.56	33.94 0.96 -9.10	33.37 0.86 -10.97	34.00 0.77 -14.43	34.13 0.79 -16.15	33.47 0.80 -14.85	32.17 0.53 -20.04	30.09 1.06 -7.03	34.81 1.23 -7.86	34.69 1.45 -1.66	36.39 1.60 -0.04	36.80 1.15 1.27	42.50 1.08 0.00	40.24 1.22 1.54	45.03 1.40 -1.10	53.03 1.64 -10.35	56.80 1.72 -13.02	51.19 1.94 -6.21	41.30 1.59 -0.10	37.59 1.45 1.07	35.96 1.43 1.23	37.68 1.63 -2.75	34.62 1.48 -2.88
SENECA OSWGO___HYD 24041	29.87 -0.42 0.00	26.42 -0.37 -0.49	24.11 -0.36 -0.58	21.86 -0.32 -0.65	19.45 -0.22 -0.88	18.77 -0.07 -1.65	19.30 -0.09 -1.58	13.80 -0.05 -2.25	23.18 -0.02 -1.20	26.84 -0.03 -1.15	30.73 -0.19 0.65	34.56 -0.17 0.02	36.52 -0.41 0.00	40.88 -0.54 0.00	40.29 -0.28 0.00	41.35 -0.34 0.83	39.64 0.08 1.48	40.21 0.13 1.97	38.04 0.52 5.52	36.81 0.20 3.01	35.93 0.15 1.42	35.05 0.14 0.85	32.25 0.03 1.08	29.28 0.03 1.01
SENECA___115KV_TB3 355854	31.02 -0.06 -0.79	27.12 -0.18 -1.01	24.98 -0.10 -1.19	22.70 -0.17 -1.34	20.75 0.15 -1.80	20.08 0.22 -2.66	20.52 0.16 -2.55	15.39 0.15 -3.64	24.45 0.51 -1.95	28.22 0.64 -1.86	31.21 0.19 0.56	35.33 0.59 0.01	36.70 -0.22 0.00	41.80 0.37 0.00	40.53 -0.04 0.00	41.73 -0.09 0.71	41.09 0.70 0.65	41.98 0.76 0.83	40.80 2.02 4.27	38.68 1.62 2.56	37.49 1.49 1.21	36.50 1.47 0.73	33.67 1.30 0.92	30.66 1.24 0.84
SENECA___ENERGY 23797	30.94 0.06 -0.59	27.05 -0.03 -0.78	24.76 -0.05 -0.92	22.50 -0.06 -1.04	20.25 0.06 -1.39	19.59 0.17 -2.22	20.09 0.16 -2.12	14.76 0.13 -3.03	24.00 0.37 -1.62	27.73 0.46 -1.55	31.29 0.32 0.60	35.09 0.35 0.01	36.92 0.00 0.00	41.34 -0.08 0.00	40.85 0.29 0.00	41.93 0.17 0.76	40.75 0.74 1.02	41.55 0.84 1.34	39.80 1.59 4.84	38.00 1.15 2.77	36.94 1.04 1.31	35.91 0.93 0.78	33.10 0.80 1.00	30.06 0.72 0.92
SHOEMAKER___GT 23640	36.51 1.76 -4.46	33.55 1.52 -5.72	32.03 1.36 -6.78	30.33 1.16 -7.64	30.10 1.07 -10.23	29.86 1.07 -11.60	30.02 1.10 -11.11	28.21 0.75 -15.86	31.87 1.39 -8.48	35.45 1.62 -8.12	34.19 2.05 -0.56	37.02 2.26 -0.01	39.10 2.18 0.00	43.70 2.28 0.00	42.84 2.27 0.00	45.83 2.59 -0.71	51.50 2.87 -7.59	55.50 2.99 -10.46	55.44 3.23 -9.17	44.88 2.70 -2.58	40.96 2.53 -1.22	39.00 2.50 -0.73	36.52 2.30 -0.93	33.38 2.06 -1.06
SHOEMAKR_138KV_BK 111 55601	36.44 1.73 -4.42	33.50 1.53 -5.67	31.97 1.36 -6.72	30.26 1.16 -7.57	29.99 1.05 -10.14	29.76 1.07 -11.50	29.92 1.10 -11.01	28.07 0.75 -15.72	31.80 1.39 -8.41	35.38 1.62 -8.05	34.21 2.08 -0.55	37.06 2.29 -0.01	39.14 2.22 0.00	43.62 2.20 0.00	43.00 2.43 0.00	45.86 2.64 -0.70	51.46 2.91 -7.51	55.43 3.03 -10.35	55.32 3.23 -9.05	44.84 2.69 -2.54	40.94 2.53 -1.20	38.95 2.47 -0.72	36.50 2.30 -0.91	33.39 2.09 -1.05
SHOREHAM_IC_1 23715	43.10 3.79 -9.02	37.82 3.29 -8.23	36.72 2.96 -9.88	33.19 2.58 -9.07	33.15 2.29 -12.06	33.58 2.22 -14.16	33.07 2.44 -12.82	32.83 1.62 -19.61	39.28 3.19 -14.09	47.17 3.65 -17.81	44.21 4.20 -8.43	47.54 4.62 -8.17	60.21 4.54 -18.75	67.02 4.68 -20.92	85.37 4.66 -40.14	88.32 5.06 -40.74	151.38 5.33 -105.01	211.34 5.43 -163.86	158.76 5.64 -110.08	101.22 5.15 -56.45	81.47 4.99 -39.27	49.68 5.08 -8.84	49.95 4.90 -11.76	48.30 4.39 -13.66
SHOREHAM_IC_2 23716	43.10 3.79 -9.02	37.82 3.29 -8.23	36.72 2.96 -9.88	33.19 2.58 -9.07	33.15 2.29 -12.06	33.58 2.22 -14.16	33.07 2.44 -12.82	32.83 1.62 -19.61	39.28 3.19 -14.09	47.17 3.65 -17.81	44.21 4.20 -8.43	47.54 4.62 -8.17	60.21 4.54 -18.75	67.02 4.68 -20.92	85.37 4.66 -40.14	88.32 5.06 -40.74	151.38 5.33 -105.01	211.34 5.43 -163.86	158.76 5.64 -110.08	101.22 5.15 -56.45	81.47 4.99 -39.27	49.68 5.08 -8.84	49.95 4.90 -11.76	48.30 4.39 -13.66

SISSONVILLE____ 23735	29.20 -1.09 0.00	25.28 -1.03 0.00	22.93 -0.96 0.00	20.67 -0.86 0.00	17.80 -1.00 0.00	16.84 -0.88 -0.52	17.43 -0.87 -0.50	11.74 -0.57 -0.71	21.28 -1.10 -0.38	24.79 -1.29 -0.36	29.71 -1.52 0.35	32.97 -1.77 0.01	35.85 -1.07 0.00	40.43 -0.99 0.00	39.47 -1.10 0.00	40.89 -1.19 0.44	37.82 -2.26 0.96	38.53 -2.23 1.29	37.44 -2.54 3.06	35.91 -2.10 1.60	34.55 -1.90 0.76	33.41 -1.90 0.45	30.95 -1.76 0.58	28.08 -1.63 0.54
SITHE_IND_GS1 24169	29.44 -0.85 0.00	25.95 -0.74 -0.39	23.68 -0.67 -0.46	21.47 -0.58 -0.52	19.04 -0.45 -0.69	18.35 -0.29 -1.45	18.87 -0.32 -1.38	13.39 -0.19 -1.98	22.73 -0.33 -1.06	26.31 -0.41 -1.01	30.24 -0.66 0.67	34.04 -0.69 0.02	36.00 -0.92 0.00	40.35 -1.08 0.00	39.68 -0.89 0.00	40.69 -0.98 0.85	38.82 -0.57 1.65	39.27 -0.59 2.20	37.02 -0.26 5.77	36.05 -0.47 3.09	35.30 -0.44 1.46	34.42 -0.47 0.88	31.71 -0.47 1.11	28.79 -0.42 1.04
SITHE_IND_GS2 24170	29.44 -0.85 0.00	25.95 -0.74 -0.39	23.68 -0.67 -0.46	21.47 -0.58 -0.52	19.04 -0.45 -0.69	18.35 -0.29 -1.45	18.87 -0.32 -1.38	13.39 -0.19 -1.98	22.73 -0.33 -1.06	26.31 -0.41 -1.01	30.24 -0.66 0.67	34.04 -0.69 0.02	36.00 -0.92 0.00	40.35 -1.08 0.00	39.68 -0.89 0.00	40.69 -0.98 0.85	38.82 -0.57 1.65	39.27 -0.59 2.20	37.02 -0.26 5.77	36.05 -0.47 3.09	35.30 -0.44 1.46	34.42 -0.47 0.88	31.71 -0.47 1.11	28.79 -0.42 1.04
SITHE_IND_GS3 24171	29.44 -0.85 0.00	25.95 -0.74 -0.39	23.68 -0.67 -0.46	21.47 -0.58 -0.52	19.04 -0.45 -0.69	18.35 -0.29 -1.45	18.87 -0.32 -1.38	13.39 -0.19 -1.98	22.73 -0.33 -1.06	26.31 -0.41 -1.01	30.24 -0.66 0.67	34.04 -0.69 0.02	36.00 -0.92 0.00	40.35 -1.08 0.00	39.68 -0.89 0.00	40.69 -0.98 0.85	38.82 -0.57 1.65	39.27 -0.59 2.20	37.02 -0.26 5.77	36.05 -0.47 3.09	35.30 -0.44 1.46	34.42 -0.47 0.88	31.71 -0.47 1.11	28.79 -0.42 1.04
SITHE_IND_GS4 24172	29.44 -0.85 0.00	25.95 -0.74 -0.39	23.68 -0.67 -0.46	21.47 -0.58 -0.52	19.04 -0.45 -0.69	18.35 -0.29 -1.45	18.87 -0.32 -1.38	13.39 -0.19 -1.98	22.73 -0.33 -1.06	26.31 -0.41 -1.01	30.24 -0.66 0.67	34.04 -0.69 0.02	36.00 -0.92 0.00	40.35 -1.08 0.00	39.68 -0.89 0.00	40.69 -0.98 0.85	38.82 -0.57 1.65	39.27 -0.59 2.20	37.02 -0.26 5.77	36.05 -0.47 3.09	35.30 -0.44 1.46	34.42 -0.47 0.88	31.71 -0.47 1.11	28.79 -0.42 1.04
SITHE____BATAVIA 24024	31.28 0.33 -0.65	27.55 0.40 -0.85	25.23 0.33 -1.01	22.91 0.24 -1.14	20.76 0.43 -1.53	20.02 0.45 -2.37	20.47 0.39 -2.27	15.14 0.30 -3.25	24.53 0.79 -1.74	28.40 1.03 -1.66	31.39 0.41 0.60	35.50 0.76 0.01	37.00 0.07 0.00	41.34 -0.08 0.00	41.30 0.73 0.00	41.85 0.09 0.76	41.22 1.11 0.92	41.98 1.14 1.21	40.85 2.54 4.73	38.81 1.94 2.74	37.88 1.97 1.30	36.81 1.82 0.78	33.87 1.57 0.99	30.89 1.54 0.91
SITHE____INDEPEND 23800	29.44 -0.85 0.00	25.95 -0.74 -0.39	23.68 -0.67 -0.46	21.47 -0.58 -0.52	19.04 -0.45 -0.69	18.35 -0.29 -1.45	18.87 -0.32 -1.38	13.39 -0.19 -1.98	22.73 -0.33 -1.06	26.31 -0.41 -1.01	30.24 -0.66 0.67	34.04 -0.70 0.02	36.00 -0.92 0.00	40.43 -0.99 0.00	39.55 -1.01 0.00	40.69 -0.98 0.85	38.78 -0.62 1.65	39.27 -0.59 2.20	37.02 -0.26 5.77	36.04 -0.48 3.09	35.30 -0.45 1.46	34.42 -0.46 0.88	31.71 -0.47 1.11	28.79 -0.42 1.04
SITHE____MASSENA 23902	29.65 -0.64 0.00	25.70 -0.60 0.00	23.34 -0.55 0.00	21.03 -0.49 0.00	18.16 -0.64 0.00	16.97 -0.57 -0.34	17.57 -0.57 -0.33	11.69 -0.37 -0.47	21.48 -0.77 -0.25	25.05 -0.90 -0.24	30.24 -1.07 0.27	33.50 -1.25 0.01	36.33 -0.59 0.00	40.97 -0.45 0.00	39.96 -0.61 0.00	41.46 -0.72 0.34	38.58 -1.68 0.77	39.34 -1.68 1.03	38.65 -2.02 2.37	36.76 -1.63 1.23	35.17 -1.45 0.58	34.02 -1.40 0.35	31.59 -1.27 0.44	28.69 -1.15 0.42
SITHE____OGDNSBRG 24021	29.87 -0.42 0.00	25.83 -0.47 0.00	23.41 -0.48 0.00	21.12 -0.41 0.00	18.16 -0.64 0.00	17.08 -0.57 -0.45	17.69 -0.55 -0.43	11.84 -0.37 -0.61	21.60 -0.73 -0.33	25.18 -0.85 -0.31	30.28 -0.98 0.32	33.56 -1.18 0.01	36.48 -0.44 0.00	41.17 -0.25 0.00	40.12 -0.45 0.00	41.65 -0.47 0.40	38.55 -1.60 0.89	39.35 -1.51 1.19	38.44 -1.81 2.79	36.77 -1.39 1.46	35.29 -1.23 0.69	34.10 -1.25 0.41	31.60 -1.17 0.52	28.64 -1.12 0.50
SITHE____STERLING 23777	31.20 0.91 0.00	27.37 0.71 -0.36	24.91 0.60 -0.43	22.55 0.54 -0.48	19.83 0.40 -0.64	19.23 0.55 -1.48	19.79 0.57 -1.42	14.00 0.38 -2.02	23.94 0.86 -1.08	27.77 1.03 -1.04	31.93 1.14 0.78	36.02 1.29 0.02	37.99 1.07 0.00	42.71 1.29 0.00	41.95 1.38 0.00	43.06 1.53 0.99	40.93 1.89 1.99	41.37 1.98 2.67	38.86 2.54 6.73	38.02 1.98 3.57	37.38 1.86 1.69	36.43 1.68 1.01	33.47 1.46 1.29	30.29 1.24 1.21
SLEIGHT__34_KV_TB1 80719	31.72 0.88 -0.54	27.72 0.68 -0.73	25.30 0.55 -0.87	23.00 0.50 -0.98	20.59 0.49 -1.31	19.93 0.60 -2.13	20.45 0.61 -2.04	14.93 0.43 -2.91	24.57 1.01 -1.56	28.46 1.26 -1.49	32.29 1.33 0.62	36.30 1.56 0.02	38.25 1.33 0.00	43.16 1.74 0.00	42.11 1.54 0.00	43.48 1.74 0.78	42.14 2.22 1.12	42.98 2.40 1.47	41.13 3.10 5.01	39.08 2.30 2.84	38.06 2.20 1.34	37.00 2.04 0.80	34.01 1.73 1.02	30.86 1.54 0.95
SOUTH CAIRO____GT 23612	40.51 2.39 -7.82	35.74 2.26 -7.18	34.24 1.72 -8.63	33.36 1.48 -10.34	33.76 1.33 -13.63	33.76 1.29 -15.27	33.20 1.28 -14.11	31.64 0.91 -19.14	30.93 1.85 -7.08	35.80 2.34 -7.75	35.43 2.40 -1.46	37.60 2.81 -0.04	38.46 2.62 1.09	43.91 2.49 0.00	42.21 2.96 1.32	46.49 2.98 -0.99	53.94 3.20 -9.70	58.15 3.79 -12.30	53.56 4.35 -6.17	43.65 3.77 -0.27	39.87 3.50 0.83	38.09 3.33 1.00	38.47 2.76 -2.42	35.29 2.48 -2.55
SOUTH HAMPTN____IC 23720	43.83 4.51 -9.02	38.43 3.89 -8.23	37.25 3.49 -9.88	33.66 3.06 -9.07	33.60 2.74 -12.06	33.97 2.61 -14.16	33.46 2.83 -12.82	33.09 1.89 -19.61	39.85 3.76 -14.09	47.94 4.42 -17.81	45.07 5.27 -8.22	48.87 5.87 -8.25	61.06 5.91 -18.23	67.93 6.26 -20.25	85.55 6.21 -38.77	88.46 6.72 -39.22	149.14 6.94 -101.17	206.91 7.06 -157.79	156.52 7.36 -106.11	100.59 6.65 -54.33	81.19 6.21 -37.76	50.89 6.22 -8.91	50.67 5.86 -11.51	48.76 5.26 -13.24
SOUTHDOW_115KV_TB1 355954	31.86 0.70 -0.87	27.65 0.26 -1.09	25.53 0.36 -1.29	23.18 0.19 -1.45	21.23 0.49 -1.95	20.57 0.55 -2.82	21.03 0.52 -2.70	15.91 0.45 -3.86	25.10 1.03 -2.06	28.95 1.26 -1.98	32.37 1.33 0.53	36.51 1.77 0.01	37.96 1.03 0.00	42.96 1.53 0.00	41.83 1.26 0.00	43.20 1.36 0.68	42.35 1.81 0.49	43.41 1.98 0.62	42.09 3.06 4.01	40.05 2.89 2.46	38.72 2.68 1.16	37.61 2.54 0.70	34.67 2.26 0.88	31.45 2.00 0.80
SOUTHOLD_69_KV_BK 2 55809	44.74 5.42 -9.03	39.19 4.66 -8.23	37.94 4.18 -9.88	34.26 3.66 -9.07	34.09 3.23 -12.06	34.45 3.10 -14.16	33.96 3.33 -12.82	33.43 2.23 -19.61	40.58 4.49 -14.09	48.87 5.35 -17.81	46.37 6.57 -8.22	50.37 7.37 -8.25	62.66 7.50 -18.24	69.72 8.04 -20.26	87.51 8.15 -38.79	90.39 8.63 -39.24	151.06 8.82 -101.20	208.96 9.04 -157.86	158.58 9.38 -106.15	102.39 8.44 -54.34	82.69 7.70 -37.78	52.22 7.55 -8.91	51.87 7.06 -11.52	49.83 6.32 -13.24

SOUTHOLD___IC 23719	44.74 5.42 -9.02	39.19 4.66 -8.23	37.94 4.18 -9.88	34.24 3.64 -9.07	34.09 3.23 -12.06	34.45 3.09 -14.16	33.96 3.33 -12.82	33.43 2.23 -19.61	40.58 4.49 -14.09	48.87 5.35 -17.81	46.33 6.54 -8.22	50.37 7.37 -8.25	62.65 7.49 -18.24	69.80 8.12 -20.26	87.39 8.03 -38.79	90.39 8.63 -39.24	151.07 8.83 -101.21	208.91 9.00 -157.86	158.58 9.38 -106.15	102.40 8.44 -54.35	82.73 7.74 -37.78	52.29 7.62 -8.91	51.90 7.09 -11.52	49.80 6.29 -13.24
SPIERFLS_115KV_TB 1 80737	50.36 2.33 -17.74	37.53 1.95 -9.29	36.46 1.70 -10.88	34.54 1.49 -11.52	35.85 1.35 -15.70	36.14 1.27 -17.67	36.63 1.28 -17.53	38.65 0.82 -26.23	41.65 1.87 -17.77	43.81 2.24 -15.87	37.31 2.56 -3.18	37.79 2.95 -0.08	40.95 2.73 -1.29	44.28 2.86 0.00	45.34 3.20 -1.57	51.11 3.53 -5.06	67.55 3.49 -23.03	78.42 3.66 -32.71	98.21 4.52 -50.65	65.80 3.88 -22.30	52.96 4.06 -11.69	47.15 3.79 -7.60	41.79 3.23 -5.27	38.41 2.84 -5.31
ST LAWRENCE____ 23600	29.54 -0.76 0.00	25.62 -0.68 0.00	23.26 -0.62 0.00	20.99 -0.54 0.00	18.16 -0.64 0.00	16.94 -0.57 -0.31	17.53 -0.57 -0.29	11.63 -0.38 -0.42	21.46 -0.77 -0.22	25.00 -0.92 -0.21	30.28 -1.04 0.25	33.56 -1.18 0.01	36.08 -0.85 0.00	40.59 -0.83 0.00	39.59 -0.97 0.00	41.14 -1.06 0.32	38.71 -1.60 0.73	39.44 -1.64 0.98	38.79 -2.02 2.23	36.87 -1.59 1.16	35.21 -1.45 0.55	34.00 -1.43 0.33	31.58 -1.30 0.42	28.68 -1.18 0.39
STATE_CA_115KV_115_LB 55624	42.77 1.30 -11.18	34.97 1.13 -7.54	34.00 1.00 -9.11	33.61 0.90 -11.17	34.23 0.81 -14.63	34.36 0.81 -16.36	33.53 0.82 -14.90	31.94 0.55 -19.80	29.08 1.12 -5.95	34.17 1.34 -7.12	35.44 1.61 -2.25	36.62 1.81 -0.06	36.95 1.62 1.60	42.96 1.53 0.00	40.45 1.83 1.94	46.12 2.00 -1.60	54.93 2.22 -11.67	58.81 2.27 -14.48	53.58 2.54 -7.99	42.64 2.14 -0.89	38.15 1.93 0.99	36.32 1.90 1.33	38.82 1.80 -3.73	35.72 1.63 -3.83
STATE_ST_34_KV_LOAD 55959	31.27 0.39 -0.58	27.31 0.24 -0.77	24.96 0.17 -0.91	22.71 0.15 -1.03	20.55 0.38 -1.37	19.74 0.34 -2.20	20.23 0.32 -2.10	14.83 0.23 -3.00	24.18 0.57 -1.61	27.94 0.69 -1.54	31.70 0.73 0.60	35.61 0.87 0.01	37.55 0.63 0.00	42.29 0.87 0.00	41.38 0.81 0.00	42.69 0.94 0.76	41.36 1.35 1.03	42.21 1.51 1.35	40.26 2.07 4.85	38.35 1.51 2.77	37.31 1.41 1.31	36.27 1.29 0.78	33.43 1.13 1.00	30.31 0.97 0.92
STATION 5_MISC_HYD 23604	30.90 0.06 -0.55	27.23 0.19 -0.74	24.91 0.14 -0.88	22.61 0.09 -0.99	20.39 0.26 -1.33	19.65 0.29 -2.16	20.13 0.25 -2.07	14.75 0.20 -2.95	24.20 0.62 -1.58	28.07 0.85 -1.51	31.27 0.32 0.62	35.29 0.55 0.02	37.00 0.07 0.00	41.42 0.00 0.00	41.14 0.57 0.00	41.86 0.13 0.79	40.93 1.03 1.13	41.53 0.97 1.49	40.03 2.07 5.08	38.04 1.31 2.88	37.19 1.34 1.36	36.20 1.25 0.81	33.36 1.10 1.03	30.39 1.09 0.96
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	31.11 0.27 -0.55	27.31 0.26 -0.74	24.95 0.19 -0.88	22.67 0.15 -0.99	20.37 0.24 -1.32	19.66 0.31 -2.15	20.16 0.28 -2.06	14.76 0.22 -2.94	24.22 0.64 -1.57	28.12 0.90 -1.51	31.52 0.57 0.62	35.50 0.76 0.02	37.29 0.37 0.00	42.21 0.79 0.00	41.01 0.45 0.00	42.29 0.55 0.79	41.15 1.23 1.12	41.88 1.30 1.48	40.19 2.20 5.05	38.22 1.47 2.86	37.31 1.45 1.35	36.35 1.39 0.81	33.46 1.20 1.03	30.39 1.09 0.95
STA_56_34_KV_BUS2_REV_LBMP_B 345033	30.74 -0.09 -0.54	27.06 0.03 -0.74	24.76 0.00 -0.87	22.47 -0.04 -0.98	20.24 0.13 -1.31	19.52 0.17 -2.15	19.99 0.12 -2.06	14.65 0.12 -2.94	24.03 0.46 -1.57	27.91 0.69 -1.50	31.08 0.13 0.63	35.15 0.42 0.02	36.85 -0.07 0.00	41.84 0.41 0.00	40.57 0.00 0.00	41.77 0.04 0.79	40.75 0.86 1.14	41.39 0.84 1.51	39.80 1.85 5.10	37.80 1.07 2.88	36.96 1.12 1.36	36.02 1.07 0.82	33.12 0.87 1.04	30.14 0.85 0.96
STA_56___34_KV_BUS2 355983	30.74 -0.09 -0.54	27.06 0.03 -0.74	24.76 0.00 -0.87	22.47 -0.04 -0.98	20.24 0.13 -1.31	19.52 0.17 -2.15	19.99 0.12 -2.06	14.65 0.12 -2.94	24.03 0.46 -1.57	27.91 0.69 -1.50	31.08 0.13 0.63	35.15 0.42 0.02	36.85 -0.07 0.00	41.84 0.41 0.00	40.57 0.00 0.00	41.77 0.04 0.79	40.75 0.86 1.14	41.39 0.84 1.51	39.80 1.85 5.10	37.80 1.07 2.88	36.96 1.12 1.36	36.02 1.07 0.82	33.12 0.87 1.04	30.14 0.85 0.96
STA_67___115KV_BK2 355882	30.84 0.00 -0.55	27.17 0.13 -0.74	24.86 0.10 -0.88	22.56 0.04 -0.99	20.35 0.23 -1.33	19.61 0.26 -2.16	20.09 0.21 -2.07	14.72 0.17 -2.95	24.13 0.55 -1.58	27.99 0.77 -1.51	31.11 0.16 0.62	35.19 0.45 0.02	36.85 -0.07 0.00	41.88 0.46 0.00	40.57 0.00 0.00	41.77 0.04 0.79	40.85 0.94 1.13	41.49 0.93 1.49	39.94 1.98 5.08	37.97 1.23 2.88	37.08 1.23 1.36	36.13 1.18 0.81	33.26 1.00 1.03	30.27 0.97 0.96
STA_7___115KV_9TRANS 80674	31.08 0.24 -0.55	27.36 0.32 -0.74	25.03 0.26 -0.88	22.71 0.19 -0.99	20.48 0.36 -1.33	19.72 0.36 -2.16	20.20 0.32 -2.07	14.79 0.24 -2.95	24.29 0.70 -1.58	28.22 1.00 -1.51	31.39 0.44 0.62	35.54 0.80 0.02	37.22 0.30 0.00	42.29 0.87 0.00	40.97 0.41 0.00	42.20 0.47 0.79	41.22 1.31 1.13	41.87 1.30 1.49	40.33 2.37 5.08	38.32 1.58 2.88	37.45 1.60 1.36	36.49 1.54 0.81	33.52 1.27 1.03	30.54 1.24 0.96
STA_82___115KV_TB1 80780	30.84 0.00 -0.55	27.18 0.13 -0.75	24.89 0.12 -0.88	22.59 0.06 -0.99	20.37 0.24 -1.33	19.64 0.28 -2.17	20.11 0.23 -2.07	14.73 0.17 -2.96	24.16 0.57 -1.58	28.02 0.80 -1.52	31.14 0.19 0.62	35.22 0.49 0.02	36.89 -0.04 0.00	41.88 0.46 0.00	40.61 0.04 0.00	41.77 0.04 0.79	40.90 0.98 1.13	41.54 0.97 1.48	40.00 2.02 5.07	37.97 1.23 2.87	37.11 1.27 1.36	36.17 1.22 0.81	33.26 1.00 1.03	30.30 1.00 0.96
STEEL___WIND 323596	30.96 -0.12 -0.79	27.10 -0.21 -1.01	24.96 -0.12 -1.19	22.68 -0.19 -1.34	20.73 0.13 -1.80	20.08 0.22 -2.66	20.50 0.14 -2.55	15.39 0.15 -3.64	24.43 0.48 -1.95	28.19 0.62 -1.86	31.21 0.19 0.56	35.29 0.55 0.01	36.70 -0.22 0.00	40.93 -0.50 0.00	41.02 0.45 0.00	41.56 -0.25 0.71	41.00 0.62 0.65	41.86 0.63 0.83	40.67 1.89 4.27	38.64 1.59 2.56	37.45 1.45 1.21	36.36 1.32 0.73	33.34 0.97 0.92	30.45 1.03 0.84
STEPHTWN_115KV_BK_2 55603	41.04 1.48 -9.26	34.85 1.29 -7.26	33.86 1.17 -8.81	33.58 1.03 -11.02	34.08 0.92 -14.36	34.17 0.93 -16.04	33.19 0.94 -14.44	31.06 0.63 -18.84	27.79 1.30 -4.49	33.29 1.57 -6.01	35.37 1.89 -1.90	36.92 2.12 -0.05	36.92 1.92 1.93	43.33 1.91 0.00	40.42 2.19 2.34	45.79 2.38 -0.89	52.94 2.46 -9.44	55.84 2.65 -11.14	46.76 2.93 -0.79	39.43 2.50 2.68	36.47 2.23 2.97	35.27 2.18 2.67	38.51 2.06 -3.15	35.40 1.88 -3.27
STEUBEN_REC_LFGE 323667	32.30 0.94 -1.07	28.21 0.60 -1.30	26.00 0.57 -1.54	23.72 0.45 -1.73	21.70 0.58 -2.32	21.09 0.67 -3.22	21.55 0.66 -3.08	16.47 0.48 -4.40	25.46 1.10 -2.35	29.27 1.31 -2.25	32.36 1.26 0.48	36.24 1.49 0.01	37.88 0.96 0.00	42.91 1.49 0.00	41.79 1.22 0.00	43.24 1.32 0.60	42.87 1.93 0.10	44.17 2.19 0.07	43.11 3.40 3.33	40.32 2.89 2.19	38.89 2.72 1.04	37.72 2.57 0.62	34.87 2.36 0.79	31.67 2.12 0.71

STONY___BROOK 24151	43.04 3.72 -9.02	37.74 3.21 -8.23	36.65 2.89 -9.88	33.10 2.50 -9.07	33.13 2.27 -12.06	33.53 2.17 -14.16	32.95 2.31 -12.82	32.78 1.58 -19.61	39.15 3.06 -14.09	47.09 3.55 -17.83	45.28 4.07 -9.63	46.27 4.20 -7.31	62.82 4.21 -21.69	70.59 4.47 -24.70	92.87 4.42 -47.88	96.75 4.93 -49.30	172.98 5.17 -126.77	245.43 5.21 -198.16	180.93 5.38 -132.51	112.94 4.83 -68.50	89.48 4.46 -47.81	48.28 4.54 -7.97	50.89 4.63 -12.97	50.60 4.33 -16.01
STURGEON_POOL_HYD 23609	37.85 1.97 -5.59	34.57 1.76 -6.51	33.21 1.58 -7.75	31.73 1.33 -8.87	31.77 1.15 -11.83	31.74 1.20 -13.34	31.73 1.26 -12.66	30.42 0.97 -17.85	32.59 1.74 -8.85	36.43 2.03 -8.68	34.72 2.31 -0.84	37.31 2.54 -0.02	39.52 2.84 0.24	43.99 2.57 0.00	43.36 3.08 0.29	46.46 3.06 -0.88	53.28 3.45 -8.80	57.68 3.74 -11.88	56.59 3.96 -9.58	45.38 3.33 -2.44	41.24 3.09 -0.94	39.25 3.04 -0.45	37.12 2.43 -1.40	34.07 2.27 -1.54
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	36.80 1.91 -4.60	33.91 1.71 -5.90	32.40 1.53 -6.99	30.69 1.29 -7.87	30.47 1.13 -10.55	30.31 1.17 -11.94	30.47 1.23 -11.44	28.78 0.86 -16.33	32.30 1.56 -8.73	35.90 1.83 -8.36	34.53 2.37 -0.59	37.37 2.61 -0.01	39.47 2.55 0.00	43.91 2.49 0.00	43.33 2.76 0.00	46.29 3.02 -0.75	52.18 3.28 -7.86	56.29 3.41 -10.83	56.17 3.57 -9.56	45.34 3.01 -2.71	41.28 2.79 -1.28	39.28 2.75 -0.77	36.83 2.56 -0.98	33.70 2.33 -1.11
SWANROAD_115KV_TB1 355699	30.07 -0.94 -0.72	26.52 -0.71 -0.92	24.38 -0.60 -1.10	22.16 -0.60 -1.23	20.21 -0.24 -1.65	19.58 -0.12 -2.51	19.98 -0.23 -2.40	14.91 -0.12 -3.43	23.79 0.03 -1.83	27.49 0.03 -1.76	30.08 -0.92 0.58	34.15 -0.59 0.01	35.45 -1.48 0.00	40.51 -0.91 0.00	39.11 -1.46 0.00	40.17 -1.62 0.73	39.75 -0.49 0.80	40.48 -0.55 1.03	39.39 0.86 4.52	37.27 0.32 2.66	36.25 0.30 1.26	35.37 0.36 0.75	32.60 0.27 0.96	29.77 0.39 0.88
SYNERGY___BIOGAS 323694	31.28 0.33 -0.65	27.55 0.40 -0.85	25.23 0.33 -1.01	22.91 0.24 -1.14	20.76 0.43 -1.53	20.02 0.45 -2.37	20.47 0.39 -2.27	15.14 0.30 -3.25	24.53 0.79 -1.74	28.40 1.03 -1.66	31.39 0.41 0.60	35.50 0.76 0.01	37.00 0.07 0.00	41.34 -0.08 0.00	41.30 0.73 0.00	41.85 0.09 0.76	41.22 1.11 0.92	41.98 1.14 1.21	40.85 2.54 4.73	38.81 1.94 2.74	37.88 1.97 1.30	36.81 1.82 0.78	33.87 1.57 0.99	30.89 1.54 0.91
SYRACUSE___ENERGY_ST1 323597	30.32 0.03 0.00	26.92 0.00 -0.62	24.59 -0.02 -0.73	22.33 -0.02 -0.83	19.94 0.04 -1.11	19.28 0.17 -1.91	19.80 0.16 -1.83	14.34 0.13 -2.61	23.71 0.31 -1.40	27.43 0.39 -1.34	31.25 0.32 0.64	35.12 0.38 0.02	37.11 0.18 0.00	41.71 0.29 0.00	40.85 0.28 0.00	42.09 0.38 0.81	40.51 0.78 1.30	41.17 0.84 1.73	39.04 1.29 5.30	37.50 0.83 2.94	36.60 0.78 1.39	35.65 0.72 0.83	32.87 0.63 1.06	29.79 0.51 0.98
SYRACUSE___ENERGY_ST2 323598	30.32 0.03 0.00	26.92 0.00 -0.62	24.59 -0.02 -0.73	22.33 -0.02 -0.83	19.94 0.04 -1.11	19.28 0.17 -1.91	19.80 0.16 -1.83	14.34 0.13 -2.61	23.71 0.31 -1.40	27.43 0.39 -1.34	31.25 0.32 0.64	35.12 0.38 0.02	37.11 0.18 0.00	41.71 0.29 0.00	40.85 0.28 0.00	42.09 0.38 0.81	40.51 0.78 1.30	41.17 0.84 1.73	39.04 1.29 5.30	37.50 0.83 2.94	36.60 0.78 1.39	35.65 0.72 0.83	32.87 0.63 1.06	29.79 0.51 0.98
SYRACUSE___POWER 24017	30.72 -0.03 -0.46	26.89 -0.05 -0.65	24.58 -0.07 -0.77	22.33 -0.06 -0.86	19.95 0.00 -1.15	19.29 0.12 -1.97	19.82 0.12 -1.89	14.38 0.09 -2.69	23.71 0.26 -1.44	27.40 0.31 -1.38	31.12 0.19 0.64	35.01 0.28 0.02	36.96 0.04 0.00	41.55 0.12 0.00	40.69 0.12 0.00	41.92 0.21 0.81	40.37 0.62 1.28	41.03 0.67 1.70	38.90 1.16 5.31	37.37 0.71 2.95	36.48 0.67 1.40	35.53 0.61 0.84	32.73 0.50 1.06	29.66 0.39 0.99
TALLMAN___138KV_BK151 55660	37.18 2.12 -4.76	34.30 1.89 -6.11	32.82 1.70 -7.24	31.13 1.44 -8.16	31.02 1.30 -10.92	30.86 1.31 -12.36	31.01 1.37 -11.83	29.47 0.97 -16.90	32.82 1.78 -9.04	36.44 2.08 -8.65	34.88 2.68 -0.62	37.72 2.95 -0.02	39.84 2.92 0.00	44.24 2.82 0.00	43.73 3.16 0.00	46.71 3.40 -0.79	52.91 3.69 -8.18	57.11 3.78 -11.27	57.03 3.96 -10.03	45.81 3.33 -2.87	41.69 3.13 -1.36	39.65 3.08 -0.81	37.19 2.86 -1.03	34.07 2.63 -1.18
TEALLAVE_115KV_TB7 355573	30.14 -0.15 0.00	26.71 -0.13 -0.54	24.38 -0.14 -0.64	22.12 -0.13 -0.72	19.71 -0.06 -0.97	19.06 0.09 -1.78	19.58 0.07 -1.70	14.09 0.07 -2.43	23.50 0.20 -1.30	27.16 0.21 -1.24	30.97 0.06 0.67	34.87 0.14 0.02	36.81 -0.11 0.00	41.38 -0.04 0.00	40.53 -0.04 0.00	41.71 0.04 0.85	40.00 0.45 1.49	40.58 0.50 1.98	38.33 0.95 5.66	37.07 0.55 3.10	36.26 0.52 1.47	35.35 0.46 0.88	32.55 0.37 1.11	29.52 0.30 1.04
TELGRAPH_34_KV_EAST 80808	30.85 -0.12 -0.68	27.16 -0.03 -0.88	24.93 0.00 -1.04	22.64 -0.06 -1.18	20.56 0.19 -1.58	19.88 0.26 -2.43	20.31 0.18 -2.32	15.06 0.15 -3.32	24.28 0.51 -1.77	28.10 0.69 -1.70	30.96 -0.03 0.59	35.09 0.35 0.01	36.48 -0.44 0.00	41.67 0.25 0.00	40.20 -0.37 0.00	41.39 -0.38 0.75	40.82 0.66 0.88	41.54 0.63 1.14	40.46 2.07 4.65	38.29 1.39 2.71	37.30 1.38 1.28	36.32 1.32 0.77	33.45 1.13 0.97	30.54 1.18 0.90
TEMPLE___115KV_TB 2 55572	30.17 -0.12 0.00	26.75 -0.11 -0.55	24.42 -0.12 -0.65	22.15 -0.11 -0.73	19.74 -0.04 -0.98	19.09 0.10 -1.79	19.61 0.09 -1.71	14.11 0.07 -2.45	23.53 0.22 -1.31	27.19 0.23 -1.25	31.00 0.09 0.67	34.91 0.17 0.02	36.85 -0.07 0.00	41.42 0.00 0.00	40.57 0.00 0.00	41.75 0.09 0.85	40.06 0.49 1.47	40.64 0.55 1.96	38.44 1.03 5.64	37.12 0.59 3.09	36.27 0.52 1.46	35.39 0.50 0.87	32.58 0.40 1.11	29.55 0.33 1.04
TIANA___69_KV_BK 1 55817	43.59 4.27 -9.03	38.24 3.71 -8.23	37.10 3.34 -9.88	33.53 2.93 -9.07	33.45 2.59 -12.06	33.85 2.49 -14.16	33.34 2.71 -12.82	33.01 1.81 -19.61	39.68 3.59 -14.09	47.71 4.19 -17.81	44.79 4.99 -8.22	48.53 5.53 -8.25	60.66 5.50 -18.24	67.40 5.72 -20.26	85.28 5.92 -38.79	88.05 6.29 -39.24	148.75 6.52 -101.19	206.55 6.64 -157.85	156.08 6.89 -106.15	100.21 6.26 -54.34	80.83 5.84 -37.78	50.51 5.83 -8.91	50.37 5.56 -11.52	48.49 4.99 -13.24
TILDEN___115KV_TB1 80814	30.72 -0.03 -0.46	26.89 -0.05 -0.65	24.58 -0.07 -0.77	22.33 -0.06 -0.86	19.95 0.00 -1.15	19.29 0.12 -1.97	19.82 0.12 -1.89	14.38 0.09 -2.69	23.71 0.26 -1.44	27.40 0.31 -1.38	31.12 0.19 0.64	35.01 0.28 0.02	36.96 0.04 0.00	41.55 0.12 0.00	40.69 0.12 0.00	41.92 0.21 0.81	40.37 0.62 1.28	41.03 0.67 1.70	38.90 1.16 5.31	37.37 0.71 2.95	36.48 0.67 1.40	35.53 0.61 0.84	32.73 0.50 1.06	29.66 0.39 0.99
TRIGEN___CC 323695	42.13 2.82 -9.03	37.01 2.47 -8.23	36.00 2.25 -9.88	32.54 1.94 -9.07	32.59 1.73 -12.06	33.06 1.70 -14.16	32.43 1.80 -12.82	32.46 1.25 -19.61	38.42 2.33 -14.09	46.19 2.73 -17.75	38.08 3.38 -3.12	40.37 3.65 -1.97	46.32 3.66 -5.74	49.36 3.73 -4.21	50.48 4.02 -5.90	49.72 4.34 -2.86	54.39 4.64 -8.71	58.73 4.67 -12.01	58.66 4.82 -10.80	47.03 4.28 -3.14	42.64 3.94 -1.49	40.55 3.90 -0.89	38.14 3.70 -1.15	36.91 3.36 -3.30

TRINITY__115KV__4 BK 55933	41.02 1.15 -9.58	34.64 1.03 -7.31	33.66 0.91 -8.87	33.40 0.82 -11.05	33.94 0.73 -14.41	34.04 0.74 -16.11	33.09 0.75 -14.53	31.13 0.51 -19.03	27.78 1.01 -4.76	33.17 1.23 -6.22	34.96 1.42 -1.96	36.37 1.56 -0.05	36.46 1.40 1.87	42.71 1.28 0.00	39.88 1.58 2.27	45.28 1.74 -1.01	52.80 1.93 -9.83	55.80 2.02 -11.73	47.34 2.24 -2.06	39.46 1.90 2.06	36.30 1.71 2.62	35.01 1.68 2.43	38.17 1.63 -3.24	35.10 1.48 -3.36
UNION__PROCESSING_DRP 323587	30.87 0.03 -0.55	27.21 0.16 -0.75	24.89 0.12 -0.88	22.59 0.06 -1.00	20.38 0.24 -1.33	19.64 0.28 -2.17	20.12 0.23 -2.08	14.74 0.19 -2.96	24.16 0.57 -1.58	28.02 0.80 -1.52	31.14 0.19 0.62	35.22 0.49 0.02	36.89 -0.04 0.00	41.92 0.50 0.00	40.61 0.04 0.00	41.81 0.09 0.79	40.90 0.98 1.12	41.54 0.97 1.48	40.00 2.02 5.07	38.01 1.27 2.87	37.12 1.27 1.36	36.17 1.22 0.81	33.29 1.03 1.03	30.30 1.00 0.96
UPPER HUDSON__HYD 24058	50.36 2.33 -17.74	37.53 1.95 -9.29	36.46 1.70 -10.88	34.54 1.48 -11.52	35.85 1.35 -15.70	36.14 1.27 -17.67	36.63 1.28 -17.53	38.65 0.82 -26.23	41.65 1.87 -17.77	43.81 2.24 -15.87	37.35 2.59 -3.18	37.78 2.95 -0.08	40.95 2.73 -1.29	44.32 2.90 0.00	45.26 3.12 -1.57	51.07 3.49 -5.06	67.55 3.49 -23.03	78.38 3.62 -32.71	98.21 4.52 -50.65	65.80 3.88 -22.30	52.96 4.06 -11.69	47.12 3.75 -7.60	41.76 3.20 -5.27	38.38 2.81 -5.31
UPPER RAQUET__HYD 24056	29.20 -1.09 0.00	25.28 -1.03 0.00	22.93 -0.96 0.00	20.67 -0.86 0.00	17.80 -1.00 0.00	16.84 -0.88 -0.52	17.43 -0.87 -0.50	11.74 -0.57 -0.71	21.28 -1.10 -0.38	24.79 -1.28 -0.36	29.71 -1.52 0.35	32.97 -1.77 0.01	35.85 -1.07 0.00	40.47 -0.95 0.00	39.43 -1.14 0.00	40.89 -1.19 0.44	37.82 -2.26 0.96	38.53 -2.23 1.29	37.44 -2.54 3.06	35.91 -2.10 1.60	34.55 -1.90 0.76	33.41 -1.90 0.45	30.99 -1.73 0.58	28.08 -1.63 0.54
VALLEY44_115KV_TB2 355964	30.89 -0.30 -0.90	26.53 -0.89 -1.12	24.52 -0.69 -1.33	22.30 -0.73 -1.50	20.47 -0.34 -2.01	19.86 -0.22 -2.88	20.29 -0.28 -2.76	15.44 -0.10 -3.94	24.09 -0.02 -2.11	27.73 0.00 -2.02	31.21 0.16 0.53	35.19 0.45 0.01	36.59 -0.33 0.00	41.42 0.00 0.00	40.37 -0.20 0.00	41.68 -0.17 0.67	40.44 -0.16 0.43	41.40 -0.13 0.53	40.00 0.86 3.91	38.54 1.35 2.42	37.33 1.27 1.14	36.29 1.22 0.68	33.46 1.03 0.87	30.32 0.85 0.79
VALLEY__115KV_TB 1-4 80826	30.72 0.42 0.00	26.64 0.34 0.00	24.19 0.31 0.00	21.81 0.28 0.00	18.97 0.17 0.00	18.61 0.40 -1.02	19.22 0.43 -0.98	13.27 0.28 -1.40	23.39 0.64 -0.75	27.20 0.77 -0.72	31.49 0.85 0.94	35.67 0.94 0.02	37.66 0.74 0.00	42.29 0.87 0.00	41.46 0.89 0.00	42.31 0.98 1.19	39.57 1.31 2.78	39.67 1.35 3.73	36.34 1.68 8.38	36.49 1.19 4.31	36.25 1.08 2.04	35.58 1.04 1.22	32.74 1.00 1.55	29.69 0.91 1.47
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	35.84 1.91 -3.64	30.21 1.58 -2.33	28.06 1.41 -2.77	25.94 1.29 -3.12	24.10 1.13 -4.18	23.48 1.12 -5.17	23.93 1.18 -4.95	19.43 0.77 -7.07	27.39 1.61 -3.78	31.26 1.93 -3.62	34.09 2.34 -0.18	37.36 2.61 0.00	39.32 2.40 0.00	44.20 2.78 0.00	43.33 2.76 0.00	45.81 3.06 -0.23	47.54 3.36 -3.14	49.92 3.53 -4.34	50.54 4.05 -3.45	43.73 3.29 -0.83	40.65 3.05 -0.39	38.86 2.86 -0.24	36.22 2.63 -0.30	32.89 2.27 -0.36
VISCHER__FERRY HYD 24020	50.24 1.85 -18.10	38.25 1.60 -10.34	37.19 1.43 -11.87	34.10 1.29 -11.28	35.80 1.13 -15.88	36.28 1.12 -17.97	37.91 1.14 -18.96	42.83 0.75 -30.48	50.56 1.54 -27.02	50.12 1.83 -22.58	36.53 2.08 -2.87	37.15 2.33 -0.07	42.87 2.25 -3.69	43.74 2.32 0.00	47.49 2.43 -4.49	51.81 2.72 -6.57	72.27 2.91 -28.32	87.28 2.99 -42.24	122.22 3.36 -75.81	77.70 2.93 -35.15	59.81 2.71 -19.89	52.03 2.65 -13.62	40.45 2.40 -4.76	37.28 2.21 -4.82
V_A_10_SYNC_DSASP 323832	30.38 -0.55 -0.63	26.90 -0.24 -0.83	24.68 -0.19 -0.99	22.40 -0.24 -1.11	20.34 0.06 -1.49	19.67 0.14 -2.33	20.09 0.05 -2.23	14.85 0.07 -3.19	24.06 0.35 -1.70	27.83 0.49 -1.63	30.53 -0.44 0.60	34.60 -0.14 0.01	36.07 -0.85 0.00	41.09 -0.33 0.00	39.76 -0.81 0.00	40.86 -0.89 0.76	40.40 0.33 0.97	41.04 0.25 1.27	39.78 1.55 4.81	37.52 0.67 2.77	36.57 0.67 1.31	35.66 0.68 0.78	32.86 0.57 1.00	30.03 0.70 0.92
V_CMM_10_SYNC_DSASP 323787	29.69 -0.61 0.00	25.72 -0.58 0.00	23.38 -0.50 0.00	21.08 -0.45 0.00	18.23 -0.56 0.00	17.00 -0.50 -0.31	17.60 -0.50 -0.29	11.68 -0.34 -0.42	21.54 -0.68 -0.22	25.13 -0.80 -0.21	30.41 -0.92 0.25	33.67 -1.08 0.01	36.19 -0.74 0.00	40.76 -0.66 0.00	39.76 -0.81 0.00	41.27 -0.94 0.32	38.83 -1.48 0.73	39.57 -1.51 0.98	38.96 -1.85 2.23	36.99 -1.46 1.16	35.36 -1.30 0.55	34.15 -1.29 0.33	31.71 -1.17 0.42	28.80 -1.06 0.39
V_CMP_10_SYNC_DSASP 323788	30.23 -0.06 0.00	26.14 -0.16 0.00	23.77 -0.12 0.00	21.44 -0.09 0.00	18.61 -0.19 0.00	17.33 -0.17 -0.30	17.94 -0.16 -0.29	11.92 -0.09 -0.42	22.05 -0.18 -0.22	25.72 -0.21 -0.21	31.11 -0.22 0.25	34.40 -0.35 0.01	36.96 0.04 0.00	41.67 0.25 0.00	40.69 0.12 0.00	42.25 0.04 0.32	39.74 -0.57 0.73	40.58 -0.50 0.97	40.00 -0.82 2.23	37.95 -0.52 1.15	36.22 -0.44 0.54	34.94 -0.50 0.33	32.38 -0.50 0.41	29.41 -0.45 0.39
V_E_10_SYNC_DSASP 323830	35.19 2.91 -1.99	30.36 2.29 -1.77	27.94 1.96 -2.10	25.66 1.77 -2.36	23.31 1.35 -3.16	22.73 1.43 -4.10	23.25 1.51 -3.93	18.19 0.99 -5.61	27.12 2.11 -3.00	31.10 2.52 -2.87	34.21 2.87 0.24	37.91 3.16 0.01	39.88 2.95 0.00	44.94 3.52 0.00	44.10 3.53 0.00	46.13 3.91 0.30	46.64 4.43 -1.17	48.41 4.71 -1.65	48.14 5.90 0.81	43.39 4.87 1.09	41.23 4.54 0.52	39.57 4.11 0.31	36.60 3.70 0.39	33.09 3.15 0.31
V_F_30_NSYNC__DSASP 323816	50.43 2.33 -17.81	37.70 1.97 -9.42	36.66 1.77 -11.00	34.59 1.57 -11.49	35.93 1.41 -15.72	36.25 1.34 -17.71	36.88 1.35 -17.72	39.26 0.88 -26.78	42.86 1.87 -18.99	44.70 2.24 -16.75	37.37 2.65 -3.14	37.85 3.02 -0.08	41.45 2.92 -1.61	44.53 3.11 0.00	45.81 3.28 -1.95	51.40 3.61 -5.26	68.51 3.73 -23.74	79.87 3.83 -33.99	101.45 4.39 -54.01	67.44 3.80 -24.02	53.64 3.65 -12.78	47.63 3.47 -8.40	41.56 3.06 -5.21	38.26 2.75 -5.25
V_F_30_SYNC_DSASP 323786	42.64 1.30 -11.05	34.95 1.13 -7.52	33.98 1.00 -9.09	33.58 0.88 -11.16	34.20 0.79 -14.61	34.34 0.81 -16.34	33.50 0.82 -14.87	31.88 0.55 -19.74	28.96 1.10 -5.86	34.10 1.34 -7.05	35.42 1.61 -2.23	36.62 1.81 -0.06	36.93 1.62 1.62	42.96 1.53 0.00	40.43 1.83 1.97	46.07 2.00 -1.55	54.78 2.22 -11.53	58.59 2.27 -14.27	53.11 2.54 -7.53	42.41 2.14 -0.66	38.03 1.93 1.12	36.24 1.90 1.42	38.79 1.80 -3.69	35.68 1.63 -3.79
V_XM_10_SYNC_DSASP 323789	30.23 -0.06 0.00	26.14 -0.16 0.00	23.77 -0.12 0.00	21.44 -0.09 0.00	18.61 -0.19 0.00	17.33 -0.17 -0.30	17.94 -0.16 -0.29	11.92 -0.09 -0.42	22.05 -0.18 -0.22	25.72 -0.21 -0.21	31.11 -0.22 0.25	34.40 -0.35 0.01	36.96 0.04 0.00	41.67 0.25 0.00	40.69 0.12 0.00	42.25 0.04 0.32	39.74 -0.57 0.73	40.58 -0.50 0.97	40.00 -0.82 2.23	37.95 -0.52 1.15	36.22 -0.44 0.54	34.94 -0.50 0.33	32.38 -0.50 0.41	29.41 -0.45 0.39

W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	37.36 2.27 -4.80	34.46 2.00 -6.16	32.97 1.79 -7.30	31.28 1.53 -8.22	31.18 1.37 -11.01	31.02 1.38 -12.45	31.17 1.44 -11.92	29.63 1.01 -17.02	32.98 1.87 -9.10	36.61 2.19 -8.72	35.02 2.81 -0.63	37.86 3.09 -0.02	39.95 3.03 0.00	44.40 2.98 0.00	43.89 3.33 0.00	46.89 3.57 -0.80	53.15 3.86 -8.25	57.38 3.95 -11.37	57.31 4.13 -10.13	46.01 3.49 -2.91	41.86 3.27 -1.38	39.81 3.22 -0.82	37.34 3.00 -1.05	34.20 2.75 -1.19
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	37.78 2.45 -5.03	34.96 2.21 -6.45	33.52 1.98 -7.65	31.82 1.68 -8.61	31.84 1.50 -11.54	31.72 1.50 -13.03	31.89 1.60 -12.48	30.55 1.14 -17.81	33.62 2.09 -9.53	37.25 2.42 -9.12	35.42 3.16 -0.68	38.18 3.41 -0.02	40.36 3.43 0.00	44.90 3.48 0.00	44.34 3.77 0.00	47.47 4.08 -0.87	54.05 4.31 -8.71	58.43 4.37 -12.00	58.40 4.56 -10.79	46.63 3.88 -3.14	42.30 3.61 -1.49	40.16 3.50 -0.89	37.69 3.26 -1.13	34.53 3.00 -1.28
W50THST__13_KV_LOAD 356117	37.96 2.64 -5.03	35.12 2.37 -6.45	33.66 2.13 -7.65	31.95 1.81 -8.61	31.95 1.62 -11.54	31.84 1.62 -13.03	32.01 1.73 -12.48	30.63 1.22 -17.81	33.78 2.24 -9.53	37.43 2.60 -9.12	35.67 3.41 -0.68	38.45 3.68 -0.02	40.65 3.73 0.00	45.19 3.77 0.00	44.58 4.02 0.00	47.72 4.34 -0.87	54.30 4.56 -8.71	58.72 4.67 -12.00	58.66 4.82 -10.79	46.95 4.20 -3.14	42.56 3.87 -1.49	40.41 3.76 -0.89	37.85 3.43 -1.13	34.74 3.21 -1.28
WADING RIVER_IC_1 23522	43.10 3.79 -9.02	37.80 3.26 -8.23	36.72 2.96 -9.88	33.19 2.58 -9.07	33.15 2.29 -12.06	33.58 2.22 -14.16	33.07 2.44 -12.82	32.83 1.62 -19.61	39.28 3.19 -14.09	47.17 3.65 -17.81	44.02 4.23 -8.21	47.60 4.62 -8.22	59.67 4.54 -18.21	66.32 4.68 -20.22	83.94 4.66 -38.71	86.69 5.02 -39.16	147.32 5.30 -100.99	204.95 5.38 -157.51	154.53 5.55 -105.93	98.95 5.11 -54.23	79.85 4.95 -37.69	49.69 5.04 -8.88	49.64 4.86 -11.49	47.86 4.39 -13.22
WADING RIVER_IC_2 23547	43.10 3.79 -9.02	37.80 3.26 -8.23	36.72 2.96 -9.88	33.19 2.58 -9.07	33.15 2.29 -12.06	33.58 2.22 -14.16	33.07 2.44 -12.82	32.83 1.62 -19.61	39.28 3.19 -14.09	47.17 3.65 -17.81	44.02 4.23 -8.21	47.60 4.62 -8.22	59.67 4.54 -18.21	66.32 4.68 -20.22	83.94 4.66 -38.71	86.69 5.02 -39.16	147.32 5.30 -100.99	204.95 5.38 -157.51	154.53 5.55 -105.93	98.95 5.11 -54.23	79.85 4.95 -37.69	49.69 5.04 -8.88	49.64 4.86 -11.49	47.86 4.39 -13.22
WADING RIVER_IC_3 23601	43.10 3.79 -9.02	37.80 3.26 -8.23	36.72 2.96 -9.88	33.19 2.58 -9.07	33.15 2.29 -12.06	33.58 2.22 -14.16	33.07 2.44 -12.82	32.83 1.62 -19.61	39.28 3.19 -14.09	47.17 3.65 -17.81	44.02 4.23 -8.21	47.60 4.62 -8.22	59.67 4.54 -18.21	66.32 4.68 -20.22	83.94 4.66 -38.71	86.69 5.02 -39.16	147.32 5.30 -100.99	204.95 5.38 -157.51	154.53 5.55 -105.93	98.95 5.11 -54.23	79.85 4.95 -37.69	49.69 5.04 -8.88	49.64 4.86 -11.49	47.86 4.39 -13.22
WALDENNY_I2_KV_BK2 80841	30.99 -0.09 -0.78	27.11 -0.18 -1.00	24.97 -0.10 -1.18	22.69 -0.17 -1.33	20.71 0.13 -1.78	20.07 0.22 -2.65	20.50 0.16 -2.53	15.36 0.15 -3.62	24.44 0.51 -1.93	28.23 0.67 -1.85	31.14 0.13 0.56	35.29 0.56 0.01	36.66 -0.26 0.00	41.75 0.33 0.00	40.49 -0.08 0.00	41.68 -0.13 0.71	41.07 0.70 0.66	41.96 0.76 0.85	40.77 2.02 4.30	38.63 1.58 2.57	37.44 1.45 1.22	36.43 1.39 0.73	33.63 1.27 0.92	30.62 1.21 0.85
WALDEN___HYDRO 24148	37.47 2.30 -4.88	34.53 2.03 -6.20	33.01 1.77 -7.36	31.32 1.51 -8.28	31.23 1.33 -11.09	31.08 1.34 -12.54	31.19 1.37 -12.01	29.67 0.93 -17.15	32.87 1.69 -9.17	36.50 2.01 -8.78	34.78 2.56 -0.65	37.58 2.81 -0.02	39.66 2.73 0.00	44.28 2.86 0.00	43.41 2.84 0.00	46.62 3.27 -0.82	53.01 3.61 -8.36	57.31 3.74 -11.52	57.41 4.05 -10.32	46.04 3.44 -2.99	41.86 3.24 -1.41	39.76 3.15 -0.85	37.23 2.86 -1.07	34.05 2.57 -1.22
WARRENSBURG____ 23737	50.36 2.33 -17.74	37.53 1.95 -9.29	36.46 1.70 -10.88	34.54 1.48 -11.52	35.85 1.35 -15.70	36.14 1.27 -17.67	36.63 1.28 -17.53	38.65 0.82 -26.23	41.65 1.87 -17.77	43.81 2.24 -15.87	37.35 2.59 -3.18	37.78 2.95 -0.08	40.95 2.73 -1.29	44.32 2.90 0.00	45.26 3.12 -1.57	51.07 3.49 -5.06	67.55 3.49 -23.03	78.38 3.62 -32.71	98.21 4.52 -50.65	65.80 3.88 -22.30	52.96 4.06 -11.69	47.12 3.75 -7.60	41.76 3.20 -5.27	38.38 2.81 -5.31
WATERSIDE___6 8 9 23538	37.84 2.51 -5.03	35.04 2.29 -6.45	33.59 2.05 -7.65	31.89 1.74 -8.61	31.89 1.56 -11.54	31.77 1.55 -13.03	31.95 1.66 -12.48	30.59 1.17 -17.82	33.69 2.16 -9.54	37.30 2.47 -9.12	35.52 3.25 -0.69	38.28 3.51 -0.02	40.46 3.54 0.01	44.98 3.56 0.01	43.72 3.94 0.78	43.13 4.21 3.60	50.60 4.39 -5.17	54.95 4.50 -8.40	55.74 4.65 -8.04	46.59 3.84 -3.14	42.26 3.57 -1.48	40.22 3.58 -0.88	37.81 3.40 -1.12	34.66 3.12 -1.29
WATKINRD_115KV_LN8_ILLION 55919	30.56 0.27 0.00	26.54 0.24 0.00	24.10 0.21 0.00	21.72 0.19 0.00	18.95 0.15 0.00	18.56 0.34 -1.02	19.14 0.36 -0.98	13.23 0.23 -1.40	23.28 0.53 -0.75	27.07 0.64 -0.72	31.30 0.66 0.94	35.49 0.76 0.02	37.48 0.55 0.00	42.09 0.66 0.00	41.22 0.65 0.00	42.10 0.77 1.19	39.37 1.11 2.78	39.50 1.18 3.73	36.17 1.51 8.38	36.41 1.11 4.31	36.17 1.00 2.04	35.51 0.97 1.22	32.64 0.90 1.55	29.57 0.79 1.47
WATSON___69_KV_BK 1 55734	43.38 4.06 -9.03	38.03 3.50 -8.23	36.91 3.15 -9.88	33.34 2.73 -9.07	33.28 2.42 -12.06	33.71 2.36 -14.16	33.11 2.48 -12.82	32.89 1.68 -19.61	39.35 3.26 -14.09	47.30 3.81 -17.78	41.76 4.52 -5.67	53.37 4.93 -13.68	53.78 4.87 -11.98	58.66 5.01 -12.23	68.17 5.27 -22.33	69.25 5.70 -21.03	101.86 5.91 -54.91	132.89 5.97 -84.86	107.68 6.20 -58.43	73.88 5.55 -28.72	62.00 5.17 -19.62	56.06 5.26 -15.04	49.22 5.06 -10.86	43.26 4.63 -8.38
WDELAWARE___HYD 323627	37.36 2.45 -4.61	34.02 2.13 -5.59	32.38 1.86 -6.63	30.57 1.57 -7.47	30.09 1.30 -10.00	29.94 1.39 -11.35	30.10 1.43 -10.86	28.06 0.95 -15.51	32.02 1.72 -8.30	35.71 2.06 -7.94	34.76 2.59 -0.59	37.62 2.85 -0.01	39.69 2.77 0.00	44.41 2.98 0.00	43.57 3.00 0.00	46.71 3.44 -0.75	52.38 3.77 -7.58	56.45 3.95 -10.44	56.69 4.26 -9.38	45.94 3.60 -2.72	41.92 3.42 -1.29	39.86 3.33 -0.77	37.27 3.00 -0.98	34.03 2.66 -1.11
WEST BABYLON___IC 23714	43.13 3.82 -9.03	37.82 3.29 -8.23	36.72 2.96 -9.88	33.19 2.58 -9.07	33.13 2.27 -12.06	33.58 2.22 -14.16	32.97 2.33 -12.82	32.80 1.60 -19.61	39.15 3.06 -14.09	47.02 3.55 -17.76	39.57 4.26 -3.73	46.40 4.62 -7.03	48.75 4.58 -7.25	52.25 4.68 -6.14	55.37 4.95 -9.85	55.11 5.36 -7.23	66.45 5.58 -19.83	77.24 5.64 -29.54	71.16 5.85 -22.27	54.18 5.27 -9.30	47.93 4.87 -5.85	47.64 4.94 -6.94	42.79 4.83 -4.67	39.31 4.39 -4.67
WEST CANADA___HYD 24049	30.41 0.12 0.00	26.41 0.11 0.00	23.98 0.10 0.00	21.62 0.09 0.00	18.87 0.08 0.00	18.48 0.26 -1.02	19.06 0.27 -0.98	13.17 0.17 -1.40	23.12 0.37 -0.75	26.89 0.46 -0.72	31.08 0.44 0.94	35.25 0.52 0.02	37.22 0.29 0.00	41.71 0.29 0.00	40.97 0.41 0.00	41.80 0.47 1.19	39.08 0.82 2.78	39.16 0.84 3.73	35.87 1.20 8.38	36.17 0.87 4.31	35.95 0.78 2.04	35.29 0.75 1.22	32.41 0.67 1.55	29.39 0.60 1.47

WESTERN_NY_WIND 24143	31.26 0.30 -0.66	27.51 0.34 -0.86	25.22 0.31 -1.03	22.90 0.22 -1.15	20.76 0.41 -1.55	20.02 0.43 -2.39	20.48 0.37 -2.29	15.16 0.29 -3.27	24.52 0.77 -1.75	28.39 1.00 -1.68	31.36 0.38 0.59	35.47 0.73 0.01	36.92 0.00 0.00	41.26 -0.17 0.00	41.22 0.65 0.00	41.77 0.00 0.75	41.20 1.07 0.91	41.93 1.05 1.18	40.84 2.50 4.70	38.75 1.86 2.73	37.81 1.90 1.29	36.78 1.79 0.77	33.81 1.50 0.98	30.87 1.51 0.90
WESTOVER___LESR 323668	32.47 0.51 -1.66	28.56 0.37 -1.89	26.46 0.33 -2.24	24.33 0.28 -2.52	22.51 0.34 -3.37	21.97 0.43 -4.34	22.39 0.43 -4.15	17.83 0.30 -5.93	25.84 0.66 -3.17	29.52 0.77 -3.04	32.09 0.82 0.31	35.75 1.01 0.01	37.62 0.70 0.00	42.29 0.87 0.00	41.46 0.89 0.00	43.10 0.98 0.40	43.41 1.35 -1.02	44.98 1.47 -1.46	43.69 2.07 1.42	39.85 1.66 1.43	38.09 1.56 0.68	36.86 1.50 0.41	34.11 1.33 0.52	30.98 1.15 0.43
WETHRSFD_WT_PWR 323626	31.16 -0.03 -0.90	27.34 -0.08 -1.12	25.19 -0.02 -1.33	22.94 -0.09 -1.49	20.97 0.17 -2.00	20.33 0.26 -2.88	20.76 0.20 -2.75	15.71 0.18 -3.93	24.61 0.51 -2.10	28.37 0.64 -2.01	31.30 0.25 0.53	35.29 0.55 0.01	36.81 -0.11 0.00	41.05 -0.37 0.00	41.06 0.49 0.00	41.77 -0.08 0.67	41.29 0.70 0.44	42.27 0.76 0.54	41.07 1.94 3.92	38.78 1.59 2.42	37.51 1.45 1.15	36.44 1.36 0.69	33.46 1.03 0.87	30.53 1.06 0.79
WHAVSTOR_138KV_BK127 55557	37.19 2.09 -4.81	34.33 1.87 -6.16	32.87 1.67 -7.31	31.18 1.42 -8.23	31.10 1.28 -11.03	30.96 1.29 -12.47	31.10 1.35 -11.94	29.61 0.96 -17.05	32.88 1.76 -9.12	36.50 2.06 -8.73	34.86 2.65 -0.63	37.65 2.88 -0.02	39.77 2.84 0.00	44.16 2.73 0.00	43.65 3.08 0.00	46.64 3.32 -0.80	52.92 3.61 -8.27	57.15 3.70 -11.39	57.03 3.83 -10.15	45.74 3.21 -2.92	41.64 3.05 -1.38	39.59 3.00 -0.83	37.17 2.83 -1.05	34.05 2.60 -1.19
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	37.19 2.09 -4.81	34.33 1.87 -6.16	32.87 1.67 -7.31	31.18 1.42 -8.23	31.10 1.28 -11.03	30.96 1.29 -12.47	31.10 1.35 -11.94	29.61 0.96 -17.05	32.88 1.76 -9.12	36.50 2.06 -8.73	34.86 2.65 -0.63	37.65 2.88 -0.02	39.77 2.84 0.00	44.16 2.73 0.00	43.65 3.08 0.00	46.64 3.32 -0.80	52.92 3.61 -8.27	57.15 3.70 -11.39	57.03 3.83 -10.15	45.74 3.21 -2.92	41.64 3.05 -1.38	39.59 3.00 -0.83	37.17 2.83 -1.05	34.05 2.60 -1.19
WHITEHAL_115KV_TB1 80871	51.51 3.45 -17.77	38.51 2.87 -9.34	37.32 2.51 -10.93	35.21 2.17 -11.51	36.50 1.99 -15.71	36.72 1.84 -17.69	37.25 1.83 -17.61	39.24 1.18 -26.46	42.94 2.66 -18.28	45.18 3.24 -16.23	38.63 3.88 -3.17	39.31 4.48 -0.08	42.63 4.28 -1.42	46.02 4.60 0.00	47.29 4.99 -1.73	53.06 5.40 -5.14	69.74 5.38 -23.32	80.93 5.64 -33.24	101.72 6.63 -52.04	68.41 5.78 -23.02	55.08 5.73 -12.15	49.02 5.33 -7.93	43.10 4.56 -5.24	39.57 4.02 -5.28
WHITEPLN_13_KV_LOAD 356215	37.95 2.64 -5.02	35.10 2.37 -6.43	33.61 2.10 -7.63	31.95 1.83 -8.59	31.84 1.54 -11.51	31.81 1.62 -13.00	31.96 1.71 -12.44	30.58 1.22 -17.77	33.73 2.22 -9.50	37.43 2.62 -9.10	35.67 3.41 -0.68	38.52 3.75 -0.02	40.80 3.88 0.00	45.44 4.02 0.00	44.83 4.26 0.00	47.98 4.59 -0.86	54.72 5.01 -8.68	59.15 5.13 -11.96	59.14 5.34 -10.75	47.33 4.60 -3.13	42.85 4.17 -1.48	40.62 3.97 -0.89	38.05 3.63 -1.12	34.83 3.30 -1.27
WM_FLOYD_69_KV_BK2 356380	43.13 3.82 -9.03	37.85 3.31 -8.23	36.74 2.99 -9.88	33.23 2.63 -9.07	33.17 2.31 -12.06	33.59 2.24 -14.16	33.06 2.42 -12.82	32.83 1.62 -19.61	39.26 3.17 -14.09	47.20 3.68 -17.81	44.13 4.26 -8.29	47.72 4.62 -8.34	59.91 4.58 -18.41	66.58 4.68 -20.48	84.75 4.95 -39.24	87.53 5.27 -39.73	148.99 5.50 -102.45	207.52 5.64 -159.83	156.30 5.81 -107.44	99.91 5.27 -55.03	80.43 4.95 -38.27	49.80 5.01 -9.03	49.78 4.83 -11.66	48.06 4.42 -13.38
WOODARD___115KV_TB2 355635	30.08 -0.21 0.00	26.66 -0.18 -0.55	24.34 -0.19 -0.65	22.09 -0.17 -0.73	19.68 -0.09 -0.98	19.03 0.05 -1.78	19.55 0.04 -1.70	14.07 0.05 -2.43	23.46 0.15 -1.30	27.13 0.18 -1.24	30.94 0.03 0.66	34.84 0.10 0.02	36.78 -0.15 0.00	41.34 -0.08 0.00	40.49 -0.08 0.00	41.68 0.00 0.84	39.99 0.41 1.46	40.58 0.46 1.94	38.32 0.86 5.58	37.03 0.48 3.06	36.21 0.45 1.45	35.29 0.39 0.87	32.53 0.33 1.10	29.47 0.24 1.03
YORK___WARBASSE 23770	38.06 2.73 -5.04	35.23 2.47 -6.46	33.74 2.20 -7.66	32.02 1.87 -8.62	32.02 1.67 -11.55	31.90 1.67 -13.04	32.08 1.78 -12.48	30.66 1.24 -17.82	33.83 2.29 -9.54	37.48 2.65 -9.12	35.74 3.47 -0.69	38.53 3.75 -0.02	40.78 3.80 -0.06	45.37 3.89 -0.06	50.23 4.18 -5.49	79.18 4.51 -32.16	79.20 4.68 -33.49	84.07 4.79 -37.22	78.05 4.95 -30.05	46.88 4.12 -3.15	42.53 3.83 -1.49	40.54 3.83 -0.95	38.16 3.63 -1.24	34.87 3.33 -1.29